



## Rhode Island Long-Term Contracts for Renewable Energy

Request for Proposal | October 29, 2018

Submitted to:  
**Narragansett Electric Company d/b/a National Grid**

Prepared by:  
**Chariot Solar, LLC**

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## ACRONYMS AND DEFINITIONS

Abbreviation	Definition
AC	Alternating current
Bidder	Chariot Solar, LLC.
BPL	Bureau of Parks and Lands
CCIS	Capacity Capability Interconnection Standard
CDP	Census Designated Place
CMP	Central Maine Power
CNR	Capacity Network Resource
CNRC	Capacity Network Resource Capability
COD	Commercial Operation Date
CPPD	Certificate, Project, and Pricing Data
CSO	Capacity Supply Obligation
CWA	Clean Water Act
EA	Environmental Assessment
EDC	Electric Distribution Companies
EMS	Energy Management Systems
EPC	Engineering Procurement and Construction contractor
ESA	Endangered Species Act
FCAQ	Forward Capacity Auction Qualification
FERC	Federal Energy Regulatory Commission
FPDC	Fleet Performance Diagnostic Center
FPL	Florida Power & Light
FTE	Full Time Equivalent
GIS	Geographic Information System
GSU	Generator Step Up Transformer
HDD	Horizontal Directional Drill
ICCP	Inter-Control Center Communications Protocol
IPAC	Information, Planning, and Conservation System
IPAC	Information, Planning, and Conservation System
ISO-NE	Independent System Operator New England
JEDI	Jobs and Economic Development Impact
kV	Kilovolt
MW	Megawatt
MWh	Megawatt hour

## ACRONYMS AND DEFINITIONS

Abbreviation	Definition
NCIS	ISO Network Capability Interconnection Standard
NCF	Net Capacity Factor
NDDDB	Natural Diversity Database
NECEC	New England Clean Energy Connect
NEECH	NextEra Energy Capital Holding, Inc.
NEE	NextEra Energy, Inc.
NEM	NextEra Energy Marketing, LLC
NEER	NextEra Energy Resources, LLC
NEET	NextEra Energy Transmission, LLC
NEPA	National Environmental Policy Act
NEPM	NextEra Energy Power Marketing, LLC
NERC	North American Electric Reliability Corporation
NextEra	NextEra Energy Inc.
NHPA	National Historic Preservation Act
NPDES	National Pollutant Discharge Elimination System (NPDES)
NREL	National Renewable Energy Laboratory
NRHP	National Register of Historic Properties
NRPA	Natural Resources Protection Act
NWI	National Wetland Inventory
O&M	Operation & Maintenance
OATT	Open Access Transmission Tariff
PPA	Purchase Power Agreement
Project	Chariot Solar
PSCAD	Power System Computer-Aided Design
PSSE	Power System Simulator for Engineering
PTF	Pool Transmission Facility
PV	Photovoltaic
RA	Rural Agriculture District
REC	Renewable Energy Credits
ROW	Right of Ways

## ACRONYMS AND DEFINITIONS

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Abbreviation	Definition
SLODA	Site Location of Development Act
SPCC	Spill Prevention, Containment, and Control Plans
SWPCP	Stormwater Pollution Control Plan
USACE	United States Army Corps of Engineers
USC	United States Code
USD	US Dollar
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
WQC	Water Quality Certification

## **SECTION 1      CERTIFICATION, PROJECT, AND PRICING DATA**

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*The Certification, Project, and Pricing Data ("CPPD") document is a Microsoft Excel workbook that is provided on the website at [www.ricleanenergyrfp.com](http://www.ricleanenergyrfp.com).*

*Bidders are required to provide firm pricing for 270 days from the date of bid submission. The bidder must also sign the certification form in Part II of the CPPD verifying that the prices, terms and conditions of the proposal are valid for at least 270 days. An officer or duly authorized representative of the bidder is required to sign the Proposal Certification Form.*

The Certification, Project, and Pricing Data ("CPPD") documents are attached as PDF (Public) and Excel (Confidential) for the proposed Project. Please see Section 1 Attachment 1 CPPD form.



## SECTION 2 PROPOSAL SUMMARY/CONTACT INFORMATION

The Proposal Summary and Contact Information must be entered into the CPPD Microsoft Excel workbook document that will be provided in SECTION 1.

Contact Info		
Applicant Name:	Chariot Solar, LLC	
	Primary Contact	Secondary Contact
Contact Name:	<b>Ross Groffman</b> Executive Director	<b>Hagen Lee</b> Director, Development
Address:	700 Universe Blvd, FEW/JB Juno Beach, FL 33408	700 Universe Blvd Juno Beach, FL 33408
Telephone:		(561) 694-4012
Email:		Hagen.Lee@nexteraenergy.com

## SECTION 3 EXECUTIVE SUMMARY OF THE PROPOSAL (INCLUDING THE BASE PROPOSAL AND ANY ALTERNATIVE PROPOSALS)

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*The bidder is required to provide an executive summary of the project proposal that includes a complete description of the proposed generation, the delivery point located within ISO-NE, the proposed contract term and pricing schedule, and other factors the bidder deems to be important.*

*The bidder is required to disclose whether it has or plans to bid the project in other Requests for Proposals; if this is the case, the bidder is required, on an on-going basis, to inform National Grid of the status of those bids.*

Chariot Solar, LLC (the "Bidder") is an indirect, wholly-owned subsidiary of NextEra Energy, Inc. ("NextEra") and is proposing a utility-scale [REDACTED] to be delivered to the Independent System Operator New England ("ISO-NE") electric grid. Proposed power purchase prices are provided in the tables below.

- **Chariot Solar** (the "Project") – [REDACTED] The Project has a proposed commercial operation date ("COD") of [REDACTED]

The Bidder is pleased to present this utility-scale PV solar project to National Grid. We understand that National Grid, pursuant to the Long-Term Contracting Standards for Renewable Energy (the "LTCS") and in accordance with the "Rules and Regulations Governing Long-Term Contracting Standards for Renewable Energy," promulgated by the Rhode Island Public Utilities Commission ("PUC"), is seeking qualified clean energy from new renewable energy projects, which can deliver long-term reliable energy at stable prices.

The Project will provide substantial benefits to the ISO New England system. The Bidder has performed substantial transmission, engineering, and environmental due diligence to confirm the Project can provide deliverable products cost-effectively, and in a manner that requires minimal environmental impacts. [REDACTED]

The Project is qualified to meet Governor Gina M. Raimondo's goal of increasing Rhode Island's clean energy portfolio ten-fold. The proposed clean energy resource will generate Class I Renewable Energy Credits ("RECs") and positively contribute to carbon reduction goals. The Bidder's proposal provides National Grid and Rhode Island with clean, reliable, and cost effective energy and additional benefits for the regional New England grid.

The Project will deliver reliable, cost-effective, clean solar power to Rhode Island through the ISO-NE electric grid. Key Project benefits are highlighted below:

- **On-peak production** – Bidder's solar Project will generate power with a high correlation to peak demand hours.
- **Strong point of interconnection** – [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]
- **Well developed** – The Project has been in development [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]
- **Experienced Renewable Developer** – The Bidder is an indirect, wholly-owned subsidiary of NextEra Energy Resources, LLC ("NEER"), which has successfully executed on the development, construction, and operation of approximately 2,000 MW of solar generating facilities throughout North America. More generally, NEER is the world's largest generator of renewable energy from the wind and sun, operating more than 19,000 MW of net generating capacity.
- [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]
- **LMP Benefits** - The proposed Project benefits Rhode Island ratepayers by adding more renewable energy to the market, decreasing the region's carbon footprint, and providing more stable energy pricing over the life of the Project as the Project is forecasted to provide a positive economic benefit based on the Locational Marginal Pricing.
- **In State Benefits** – [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

**Proposed contract term and pricing schedule**

The Bidder is proposing one bid configuration for the Project [REDACTED]  
[REDACTED] Tables 1-3 below for pricing details, which correspond to the CPPD provided for Section 1.

[Redacted]

**Table 2. Clean Energy and RECs & PPA Proposal**

[Redacted]	
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[Redacted]

## THE NEXTERA ENERGY, INC. – FAMILY OF COMPANIES

The Bidder is an indirect wholly-owned subsidiary of both NextEra Energy Capital Holdings, Inc. ("NEECH") and NextEra Energy Resources, LLC ("NEER"). NEECH, in turn, is a direct wholly-owned subsidiary of NextEra Energy, Inc. ("NextEra"). NEECH is a key entity in the NextEra organization because it provides funding for affiliates of NextEra, other than Florida Power & Light Company ("FPL") and its subsidiaries.

NextEra (NEE: NYSE) is a leading clean energy company with consolidated revenues of approximately \$17.2 billion, approximately 46,790 megawatts of generating capacity, and approximately 14,000 employees and projects in 32 U.S. states and four Canadian Provinces. As of July 31, 2018 the Company had a market capitalization of approximately \$79 billion.

Headquartered in Juno Beach, Florida, NextEra's principal subsidiaries are FPL, which serves approximately 5 million customer accounts in Florida and is one of the largest rate-regulated electric utilities in the United States, and NextEra Energy Resources, LLC, ("NEER"), which, through its affiliated entities, is the world's largest generator of renewable energy from the wind and sun.

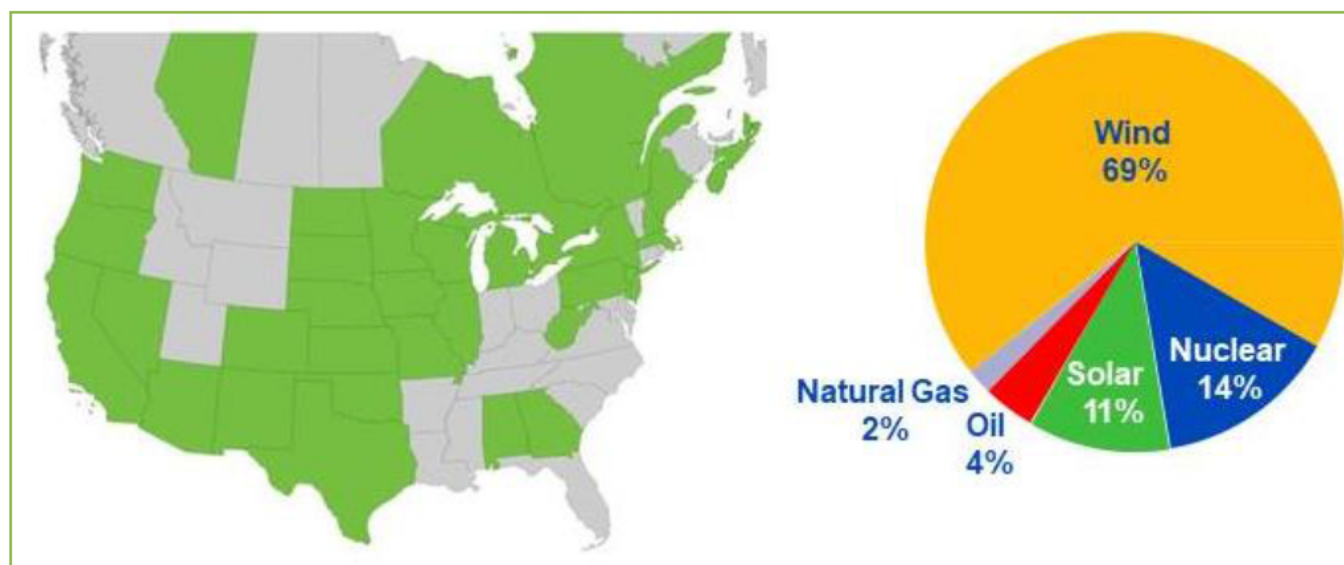
NextEra has been recognized by third parties for efforts in sustainability, corporate responsibility, ethics and compliance, and diversity, and has been ranked in the top 10 worldwide for innovativeness and community responsibility.

NextEra is one of Fortune's 2018 list of "World's Most Admired Companies" and has been ranked number one by Fortune Magazine as "America's Most Admired Electric and Gas Utility" for the eleventh time in twelve years. NextEra's awards and recognitions also include: named to Ethisphere's "World's Most Ethical Companies" list for eleven consecutive years; and FPL was named the winner of the 2018 ReliabilityOne™ National Reliability Excellence Award. For more information about NextEra, visit these websites: [www.NextEraEnergy.com](http://www.NextEraEnergy.com), [www.FPL.com](http://www.FPL.com), [www.NextEraEnergyResources.com](http://www.NextEraEnergyResources.com).

### **NextEra Energy Resources, LLC**

NEER is the competitive energy subsidiary of NextEra. NEER is a nationally recognized clean energy provider with a portfolio of facilities totaling more than 20,000 megawatts of generating capacity in the United States and Canada. Approximately 95 percent of NEER's electricity is derived from clean or renewable sources, including wind and solar.

**Figure 1. NEER Generation Portfolio**



NEER is a world leader in the development, construction, and operation of wind and solar energy plants. NEER has more than twice the amount of wind capacity in operation in North America than its nearest competitor. In fact, NEER has more wind capacity in its portfolio than all but five countries in the world. NEER operates approximately 14,000 MW of wind capacity and 2,035 MW of solar capacity in North America.

NEER has a long-standing presence in New England with extensive development and operational experience in the region. NEER owns and operates the following generation facilities in New England. NEER owns and operates the following generation facilities in New England, including the recent construction of Coolidge Solar, the largest solar project to be permitted and constructed in Vermont. Coolidge is anticipated to begin commercial operation in December 2018.

**Table 4. NEER Generation Facilities in New England**

Project Name	Fuel	Location	Gross MW	Net Ownership MW
Seabrook	Nuclear	Seabrook, NH	1,245	1,100
Wyman 4	Oil	Yarmouth, ME	620	523
Wyman 1-3	Oil	Yarmouth, ME	227	227
Cape	Oil	South Portland, ME	46	46
Bellingham	Natural Gas	Bellingham, MA	300	150
Casco Bay	Energy Storage	Yarmouth, ME	16	16
Coolidge Solar	Solar	Ludlow, VT	20	20
<b>Total</b>			<b>2,474</b>	<b>2,082</b>



Given its experience in renewable development, construction, and operation, NEER and its affiliates are uniquely suited to meet New England's growing renewable energy needs.

The confidential information identified in the confidential version of the Bidder's proposal includes proprietary forecasting, formulas, critical infrastructure, drawings, compilations, modeling, studies, pricing, location-specific commercial information, and business practices that are trade secrets, and, thus, qualify as exempt from public disclosure under the applicable freedom of information statute in Rhode Island.

The confidential information is not generally known and is not readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. If the confidential information were so disclosed, it would give competitors information that would be useful in making their own project decisions, without expending the time and money necessary to gather and develop the information independently, and would allow competitors to profit or otherwise derive benefits at the expense of the Bidder and its customers. The Bidder has also taken measures to maintain the secrecy of this information. The Bidder has treated the information as confidential and controlled its dissemination so as to prevent it from becoming available to the public or to their competitors. Given the nature and protection of the Bidder's confidential information, the application of the Rhode Island statutes requires the protection of the information.

Consistent with the RFP, National Grid may not disclose such confidential information to any third party directly or indirectly without prior written consent. This notwithstanding, subject to a non-disclosure agreement and any other efforts to prevent disclosure, National Grid may provide such confidential information to OER, and the Division and their respective agents and/or consultants (i.e., these state agencies will be independently reviewing the evaluation process) solely for the purpose of this RFP.

In the event that disclosure is required by a governmental body or applicable law, the Bidder shall be promptly notified by National Grid, prior to disclosure, and National Grid shall cooperate (consistent with the disclosing party's legal obligations) with Bidder to limit disclosure and use of said confidential information through the use of non-disclosure agreements or orders seeking protective treatment. This confidentiality obligation shall be on-going.

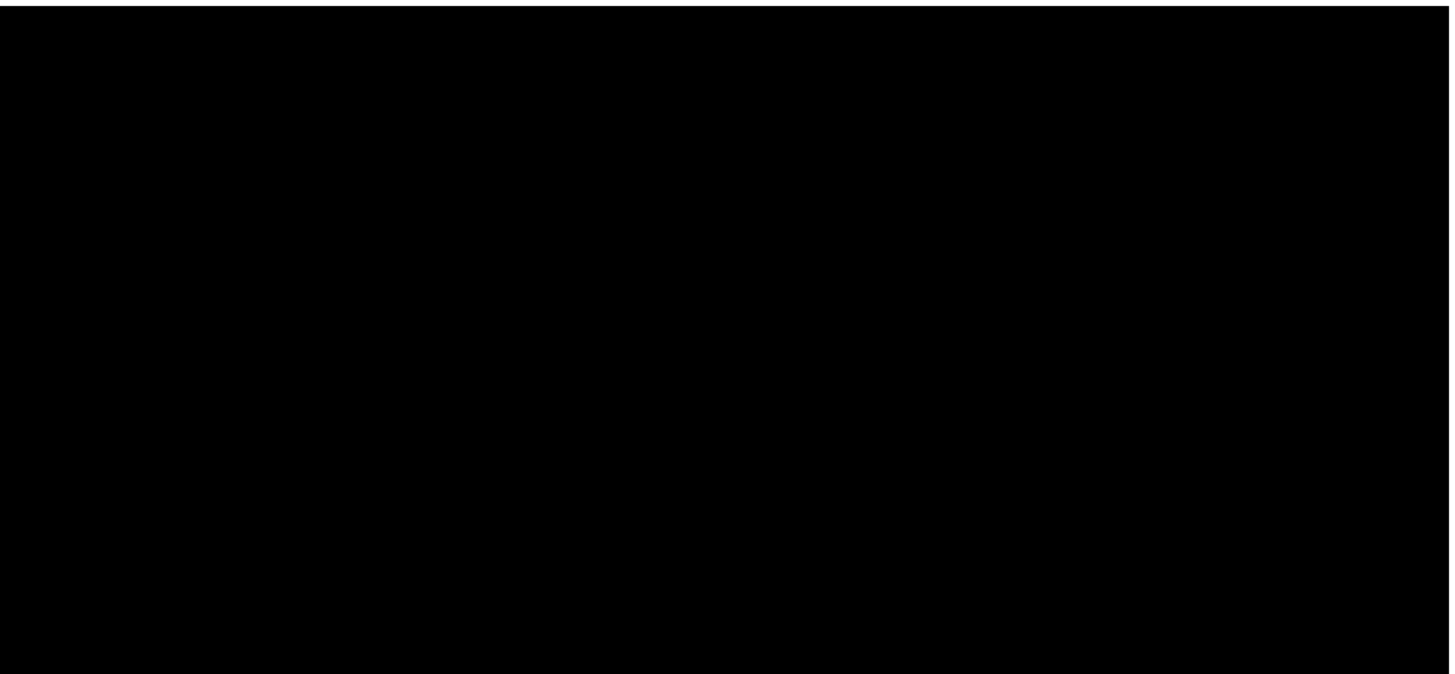
We look forward to reviewing the Project in detail with the Evaluation Team. Thank you.

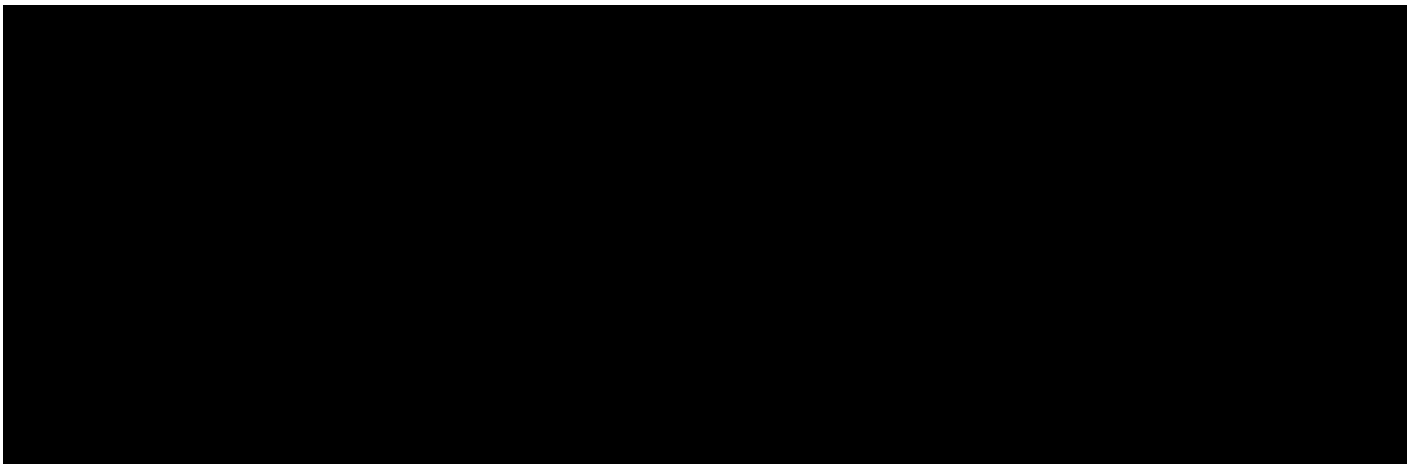
## SECTION 4 PRICING INFORMATION AND SCHEDULES

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*The bidder is required to provide separate prices for energy and RECs, in accordance with pricing options in Section 2.2.4.2.1, and conform to the conditions in Section 2.2.4.2.2. Pricing information and schedules must be entered into the CPPD Microsoft Excel workbook document that will be provided in SECTION 1.*

The Bidder is proposing one bid configuration for the Project [REDACTED] Tables 1-3 below for pricing details, which correspond to the CPPD provided for Section 1.





## SECTION 5 OPERATIONAL PARAMETERS

5.1 Maintenance Outage Requirements – Specify partial and complete planned outage requirements in weeks or days for all generation facilities and transmission facilities. 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).

Please see the detailed Solar PV O&M Plan provided in Section 5.1 Attachment 1.

5.2 *Operating Constraints* – Specify all the expected operating constraints and operational restrictions for the project (i.e., limits on the number of hours a unit may be operated per year or unit of time).

5.3 *Reliability* – Describe how the proposal would provide enhanced electricity reliability to Rhode Island, including its impact on transmission constraints.

The Project is being developed and designed to ensure compliance with all NERC, FERC and ISO-NE reliability standards and requirements and will be maintained and operated according to all applicable reliability standards, requirements, and good utility practice.

[REDACTED]

[REDACTED]

## SECTION 6 ENERGY RESOURCE AND DELIVERY PLAN

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6.1 For Eligible Facilities, the bidder is required to provide an energy resource or fuel supply plan for its proposed project, including supporting documentation. The fuel supply/energy resource profile information should be consistent with the type of technology/resource option proposed and the term proposed. The information requested is organized according to the type of project or energy resource. Bidders should respond to all information requests which are relevant to the bid in a timely manner.

### Wind Energy Projects

Provide a summary of all collected wind data for the proposed site. Identify when the data was collected and by whom.

Not Applicable.

Indicate where the data was collected and its proximity to the proposed site. Include an identification of the location and height for the anemometers that were used to arrive at an assessment of the site generation capability.

Not Applicable.

Provide (a) at least one year of hourly wind resource data, and (b) a wind resource assessment report from a qualified unaffiliated third-party wind resource assessment firm. Include an analysis of the available wind data which addresses the relationship between wind conditions and electrical output. Provide a projection of net hourly energy production or net annual energy production, including projections of average net hourly energy production, based on the wind resource data (a 12 x 24 energy projection) at both P50 and P90 levels. If providing hourly profile data in Part V, of the CPPD, wind projects are required to provide an hourly profile specific to 2012 weather patterns.

Not Applicable.

Provide a site-adjusted power curve. Each curve should list the elevation, temperature and air density used.

Not Applicable.

Identify the assumptions for losses in the calculation of projected annual energy production, including each element in the calculation of losses.

Not Applicable.

If your bid includes a delivery forecast, which is substantially different than NREL data would suggest, please reconcile the differences.



Not Applicable.

### **Landfill Gas**

*Provide a gas production forecast for each landfill. Provide a table that shows the annual, monthly and hourly projection of gas flow and energy export from each landfill.*

Not Applicable.

*Provide supporting data that illustrates the expected generation from each landfill based on the projected gas production.*

Not Applicable.

*Describe any contingencies or constraints that could affect the availability of fuel or the energy resource for the project and any contingency plans for meeting projected generation levels.*

Not Applicable.

*If the landfill gas is provided by pipeline, provide information related to gas pipeline delivery, including gas pipeline interconnection points of the landfills delivering the gas into the pipeline system.*

Not Applicable.

### **Biomass**

*Describe specifically how the biomass project will conform as an eligible renewable energy resource as defined in R.I. Gen. Laws § 39-26.1-2(4), § 39-26-5 and Section 3.16 of the Regulations.*

Not Applicable.

*Provide a resource assessment of available biomass fuel for the proposed project and its proximity to the project site.*

Not Applicable.

*Provide a plan for obtaining the biomass fuel, including a transportation plan.*

Not Applicable.

*Provide any contracts or letters of intent to acquire and transport the biomass fuel.*

Not Applicable.

*Demonstrate that projected energy output for the project over the term of the contract is consistent*

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

*Describe the methodology used to generate the projected generation and describe the in-house or consulting expertise used to arrive at the generation estimates. If providing hourly profile data in Part V, of the CPPD, solar projects are required to provide an hourly profile specific to 2012 weather patterns.*

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

### Hydropower

*Describe the project characteristics in terms of water flow (on a monthly basis) and head, and state the assumptions regarding seasonal variations, and a conversion of such flow into megawatts and megawatt-hours.*

Not Applicable.

*Provide monthly flow duration curves based upon daily stream flow records.*

Not Applicable.

*Identify if the project is run-of-river or has storage capability.*

Not Applicable.

*Specify if the project is new, or if the project is an expansion of an existing facility.*

Not Applicable.

### **Other information as required to describe the energy resource plan**

*Identification of fuel supply (if applicable)*

Not Applicable.

*What is the availability of the fuel supply?*

Not Applicable.

*Does the bidder have any firm commitments from fuel suppliers? If so, please provide a copy of any agreements with confidential information redacted if necessary.*

**Yes:**☐ **No:**☒

Not Applicable.

### **6.2 Energy Generation Delivery Plan**

*Please provide an energy delivery plan and profile for the proposed project, including supporting documentation. The energy delivery profile must provide the expected Energy Generation to be delivered into the ISO-NE market settlement system and permit the Evaluation Team to determine the*

*reasonableness of the projections for purposes of Sections 2.2.2.3 Eligible Products, 2.2.2.4 Allowable Contract Term and 2.2.2.5 Minimum Contract Size of the RFP. Such information should be consistent with the energy resource plan provided above and also considering any and all constraints to physical delivery into ISO-NE.*

*Regardless of the proposed technology, providing 8760 (or 8784) hourly data (over 12x24 averages) provides more granular data which ensures that the bidders units are modeled as accurately as possible, thereby reducing the approximations and assumptions made by the evaluation team.*

Please see Section 6.1 Attachment 1 Solar Energy Assessment Project Resource Report.

### 6.3 REC Delivery Plan

*Please provide documentation demonstrating that the project will deliver GIS Certificates representing the associated RECs. For projects located outside of the ISO-NE control area, describe how the Delivered energy and associated RECs will satisfy NEPOOL-GIS rules for the Delivery of GIS Certificates.*

The Bidder confirms that it will be responsible for all costs associated with and/or arising from interconnecting its Project to the transmission grid.

The Bidder will ensure that the Qualified Zero Carbon Energy is recognized in ISO-NE's settlement system as being injected into the ISO-NE energy market at a specified and agreed upon pricing node; the Company will not assume the responsibility of Lead Market Participant for any project; and GIS certificates representing the environmental attributes associated with the Qualified Zero Carbon Energy will be delivered into the Company's NEPOOL GIS account.

## SECTION 7 FINANCIAL/LEGAL

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*Bidders are required to demonstrate the financial viability of their proposed project. Bidders should provide the following information:*

- 7.1 *Each bidder is required to submit information and documentation that demonstrates that a long term contract resulting from this RFP Process would either permit the bidder to finance its proposal that would otherwise not be financeable, or assist the bidder in obtaining financing of its proposal.*

Typically, long term PPAs are required in-order to obtain any form of financing. Financing is calculated using net cash flows from that project; PPAs help provide the estimate for the revenue assumption to derive net cash flows. Without a PPA, projects are required to obtain long-term hedges (as available) in-order to be financeable. Without stabilizing cash flows either through a long-term PPA or through hedge product, projects are typically not financeable.

- 7.2 *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.*

NextEra Energy Capital Holdings, Inc. ("NEECH"), which is the direct parent company of principal subsidiary NextEra Energy Resources, LLC ("NEER") and a direct wholly owned subsidiary of NextEra Energy Inc. ("NextEra"), owns and provides funding for NEER and NextEra's operating subsidiaries, other than FPL and its subsidiaries.

For additional information on NEE and its subsidiaries, please see NextEra's 2017 Corporate Profile included on Section 7.2 Attachment 1-NextEra 2017 Corporate Profile.

Please see Section 13.1 the organizational chart illustrating the relationships between NextEra, NEECH, NEER, and the Bidder.

- 7.3 *For projects that include new facilities or capital investment, provide a description of the financing plan for the project, including construction and term financing. The financing plan should address the following:*

- 7.3.i *Who will 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*



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

As of December 31, 2017, NEECH had approximately \$7.8 billion of net available liquidity, primarily consisting of bank revolving line of credit facilities and cash equivalents, less letters of credit issued under the credit facilities, and commercial paper outstanding and notes payable.

[REDACTED]

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

[REDACTED]

[REDACTED]



[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

### 7.3.iii Expected sources of debt and equity financing

See above for further details.

#### 7.3.iv Estimated construction costs

\_\_\_\_\_

### 7.3.v The projected capital structure

See Section 7.3.ii for projected capital structure.

7.3.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.

[REDACTED]  
 [REDACTED]  
 [REDACTED]  
 [REDACTED]

*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.*

See Section 7.3.i for the expected financing plan for all costs associated with the Bidder. Internally generated funds will be used to finance the development and permitting costs for the Project.

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

7.4.i *Project name and location*

7.4.ii *Project type and size*

7.4.iii *Date of construction and permanent financing*

7.4.iv *Form of debt and equity financing*

7.4.v *Current status of the project*

Through the diligent efforts of our experienced financing team and established relationships with several domestic and international financial institutions, NEECH, through its project financings, has accumulated billions in limited and non-recourse debt.

[REDACTED]

[REDACTED]

[REDACTED]

NEECH has extensive financing experience and actively uses various methods (tax equity and/ or project finance) to finance its projects at or after COD. In 2016 alone, NextEra placed over 2,400 MW of new wind (~ 1,465) and solar (~ 980 MW) projects online. Many of these projects were financed using either tax equity and/or project finance structures. Not all projects that are financed are disclosed publicly, however, additional detail has been provided for projects that have been financed and disclosed via an SEC Form 8k.

Below are examples of relevant information from NEECH's development and finance experience.<sup>1</sup>

- Desert Sunlight 250 (125 MW) – Riverside County, CA: Traditional Financing
- Desert Sunlight 300 (150 MW) – Riverside County, CA: Traditional Financing
- Blythe Solar 110 (110 MW) – Blythe, CA: Traditional Financing

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<sup>1</sup> Some of these financings have been refinanced and moved to another NextEra subsidiary.

- Blythe Solar 125 (125 MW) – Blythe, CA: Traditional Financing
- White Pine Solar (101.3 MW) – Taylor County, GA: Tax Equity
- White Oak Solar (76.5 MW) – Burke County, GA: Tax Equity
- River Bend Solar (75 MW) – Lauderdale County, AL: Tax Equity/Traditional Financing
- Roswell Solar (70 MW) – Chaves County, NM: Traditional Financing
- Chaves Solar (70 MW) – Chaves County, NM: Traditional Financing
- Live Oak Solar (51 MW) – Candler County, GA: Tax Equity/Traditional Financing
- Marshall Solar (62.3 MW) – Lyon County, MN: Traditional Financing

**Genesis Solar Funding:** On June 13, 2014, Genesis Solar Funding, LLC, an indirect wholly-owned subsidiary of NEER, issued approximately \$280 million principal amount of 5.60% limited-recourse senior secured amortizing notes maturing in September 2038. The note proceeds were used primarily to reimburse affiliates for a portion of the costs associated with the construction of the solar thermal generating facility.

**Silver State Solar Power South, LLC:** On May 14, 2015, Silver State Solar Power South, LLC entered into a \$619 million limited-recourse construction and term loan facility and a \$75 million letter of credit facility, and Silver State South Solar, LLC entered into cash grant bridge loan facilities aggregating \$250 million. The proceeds from borrowings under the construction and term loan facility and the cash grant bridge loan facilities were used to fund a portion of the costs associated with the construction and development of a 250 megawatt utility-scale solar photovoltaic generating facility in Nevada and to reimburse NEER for a portion of its previous capital contributions in connection with the Silver State South Project.

**McCoy Solar Funding, LLC:** On December 19, 2014, McCoy Solar Funding, LLC, entered into a \$425 million limited-recourse variable rate construction and term loan facility and a \$154 million variable rate cash grant bridge loan facility. The proceeds from borrowings under the construction and term loan facility and the cash grant bridge loan facility will be used to fund a portion of the costs associated with the construction and development of a 250 megawatt utility-scale solar photovoltaic generating facility in California and to reimburse NEER for a portion of its previous capital contributions in connection with the McCoy Project.

**Varna Wind, LP:** On June 13, 2014, Varna Wind, LP, an indirect wholly-owned subsidiary of NEER, entered into, and borrowed approximately C\$170 million (approximately \$157 million), under a Canadian limited-recourse senior secured variable rate term loan agreement. Substantially all of the loan proceeds were used to repay, in part, a loan from a Canadian subsidiary of NEER, and construction of a wind generating facility with a generating capability of approximately 60 megawatts located in Ontario, Canada. The loan was secured by liens on the wind generating facility's assets.

**Trillium Windpower Financing:** On December 12, 2013, Trillium Windpower, LP issued approximately C\$315 million principal amount of 5.803% limited-recourse senior secured amortizing notes. Substantially

all of the proceeds from the sale of the notes were used to repay, in part, loans from affiliates related to the construction of wind generating facilities with a generating capability totaling approximately 147 megawatts located in Ontario, Canada. The notes were secured by liens on those wind generating facilities' assets and certain other assets of, and the ownership interest in, Trillium and the entities that owned the facilities, which were wholly-owned subsidiaries of Trillium.

**North Sky River Financing:** An approximately \$254 million limited-recourse senior secured variable rate term loan with a financing closing date of June 27, 2013. Principal and interest on the loan are payable semi-annually and quarterly, respectively, and the loan matures in June 2031. Proceeds of the loan were used to reimburse NEER, in part, for its capital contributions related to its development of the North Sky River project, a 162 MW wind generating facility located in California. The loan is secured by liens on the wind generating facility's assets and certain other assets of, and the ownership interest in, North Sky River.

**Centennial Wind Financing:** In December 2012, [name of entity] entered into a \$140 million limited-recourse senior secured variable rate term loan. Interest and principal on the loan are payable quarterly and the loan matures in December 2019. Proceeds of the loan were used to reimburse NEER, in part, for its capital contributions related to the development and construction of 400MW of wind generating facilities located in Colorado. The loan is secured by a pledge of Centennial Wind Funding's Class A membership interests in Centennial Wind, LLC, an indirect wholly-owned subsidiary of NEER.

**Canyon Wind Financing:** An approximately \$232 million limited-recourse senior secured variable rate term loan with a financing closing date of September 27, 2012. Principal and interest on the loan are payable semi-annually and quarterly, respectively, and the loan matures in December 2030. Proceeds of the loan were used to reimburse NEER, in part, for its capital contributions related to the development and construction of wind generating facilities with a generating capability totaling approximately 219 megawatts located in Arizona and Michigan. The loan is secured by liens on those wind generating facilities' assets and certain other assets of, and the ownership interest in, Canyon Wind and the entities that own the facilities, which are wholly-owned subsidiaries of Canyon Wind.

**White Oak Financing:** On June 13, 2011, a subsidiary of NEER sold Class B membership interests in White Oak Energy Funding, LLC. The transaction was comprised of two fundings totaling \$177 million in proceeds. The White Oak project consists of 150 megawatts of wind energy located in Illinois.

**Penta Wind Financing:** On April 28, 2011, Penta Wind, LLC, a subsidiary of NEER, issued Class B membership interests in exchange for approximately \$118 million up front and a commitment to fund expected capital contributions of \$290 million in the future. Penta Wind consists of 483 megawatts of wind energy projects in five states.

**Baldwin Wind Financing:** On February 8, 2011, Baldwin Wind, LLC, an indirect wholly-owned subsidiary of NEER, issued \$82 million of 6.25% limited-recourse senior secured notes maturing in January 2031. Principal and interest on the notes are payable semi-annually. Substantially all of the proceeds from the sale of the notes were used to reimburse NEER, in part, for its capital contributions related to the

development and construction of a wind generation facility with a generating capability totaling approximately 102 megawatts located in North Dakota. The notes are secured by liens on the wind generating facility's assets and certain other assets of, and the ownership interests in, Baldwin Wind.

**Peace Garden Wind Financing:** An approximately \$78 million variable rate term loan with a financing closing date of May 28, 2010. Principal and interest on the loan are payable quarterly and the loan matures no later than February 28, 2015. Proceeds of the loan is used to reimburse NEER, in part, for its capital contribution related to the development and construction of wind generation facilities with a generating capability totaling 170 megawatts located in North Dakota. The loan is secured by a pledge of Peace Garden Wind Funding's Class A membership interests in Peace Garden Wind, LLC, an indirect wholly-owned subsidiary of NEER.

NEECH is the anticipated provider of initial funding for the proposed project. Our proposal under this financing plan is not contingent on debt or additional third-party financing for either the construction or operation period.

However, external financings are normally issued at a stand-alone project entity level or at a portfolio/holding entity level depending upon the financing needs. The financing structure of the project is normally a mixture of debt and equity with the debt funding provided by banks or private placement investors on a limited or non-recourse basis. As the owner of the proposed project, we reserve the right to obtain additional equity sponsor(s) for the project at its own discretion and if necessary.

NEECH has a very strong track record of accessing the capital markets on a limited or non-recourse financing basis (i.e. project financing). We are confident that a number of financing structures will be available to the project when and if we elect to go in that direction. All options including the lowest cost of capital will be carefully weighed prior to selecting a final approach.

*7.5 For projects that include new facilities or capital investment, provide evidence that the bidder has the financial resources and financial strength to complete and operate the project as planned.*

As of December 31, 2017, NEECH had approximately \$7.8 billion of net available liquidity, primarily consisting of bank revolving line of credit facilities, letter of credit facilities, cash and cash equivalents, less letters of credit issued under the credit facilities. Moreover, as of December 31, 2017, 68 banks participate in Florida Power & Light Company's and NEECH's revolving credit facilities.

Furthermore, NEECH's common shareholders' equity has grown over the years. See below for further details:

- As of December 31, 2017, NEECH's common shareholders' equity was equal to \$10.7 billion (USD)
- As of December 31, 2016, NEECH's common shareholders' equity was equal to \$7.7 billion (USD).
- As of December 31, 2015, NEECH's common shareholders' equity was equal to \$7.0 billion (USD).

7.6 Provide complete copies of the most recent audited financial statement or 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.

NEECH provides select financial information in the Notes to Consolidated Financial Statements of NEE's annual report. All financial information, including annual reports and SEC filings, can be accessed on NEE's investor relations website at: <http://www.investor.nexteraenergy.com>. Please see following attachments for Annual Reports and the most recent 10-Q:

- Section 7.6 Attachment 1–NextEra Annual Reports 2015-2017
- Section 7.6 Attachment 2–NextEra 2Q18 Financial Results

NEECH's credit ratings are shown below and are rated as Stable by both Standard & Poor's and Moody's.

**Table 9. NEECH Credit Ratings as of December 31, 2017**

NEECH Credit Ratings		
Description	S&P	Moody's
Corporate	A-	Baa1
Debentures	BBB+	Baa1
Junior Subordinated Debentures	BBB	Baa2
Commercial Paper	A-2	P-1

7.7 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.

Please see Section 7.6 Attachment 1 NextEra Annual Reports for a list of officers, and board members including their tenure.

7.8 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.

As of December 31, 2017, NEECH had approximately \$7.8 billion of net available liquidity, primarily consisting of bank revolving line of credit facilities, letter of credit facilities, cash and cash equivalents, less letters of credit issued under the credit facilities. Moreover, as of December 31, 2017, 68 banks participate in Florida Power & Light Company's and NEECH's revolving credit facilities. Please see the following attachments of NEECH Letter of Credit Support:

- Section 7.8 Attachment 1 Chariot Solar NEECH Letter of Credit Support

7.9 *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.*

Not Applicable.

7.10 *Describe the role of the Federal Production Tax Credit or Investment Tax Credit (or other incentives) on the financing of the project.*

[REDACTED]

[REDACTED]

7.11 *Bidders must disclose any pending (currently or in the past three years) litigation or disputes 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.*

All material litigation involving NextEra and its subsidiaries is disclosed in the public filings of NextEra (10-K and Q's) (the "Disclosed Matters"). Link: [NextEra Investor Relation's website](#).

None of the Disclosed Matters have or will have a material impact on the Bidder's ability to deliver the necessary services required by this Bid.

7.12 *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, transmission lead lines to move power to the grid, transmission proposals, and mandatory and voluntary transmission system upgrades?*

[REDACTED]



7.13 For projects that include new facilities or capital investment, 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.

[REDACTED]

[REDACTED]

[REDACTED]

7.14 State whether the bidder or its affiliates have executed agreements with respect to energy, RECs and/or capacity for the 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.

No agreements have been executed with respect to the Project's energy, RECs, and capacity.

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

[REDACTED]

[REDACTED]



7.16 Has bidder, or any affiliate of bidder, in the last five years, (a) consented to the appointment of, or was 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) was 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?

For the current calendar year and the five prior calendar years, the Bidder is not aware of any bankruptcy, insolvency, company creditor arrangement, or other insolvency proceeding and any material litigation or other material adverse proceeding, that may affect its ability to perform its obligations in respect of the Project; however, please see 8Ks and 10Qs link: [NextEra Investor Relations website](#), including information on events under the project-level financing agreements for the Spain solar project.

7.17 Briefly describe any known conflicts of interest between bidder or an affiliate of bidder and The Narragansett Electric Company, or any affiliates of the foregoing.

[REDACTED]

7.18 Describe any litigation, disputes, claims, or complaints involving the bidder or an affiliate of bidder, against The Narragansett Electric Company or any affiliate of The Narragansett Electric Company.

The are no litigation, disputes, claims or complaints involving the Bidder or an affiliate of the Bidder, against The Narragansett Electric Company or any of its affiliates.

[REDACTED]

7.19 *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 renewable energy certificates or products.*

All material litigation involving NextEra and its subsidiaries is disclosed in the public filings of NextEra (10-K and Qs) (the "Disclosed Matters"); link: [NextEra Investor Relations website](#)

None of the Disclosed Matters have or will have a material impact on the Bidder or its affiliates' ability to deliver the necessary services required within this proposal.

7.20 *Confirm that bidder, and the directors, employees and agents of bidder and any affiliate of bidder are not currently under investigation by any governmental agency and have not 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).*

Neither Bidder, nor its directors, employees and agents of Bidder and any affiliate of Bidder are currently under investigation by any governmental agency nor have they been in the last four years 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, nor have they been the subject of any debarment action.

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

The Bidder has all approvals needed to execute a binding sales agreement. The Bidder is not required to seek regulatory approval in order to execute a binding sales agreement.

7.22 *Describe and document any and all direct and indirect affiliations and affiliate relationships, financial or otherwise in the past three years between the bidder and The Narragansett Electric Company and its affiliates, including all relationships in which The Narragansett Electric Company has a financial or voting interest (direct or indirect) in the bidder or the bidder's proposed project. These relationships include:*

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

- *Credit, debenture, and financing arrangements, whether a convertible equity feature is present or not;*
- *Wholly owned subsidiaries; and*
- *Commercial (including real property) relationships with The Narragansett Electric Company.*


# SECTION 8     SITING, INTERCONNECTION, AND DELIVERABILITY

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*This section of the proposal addresses project location, siting, real property rights, and interconnection issues. Bidders should ensure that the threshold criteria outlined in Section 2.2.3 of the RFP are verified in their responses.*

8.1     *Provide a site plan including a map of the site that clearly identifies the location of the Eligible Facility site, the assumed right-of-way width, the total acreage for Eligible Facilities, the anticipated interconnection point, and the relationship of the site to other local infrastructure, including transmission facilities, roadways, and water sources. In addition to providing the required map, provide a site layout plan which illustrates the location of all major equipment and facilities on the site.*

**Site plan included: Yes ☒    No ☐    If not, please explain:**

A site plan identifying the location of the site, assumed right-of-way width, the total acreage for the Eligible Facilities, the anticipated interconnection point, and other existing local infrastructure is provided in Section 8.1 Attachment 1 Site Plan and Section 8.1 Attachment 2 Site Layout.

8.2     *Identify any real property rights (e.g., fee-owned parcels, rights-of-way, development rights or easements or leases) that provide the right to use the Eligible Facility site, including, for Eligible Facilities, and any rights of way needed for interconnection.*

8.2.i    *Does the project have a right to use the Eligible Facility site for the entire proposed term of the PPA or tariff (e.g., by virtue of ownership or land development rights obtained from the owner)?*

**Yes ☒    No ☐    If not, please explain:**

8.2.i    *If so, please detail the bidder's rights to control the Eligible Facility site control.*

8.2.ii    *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.*

The Bidder has completed acquisition of all real property rights. All options will be exercised prior to the start of construction. Please see overall Project timeline provided in in Section 12.1 Attachment 1.

8.2.iii *Identify any joint use of existing or proposed real property rights*

None.

8.3 *Provide evidence that the Eligible Facility site is properly zoned or permitted. If the Eligible Facility site is 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.*

### **Zoning & Local Permitting**

[REDACTED]

[REDACTED]

[REDACTED]

### **Permitting Plan and Timeline**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

8.4 Provide a description of the area surrounding the Eligible Facility site, including a description of the local zoning, flood plain information, existing land use and setting (woodlands, grasslands, agriculture, other).

[REDACTED]

[REDACTED].

[REDACTED]

8.5 For Eligible Facilities, describe and provide a map of the proposed interconnection that includes the path from the generation site to the ISO New England Inc. ("ISO-NE") Pool Transmission Facilities ("PTF"). Describe how the bidder plans to gain interconnection path site control.

Interconnection map included: Yes: ☒ No: ☐ if not, please explain:

[REDACTED]

Please see Section 8.5 Attachment 1 Chariot Solar Interconnection map document.

**Interconnection site control plan**

[REDACTED]

8.6 Please describe the status of any planned interconnection to the grid. Has the bidder made a valid interconnection request to ISO-NE, the applicable New England Transmission Owner, or any neighboring control areas, to interconnect at the Capacity Capability Interconnection Standard? Have any studies been completed by ISO-NE or the applicable Transmission or Distribution Owner? If multiple interconnection requests 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. Describe how such studies and information support the costs assumed in preparing your bid and the associated timeline proposed.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

8.7 Describe the Project's electrical system performance and its impact to the reliability of the New England Transmission system. Provide the status of any interconnection studies already underway with ISO-NE and/or the transmission owner. Provide a copy of any studies completed to date. 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.

### Performance and its impact

The Chariot Solar Project is being developed and designed to ensure compliance with all NERC, FERC and ISO-NE reliability standards and requirements and will be maintained and operated according to all applicable reliability standards, requirements, and good utility practice.

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

## Attachments

**Copy of completed studies attached:** ☒ **If none, please explain:**

Siemens's Overlapping Impact Analysis and Power Flow Analysis is attached in Section 8.6 Attachments 2 and 3, respectively.

**Copy of Interconnection Agreement attached:** ☐ **If none, please explain:**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

8.8 *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 studies must assume the project will interconnect using the Capacity Capability Interconnection Standard, must use the current ISO-NE interconnection process (including network impact scenarios from multiple projects interconnecting), and must also detail any assumptions with respect to projects ahead of the proposed project in the ISO-NE interconnection queue and any assumptions as to changes to the transmission system that differ*

from the current ISO-NE Regional System Plan. Please include a scenario analysis that shows how changes in the project interconnection queue could impact interconnection costs.

[REDACTED]

[REDACTED]

[REDACTED]

- 8.9 To the extent that you provide an alternative interconnection scenario based on ISO-proposed interconnection process changes, you must also include studies using the proposed ISO-NE-proposed process. Any such studies must be accompanied with clear documentation of study technical and cost assumptions, reasoning, and justification of such assumptions.

[REDACTED]

- 8.10 Provide the electrical models of all energy resources supporting the proposed project in accordance with the filing requirements of the ISO-NE Tariff Schedule 22 and 23.

**Electrical models attached:** ☒ If none, please explain:

[REDACTED]

- 8.11 Provide a copy of an electrical one-line diagram showing the interconnection facilities and the relevant facilities of the transmission and/or distribution provider.

**Electrical one-line diagram attached:** ☒ If none, please explain:

Chariot Solar electrical one-line diagram is provided in Section 8.11 Attachment 1.

8.12 Incremental data requirements for Projects that include Transmission facilities;

IDV file(s) in PSSE v32 format modeling only the new/modified Transmission components of the project: ☒ If none, please explain:

Chariot Solar IDEV/RAW file is attached in Section 8.10 Attachment 1.

If the bidder does not use PSSE, provide in text format necessary modeling data as follows:

PSSE format provided.

- Line Data
  - Voltage: **Not applicable** Thermal Ratings: **Not applicable**
  - Impedances (r, X and B): **Not applicable**
  - Line Length: From: **Not applicable** To: **Not applicable**
  - (bus numbers and names): **Not applicable**
- Transformer data (including Phase shifting transformers if applicable)
  - Terminal Voltages: **Not applicable** Thermal Ratings: **Not applicable**
  - Impedance: **Not applicable**
  - From: **Not applicable** To: **Not applicable**
  - (bus numbers and names): **Not applicable**
- Reactive compensation models as necessary

**Not applicable**

- Other changes to the model that would occur due to a Project such as terminal changes for lines/transformer/generator leads/loads etc.

**Not applicable**

8.13 Please detail with supporting information and studies (as available) that the energy contemplated in your proposal is able to be delivered to The Narragansett Electric Company without material constraint or curtailment.

[Redacted]

[Redacted]

[REDACTED]

8.14 Please provide sufficient information and documentation to demonstrate that the proposed point of delivery into ISO-NE, along with their proposed interconnection and transmission upgrades including any transmission upgrades beyond the point of interconnection, is sufficient to ensure full dispatch of the proposal's Energy Generation profile.

[REDACTED]

**SECTION 9 ENVIRONMENTAL ASSESSMENT, PERMIT ACQUISITION PLAN, EMISSIONS, & ELIGIBLE RENEWABLE ENERGY RESOURCE QUALIFICATION**

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*This section addresses environmental and other regulatory issues associated with project siting, development and operations for both generation and transmission interconnection, as applicable.*

- 9.1 *Provide a list of all the permits, licenses, and environmental assessments and/or environmental impact statements required. If a bidder has secured any permit or has applied for a permit, please identify in the response.*
- 9.1.i *Provide a list of all Federal, state and local permits, licenses, and environmental assessments and/or environmental impact statements required to construct and operate the project.*

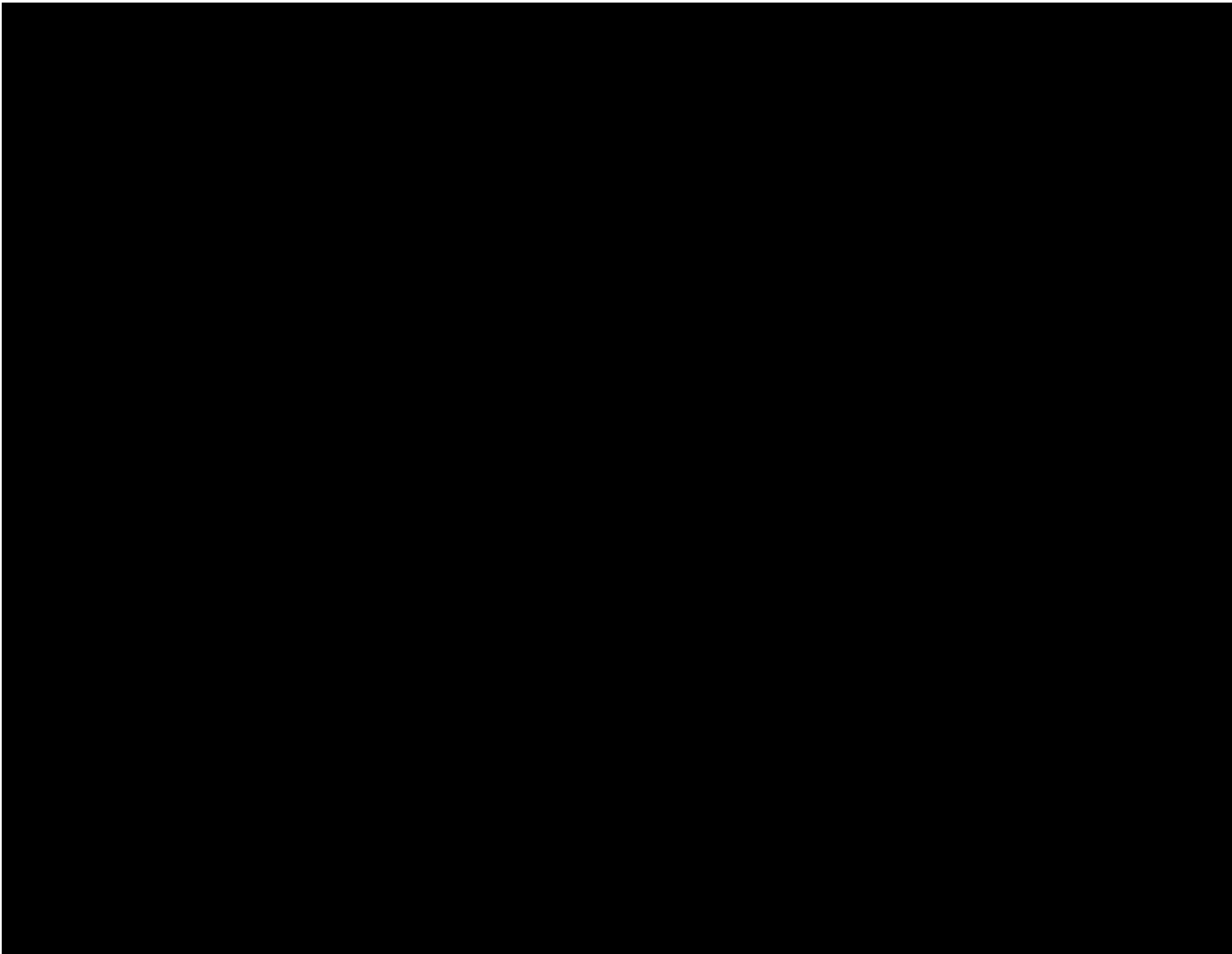
The Project is anticipated to require permits or approvals from federal and state permitting authorities. Table 11 provides a list of the federal and state licenses, and reviews currently anticipated or those that may be required to construct and operate the Project.

The state permitting process will be led by the SEC, and the Bidder will acquire a Certificate of Site and Facility from the SEC. The SEC permitting process includes participation from any state agencies that would be required to issue a permit or other authorization to construct the Project. All applicable state agency applications are incorporated into the SEC application; thus, the SEC review ensures projects meet state regulations.

[Redacted]

[Redacted]

[Redacted]



9.1.ii *Identify the governmental agencies that will issue or approve the required permits, licenses, and environmental assessments and/or environmental impact statements.*

See table above.

9.2 *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 on the project schedule in Section 12.*

The Project schedule is provided in Section 12 and includes a detailed timeline for permitting and construction activities.

The Project has been designed based on thoughtful analysis of natural and cultural resource survey data, review of publically available data by experienced land managers, and site visits by experienced renewable energy project development managers and environmental specialists. The Bidder will conduct additional field surveys in 2019 to further understand any potential constraints and to inform permit applications.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

No critical permitting challenges that would impede the Project schedule have been identified at this time. As further described in Section 3, the Bidder is a wholly-owned subsidiary of NextEra Energy, the nation's leader in producing electricity from clean and renewable fuels and also the world leader in producing electricity from the wind and sun. As such, the Chariot Solar Project team will use a vast collective of experiences from other solar projects proposed to guide development efforts to date. Additionally, the team includes professionals from the environmental, legal, and engineering fields who

have permitted and constructed some the state's largest and most complex energy projects to date, including renewable and traditional fuel generation and transmission projects. The team will coordinate with the regulatory decision making and commenting agencies and stakeholders to ensure predictability and cooperation throughout the permitting process.

9.3 *Provide a preliminary environmental assessment of the site and project, including both construction and operation, as applicable. In addition, the bidder should identify environmental impacts associated with the proposed project, any potential impediments to development, and its plan to mitigate such impacts, or impediments. The analysis should address each of the major environmental areas presented below, as applicable to the proposed project:*

9.3.i *Impacts during site development*

9.3.ii *Transportation infrastructure*

9.3.iii *Air quality impacts*

9.3.iv *Access to water resources/water quality impacts*

9.3.v *Ecological and natural resources impacts*

9.3.vi *Land use impacts*

9.3.vii *Cultural resources*

9.3.viii *Previous site use (e.g., greenfield, brownfield, industrial, etc.)*

9.3.ix *Noise level impacts*

9.3.x *Aesthetic/visual impacts*

9.3.xi *Transmission infrastructure impacts*

9.3.xii *Fuel supply access, where applicable*

The Project is located in the [REDACTED] A Project overview figure is provided in Section 9.3 Attachment 1. Additional mapping provided in Section 8 and 9 attachments depicts the Project Study Area/Land Control, Development Footprint and interconnection routes for the Project. The Study Area indicates the lands under control that are being analyzed for physical and natural resources and where field studies have/will be performed as part of the Project planning and due diligence process. The Development Footprint defines the limits of work for the proposed siting of developable features, such as, but not limited to, solar panels, roads, and fencing. The Development Footprint is a conceptual layout based on current technology and best available information.

### **Impacts during site development**



Impacts are not anticipated during the initial stages of site development. Remaining field surveys required are non-intrusive resulting in no impacts. Impacts associated with construction of the Project will be avoided and minimized to the greatest extent practicable.

### **Transportation infrastructure**

There will be no Project impacts to transportation infrastructure. The Project will utilize existing infrastructure for component delivery and construction access. Within the Project area, the final access road layout will be determined as the design advances [REDACTED]

Additional existing secondary roads and logging paths will be utilized to the greatest extent possible to reduce the need to create new transportation infrastructure.

### **Air quality impacts**

Air quality will not be degraded by construction and operation of the Project. There will be no operational air emissions from the solar site, aside from temporary construction equipment emissions. Generally, regional air quality should improve with the generation of clean renewable energy and the expected resulting displacement of existing regional fossil fuel generation.

### **Access to water resources/water quality impacts**

There are no water resource access concerns associated with the Project. The Project has been designed to avoid and minimize impacts to wetlands and waterbodies (Section 9.3 Attachment 2 Wetland and Waterbody Map). Site specific erosion and sedimentation as well as spill prevention best management practices will be employed throughout construction and operation to avoid impacts to water resources. Additionally, environmental compliance training for construction personnel will further reduce the potential for impacts to any natural resources that may be identified during field surveys.

### **Ecological and natural resources impacts**

In coordination with the applicable federal and state regulations, ecological and natural resource survey protocols were developed and several field surveys were conducted in 2016 and 2017, including:

- Wetland and stream delineations;
- Vernal pool surveys;
- Bat surveys and habitat assessment; and,
- Rare, threatened, and endangered plant and natural community surveys.

Data collected from these surveys have been used to determine appropriate impact avoidance and minimization strategies. Based on this information, the Chariot Solar Project has been designed to avoid and minimize impacts to protected ecological (Section 9.3 Attachment 3 Ecological Areas Map) and other natural resources to the extent practicable.

If based on additional [REDACTED], it is determined that additional rare, threatened, or endangered species surveys are needed, survey protocols will be established and implemented in coordination with regulatory and advisory agencies prior to implementing surveys.

The Project team has extensive experience with natural resource protection and reporting programs. Construction and operation compliance monitoring programs are planned and executed. To further avoid and minimize impacts to natural resources during construction, a professional environmental inspector will be present to ensure compliance with best management practices, approved permit conditions, and erosion and sediment control plans. Any deviations from these guidelines would be discussed in advance [REDACTED]

[REDACTED] and maintain consistent communication on restrictions or protections with contractors.

### **Land use impacts**

The Bidder will work with Project landowners and abutters to minimize land use impacts resulting from the Project. [REDACTED]

[REDACTED] Primary land uses include forestry, agriculture, and recreation primarily consisting of ATV use. After the Project is decommissioned, existing land uses may resume

### **Cultural resources**

A Phase IA archaeological survey has been conducted for the Chariot [REDACTED] and the survey will be completed in 2019. Based on survey results, as well as ongoing consultation with the NHDHR, the Project will be designed to avoid and minimize impacts to any identified cultural resources.

### **Previous site use (e.g., greenfield, brownfield, industrial, etc.)**

The [REDACTED] At one time, it is likely the area was cleared entirely and used for pasture and other agricultural uses. The Bidder will continue to study the properties to ascertain information on historic land uses and their potential effects on the Project.

### **Noise level impacts**

[REDACTED] is anticipated during the construction phase of the Project, but no noise impacts are expected during the Project operation. Minor increases in noise levels may result during construction, but construction activities will be limited to daylight hours minimizing impacts to the public. The solar inverters are a low-level sound source and solar projects do not make noise at night. Additionally, the Project will be designed to locate any noise emitting components away from abutting properties lines.

## **Aesthetic/visual impacts**

The Project has been designed to minimize visual impacts by using natural vegetation and topographic screening. The Project development footprint areas are located away and from exterior abutting property lines, which will allow of natural screening to minimize potential visual impacts. A visual impact assessment will be completed to ascertain potential visual or aesthetic impacts of the Project. The assessment will include a viewshed analysis to determine the extent of the Project that is visible from designated scenic resources in the vicinity of the Project. In coordination with state and local stakeholders, a visual impact mitigation plan, if required or deemed necessary, will be developed.

## **Transmission infrastructure impacts**

Through consultation with ISO-NE and the interconnecting utility, a large generator interconnection agreement will be acquired that will ensure no transmission infrastructure impacts.

## **Fuel supply access, where applicable**

No fuel supply will be required during operations of the Project.

9.4 *Provide documentation identifying the level of public support for the project including letters from public officials, newspaper articles, etc. Include information on specific 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, and a plan for community outreach activities, and discuss the status of that plan.*

The Bidder has met with several [REDACTED] including state representatives and senators, Executive Councilors, municipal officials, regional planning commission directors and planners, state energy officials, and environmental organizations.

Public outreach for the Project has been on-going since the early stages of development. In January 2017, the Project received a unanimous letter of support from [REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED] The PILOT agreement is provided in Section 8.3 Attachment 3.

Additionally, the Bidder has been actively engaged with the local community and abutters to the Project. The bidder has invested significant time and resources to contact the primary abutters. Through an in-person meeting, phone call, or mailing, the Bidder has reached out to each primary residence abutting the Project to introduce the Project and address any concerns the abutters may have. The Bidder has received several signed letters from neighbors stating that they do not oppose the Project and is not aware of any opposition to date. The Bidder is committed to continuing public outreach and community engagement throughout the permitting process.

9.5 *Provide documentation demonstrating that the project will be qualified as an eligible renewable energy resource conforming to R.I.G.L. § 39-26-5.*

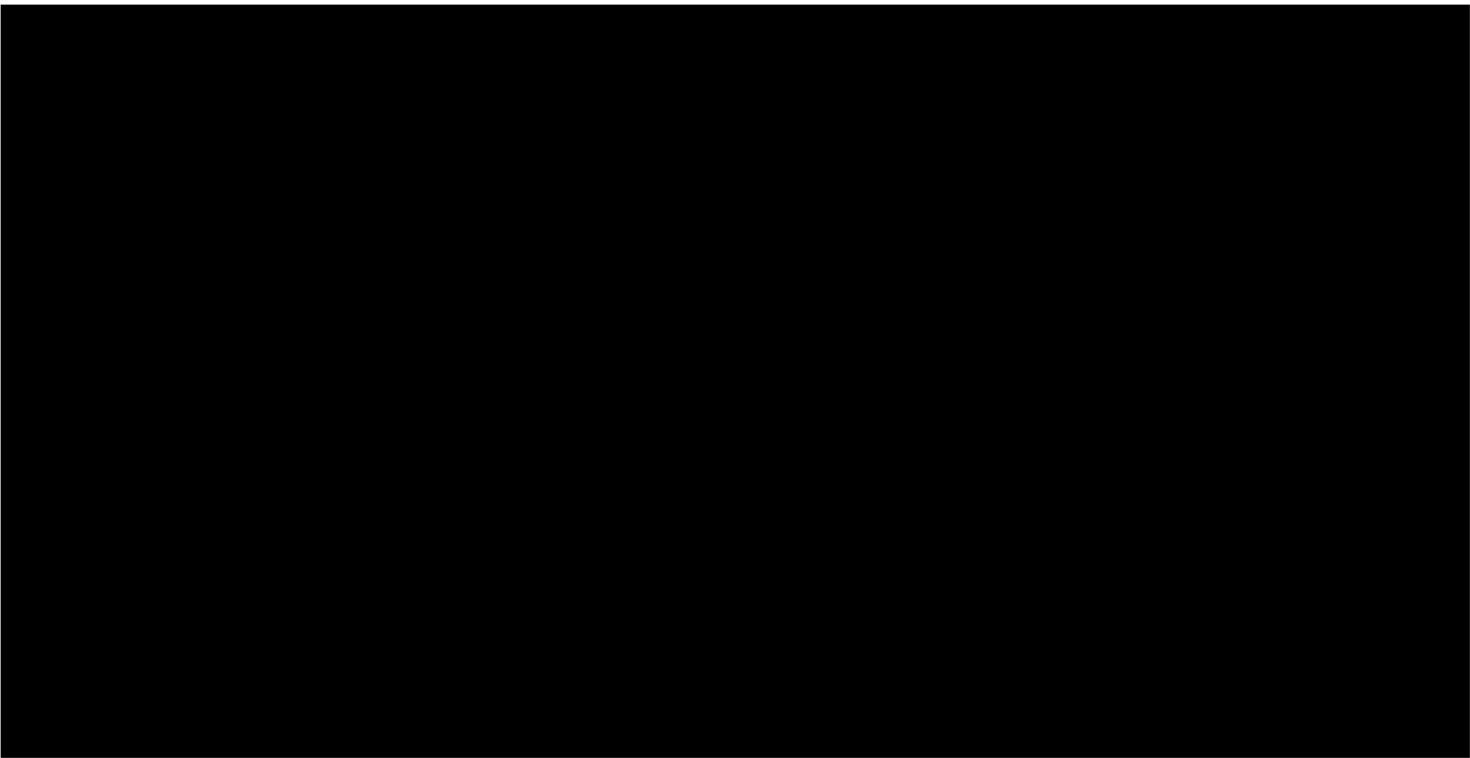
The Project will generate renewable energy from direct solar irradiation, conforming to R.I.G.L. § 39-26-5, Renewable Energy Standards, and qualifying as an eligible renewable energy resource.

9.6 *All bidders must include sufficient information and documentation that demonstrates that the bidder will utilize an appropriate tracking system to ensure a unit-specific accounting of the delivery of unit-specific and unit contingent of energy and RECs. The RECs and environmental attributes associated with energy generation must be delivered into The Narragansett Electric Company's NEPOOL GIS accounts.*

The Bidder will utilize the NEPOOL Generation Information System (GIS) to ensure a unit-specific accounting of the delivery of unit-specific and unit contingent energy and RECs. The NEPOOL GIS will be used to deliver the Project's RECs and environmental attributes associated with energy generation into The Narragansett Electric Company's NEPOOL GIS accounts.

The Project will be registered in the ISO-NE market system under Lead Market Participant NextEra Energy Marketing, LLC. The Project will be registered in the NEPOOL GIS under NextEra Energy Marketing.

ISO-NE settlement data (metered hourly delivered energy) will be uploaded to the resource registered in GIS on a monthly basis on or around the 15th of the month subsequent to the month the generation occurred.



9.7 Identify any existing, preliminary, or pending claims or litigation, or matters before any federal agency or any state legislature or regulatory agency that might affect the feasibility of the project or the ability to obtain or retain the required permits for the project.

There are no existing, preliminary, or pending claims or litigation, or matters before any federal agency or any state legislature or regulatory agency that might affect the feasibility of the project or the ability to obtain or retain the required permits for the Project.

9.8 Provide emissions estimates based on available data from the unit manufacturer.

**Table 12. Project Anticipated Emissions, expressed in pounds/megawatt-hour (lbs/MWh)**

Source of Information	Date of Test (if applicable)	Greenhouse Gases (all except methane) Expressed as Carbon Dioxide equivalent (CO2e)	Nitrogen Oxides (NOx)	Sulfur Oxides (SOx)	Carbon Monoxide (CO)	Particulate Matter (PM 2.5)	Methane (CH4)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Not applicable; the proposed Project will not generate emissions.

9.9 *Describe any investments that will be included with your facility to improve its emissions profile.*

Not applicable; the proposed Project will not generate emissions.

## SECTION 10 ENGINEERING AND TECHNOLOGY; COMMERCIAL ACCESS TO EQUIPMENT

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*This section includes questions pertinent to the engineering design and project technology. This section must be completed for a project that includes new facilities or capital investments for both generation and transmission components if applicable. 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.*

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

10.1.i *Type of generation and transmission technology, if applicable*

The Project will utilize solar photovoltaic (PV) generation technology.

10.1.ii *Major equipment to be used*

The Project will be constructed utilizing the following major equipment:

- Solar modules/panels – Solar PV modules are used to convert energy from the sun into DC energy. This equipment is based on proven materials and designs with many years of testing and field operations. Solar PV modules have been in commercial operation for decades and are not considered an unproven or high-risk technology.
- Inverters – The Projects will utilize inverter systems to convert the DC energy from the solar PV panels to AC energy. These systems are deployed globally and are based on a multi-year track record of industry leading performance.
- Balance of system – The balance of system will include the posts, racking systems, AC and DC collection cables, grid interconnection equipment, medium voltage pad-mount transformers, and a generator step-up transformer. This equipment is not specific to the panels or inverters of the Project and has been deployed in multiple systems and across technologies. It is believed that all of these components are very low risk and have proven track records by multiple vendors over many years.

10.1.iii *Manufacturer of the equipment*

[REDACTED]

10.1.iv *Status of acquisition of the equipment*

[REDACTED]

10.1.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

[REDACTED]

10.1.vi Equipment vendors selected/considered

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

10.1.vii History of equipment operations

Please see Section 13.5 Attachment 1 and Attachment 2 for a complete list of NEER's experience in installing and operating this equipment at over 2,000 MW of operational utility-scale solar PV projects.

10.1.viii If the equipment manufacturer has not yet been selected, identify in the equipment procurement strategy the factors under consideration for selecting the preferred equipment

[REDACTED]

NEER is intimately familiar with all of the equipment necessary to develop, construct, operate, and maintain a utility-scale solar facility. NextEra [REDACTED]

[REDACTED] with the world's leading energy suppliers, including leading solar energy equipment manufacturers.



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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

10.3 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.

Please see Section 13.5 Attachment 1 and Attachment 2 for a list of NEER solar projects in commercial operation that utilize equipment that is the same or similar to that proposed for this Project.

10.4 For less mature technologies, provide evidence (including identifying specific applications) that the technology to be employed for energy production is ready for transfer to the design and construction phases. Also, address how the status of the technology is being considered in the financial plan for the project.

Not applicable. Solar PV is a mature technology.

10.5 Please indicate if the bidder has a full and complete list of equipment needed for all physical aspects of the bid, including generation facilities, transmission lead lines, and mandatory and voluntary transmission system upgrades. If not, identify the areas of uncertainty and when the full and complete list of equipment will be identified.

[REDACTED]

10.6 Please indicate if the bidder has secured its equipment for all physical aspects of the bid, including generation facilities, transmission lead lines, and mandatory and voluntary transmission system upgrades. If not, identify the long-lead equipment and describe the timing for securing this equipment.

[REDACTED]

## SECTION 11 OPERATION AND MAINTENANCE

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*Projects that can demonstrate that the operation and maintenance ("O&M") plan, level of funding, and mechanism for funding will ensure reliable operations during the term of the contract or the tariff are preferred.*

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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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

[REDACTED]

- 11.3 *All Project O&M funding requirements will be fully supported through project revenues. Describe the terms (or expected terms) of the warranties and/or guarantees on major equipment that the bidder is utilizing or proposing to utilize.*

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

11.4 *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.*

[REDACTED]

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

NEER and its affiliates have a [REDACTED] that operate NEER's renewable generation and transmission fleet. Our centralized maintenance and technical services team include [REDACTED] that execute all standardized services and provide subject matter expert engineering and technical support services to NEER's generating facilities.

# SECTION 12 PROJECT SCHEDULE

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*A bidder must demonstrate that its proposal can be developed, 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 the project and for the financing of the project consistent with the proposed project milestone dates.*

*For Eligible Generation Facilities, 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.*

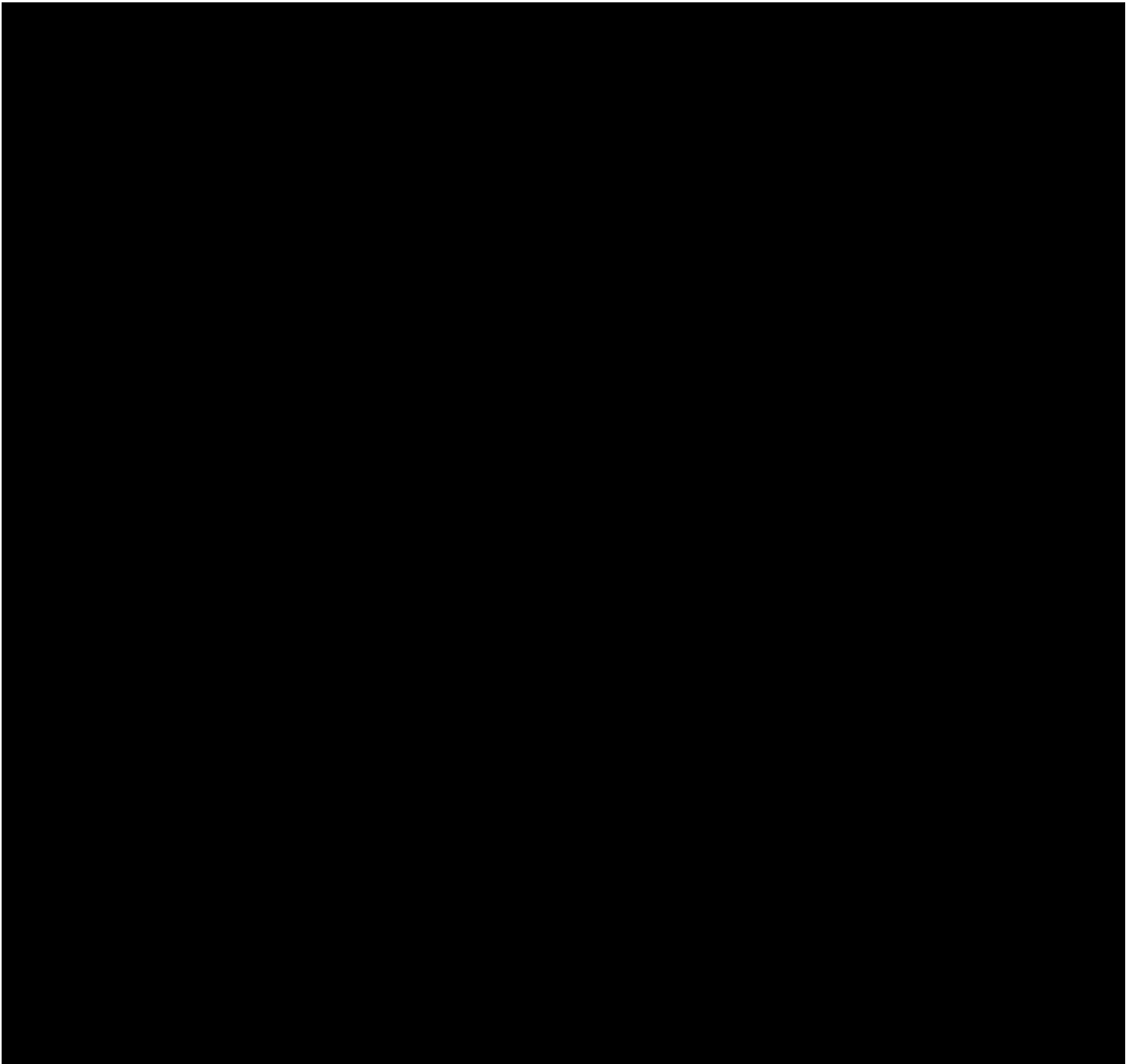
12.1 *Identify the elements on the critical path. The schedule should include, at a minimum, preliminary engineering, financing, acquisition of real property rights, Federal, state and/or local permits, licenses, environmental assessments and/or environmental impact statements (including anticipated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

The Chariot Solar Project schedule that includes critical path items of 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, and the construction schedule is provided in in Section 12.1 Attachment 1 Project Schedule. No fuel supply elements are applicable for the Projects. Environmental approval critical path items are addressed in Section 9.

12.2 *Detail the status of all critical path items, such as receipt of all necessary siting, environmental, and ISO-NE approvals.*

Table 13 below indicates the status of the critical path items regarding the Project. The Bidder has achieved the following status on critical path items:

- Land control of an area sufficient to build the Project while avoiding and minimizing impacts to sensitive natural resources;
- Land control or land acquisition plan for the Project gen-tie to the anticipated point of interconnection;
- A preliminary environmental assessment that indicates the Project has a clear and viable permitting pathway and schedule of approvals to meet the in-service date;
- Initiated environmental field surveys;
- A ISO-NE Queue Position or queue position in local transmission owner interconnection queue;
- A preliminary engineering design.



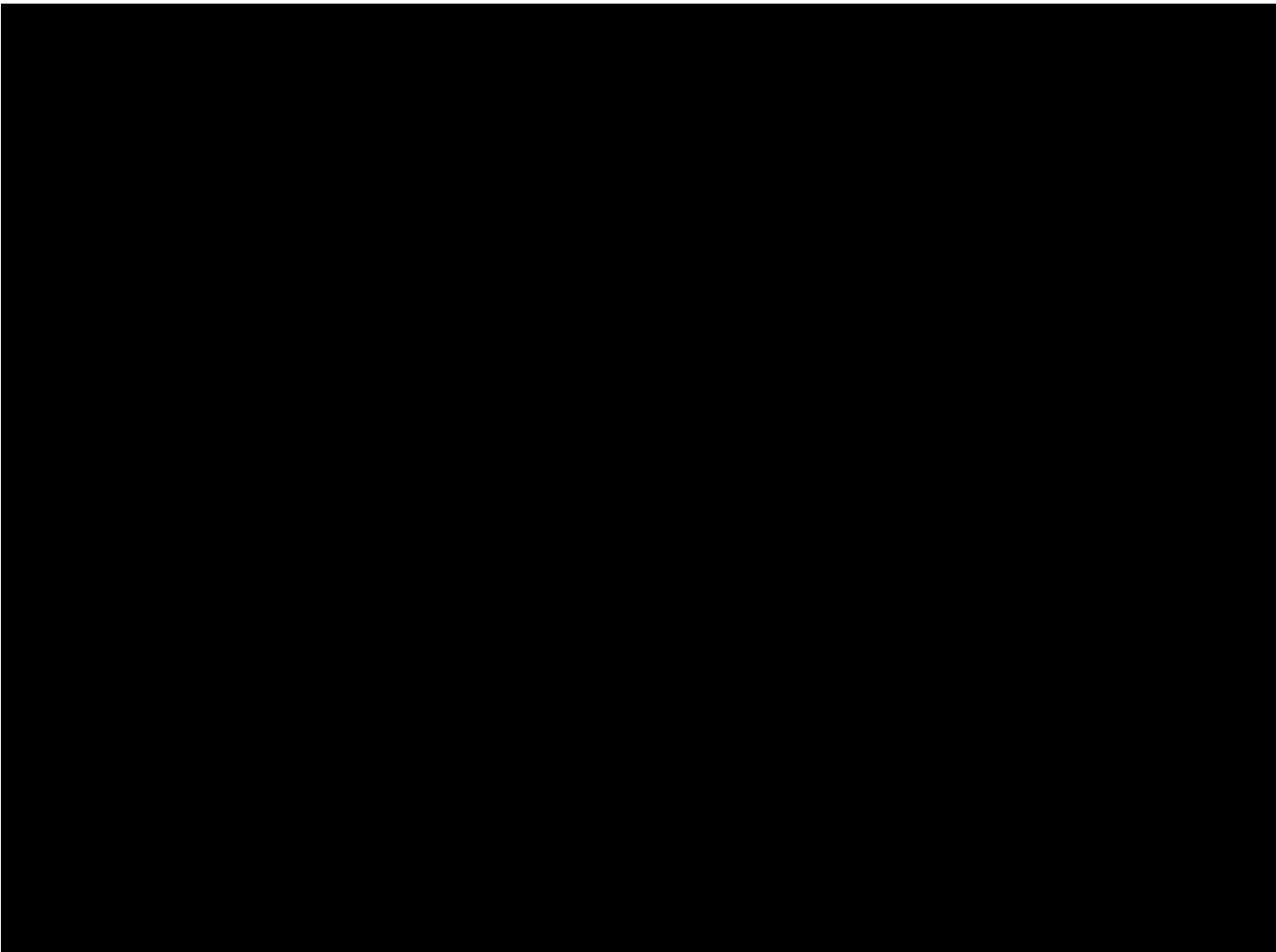
# SECTION 13 PROJECT MANAGEMENT/EXPERIENCE

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*Bidders are required to demonstrate project experience and management capability to successfully develop (for a project that includes new facilities or capital investment) and operate the project proposed. The Narragansett Electric Company is particularly interested in project teams that have demonstrated success in projects of similar type, size and technology and, for projects that include new facilities or capital investment, can demonstrate an ability to work together effectively to bring the project to commercial operation in a timely fashion.*

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

Please see Figure 4 below for an organizational chart of the NextEra corporate structure.



Note: All entities owned at 100% unless otherwise noted. Chart does not include all intermediate entities.

13.2 *For a project that includes new facilities or capital investment, provide statements that list the specific experience of the bidder and each of the project participants (including, when applicable, the bidder, partners, EPC contractor and proposed contractors), in developing, financing, owning, and operating generating or transmission facilities (as applicable), other projects of similar type, size and technology, and any evidence that the project participants have worked jointly on other projects.*

Please see Section 13.5 Attachment 1 and Attachment 2 NEER Portfolio.

13.3 *For a bid that includes existing facilities, provide statements that list the specific experience of the bidder and each of the project participants (including, when applicable, the bidder, partners, EPC contractor and proposed contractors), in owning and operating generating or transmission facilities (as applicable), other projects of similar type, size and technology, and any evidence that the project participants have worked jointly on other projects.*

Not applicable. The Project proposed herein is not an existing facility.

13.4 *Provide a management chart that lists the key personnel dedicated to this project and provide resumes of the key personnel. For Eligible Facilities that are not yet in-service, key personnel of the bidder's development team having substantial project management responsibilities must have:*

13.4.i *Successfully developed and/or operated one or more projects of similar size or complexity or requiring similar skill sets; **and***

13.4.ii *For a project that includes new facilities or capital investment, experience in financing power generation projects (or have the financial means to finance the project on the bidder's balance sheet)*

NEER designates the period between project inception and commercial operations as the execution period. This period is further broken up into Project Development and Construction Phases. During the Development Phase, NEER will develop the Project Execution Plan, complete land acquisition, begin permitting, and seek regulatory approvals. The Development Phase is followed by the Construction Phase, where the Project Execution Plan is implemented and the Project is constructed and ultimately placed into service. While all of the individuals working on the generation and transmission projects are considered members of the Project team, each phase of the Project has individuals assigned with specialized skills and experience specifically to accomplish the goals of that phase of the Project.

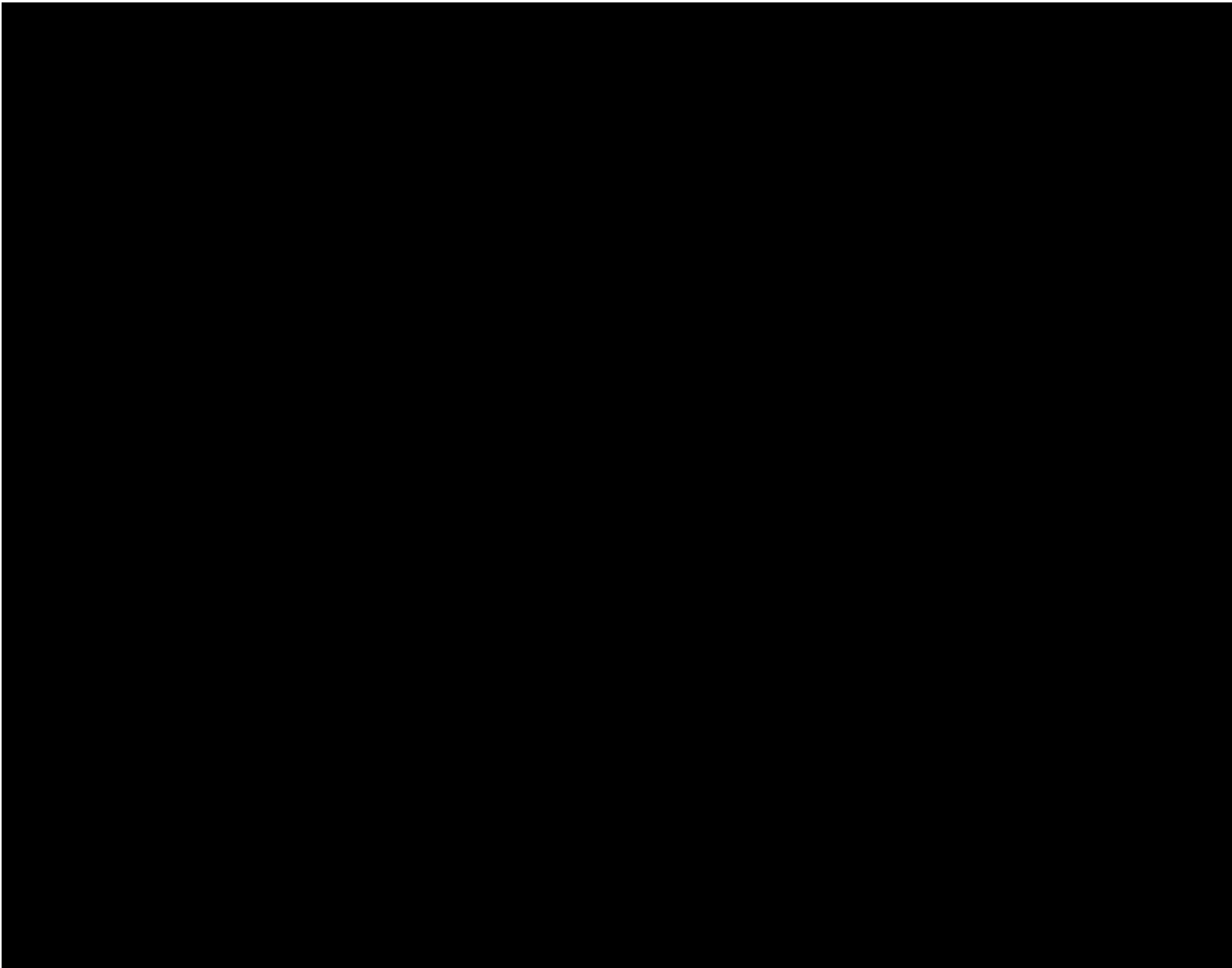
NEER will assemble a team of accomplished professionals and subject matter experts to make up the core project team. This core team will draw upon the matrixed organization of shared resources for the project execution.

The core team will be directed by NEER senior management. These executives have extensive utility and project management experience and will have ultimate decision-making authority for the Project.

Reporting to NEER senior management are the Project Directors. The Project Director will provide a single point of accountability for day-to-day project activities, oversee all project work stream leads and resources, and be responsible for reporting project progress to senior management. The Project Directors will ensure consistency in the project message, goals and direction, and track overall project progress and ensure project resources are available to keep the projects under budget and on schedule.

Individual project work streams will be managed by team leads. These leads are seasoned SMEs with past experience delivering similar projects. These individuals will lead the day-to-day activities of their respective work streams. The leads and their staff members will remain active throughout the development and construction phases of the projects.

The following pages provide a management chart and team biographical details and functional roles through all phases of the project, from development through operations.





## GENERATION DEVELOPMENT TEAM

### **Michael O'Sullivan – Senior Vice President, Development**

Michael (Mike) O'Sullivan is Senior Vice President of Development at NEER, the nation's leader in producing electricity from clean and renewable fuels and also the world leader in producing electricity from the wind and sun. Mr. O'Sullivan has spent 35 years working in the energy sector in the U.S. and Canada, including 16 years with NEER and its affiliates.

In his current role, Mr. O'Sullivan is responsible for overseeing the Company's generation project development efforts, including for wind and solar in North America. Under Mr. O'Sullivan's leadership, NEER has developed approximately 13,000 MW of wind and 2,000 MW of solar generating facilities.

Mr. O'Sullivan received his BS in Civil Engineering from the University of Notre Dame and earned an MBA from the University of Chicago.

### **John Di Donato – Vice President, Development and Origination**

John Di Donato is Vice President of Development and Origination for NextEra Energy Resources, LLC. The company owns and operates North America's largest portfolio of wind generation projects, generating over 8,300 net megawatts at over 80 facilities in 17 US states and Canada. Since 2000, Mr. Di Donato has developed and acquired over 3,300 MW of generation projects for NextEra Energy. He has led development and negotiated the power purchase agreements for wind projects in the central US totaling over 2,700 MW and the 680 MW Calhoun Energy Center, a gas fired simple cycle facility located in Oxford, Alabama. These projects represent a total investment of over \$4 billion in electric generation assets utilizing wind and clean natural gas technologies.

Mr. Di Donato joined NextEra Energy in 1996 as International Tax Manager. In 2000, he joined NextEra Energy's Business Development Team, and since then he has been involved with myriad energy development projects throughout the United States. He and his team are currently responsible for the development and acquisition of wind energy facilities in the Central United States. Previously, he was with Sensormatic Electronics Corporation; a security company based in Boca Raton, Florida. While at Sensormatic, he worked in their London office on international tax matters.

A native of Northeastern Ohio, John holds a Bachelor's Degree in Accounting from Kent State University. He earned a Masters degree in Accounting and Tax from Florida Atlantic University. He is married and lives with his wife and two children in Lake Worth, Florida.

### **Ross D. Groffman, Executive Director**

Ross Groffman is an Executive Director at NextEra Energy Resources, LLC. Mr. Groffman is responsible for NEER's Northeast generation development, including utility scale solar, wind, and energy storage projects. His activities include the management of generation development projects, acquisitions, and joint venture. Previously at NextEra he was a Director in the Canadian wind development group, and

was a Project Director in the Midwest wind development group. Mr. Groffman graduated with a concentration in Management from The Wharton School at the University of Pennsylvania.

### **Hagen Lee, Director, Development**

Hagen Lee is Director of Development at NextEra Energy Resources, the nation's leader in producing electricity from clean and renewable fuels and also the world leader in producing electricity from the wind and sun. He currently leads the development efforts for multiple renewable energy and storage projects in the Northeast US.

Previously, Mr. Lee was the Principal Negotiator for a multibillion dollar 2,500 MW comprehensive renewable energy deal on behalf of Samsung Corporation and Korea Electric Power Corporation.

He holds an M.B.A. from the Wharton Business School and a B.A. in Economics from Dartmouth College.

### **Elizabeth Peyton, Project Manager, Development**

Elizabeth Peyton is a Project Manager with NextEra Energy Resources, where she manages early and late-stage renewable assets in New England, with a focus on land acquisition, local, state and federal permitting, interconnection and project execution. Ms. Peyton has managed the filing of 167 MW of new solar projects with MDEP, and has permitted the two largest solar projects in Maine and the first to complete permitting under Site Law. Prior to joining NextEra, Ms. Peyton was a Development Manager with Ranger Solar, where she managed early-stage, large-scale solar projects in Vermont, Connecticut and Maine.

Ms. Peyton holds a B.A. from Boston University and a Master's degree from the Fletcher School of Law and Diplomacy at Tufts University.

### **Matthew Singer, Associate Project Manager, Development**

Matthew Singer is an Associate Project Manager with NextEra Energy Resources, where he manages early and late-stage renewable assets in New England, with a focus on land acquisition, local, state and federal permitting, interconnection and project execution.

Mr. Singer holds a B.A. in Political Science from Northwestern University and a Master's of Public Affairs in Energy and Policy Analysis from Indiana University, Bloomington.

## **ENGINEERING & CONSTRUCTION TEAM**

### **Thomas Broad – Vice President, Engineering and Construction**

Thomas (Tom) Broad is Vice President, Engineering and Construction for NextEra Energy, Inc. ("NextEra"). In his current role, Mr. Broad is responsible for leading the engineering and construction activities of NEE's generation fleet. He was named to this position in 2013.

Mr. Broad previously served as vice president, central maintenance, where he led the safe and cost-effective execution of major maintenance activities for FPL and NEER fossil-fuel and renewable generating assets throughout the U.S. and Canada. Prior to that, he was director, central maintenance. Mr. Broad joined the company in 1985 as a marketing services representative with FPL. His energy industry experience also includes service with Duke Energy as general manager of procurement for Duke Power and earlier as a plant manager for a combined-cycle merchant plant in Maine.

Mr. Broad earned a Bachelor of Science degree in Engineering - Marine from the Maine Maritime Academy and a Master of Business Administration degree from Nova Southeastern University. He is also a certified Six Sigma Black Belt.

## OPERATIONS AND MAINTENANCE TEAM

### **Jonathan Bain, Vice President, Operations - North**

Jonathan Bain is Vice President, Operations - North at NEER. Mr. Bain is responsible for all renewable and fossil generating assets in NEER's North Region. Mr. Bain has extensive plant management experience. Since he first joined the FPL team in 1999, he served as regional general manager for the Forney and Lamar Energy Centers and plant general manager at Maine Fossil, Jamaica Bay/Bayswater, Bellingham, and the Rhode Island State Energy Center. In his previous role as Vice President of Central Maintenance, Mr. Bain was responsible for the planning and execution of all NEER and FPL non-nuclear outages and maintenance projects.

Prior to joining NEER, Mr. Bain served as a field service engineer at Westinghouse Electric Corporation, where he was responsible for outage services on a wide range of Westinghouse combustion turbines and generators.

Mr. Bain earned a Bachelor of Science degree in Marine Engineering from Maine Maritime Academy and a Master of Business Administration from University of Rhode Island. He is also a certified Six Sigma Black Belt.

## SUPPORT TEAM

### **Patricia Vallejo, Senior Transmission Business Manager**

Patricia Vallejo has worked as the Senior Transmission Business Manager at NEER since 2000 where she is responsible for coordinating the electrical interconnection of wind, solar, energy storage and combined cycle projects in ISO-NE, PJM, NYISO, AESO, IESO, NS, and NPB. ranging from prospecting to located technicality favorable new generation injection opportunities, conceptual design, coordinating the interconnection process of new and modified assets with multiple ISO/RTOs and Transmission Owners to secure successful deployment of electrical grid upgrades required to interconnect NEER projects, monitoring regulatory developments that may affect assets value, to mitigate curtailment risk during the life of the projects.

Prior to joining NextEra Energy Resources, Mrs. Vallejo was Senior Engineer at Independent System Operator of New England, ISO-NE where she provided technical and procedural leadership, coordinating and facilitating the interconnection process of NEPOOL participants.

### **Ed De Varona, Executive Director, Transmission Business Management**

Ed De Varona is Executive Director in the Transmission Business Management organization within NextEra Energy Resources (NEER.) In this role, Ed coordinates all aspects of the interconnection process to ensure successful integration of the NEER wind and solar assets on the nation's electrical grid. This entails ensuring comprehensive electrical modeling, and negotiating interconnection agreements with transmission owners and independent system operators as well as supporting the NextEra Energy development activities in multiple interconnections.

Prior to his current role, Mr. De Varona has served in director level positions with Florida Power & Light, a NextEra Energy affiliate, with responsibilities in Transmission Operations, Transmission & Substation Technology and Emergency Preparedness. Mr. De Varona has served with NextEra Energy and its affiliates for 27 years after earning a BS in Electrical Engineering from the University of Florida.

### **Jonathan Gravel, Environmental Services Project Manager**

Jonathan Gravel is a Project Manager in the Environmental Licensing and Permitting team within NextEra's Environmental Services Department. Mr. Gravel is responsible for environmental support and permitting of energy projects including transmission, solar and wind technologies in Maine, Massachusetts, Connecticut, New Hampshire, Vermont, and Eastern Canada. As Project Manager, he assists NextEra's development teams with project siting, permitting, and agency/public interaction. Mr. Gravel has also worked in the environmental consulting field for over thirteen years as field biologist and project manager on number of utility projects located in northeastern United States. Mr. Gravel has earned a B.S. in Natural Resource with a concentration in wetland ecology from the University of New Hampshire. Mr. Gravel is an active participant with the Maine Association of Wetland Scientists and continues to pursue educational courses in ecology and environmental sciences.

### **WindLogics – Resource Assessment**

WindLogics Inc., an indirect wholly owned subsidiary of NextEra, provides innovative forecasting and optimization solutions that enable low cost, reliable and sustainable power systems. Building on core competencies in meteorology, applied mathematics and data analytics, WindLogics solutions support major electric energy developers, utilities and traders. WindLogics has been a partner in over 7,000 MW of wind and solar energy installations since 2005 and has more hands-on experience evaluating the long-term economic potential of renewable energy projects than virtually any other firm in North America. Windlogics has been involved in evaluating over \$5 billion worth of financial transactions, including mergers, acquisitions, and pre/post construction financing. In addition to providing extensive services to developers of new wind and solar projects, WindLogics helps utilities and power marketers operate more profitably through performance analysis, load forecasting, and smart grid analytics solutions

13.5 *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:*

13.5.i *Name of the project*

13.5.ii *Location of the project*

13.5.iii *Project type, size and technology*

13.5.iv *Commercial operation date*

13.5.v *Estimated and actual capacity factor of the project for the past three years*

13.5.vi *Availability factor of the project for the past three years*

13.5.vii *References, including the names and current addresses and telephone numbers of individuals to contact for each reference*

For a complete list of NEER's renewable generation projects, please see Section 13.5 Attachment 1 and Attachment 2 for NEER Generation Projects.

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

13.6.i *Construction Period Lender, if any*

13.6.ii *Operating Period Lender and/or Tax Equity Provider, as applicable*

13.6.iii *Financial Advisor*

13.6.iv *Environmental Consultant*

13.6.v *Facility Operator and Manager*

13.6.vi *Owner's Engineer*

13.6.vii *EPC Contractor (if selected)*

13.6.viii *Transmission Consultant*

13.6.ix *Legal Counsel*

**Construction Period Lender, if any**

Not applicable.

**Operating Period Lender and/or Tax Equity Provider, as applicable**

None selected at this time.

**Financial Advisor**

Not applicable.

**Environmental Consultant**

[REDACTED]

**Facility Operator and Manager**

[REDACTED]

**Owner's Engineer**

[REDACTED]

**EPC Contractor (if selected)**

[REDACTED]

**Transmission Consultant**

[REDACTED]

**Legal Counsel**

[REDACTED]

13.7 Provide details of the bidder's experience in ISO-NE other Markets affected by the bid. With regard to bidder's experience with ISO-NE markets, please indicate the entity that will assume the duties of Lead Market Participant for your Project. Please provide a summary of the proposed Lead Market Participant's experience with each of the ISO-NE markets.

NEER has a long-standing presence in New England with extensive development and operational experience in the region. NextEra Energy Marketing, LLC ("NEM"), formerly known as NextEra Energy

Power Marketing, LLC ("NEPM"), is a direct wholly owned subsidiary of NEER, and will be the Lead Market Participant for the projects. NEM is the energy trading and marketing arm of NEER. As such, NEM helps to manage a diverse merchant portfolio exceeding 17,000 MW nationwide. NEM transacts in all RTO/ISO markets in the United States, including in ISO New England. NEM (formerly NEPM) has participated in the ISO-NE wholesale market since its inception in 1999.

NEER is the majority owner of Seabrook Nuclear Power Plant in New Hampshire, sole owner and operator of the Wyman 1-3, Cape 4-5 Fossil facilities, majority owner of the Wyman 4 Fossil facility, joint owner of the Bellingham Energy Center, and sole owner of the Casco Bay energy storage facility.

NEM is the Lead Market Participant for all of the current NEER assets in New England. NEM was also the Lead Market Participant for 360 MW of hydroelectric facilities in Maine that were divested by NEER in 2013. NEM is also Lead Market Participant for third party generating resources participating in the ISO-NE markets. NEM's Asset Operations team works with generating resources to formulate and submit offers for sale into the Day ahead and Real Time Energy Market, Ancillary Services Market (Regulation and Reserves), Forward Capacity Market, and Forward Reserve Market. NEM coordinates daily with plant personnel to discuss market conditions, operational limitations, and determine day ahead and real time offer protocols. NEM manages day-ahead generation energy and ancillary service offers into the ISO markets, coordinates scheduling as required, manages real time schedule adjustments and outage notifications, and communicates dispatch instructions to the facilities it manages.

NEM operates a real time desk staffed 24x7 at its Juno Beach, Florida headquarters, and maintains a hardened backup site for disaster recovery scenarios. Yearly dry runs from the backup site insure business continuity in the event of a storm scenario affecting its primary facility.

NEM manages more than 100 wind farms in 19 states and Canada at approximately 13,000 net MW, in addition to growing solar and energy storage portfolios. NEM is also the Lead Market Participant for a significant number of assets as part of its energy management services

## SECTION 14 ALTERNATIVE PROJECT PROPOSALS

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14.1 *Per Section 2.2.4.4 of the Request For Proposals, bidders may submit alternative project proposals, based on varying aspects of the proposed project:*

- *Contract Term Length*
- *Additional Pricing Offer*
- *Production/Delivery Profile*
- *In-service Date*
- *Project Size*
- *Technology Type*
- *Delivery Location*

*Each submitted proposal must be accompanied by a non-refundable bid fee, which will be used to offset the cost of the evaluation of proposals. Bid fee instructions are provided in Appendix E.*

Not Applicable.



## SECTION 15 ECONOMIC AND ENVIRONMENTAL BENEFITS TO RHODE ISLAND

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15.1 *For the direct economic benefits to the State of Rhode Island, please provide an estimate of the number of jobs to be created directly during project development and construction (for a project that includes new facilities or capital investment), and during operations, and a general description of the types of jobs created, estimated annual compensation, the employer(s) for such jobs, and the location. Please treat the development, construction, and operation periods separately in your response.*

[REDACTED] However, the Project is committed to supporting the local and regional economy through job creation and training and will work with local and regional contractors to the greatest extent possible. This partnership will help to ensure local resources are available for current and future projects in the region and will support career opportunities for hundreds of workers in New England.

[REDACTED]

[REDACTED]

[REDACTED]

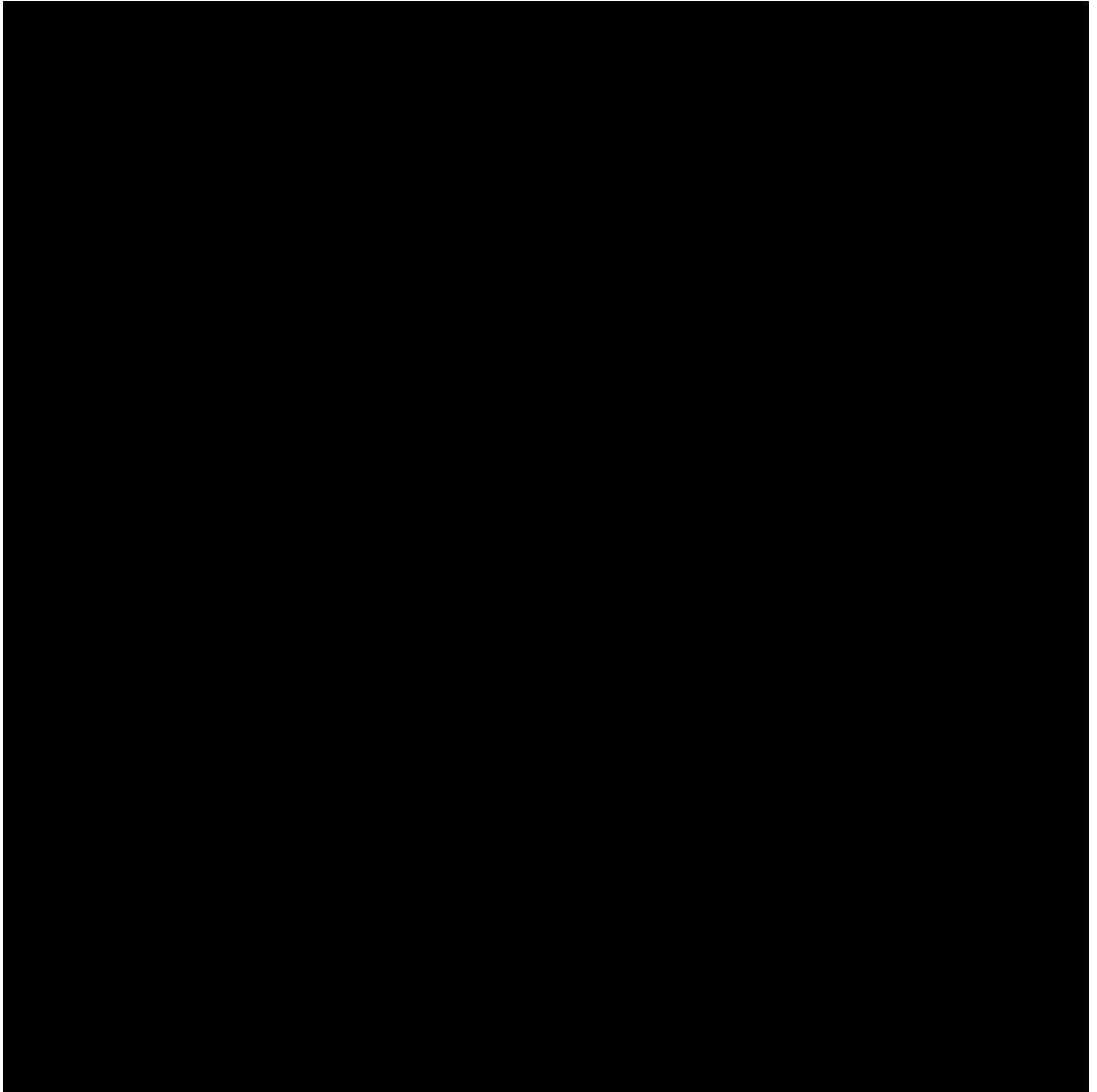
[REDACTED]

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<sup>2</sup> Full time equivalent (FTE) job is defined herein as the equivalent of one job over one year; this unit is used to combine construction and operation period labor which occur over different time periods.

<sup>3</sup> Values presented throughout this section are projections based on the applicant's estimates and the National Renewable Energy Laboratory ("NREL") Jobs and Economic Development Impact ("JEDI") model (Release Number PV12.23.16).

Table 14 summarizes the economic impacts of the Project as forecast by JEDI, based on the applicants anticipated costs.



15.2 Please Provide the above but with respect to jobs that would be indirectly created, in the State of Rhode Island, as a result of the proposed project.

To the greatest extent possible the Bidder will rely on locally based work force. Please see table in Section [5.] above.

15.3 Please describe any other direct economic benefits to the State of Rhode Island (either positive or negative) that could result from the proposed project, such as creating property tax revenues or purchasing capital equipment, materials or services for Rhode Island businesses. Please provide the location(s) where these economic development benefits are expected to occur.

## CHARIOT SOLAR

Development, construction, and operation of the Project would result in the following economic benefits in [REDACTED]

[illegible]

The Project will provide a competitively priced product to ratepayers in Rhode Island. In addition, the proposed Project benefits Rhode Island ratepayers by adding more renewable energy to the market, decreasing the region's carbon footprint, and providing more stable energy pricing over the life of the Project.

15.4 To the extent not already specified elsewhere in your response, please describe any additional benefits or impacts associated with the proposed project.

## CHARIOT RENEWABLE ENERGY EDUCATION INITIATIVE (“CREI”)

## About the Initiative

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]

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- [REDACTED]
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- [REDACTED]
- [REDACTED]

[REDACTED]

[Redacted]

[Redacted]

## SECTION 16 EXCEPTIONS TO DRAFT CONTRACT

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*Please attach an explanation of any exceptions to the Draft Contract set forth in Appendix D to this Notice, including any specific alternative provisions in a redline format to the Draft Contract.*

*Bidders must include a marked version showing any proposed changes to the Draft Contract with their bid, and it is assumed that bidders would be willing to execute the marked-up contracts included in their bids. **Bidders are discouraged from proposing material changes to the Draft Contract.***

See Section 16 Attachment 1 for Changes to Draft Contract.