

**REQUESTS FOR PROPOSALS FOR FUEL CELL AT  
YORK CORRECTIONAL INSTITUTION**

## TABLE OF CONTENTS

<b>1</b>	<b>Overview, Scope and Specifications</b> .....	<b>4</b>
1.1	Green Bank Background .....	4
1.2	Program Background.....	4
1.3	Location and Configuration.....	4
1.4	General Scope and Specifications .....	4
1.5	Fuel Cell System Design .....	7
1.6	Materials.....	8
1.7	Environmental Permitting .....	11
1.8	Project Management.....	12
1.9	Quality Assurance .....	12
1.10	Proposer / Installer Contractor Experience.....	13
1.11	Department of Correction Contractor Security Requirements .....	13
1.12	Installation.....	18
1.13	Final Acceptance Date.....	24
1.14	Maintenance Repairs .....	24
1.15	Emergency Shut-Off Training & Transfer to Island Mode Training .....	24
<b>2</b>	<b>Technical &amp; Narrative Response</b> .....	<b>25</b>
2.1	Technical Description.....	25
2.2	Project Team .....	26
2.3	Project Approach.....	26
2.4	Project Schedule.....	26
2.5	Monitoring and Data Presentation.....	27
2.6	Operations and Maintenance .....	27
2.7	Past Project Experience.....	27
2.8	Terms and Conditions Acceptance and Exceptions .....	28
2.9	Prevailing Wage; Standard Wage.....	29
2.10	Price Proposal.....	29
2.11	Billing.....	29
2.12	Financing.....	30
2.13	Pending Litigation .....	31
2.14	Proposal Submittals.....	31
2.15	Proposal Process.....	32
2.16	General Terms and Conditions.....	32
2.17	Disclaimer .....	33

**Appendices..... 34**  
Appendix A: Suggested Location and Configuration for the Fuel Cell  
Appendix B: LREC  
Appendix C: Hourly Electrical Loads (August 2020 to July 2021)  
Appendix D: Hourly thermal (hot water) loads (August 2020 to July 2021)  
Appendix E: Electrical One-Line  
Appendix F: Connection Points (Valved and Isolated Taps) For Hot Water Return Piping  
Appendix G: DOC Security Clearance Form  
Appendix H: Template State of Connecticut Solar Power Purchase Agreement

# **1 Overview, Scope and Specifications**

The intent of these specifications is to describe the technical and contract requirements for the furnishing and delivering of a fuel cell system under power purchase agreements, and licensing agreements if applicable, between the Connecticut Green Bank and the selected Fuel Cell Contractor (“Contractor”).

## **1.1 Green Bank Background**

1.1.1 The Green Bank is a quasi-public agency established by the Connecticut General Assembly in 2011. As the nation’s first full-scale green bank, it is leading the clean energy finance movement by leveraging public and private funds to scale-up renewable energy deployment and energy efficiency projects across Connecticut. The Green Bank’s success in accelerating private investment in clean energy is helping Connecticut create jobs, increase economic prosperity, promote energy security and address climate change. In 2017, the Connecticut Green Bank received the Innovations in American Government Award from the Harvard Kennedy School Ash Center for Democratic Governance and innovation for their “Sparking the Green Bank Movement” entry. For more information about the Connecticut Green Bank, please visit [www.ctgreenbank.com](http://www.ctgreenbank.com).

## **1.2 Program Background**

1.2.1 The Green Bank is working with the State of Connecticut and the Department of Correction (DOC) to facilitate a fuel cell installation at the York Correctional Institution (YCI). The Green Bank, through this RFP, will procure the installation and financing for the fuel cell. The Green Bank (or other entity owned directly or indirectly by the Green Bank) will execute a master power purchase agreement(s) (“PPA”) with the Department of Administrative Services and a site-specific PPAs with DOC. The form of this PPA will be negotiated with the selected proposer. The Green Bank will assign the PPA to the selected proposer.

## **1.3 Location and Configuration**

1.3.1 While YCI has a suggested location and configuration for the fuel cell system as shown in Appendix A, it is the responsibility of the Proposer to determine an optimal location and configuration of the fuel cell system.

## **1.4 General Scope and Specifications**

1.4.1 Scope shall include a “turnkey” system. A “turnkey” system is one that includes all engineering, design, materials, labor, equipment, electric

panels, breakers, services, permits, approvals, taxes, financing, procurement, installation, construction, utility coordination, interconnection application (preparation, submission, and approval), operation, maintenance, monitoring, billing, and incidentals necessary to install, operate, and maintain a complete fuel cell system as specified hereinafter, and including, but not limited to, the work included in this RFP. Any/All existing facility structural enhancements required for a code compliant installation and to protect the facilities integrity and security standards are to be included within the “turnkey” system.

- 1.4.2 The Proposer will be responsible for the delivery of electricity (and hot water, if financially and/or operationally and/or environmentally advantageous) to YCI through the Connecticut Green Bank (CT Green Bank) under a long term power purchase agreement. The CT Green Bank intends to contract for production from the project site for a twenty (20) year base contract term.

At a minimum, the system shall consist of the supply and installation of an outdoor rated fuel cell system including but not limited to the following:

- a) fuel cell(s),
- b) foundation,
- c) mounting structure,
- d) fencing and security,
- e) terminal, and
- f) combiner box(es),
- g) quick-connect electrical connectors,
- h) conduit,
- i) DC wiring (if required),
- j) DC disconnect (if required),
- k) inverter (if required),
- l) local disconnect,
- m) AC disconnect,
- n) AC wiring,
- o) transformer (if required),
- p) all metering equipment,
- q) a system monitoring and data retrieval system,
- r) and everything necessary to interconnect with YCI’s existing electrical distribution system.
- s) For projects including hot water or other thermal aspects, the system must also include the following:
  - i. all piping,
  - ii. insulation,
  - iii. supports,
  - iv. valves,
  - v. pumps,
  - vi. heat exchangers,

- vii. BTU metering,
  - viii. controls,
  - ix. monitoring systems, and,
  - x. everything necessary to interconnect with YCI's existing hot water space heating distribution system.
  
- 1.4.3 Each Proposer is responsible for ascertaining relevant site conditions and making their findings relative to site conditions and appropriate system size during the site visits.
  
- 1.4.4 The selected Proposer shall prepare and submit all of the required incentive paperwork and reporting in support of any potential incentives available from the State of Connecticut, federal, and/or Utility Company energy programs/initiatives. The Department of Correction has already secured an LREC for the project, included as Appendix B, which will be retained by the State or transferred to the selected proposer at the State's discretion. Unless otherwise noted, all other incentives shall be received by the Proposer.
  
- 1.4.5 All current Connecticut Building Codes including, but not limited to, the Connecticut Department of Energy and Environmental Protection and Connecticut Department of Administrative Services standards and regulations, and all other applicable codes shall apply. Installations need to comply with the current requirements of the Life-Safety Code as adopted by the State Building Inspector. The system shall be designed to meet all applicable Local, State, and Federal code requirements and any seismic and wind-load requirements. Please note, however, project construction may not be subject to permitting or inspection by the Local Municipality. YCI and the CT Green Bank will review the design documents before authorizing construction documents and review construction documents and specifications of the project and shall inspect the installation of the system for compliance and code issues.
  
- 1.4.6 The fuel cell system or system installation activities shall not negate or invalidate any existing equipment warranties to which the system is connected.
  
- 1.4.7 Should any of the equipment warranties be negated and/or invalidated by the fuel cell system and/or the work done to install the fuel cell generation system, the selected Proposer shall provide a new warranty for the affected equipment at no cost to YCI.
  
- 1.4.8 The selected Proposer shall ensure that the integrity of the existing systems will remain intact. Any damages caused by the installation or use of the fuel cell generation system to any of the existing building's equipment or building structure shall be repaired or replaced at no cost to YCI by the

selected Proposer without delay.

- 1.4.9 The fuel cell system installation design documents will also require approval from the States' Insurance provider, F.M. Global (or current provider at the time of submission). Compliance with F.M. Global is to be included as part of this "turnkey" project. Proposers are strongly encouraged to visit the F.M. Global website and to familiarize themselves with all of their design standards. Access to their data sheets is free and only requires a no cost registration to access these data sheets: <https://www.fmglobal.com/research-and-resources/fm-global-data-sheets>.

## **1.5 Fuel Cell System Design**

- 1.5.1 The proposed location of the fuel cell systems is identified in Section 1.1. However, as stated above, the Proposer is responsible for determining the suitability of this location and if not suitable, proposing an alternate location.
- 1.5.2 When sizing the fuel cell system, the Proposer shall take into consideration that the goal of the Green Bank and YCI is to have a system installed that is optimally sized to provide maximum operational benefits to YCI as well as financial and environmental benefits to the State. Fuel cell electrical load shall be consistent throughout the year. Fuel cell should be loaded at all times even in low site demand scenarios.
- 1.5.3 Hourly electrical loads for the site from August 2020 to July 2021 are provided in Appendix C (electronic format). Hourly thermal (hot water) loads for the site from August 2020 to July 2021 are provided in Appendix D (electronic format).
- 1.5.4 Initial screenings suggest that the optimal point of interconnection is at the YCI 23 kV Distribution and Standby Generator Switchgear system. The hot water piping system shall be interconnected to the existing YCI hot water return piping. Both proposed interconnection locations are in Building 10. Proposers shall include all equipment required for interconnection in the proposal. Supplier to suggest the most feasible connection option, provided they meet all applicable design, metering and connectivity requirements. The project must include all equipment and modifications to the existing YCI distribution systems to accommodate fuel cell systems. An electrical one-line is provided in Appendix E and existing connection points (valved and isolated taps) for the hot water return piping are provided in Appendix F.
- 1.5.5 While the electrical distribution system is owned by YCI, the interconnection must comply with all metering and interconnection standards including public utility and incentive requirements. The proposed system must include all provisions to provide safe, reliable power that is

fully integrated with the YCI distribution system.

- 1.5.6 Any necessary upgrades or modifications to the existing main electrical panels, wiring, etc. or new panels as required for the proper operation of the fuel cell system shall be included.
- 1.5.7 Design and installation of components requiring modifications to the switchgear and backup power switching must be coordinated through the vendors of the switch gear (Southern New England Electrical Testing (SNEET)) and backup power switching (Russ Electric).
- 1.5.8 Major electrical components shall be installed in enclosures.
- 1.5.9 A system monitoring and data retrieval system shall be furnished and installed, integrated to the YCI energy management control system (EMCS)/building management system (BMS). The system must also monitor system efficiency and, heat recovery utilization. System must be capable of providing alarm capabilities (visual, audible and dial out) for critical items in order to notify maintenance vendor of the need for service, as well as providing notice to YCI so they are aware that maintenance is needed.
- 1.5.10 Structural engineering analysis and documentation (stamped and signed by a Structural Engineer registered in the State of Connecticut) shall be provided certifying that the fuel cell system can support any loads resulting from local applicable seismic and wind-load activity in addition to the facilities structural integrity.
- 1.5.11 The project design will be reviewed by YCI's designated 3<sup>rd</sup> party. The seismic component of the design may also be subject to a peer review. Plans must be approved by the State Fire Marshal, designated YCI staff, Office of the State Building Inspector and FM Global. YCI staff will assist in ensuring that the design conforms with DOC security standards.

## **1.6 Materials**

### **1.6.1 General**

- 1.6.1.1 All aspects of construction shall meet the more stringent of Federal, State, and Local building codes.
- 1.6.1.2 All components shall be new and direct from the respective manufacturer; used or refurbished materials are not permitted.
- 1.6.1.3 Materials shall be designed to withstand year-round temperatures and conditions to which they are exposed (sunlight, heat, rain, cold, snow, ice, etc.).



- 1.6.1.4 All fuel cell systems structural components shall be designed in a manner commensurate with attaining a minimum twenty (20) year design life from official acceptance date of complete fuel cell operation, it being understood that periodic restacking of the fuel cells may be required as part of the proposer's comprehensive operation and maintenance procedures (all such operation and maintenance programs and procedures to be specified and submitted with the proposal, complete with the identity of major suppliers and service providers).
  - 1.6.1.5 All required disconnect and over-current protection devices shall be included in the system and accessible for maintenance.
  - 1.6.1.6 All systems shall include all equipment necessary to interconnect with the utility and meet all of the utility's requirements for protection equipment, etc.
  - 1.6.1.7 Fuel cell system specified must conform to any Connecticut Department of Energy & Environmental Protection's ("DEEP) regulations/requirements and must qualify for eligibility under any State of Connecticut Energy Initiatives.
- 1.6.2 Electric Power Requirements
- 1.6.2.1 Power provided must be compatible with the onsite distribution system.
  - 1.6.2.2 All Balance of Systems (wiring, component, wiring, conduits, and connections) must be suited for conditions for which they are to be installed. Inverters shall be installed in all-weather enclosures (NEMA 4) suitable for exterior location. An interval data meter must be installed to measure the AC output of the inverter. This meter should be located in close proximity to the billing meter and in a location accessible to institution facilities personnel.
  - 1.6.2.3 Interconnection must be acceptable to the distribution utility. Licensee will prepare and submit appropriate interconnection agreements with the local utility company. This shall be done at no cost or liability to YCI.
  - 1.6.2.4 It is preferred by YCI that the fuel cell system operate in parallel with the existing YCI diesel generators during weekly 30 minute diesel generator testing and unplanned utility outages, while the facility operates in island mode.
    - 1.6.2.4.1 The onsite diesel generators are started and operate in parallel with the grid and then island mode once a month for testing. At this time, the fuel cell system's electrical generation shall continue to run and will modulate down as necessary to permit the generator output to reach

its design maximum and to match the facility's electrical load. When the plant load has been satisfied by onsite generation, the utility breaker will then be opened and the facility will operate in island mode. Upon conclusion of the testing (as well as during the restoration of utility power after an unplanned outage), the diesel generators (and fuel cell system) will again synchronize with the grid and the utility breaker will be closed. The diesel generators will then be modulated down and the fuel cell system's electrical generation will simultaneously increase to return to full electrical output. The fuel cell system must reach full electrical output prior to generator shutdown in order to minimize utility demand charges. If Proposer's system is not capable of operating in the manner described it must be so stated in the Proposer's response. (Bidder to confirm Sequence of Operations described above prior to submitting bid.)

### 1.6.3 Hot Water Requirements

1.6.3.1 Hot water provided must be compatible with the onsite distribution system temperature and flow requirements as shown below:

Supply Temp Set-point to site (°F)	180
Max Return Temp from site (°F)	180
Average Return Temp from site (°F)	173
Average Flow Rate (gpm)	755
Min Flow Rate (gpm)	0 (no flow at times)

1.6.3.2 Hot water from the future fuel cell system must connect to the hot water return and preheat the return water prior to reaching the existing natural gas boilers. The configuration will be a primary-secondary connection, with a portion of the hot water return being drawn into a new dedicated pipe to the fuel cell system using a new hot water pump (furnished by PPA provider) also dedicated to the fuel cell system. Should the temperature of the hot water return meet the supply temp set-point before reaching the fuel cell, or should flow rates of the hot water loop be reduced, the fuel cell system shall be capable of rejecting any of its waste heat to atmosphere to maintain operation.

### 1.6.4 Structural Requirements

1.6.4.1 All structures, including pads and foundations for the fuel cell system, shall be designed to resist dead load, live load, plus wind and seismic loads to the geographic area.

1.6.4.2 All components shall be designed in a manner commensurate with attaining a minimum 20 year design life. Particular attention shall be given to the prevention of corrosion at the connections between dissimilar metals.

1.6.4.3 The structural design shall provide for easy and cost effective repair or replacement of whole the fuel cell system unit or any of its components.

#### 1.6.5 Metering

1.6.5.1 Revenue grade Interval Data Recording (IDR) meters shall be provided complete with industry standard telemetry for communication with Ethernet, cellular or other common output capabilities.

1.6.5.2 Meters must provide minimum 1-minute intervals.

1.6.5.3 Meters shall conform to any requirements of DEEP metering, programs, and all other applicable State and Federal incentive programs.

#### 1.6.6 Fencing & Security

1.6.6.1 Fencing shall conform to any minimum requirements of “Standard Specifications For Roads, Bridges, Facilities And Incidental Construction Form 817”, as well as any utility company interconnection agreements, governing code requirements, LREC/ZREC funding programs, YCI office review and FM Global requirements.

1.6.6.2 Fencing shall be galvanized steel chain link, at least 8’ high, 9-gauge minimum wire, with top and bottom rails, topped with razor wire, concrete footings for support posts and a sufficient number of vehicular gates to facilitate proper maintenance access. Minimum clearance of ten (10) feet between fencing and any structure is required.

1.6.6.3 Fencing must enclose all equipment and the entire area within the fence line must be covered with concrete or gravel in order to eliminate the need to enter the area for grass cutting.

### 1.7 Environmental Permitting

1.7.1 Proposers are responsible for any required environmental permitting process and should determine whether the project is subject to any DEEP environmental impact assessment/report.

1.7.2 Proposers shall design, furnish, and install and operate the Fuel Cell system to accommodate the existing known floodplain elevations.

## **1.8 Project Management**

- 1.8.1 Proposers are expected to provide a dedicated project manager who will guide the implementation of the project from contract execution through to operation.
- 1.8.2 YCI will expect weekly meetings and sufficient documentation during the project implementation to verify progress against a schedule (provided by the fuel cell system supplier) and to effectively identify and resolve issues during the implementation process.
- 1.8.3 The Proposer's contractor must maintain qualified on-site project management/supervision whenever work is proceeding on site.

## **1.9 Quality Assurance**

- 1.9.1 All generating equipment shall be certified by Underwriter Laboratories (UL). The system shall be comprised of UL listed components or, in cases where a UL listed component is not available; the component shall be listed by another OSHA recognized National Recognized Testing Laboratory (NRTL).
- 1.9.2 All installations shall meet or exceed Conn-OSHA requirements for safety and equipment access.
- 1.9.3 The design, construction, and finalized installation shall be completed in accordance with the latest applicable version of the National Electrical Code (NEC), Uniform Building Code (UBC), International Building Code (IBC), American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), American Society for Testing and Materials (ASTM), American National Standards Institute (ANSI), Underwriters Laboratory (UL), Institute of Electrical and Electronics Engineers (IEEE), American Concrete Institute (ACI), Connecticut Occupational Safety and Health (Conn-OSHA), all Federal, State, and Local construction and interconnections codes, and all other incentive and rebate programs.
- 1.9.4 Contractor shall submit to YCI a copy of its quality assurance/quality control (QA/QC) plan for review not later than 45 days after contract execution for review and comment. The system shall be managed in accordance with the program. The QA/QC program shall include, but is not limited to, such procedures and systems as the following:
  - All wire insulation testing—Megger testing or very low frequency testing
  - Mechanical system— mounting structures
  - Factory testing of inverters and transformers by the manufacturer

- Fuse tests
- Termination pull testing
- All visual inspections
- Grounding continuity testing
- Earth-ground resistivity testing
- Fuel cell module inspection and manufacturer documentation of factory test per the manufacturer's existing program
- Metering and instrumentation calibration testing
- Step-up transformer testing
- Inverter phase rotation and matching with utility if required
- Relay settings at the point of interconnection to institutions if required
- Other Contractor-prescribed procedures

1.9.5 All QA/QC testing procedures onsite shall be witnessed and documented by a qualified representative of Contractor. YCI or their Designee ("Designee") shall observe and witness QA/QC as necessary and at its discretion. A qualified engineer of Contractor and/or YCI or their Designee shall date and sign documentation indicating completion and acceptance of each onsite QA/QC test procedure.

## **1.10 Proposer / Installer Contractor Experience**

The selected Proposer and/or any installer shall be licensed with the Connecticut Contractors State License Board to perform all phases of system construction, shall be approved by the equipment manufacturer to install each component and have no less than five (5) years of experience installing similar systems. Additionally, any subcontractors shall be licensed by the Connecticut Contractors State License Board to perform any and all ancillary work that may be required, including but not limited to concrete, trenching, etc.

## **1.11 Department of Correction Contractor Security Requirements**

### **1.11.1 Facility Admittance**

Contractors shall not allow any of their personnel to enter the grounds of or any structures in any Department of Correction ("DOC") facility ("Facility") or undertake any part of the performance unless the employees shall have first been issued an individual, valid, security identification badge which they shall display properly at all times while at the Facility.

Contractor employees who seek admittance to a DOC Facility

must first undergo a background check to confirm their eligibility to be admitted into the DOC Facility. Accordingly, Contractors must use the form in Appendix G for each such employee and complete and submit that form to DOC at least ten (10) business days prior to the date that the employee is scheduled to arrive at the DOC Facility for the Performance. Information on the form includes the following:

- (A) Name
- (B) Date of Birth
- (C) Social Security Number
- (D) Driver's License Number
- (E) Physical Characteristics (such as age, height, weight, etc.)

#### 1.11.2 Official Working Rules

Contractors shall adhere to the following Official Working Rules of the DOC:

- (A) All Contractors shall report to the Facility's security front desk for sign-in, regardless of work location, immediately upon arrival at the Facility.
- (B) All Contractor employees shall work under the observation of an assigned correctional officer or supervisor, who will provide escort for the duration of the work.
- (C) No verbal or personal contact with any inmates.
- (D) Equipment will be checked daily and, when not in use, locked in a secure place as the Facility officials may direct.
- (E) Hacksaws, blades and files will remain in the custody of the officer assigned, except when actually being used.
- (F) The correctional officials may refuse admittance to any Contractor employee for any cause the correctional officials deem to be sufficient.
- (G) In the event of any emergency, all Contractor personnel will be escorted outside the Facility by

correctional officials.

- (H) Contractors shall address all questions pertaining to interruptions of service or to safety of the Facility to the appropriate correctional official.
- (I) Work at the Facility shall be carried on during the time between 7:30 a.m. and 3:30 p.m., subject to change depending on facility needs and the length of time of project construction. The Contractor shall not perform any work at any Facility on any Saturday, Sunday or Holiday, unless DOC determines, in its sole discretion, that there is an emergency.
- (J) The Contractor shall ensure that when all equipment is not in use, it will be unusable or be supervised to prevent use by inmates.
- (K) The Contractor shall supply to DOC a copy of all material safety data sheets for all products used in the process of construction, construction materials, and products brought onto the Facility.
- (L) All Contractors shall sign out at the Facility's security front desk prior to departure following completion of any work.

### 1.11.3 Rules Concerning Department of Correction Facilities

Contractors shall adhere to the Facilities rules ("Facilities Rules") described in this section. At the time that Contractors and Contractor Parties seek to enter a Facility, DOC staff will present to them a document setting forth the following Facilities Rules and extracts of the laws governing the introduction and control of contraband. Contractors and Contractors Parties must read, understand and sign that document as a condition precedent to entering the Facility and as evidence that they understand the consequences imposed for violating these Facilities Rules:

- (A) Restricted Areas - All persons except DOC personnel, upon entering the grounds are restricted to the immediate area of their work assignment. In order to go to other areas, Contractor personnel must first obtain written permission from the supervisory correctional official in charge. Only persons having official business will be admitted to construction sites.

- (B) Inmates - There may be times when inmates may be working adjacent to or in the same area as construction personnel. All persons are prohibited from accepting or giving anything from and to an inmate. Inmates are accountable to DOC personnel only, no other person shall have any conversation or dealings with inmates without the approval of the DOC supervisory official in charge.
- (C) Vehicle Control - Any Contractor personnel entering upon the Facility shall remove the ignition keys of their vehicle and lock the vehicle when they leave it for any reason. Contractors shall ensure that all equipment in, on or around the vehicles is secured and inaccessible to anyone else while in the Facility.
- (D) Contraband - Contractors shall not bring clothing or contraband into or onto the Facility's grounds or leave clothing or contraband in a vehicle located on the grounds of the Facility outside of an area designated by DOC personnel. Contraband is defined below and all persons are subject to these DOC Facilities Rules concerning contraband when on the Facility's grounds.

Contractor shall not introduce into or upon, take or send to or from, or attempt the same to or from, the grounds of the Facility anything whatsoever without the knowledge of the Facility supervisor.

“Contraband” means any tangible or intangible article whatsoever which DOC has not previously authorized and may include letters, stamps, tools, weapons, papers, floor implements, writing materials, messages (written and verbal), instruments and the like. Contractors shall discuss any questions regarding such matters with the Facility supervisor immediately upon those questions arising.

Cigarettes and Cell Phones are “contraband.” Accordingly, Contractors shall leave them secured inside their locked vehicles in an area designated by DOC personnel.

Failure to comply with these Facilities Rules, in the sole determination of DOC, will result in the Contractor being removed from the Facility.

#### 1.11.4 State Laws Governing Unauthorized Conveyance, Possession or Use of



Items, Weapons and Certain Devices

(A) Unauthorized conveyance of certain items brought into the Facility is governed by Conn. Gen. Stat. Sec. 53a-174, which provides as follows:

- (1) Any person not authorized by law who conveys or passes or causes to be conveyed or passed, into any correctional or humane institution or the grounds or buildings thereof, or to any inmate of such an institution who is outside the premises thereof and known to the person so conveying or passing or causing such convey or passing to be such an inmate, any controlled drug, as defined in section 21a-240, any intoxicating liquors, any firearm, weapon, dangerous instruments or explosives of any kind, any United States currency, or any rope, ladder or other instrument or device for use in making, attempting or aiding an escape, shall be guilty of a class D felony. [Penalty for a Class "D" felony per Sec. 53a-35 subsection a, b, c, d is a term not to exceed five (5) years.]The unauthorized conveying, passing, or possessing of any rope or ladder or other instrument or device, adapted for use in making or aiding an escape, into any such institution or the grounds or building thereof, shall be presumptive evidence that it was so conveyed, passed or possessed for such use.
- (2) Any person not authorized by law who conveys into any such institution any letter or other missive which is intended for any person confined therein, or who conveys from within the enclosure to the outside of such institution any letter or other missive written or given by any person confined therein, shall be guilty of a class A misdemeanor. [Penalty for a Class "A" misdemeanor per Sec. 53a-36 subsection 1, the term is not to exceed one (1) year.]
- (3) Any person or visitor who enters or attempts to enter a correctional institution or Facility by using a misleading or false name or title shall be guilty of a class A misdemeanor.

(B) Possession of weapons or dangerous instruments in the

Facility is governed by Conn. Gen. Stat. Sec.53a-174a, which provides as follows:

- (1) A person is guilty of possession of a weapon or dangerous instrument in a correctional institution when, being an inmate of such institution, he knowingly makes, conveys from place to place or has in his possession or under his control any firearm, weapon dangerous instrument, explosive, or any other substance or thing designed to kill, injure or disable.
  - (2) Possession of a weapon or dangerous instrument in a correctional institution is a class B felony. [Penalty for a Class "B" felony per Sec. 53a-35 subsection a, b, c, d is a term not to exceed twenty (20) years.]
- (C) Conveyance or use of electronic or wireless communication devices in the Facility is governed by Conn. Gen. Stat. Sec. 53a-174b, which provides as follows:
- (1) A person is guilty of conveyance or use of an electronic wireless communication device in a correctional institution when such person, without authorization by the Commissioner of Correction or the commissioner's designee, (1) conveys or possesses with intent to convey an electronic wireless communication device to any inmate of a correctional institution while such inmate is in such institution, or (2) uses an electronic wireless communication device to take a photographic or digital image in a correctional institution.
  - (2) Conveyance or use of an electronic wireless communication device in a correctional institution is a class A misdemeanor.

## **1.12 Installation**

- 1.12.1 The Contractor shall meet and confer with YCI facility staff throughout the installation process (from design through final signoff) to ensure that the installed fuel cell equipment and auxiliaries do not create problems for the operation and maintenance of YCI operations. At two (2) points during the Contractor's design process, namely Preliminary Engineering (SD), and Detail Engineering (DD), the Contractor shall submit design documents to

YCI with sufficient information to allow YCI to determine if the proposed design is compatible with YCI operations. YCI technical approvals will consist of fuel cell equipment placement, interconnections with existing equipment and utilities, interface with existing conditions including but not limited to aesthetics, verification that developer will obtain required approvals and inspections and permits, safe conditions and access to existing equipment are maintained, developers proposal appears practical and feasible. The Developer shall respond to all review comments made by YCI. Installation shall not begin until the Detail Engineering documents are accepted by YCI.

1.12.2 The Contractor shall provide a critical path schedule of the fuel cell project. The critical path time schedule will include no fewer than the following major project phases. (The Contractor's construction activities shall adhere to the Project Schedule set forth in Section 2 of this RFP.)

1.12.2.1 Pre-construction:

- The Contractor shall obtain, at its expense, all permits and/or certificates required for installation and operation of the fuel cell system(s); and
- The Contractor shall obtain all approvals from YCI, FM Global, and any other third parties necessary for installation and operation of the fuel cell systems;

1.12.2.2 Delivery of the fuel cell systems;

1.12.2.3 Installation of the fuel cell systems, including details regarding utility interruptions, if required, with duration and plans to power the facility during any such interruptions. The facility is occupied 24/7 and any full outages (utility and generator) cannot be longer than 1.5 hours and must be scheduled. Advanced notice shall be provided should the entire complex be without utility power or should the facility need to run on generator power.

1.12.2.4 Complete fuel cell systems testing and commissioning.

1.12.3 The Contractor will be solely responsible for all work, including but not limited to: (i) all professional fees, permits costs, and material and labor expenses related to the installation, commissioning, maintenance, operation and decommissioning of the fuel cell systems; and (ii) all auxiliary equipment required to provide a fully operational system that meets the requirements of this RFP.

1.12.4 The Contractor shall provide a measurement and verification (M&V) plan prior to substantial mechanical completion showing all associated instrumentation and data collection to YCI for approval.

#### 1.12.5 General

1.12.5.1 All safety, electric, building, and labor code requirements at the Federal, State, and Local levels shall be met.

1.12.5.2 The installation shall be completed per the Manufacturer's written installation manual.

1.12.5.3 All cables, conduit, exposed conductors, and electrical boxes shall be secured and supported according to code requirements and any DOC requirements.

1.12.5.4 All applicable environmental regulations shall be met.

1.12.5.5 The Supplier shall obtain all required approvals.

#### 1.12.6 Electrical System

1.12.6.1 Electrical construction shall meet all Federal, State, and Local electric codes.

1.12.6.2 All outdoor panel enclosures shall be weatherproof (NEMA 4) and capable of surviving intact under the site environmental conditions.

1.12.6.3 All electrical/electronic equipment shall have surge and lightning protection. All electrical/electronic equipment and metal surfaces shall be properly grounded as required in the NEC and as required by the equipment manufacturer for protection of personnel and equipment due to fault. Lightning protection shall be engineered and certified by a qualified contractor.

1.12.6.4 Other technical codes that will apply include:

- ANSI Z21.83 (Fuel Cell Power Plants)
- NFPA 853 (Standard for the Installation of Stationary Fuel Cell Power Systems)
- NEPA 70 (National Electrical Code)
- IEEE 1547 (Standard for Interconnecting Distributed Resources with Electric Power Systems)
- National Electrical Safety Code – ANSI C2
- All applicable State Building Codes and requirements

#### 1.12.7 Installation Standards

1.12.7.1 The Supplier shall obtain appropriate certifications from a Professional Engineer for all structural, seismic, building code, fire code, FM Global,

and wind-loading requirements for the specific application and provide them as part of the post-installation package.

1.12.7.2 System installation shall conform to Manufacturers' installation manuals and approved project drawings and specifications.

1.12.7.3 Mounting hardware shall be compatible with the site considerations and environment. The facility is located in close proximity to the ocean and the equipment selection for the fuel cell system should take that into consideration.

#### 1.12.8 Meters, Monitoring, and Data Acquisition System

1.12.8.1 The Supplier shall develop and provide a remote monitoring program that will allow YCI to monitor the performance of the fuel cell generation system in historical and real-time for the life of the equipment.

1.12.8.2 Meters shall be integrated to YCI's Energy Management Control System (EMCS)/BMS for the purposes of metering, monitoring and data collection of electricity production. Specifically, this shall apply to electrical generation, fuel usage, runtime and waste heat recovery (through the hot water loop). Meters shall be calibrated according to manufacturer's specifications and schedule to satisfy State reporting requirement (e.g. emissions, RECs).

#### 1.12.9 System Start-Up

1.12.9.1 All start-up and testing activities shall be witnessed by YCI's Project Manager, Construction Inspector, and/or other appropriate Designees.

1.12.9.2 The Supplier shall thoroughly inspect the installation to ensure compliance with all applicable safety regulations and requirements and obtain approval of institutional staff or Designee, prior to operation.

1.12.9.3 Start-up shall be per all manufacturers' instruction.

1.12.9.4 The system shall be started and tested in accordance with any regulations of the local utility and net metering programs. The system shall be started via factory trained and certified technicians.

1.12.9.5 Contractor shall supply YCI with all manuals and/or handbooks (in printable electronic format) that provide, either in a single manual or handbook or collectively, complete operating and maintenance instructions (including inventories of spare parts and tools and parts lists with ordering instructions) for each major piece of equipment and system.

#### 1.12.10 System Commissioning

1.12.10.1 Complete a system commissioning per the Specifications and

equipment manufacturer's written instructions. System commissioning shall meet all requirements of utility and state rebate programs. Contractor shall provide the proposed commissioning and startup plan for the installation. Contractor shall coordinate with YCI to develop an acceptable commissioning plan that includes a checkout and startup procedure.

1.12.10.2 This work will assure that:

- Systems are activated in a manner that is safe for personnel as well as for the equipment;
- Contractor work is complete and according to the contract documents;
- Systems perform as required by the contract documents

1.12.10.3 As the construction and installation of the systems nears completion, Contractor shall prepare punch lists and conduct system walk-downs, sub-system and system checkouts, startups, testing, and turnovers.

1.12.10.4 The final approved Acceptance Test and Commissioning Procedures shall, at minimum, include the following:

- Safety plan during startup and commissioning
- Review of all QA/QC testing on the DC and AC sides of inverters
- Detailed procedure for Fuel Cell System startup, including switching sequencing
- Confirm testing and energizing inverters in conformance with manufacturer's recommended procedures; note operating voltages; and confirm inverter is performing as expected
- Testing the system control and monitoring system to verify that it is performing correctly
- Testing the communication system for offsite monitoring
- Testing the installation of metering and protective relaying to verify they meet utility requirements
- Detailed procedure for interface and initialization with the grid
- Documentation of successful startup and commissioning procedure
- Written notification submitted by Contractor to YCI that the completion of Acceptance Testing and Commissioning has occurred

1.12.10.5 Upon successful completion of energizing and startup, the system will be considered operable. The system will then move to the Interim Operating Period where Contractor shall make the installations ready for Capacity Testing.

#### 1.12.11 Final Installation and Commissioning Tasks

Contractor shall perform the following tasks without limitation prior to final acceptance by YCI:

1.12.11.1 Identify punch-list items and provide timeline for completion. Contractor shall complete the items on the punch-list in accordance with the standards described herein, and as quickly as reasonably practical. Contractor shall coordinate with YCI regarding continued site access.

1.12.11.2 Conduct a final clean-up of the Site.

1.12.11.3 Remove all materials and equipment belonging to the Contractor or its subcontractor(s) from the site (other than equipment, supplies, and materials necessary or useful to the operation or maintenance of the site, and equipment, supplies, and materials directed by YCI to remain at the site).

1.12.11.4 Tear down and remove all temporary structures on the site built by Contractor or its subcontractors and restore such areas to a condition consistent with that of a newly constructed fuel cell system, except as required by any provision of this Agreement.

1.12.11.5 Remove all waste, rubbish, and hazardous material from and around the site.

1.12.11.6 Provide YCI with copies of all O&M manuals and warranties for the installed systems.

1.12.11.7 Provide final as-built documents upon completion.

#### 1.12.12 Interim Operating Period

Following successful completion of the startup and commissioning of the systems, the Contractor shall have a maximum of 45 days "Interim Operating Period" to resolve any operating issues. YCI designated operating and maintenance team shall receive training regarding the systems during this period. After the successful execution of the Interim operating period, the Contractor shall perform a capacity test procedure to verify the rated output for the system. Contractor is not required to use the maximum 45

days, rather it is an allowance of time. For example, Contractor may be ready for capacity testing after 10 days.

### **1.13 Final Acceptance Date**

- 1.13.1 YCI shall determine when the system is working and acceptable per the specifications, scope, terms and conditions as specified by this RFP document and the resultant agreement.
- 1.13.2 At least 30 days before the expected Final Acceptance Date, selected proposer shall train YCI in the operation of the fuel cell system. It is expected that training will be provided for Facilities Maintenance staff and other interested institution personnel to promote understanding and monitoring of the system. A portion of this training shall specifically include how to properly and safely isolate the fuel cell system from the existing institutionally owned and operated equipment and systems that YCI will need to continue to maintain and service. Selected proposer shall provide YCI staff with yearly training and review of proper emergency shut down procedures.

### **1.14 Maintenance Repairs**

- 1.14.1 The proposer shall be responsible for all maintenance and repairs of the system. However, YCI does understand that some regular, maintenance and repair activity is required. YCI will provide access to the facilities interior, when needed, as soon as feasible but the Proposer should anticipate a minimum 24 hour notice to gain access for interior maintenance/repair work. Except in cases of emergency, access to the area is permitted 8:00 am to 3:00 pm, Monday through Friday. In cases of emergency, Proposer must respond within two (2) hours from notification (by YCI or fuel cell monitoring system) to time on-site. Proposer must also provide notification of the emergency and expected arrival time to YCI's designated emergency contact (to be provided by YCI). Note that all of the Contractor's personnel must first undergo a background check to confirm their eligibility to be admitted into the DOC Facility, as outlined in Section 1.11.
- 1.14.2 Selected proposer shall supply institution with all manuals and/or handbooks (in printable electronic format) that provide, either in a single manual or handbook or collectively, complete operating and maintenance instructions.

### **1.15 Emergency Shut-Off Training & Transfer to Island Mode Training**

- 1.15.1 Selected Proposer will train YCI's Facilities Maintenance staff on how to perform emergency shut-off procedures. Yearly training to be provided by the selected Proposer to ensure proper procedures are updated and



understood by YCI staff.

- 1.15.2 Selected Proposer will train YCI's Facilities Maintenance staff on how to perform a transfer to Island Mode, if included as a system capability. (e.g. start generators while fuel cell is operating, open up utility breaker while fuel cell and generators continue to run, close utility breaker, shut down generators while fuel cell continues to run). Coordination should be done through the vendors of the switch gear (Southern New England Electrical Testing (SNEET)) and backup power switching (Russ Electric).

## **2 Technical & Narrative Response**

### **2.1 Technical Description**

Provide a technical description of the system. Information to be included in the description:

- Power capacity (AC kW) measured at the electrical interconnection point.
- Total System efficiency.
- Annual guaranteed minimum output (AC kWh and hot water MMBTU) production with a description of the methodology used. This must be consistent with values provided in the price proposal.
- Total annual import for balance of site load (kWh).
- Total annual heat recovery (kBTU).
- Total system export (kWh) to utility.
- Generation data (kW, kWh, BTU, BTU/hr) [electricity and hot water] by hour and time of use period. This level of output data is considered optional for Proposers but will be helpful to YCIs in accurately assessing the value of the system.
- A description of the equipment deployed, including manufacturer, model number, efficiency, and warranty.
- A description of the interconnection with the YCI electricity and hot water distribution systems.
- A description of the sequence of operations (SOO) for coordinating fuel cell electrical output with the YCI diesel generators during scheduled weekly 30 minute YCI generator testing and utility outages. (e.g. start generators while fuel cell is operating, open up utility breaker while fuel cell and generators continue to run, close utility breaker, shut down generators while fuel cell continues to run)
- A description of other balance of system components.

- A description of the mounting and structural support systems for the system.
- Dimensions, type of installation, product data sheets, single line electrical diagram, piping & instrumentation diagram, structural engineer certification, and a list of all tie-in points to existing site systems.
- Note that the aesthetic character of the mounting structure and overall system installation will be considered. Thus, the proposal should include enough information to assess the solution's aesthetic characteristics. Inclusion of photographs, photo simulations, material samples, and architectural elevations are required under this item. Please include the height of the proposed system, all relevant details of the fencing system and components to be used to enclose and secure the fuel cell system area.

## **2.2 Project Team**

Describe the proposed project team, including:

- Contact information for the lead of the proposal team, responsible for the response submittal. This person will be contacted with questions and communications regarding the RFP response.
- An organizational chart that includes all key project members. Members provided as part of the proposal shall be identified by name and title (and organization if required for clarity). The organization chart should include all components of the project including contract management, design, equipment sourcing, system integration, installation, financing, metering, and billing.
- A description of the roles and responsibilities for each team member.

## **2.3 Project Approach**

Give a detailed description of your approach to project delivery, including an overview of the project implementation process and system commissioning plan. This overview should describe specific implementation phases or steps that will be conducted to deliver the product.

## **2.4 Project Schedule**

Provide a schedule for the project that includes major work streams and milestones. The format should be a list of project activities with start and end dates. Include a schedule section pertaining to each of the

project locations.

## **2.5 Monitoring and Data Presentation**

Provide a description of the monitoring system for the project including:

- Monitoring systems – what systems will be included in the proposed system to monitor, diagnose, and track the output of the fuel cell system. At a minimum, a dashboard shall be created and/or linked to each YCI BMS, Energy management or other similar sustainability website, details to be determined during the project submittal process.
- Access to and presentation of data.
- Energy Management Control System (EMCS) Integration – how monitoring data is integrated to YCI's building energy management and control system.
- Fuel usage and runtime of equipment must be tracked and logged.

## **2.6 Operations and Maintenance**

Provide a complete description of all operations and maintenance activities that will be provided for the system. Please:

- List and describe each maintenance activity to ensure Proposer maintenance staff is fully aware.
- Include the frequency at which the activity will be performed
- YCI personnel will be responsible for emergency shutdowns only.
- DOC shall NOT be responsible for any cost for repairs or replacement for the life of the contract.
- Describe training that is included in the proposal.
- Provide warranty periods for any parts of the system as applicable.

## **2.7 Past Project Experience**

Provide a list of past projects completed by the proposed team that are similar in scope as that proposed. The description for each project/program should include:

- The project name
- Location
- Project size (total cost and project capacity in kW (DC))
- Project delivery type – for example, provided for direct

purchase, lease or provided through a power purchase agreement

- Year completed
- Name of client contact and contact information
- Brief physical description of the project (equipment manufacturer, model, etc.)
- Include at least project example which required coordination with facility emergency generators

## **2.8 Terms and Conditions Acceptance and Exceptions**

**2.8.1 Please indicate any exceptions to the RFP documents, including all exhibits. Also, please confirm acceptance of all remaining portions of the RFP including all exhibits, not identified as an exception.**

2.8.2 Technical Exceptions:

- The Proposer shall clearly describe any and all deviations in its Proposal from the functional requirements stated in this RFP and also describe any product enhancements that could be made by the Proposer to satisfy those requirements.

2.8.3 General Exceptions:

- The Proposer shall clearly state its objections, exceptions, or alternatives to the general (non-technical) requirements stated in this RFP, including the provisions of Attachment I, Contract Provisions. If the Proposer has no general exceptions to present, this fact should be stated in the Proposal.
- YCI will not consider the submission of the Proposer's standard software license and maintenance agreements to be a presentation of exceptions. Every exception must be stated as such in the document mentioned above.
- Proposers are cautioned that if YCI is unwilling or unable to approve a request for exception to the RFP requirements and the Proposer does not withdraw the request, the proposal will be deemed to be non-responsive and ineligible for contract award.

2.8.4 Please indicate any known YCI and/or CT Green Bank employees or near relatives that own or control more than a ten percent (10%) interest in your organization. If there are none, state it.

## **2.9 Prevailing Wage; Standard Wage**

2.9.1 The wages paid on an hourly basis to any person performing the work of any mechanic, laborer or worker on the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such person to any employee welfare fund, as defined in subsection (i) of Conn. Gen. Stat. Sec. 31-53(a), shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any Contractor who is not obligated by agreement to make payment or contribution on behalf of such persons to any such employee welfare fund shall pay to each mechanic, laborer or worker as part of such person's wages the amount of payment or contribution for such person's classification on each pay day.

## **2.10 Price Proposal**

Proposers should make the following assumptions as part of their pricing:

- The Green Bank will include a development fee of \$100,000. This fee will be paid directly to the Green Bank prior to assignment of the PPA. The amount is subject to change but proposers will be allowed to adjust bids to compensate for any changes.
- Taxes on fuel cell systems sales: Proposers shall assume that YCI will not pay property, city energy or utility user's tax on fuel cell purchased or on any Proposers equipment; however, Proposers will be responsible for any and all taxes associated with their ownership and operation of the fuel cell system.
- Innovative Pricing Structures or Additional Pricing Information: Proposers should clearly and concisely outline and explain their proposed pricing structure to YCI. YCI will consider contract terms that may include, but are not limited to, floor and ceiling prices, prices indexed to market or tariff rates, short and long term transactions, purchase and sale of renewable energy credits, and other provisions that will optimize the financial and operational benefits to YCI and ensure project viability for the Proposers. In any case, YCI asks that Proposers provide a reasonable representation of the pricing in their proposal.
- Price proposal should include a pro forma showing all revenue streams (incentives, energy credits, electricity sales, etc.), expenses (electricity purchases, fuel costs, etc.) and savings (hot water production, etc.). The pro forma should cover the entire contract term.

## **2.11 Billing**

Provide a description of the billing process. Please include:

- Options for bill access (mail, e-mail, on-line)
- A description of any true-up billing processes

## 2.12 Financing

2.12.1 The Proposer will be responsible for obtaining any federal tax credits and carbon offsets available to it.

2.12.2 It is presently anticipated that the term of the Energy Purchase Agreement to be negotiated and executed by the Proposer and YCI will be twenty (20) years, with the option of one (1) five-year contract extension if agreed upon by the parties. However, YCI realizes that the useful life of Fuel Cell components vary depending upon the manufacturer. Accordingly, if a Proposer determines that the anticipated contract term described in this section is not optimal, it may propose an alternate contract term of lesser or greater length (not to exceed a total base and extended contract length of twenty-five (25) years). Any Proposer proposing an alternate contract term should provide an explanation for its proposal. The proposal should include an option for purchase of the system by YCI at the end of the contract term or removal at the proposer's expense.

2.12.3 The state of Connecticut has developed a template Power Purchase Agreement for behind-the-meter solar projects, attached as Appendix H. This template will serve as the basis for the agreement for this project. **Proposer must indicate acceptance or rejection of any applicable business terms for a fuel cell.**

2.12.4 The Proposer will be paid an agreed-upon fee by YCI on a monthly basis for electricity by operation of the fuel cell systems. The amount of the monthly invoice will be stated by the Proposer within the pro forma.

2.12.5 The Proposer is encouraged to seek supplemental grant funding that will reduce the overall program cost to YCI.

2.12.6 The CT Green Bank and YCI make no representations regarding the potential of any available grant funding. CT Green Bank and YCI will not provide any information regarding the availability of grant funding or respond to questions asked regarding such funding.

2.12.7 The Green Bank will make debt financing available for the Projects. Respondents can, but are not required to, enter in a loan agreement with CT Green Bank (or an affiliate) of up to 60% of the Value of the Projects (subject to adequate DSCR coverage per below) with the summary terms outlined in Table 1.

**Table 1. Indicative Loan Terms**

Interest rate:	3.0% (subject to market conditions at the time of the loan, final PPA pricing to be provided by Respondents in the Request for Proposals, if making use of Green Bank debt financing, should be based on this estimate with a \$/kwh factor for each 10bps change in ultimate interest rate)
Term:	15 years or coterminous with the Low Emissions Renewable Energy Credit (LREC) Contract. Loan draws available upon the Projects' Commercial Operation Date
Minimum Debt Service Coverage Ratio ("DSCR")	1.25x
Other	No upfront fee but reimbursement of loan closing legal costs

## 2.13 Pending Litigation

2.13.1 Provide a description of any litigation, pending judgments, etc., which could affect the proposer's ability to enter into an agreement with Green Bank. A description of the circumstances involved in any defaults by the proposer. If you have been subjected to any outside audits in the past three years, state by whom the audit was performed, for whom, the facility involved, and the results of the audit.

## 2.14 Proposal Submittals

The components shown in the checklist below shall be provided with the proposal:

- System technical description (as detailed in Section 2.1)
- Description of the proposed project team (as detailed in Section 2.2)
- Description of your approach to project delivery (as detailed in Section 2.3)
- Schedule for the project that includes major work streams and milestones (as detailed in Section 2.4)
- Description of the monitoring system for the project (as detailed in Section 2.5)

- Description of all operations and maintenance activities that will be provided (as detailed in Section 2.6)
- List of past projects completed by the proposed team (as detailed in Section 2.7)
- Terms and Conditions Acceptance and Exceptions (as detailed in Section 2.8)
- Price Proposal (as detailed in Section 2.9)
- Description of the billing process (as detailed in Section 2.10)
- Description of project financing (as detailed in Section 2.11)
- A summary of all anticipated approvals that will be required for the proposed project.

## **2.15 Proposal Process**

2.15.1 Questions are due 5pm ET, June 20, 2022 and should be sent to [RFP@ctgreenbank.com](mailto:RFP@ctgreenbank.com). Questions and answers will be posted publicly.

2.15.2 A pre-bid site visit will be held on June 16 and potential bidders are encouraged to attend. Attendees must complete the attached security clearance form in Appendix G and either fax to the attention of Tracie Gadrow at 860-920-3081 or e-mail scanned forms to [DOC.Collect1@ct.gov](mailto:DOC.Collect1@ct.gov). Forms should be submitted as soon as possible as ten (10) business day are required for processing.

2.15.3 Proposals are due 5pm ET, June 30, 2022

2.15.4 Proposals shall be submitted electronically to [RFP@ctgreenbank.com](mailto:RFP@ctgreenbank.com). The subject line should be identified as: “Proposal for State of CT DOC Projects”.

## **2.16 General Terms and Conditions**

2.16.1 Contractor elects to respond to this RFP, submission of your proposal assumes the acceptance of the following understandings

2.16.1.1 Green Bank reserves the right to reject any or all of the proposals received in response to the RFP, to waive irregularities or to cancel or modify the RFP in any way, and at any Green Bank chooses, in its sole discretion, if Green Bank determines that it is in the interest of Green Bank.

2.16.1.2 Green Bank further reserves the right to make awards under this RFP without discussion of the proposals received. Proposals should be submitted on the most favorable terms from a technical, qualifications, and price standpoint. Green Bank reserves the right not to accept the lowest priced proposal.

2.16.1.3 Proposals must be signed by an authorized officer of the Contractor.



Proposals must also provide name, title, address and telephone number for individuals with authority to negotiate and contractually bind Contractor, and for those who may be contacted for the purpose of clarifying or supporting the information provided in the proposal.

2.16.1.4 Green Bank will not be responsible for any expenses incurred by any proposer in conjunction with the preparation or presentation of any proposal with respect to this RFP.

2.16.1.5 Green Bank's selection of a Contractor through this RFP is not an offer and Green Bank reserves the right to continue negotiations with the selected Contractor until the parties reach a mutual agreement.

## **2.17 Disclaimer**

2.17.1 **Green Bank is subject to the requirements outlined in Sections 16-245n of the Connecticut General Statutes. GREEN BANK SHALL HAVE NO LIABILITY OR OBLIGATION OF ANY SORT HEREUNDER, INCLUDING, WITHOUT LIMITATION, IF FOR ANY REASON OR NO REASON A BINDING AGREEMENT IS NOT ENTERED INTO WITH ANY PROPOSER. IN MAKING ITS SELECTION OF A SUCCESSFUL BIDDER, GREEN BANK MAY CONSIDER ANY AND ALL FACTORS AND CONSIDERATIONS WHICH GREEN BANK, IN ITS SOLE DISCRETION, DEEMS RELEVANT, THE RELATIVE IMPORTANCE OF WHICH SHALL BE IN THE SOLE DISCRETION OF GREEN BANK.**

# Appendices

## **Appendix A:**

### **Suggested Location and Configuration for the Fuel Cell**

**Appendix B:**

**LREC**

**Appendix C:**

**Hourly Electrical Loads (August 2020 to July 2021)  
(Attached Electronically)**

**Appendix D:**

**Hourly thermal (hot water) loads (August 2020 to July 2021)  
(Attached Electronically)**

**Appendix E:**  
**Electrical One-Line**

**Appendix F:**

**Connection Points (Valved and Isolated Taps) For Hot Water Return Piping**



**Appendix G:**  
**DOC Security Clearance Form**

**Appendix H:**  
**Template State of Connecticut Solar Power Purchase Agreement**