

## **REQUESTS FOR PROPOSALS FOR SOLAR PROJECTS AT STATE OF CONNECTICUT FACILITIES**

### **I. PURPOSE**

The Connecticut Green Bank (“Green Bank”) seeks proposals from qualified contractors or entities (“Proposer” or “Contractor”) to provide engineering, procurement, and construction (“EPC”) services for solar PV projects (“Project” or “Site” and together referred to as “Projects” or “Sites”) at state facilities outlined in Table 1 (together being, the “Systems”).

### **II. GREEN BANK BACKGROUND**

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 “Sparkling the Green Bank Movement” entry. For more information about the Connecticut Green Bank, please visit [www.ctgreenbank.com](http://www.ctgreenbank.com).

### **III. PROGRAM BACKGROUND**

The Green Bank is working with the State of Connecticut to facilitate solar PV deployment at Sites owned by the Department of Transportation (“DOT”), the Department of Energy and Environmental Protection (“DEEP”), and the Connecticut Technical Education and Career System (“CTECS”). The Green Bank, through this RFP, will procure EPC services for the projects outlined in Table 1. The Green Bank’s subsidiary, CEFIA Holdings LLC (or other entity owned directly or indirectly by the Green Bank), will initially own the Systems and enter into EPC contracts with the selected Contractor. 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 site-specific PPAs with each applicable State Agency (“Agency” or “Agencies”). The Green Bank will conduct a separate RFP for financing and ownership of the Systems. The Green Bank is working with CSW Energy to co-administer this RFP.

#### IV. SCOPE OF SERVICES AND PROJECT INFORMATION:

##### 1. Site Locations

**Table 1: Site Information**

<b>RFP Exhibit A Site Reference</b>	<b>State Agency*</b>	<b>Site Name</b>	<b>Site Address</b>	<b>Installation Type</b>	<b>LREC/ZREC Size (kWac)</b>
S107A	CT Technical Education and Career System (CTECS)	Henry Abbott Technical High School	21 Hayestown Ave, Danbury, CT 06811	Carport	450
S104B	CT Technical Education and Career System (CTECS)	H.H. Ellis Technical High School	613 Upper Maple St, Danielson, CT 06239	Roof & Carport	700
S108A	CT Technical Education and Career System (CTECS)	Howell Cheney Technical High School	791 Middle Turnpike W, Manchester, CT 06040	Carport	550
S110A	CT Technical Education and Career System (CTECS)	W.F. Kaynor Technical High School	43 Tompkins St, Waterbury, CT 06708	Roof	300
S111C	CT Technical Education and Career System (CTECS)	A.I. Prince Technical High School	401 Flatbush Ave, Hartford, CT 06106	Roof	500
S105A	CT Technical Education and Career System (CTECS)	Eli Whitney Technical High School	100 Fairview Ave, Hamden, CT 06514	Roof	630
S105B	CT Technical Education and Career System (CTECS)	Eli Whitney Technical High School	100 Fairview Ave, Hamden, CT 06514	Carport	100
S100-G	Department of Energy and Environmental Protection (DEEP)	Quinebaug Fish Hatchery	145 Trout Hatchery Road, Plainfield, CT 06374	Ground	999
S120A	Department of Transportation (DOT)	DOT Headquarters	2800 Berlin Turnpike, Newington, CT, US, 06111	Ground & Carport	1980

S124A*	Department of Transportation (DOT)	CT Transit Hamden - System 1	2061 State St, Hamden, CT 06517	Roof	500
S124B**	Department of Transportation (DOT)	CT Transit Hamden - System 2	2061 State St, Hamden, CT 06517	Roof	500
S103A	CT Technical Education and Career System (CTECS)	Emmett O'Brien Technical School	141 Prindle Ave, Ansonia, CT 06401	Roof	742
S101	Department of Energy and Environmental Protection (DEEP)	Portland Depot	163 Great Hill Road, Portland, CT 06480	Ground	100
S102	Department of Energy and Environmental Protection (DEEP)	Marine Headquarters	333 Ferry Road, Old Lyme, CT 06371	Roof	100

\* Actual secured ZREC is 940kWac, but Proposers shall not submit a size greater than 500 kWac.

\*\* Actual ZREC Size is 510kWac, but Proposers shall not submit a size greater than 500 kWac.

**2. System Sizing and RECs**

The Green Bank commissioned an evaluation of each Site in order to determine a proposed System size, identify the location of the proposed Systems, and the location(s) of existing electrical equipment. ZRECs and/or LRECs have been secured for each Site. Table 1 above identifies the Exhibit Site ID, Site name, LREC/ZREC System size and installation type. Unless otherwise noted the Proposers shall submit a proposed site plans, System sizes and pricing to maximize the LREC/ZREC size.

The ZREC application and posting of the performance assurance will be performed by the Green Bank. Refer to the respective Site Reports within the Exhibits for information such as annual consumption and useable areas for development of proposed system size.

A Site Exhibit has been created which highlights the overall facility layout and conceptual design which identifies the areas suitable for System installation, the electrical service location, the utility meter location, existing electrical equipment information, photographs of the electrical equipment and any site-specific special conditions. In addition, each Exhibit includes existing Site utility plans made available by the respective State Agencies for the carport and ground-mount Sites. When available a copy of the existing roof warranty is also included in the Exhibit for rooftop mounted systems.

Proposers' layouts are not required to match the conceptual designs shown in the Exhibits. The intent of the conceptual design is to identify useable areas. Unless noted otherwise the Proposers' layouts may extend beyond the limits of the conceptual design footprint as long as consideration for existing conditions has been taken.

**3. FM Global**

All Sites are insured by FM Global. Therefore, Proposers are responsible for incorporating any FM Global required specifications into their designs, and for all coordination and approvals required by FM Global. This must be reflected in the submitted Pricing.

**4. Utility Interconnection**

The awarded Proposer will be fully responsible for the interconnection application process with the utility company for each awarded System. This includes but is not limited to the riser diagram, Site plan, application and the standard application fees. In the event the utility company determines an impact study is required, the cost of this study will be covered by the Green Bank.

**5. Design and Permitting**

The awarded Proposer shall develop a fully engineered system compliant with all applicable regulations, codes and requirements, including all building and electrical codes, zoning regulations, DEEP regulatory requirements, industry best practices and utility company interconnection requirements. The awarded Proposer is responsible for acquiring all necessary permits from governing agencies, and for the payment of applicable fees. It is the responsibility of the Proposers to understand all applicable codes, permit requirements, regulations and fees. This must be reflected in the submitted bid prices.

All Sites within the portfolio of projects are located on State Owned properties. For these properties permitting occurs at the state level through the Department of Administrative Services and the Office of the State Building Inspector.

**6. Electrical Design**

The electrical plans must identify the point of interconnection and the method for connecting the Systems into the existing electrical service equipment of each facility. If an electrical service upgrade is required the electrical plans must show the new equipment specification, the proposed location, means of connecting the existing electrical switchgear and any demolition work required. The location of all new equipment such as combiner panels, disconnect switches, meter, etc. must be included in the plans. These equipment locations must be reviewed with the facility manager prior to installation. Include details and specifications on modules, inverters, data acquisition system, balance of system electrical components, labeling, wire management protocols, housekeeping pads and trenching.

**7. Data Acquisition System**

The data acquisition system shall allow for remote performance monitoring of each System's Real Power (kW), Energy (kWh), Voltage (V), Amperage (A), Power Factor,

Irradiance, Ambient Temperature and Module Temperature. Table 2 below provides additional monitoring requirements based on the System's size.

**Table 2: Monitoring Platform & Weather Station Specifications**

<b>System Size</b>	<b>Monitoring Platform</b>	<b>Weather Station Spec &amp; Parameters</b>
>325 kW-AC	PowerTrack	Lufft WS601-UMB Smart Weather Sensor and IMT Module Temp Sensor (Tmodul485 w/ 3M Cable)
≤ 325 kW-AC	PLCS400	Apogee SP-110 Pyranometer; IMT Module Temp Sensor (TModule485 w/ 3M Cable)

The data acquisition system must be equipped for cellular communication. All associated equipment and startup cost for the cellular communication are the responsibility of the awarded Proposer. The recurring payments for service will be paid by the Green Bank or the system owner.

**8. Production Display**

A flat panel (minimum size of 42") display connected to the data acquisition system shall be mounted on a wall within the Site's lobby. The awarded Proposer is responsible for providing the display, mounting device and hardware, power and internet feeds. Exact location for mounting shall be identified by facility personnel. Access to historical and live production data must be granted to the respective State agency.

**9. CTECS Education Requirements**

The Connecticut Technical Education Career System has a mission to provide a world-class, unique and rigorous learning environment for high school students. This includes engagement with regional, state, national and international employers and industries in a vibrant collaboration to respond to current, emerging and changing global workforce needs and expectations. As such the CTECS program asks that Proposers provide an educational component to the Projects. It is expected that students will be given the opportunity to tour and observe both the active construction and completed carport and rooftop mounted solar Projects at each of the Sites. Such tours shall be guided by team members of the awarded Proposers explaining the various stages of the project from design to mobilization to site work, mechanical installation and electrical installation. Once the Projects have been energized the awarded Proposers shall provide a

presentation to faculty and students explaining an overview of the Project and the data gathered and displayed in the production monitors.

#### **10. Roof Mounted Systems**

The following requirements are specific to the roof mounted Systems:

A structural analysis must be performed to quantify the available capacity of the roof to support the installation of the System. The structural analysis shall be used to develop a fully engineering racking design for mounting of the solar modules. This structural analysis is the responsibility of the awarded Proposer for all Sites except DOT Hamden (Site ID S124A & S124B).

For the DOT Hamden Site (Site ID S124A & S124B) a structural analysis was performed by CMars Engineering. The structural capacity of the roof will be made available to the Proposers through the relative Site exhibit. The structural engineer, CMars Engineering, will review the Bidder's racking design to verify that System is within the allowable structural capacity. CMars Engineering will not review the plans for uplift analysis. This is the responsibility of the awarded Bidder and their racking vendor. As necessary for permitting, CMars Engineering will issue a letter for the local building official stating the findings of their structural analysis.

For the DOT Hamden Site (Site ID S124A & S124B) the Site reports depict subarrays covering existing walk pads. Due to the limited number of areas with excess structural capacity these walking pads can be covered. The awarded Proposer shall provide an install replacement walk pads in areas outside of the subarrays. The walk pads shall be an equivalent product compliant with the existing roofing membrane specifications.

Proposer is responsible for installation and assembly of racking components, mechanical attachments, ballasting and mounting of modules.

Any active roof warranties must remain in effect after the installation of the Systems. It is the responsibility of the awarded Proposer to secure an overburden waiver Coordination and communication with the roofing manufacturers as well as fees associated with any required roof inspection necessary to secure an overburden waiver are the responsibility of the awarded Proposer.

Slip sheets or a sacrificial layer of roof membrane must be installed under any and all points of contact with the existing roof and the solar equipment. This includes but is not limited to racking components, conduit support blocks, inverter and panelboard mounting structures.

Conduits routed along the exterior wall of the building shall be painted to match the exterior.

Where necessary to protect ground mounted equipment from vehicular traffic, protective bollards shall be provided and installed.

**11. Roof Mounted Systems – Lightning Protection**

If any site has an existing lighting protection system the rooftop mounted solar equipment must be bonded to the lighting protection system. The work must be performed in a manner that maintains the UL certification of the existing lighting protection system. It is the responsibility of the awarded Proposer for all work and/or fees associated with lightning protection.

**12. Roof Mounted Systems – Roof Warranties**

Any active roof warranties must remain in effect after the installation of the Systems. It is the responsibility of the awarded Proposer to secure an overburden waiver from the roof warranty holder following completion of the System install. The awarded proposer shall coordinate with the roofing manufacturer, schedule any inspections and pay associated fees as necessary to secure the overburden waiver.

Materials used for slip sheets and attachments must meet the specification of the roof warranty holder.

The CTECS Sites have had a preemptive roof inspection performed. Any corrective measures identified during these inspections will be completed prior to the start of the solar installations. These corrective actions will be paid for by CTECS, and is not the responsibility of the awarded Proposer.

**13. Ground Mounted System**

The following requirements are specific to the ground mounted Systems:

A civil site plan shall contain survey results, along with erosion control measures, site grading and clearing limits, module array layout, vegetative buffers, location of electrical equipment, concrete pads, bollards, construction entrances, staging areas and trench path. Proposer is required to perform a Class D survey and the Licensed Area (solar location) is done to ALTA survey standards. A Phase 1 ESA is also a requirement for each Site.

A construction entrance shall be provided and consist of a permanent gravel access path from the nearest drive lane through the solar array gates and end at the location of the electrical equipment inside of the fenced solar array. The end of the gravel access path shall be arranged such that a maintenance vehicle can turn around. The exact locations of this access path shall be reviewed and approved by the CT Green Bank and the Site representative.

As part of the design phase, it is the responsibility of the awarded Proposer to perform Call Before You Dig and conduct an underground survey to identify any and all existing utilities. The locations of such utilities shall be reflected on the design and must be taken into consideration when locating the carport foundations, trench routes and any other Site work activities.

The design package shall include materials necessary to understand soil conditions on-site. This information may include a geotechnical report and pull out test report as deemed necessary to develop a fully engineering racking system.

The racking system shall maintain a two-foot minimum distance to the ground from the lower edge of the modules. The racking system shall be fixed tilt with an angle between 20 degrees and 30 degrees.

**14. Fencing Specifications**

Proposers are responsible for providing a galvanized chain-link fence that fully encloses the ground mounted array and any electrical equipment located adjacent or within the array. The minimum height of the fence shall be 6 feet, and it must include one double swing access gate with a minimum width of 12 feet. The drop bar locking device for the gate must be provided with a footing of concrete and provided with a hole to receive the locking bar. A heavy-duty padlock with two keys must be furnished by the Contractor for each gate. Chain link fence posts must be spaced in line of fence not further than ten feet on center. Intermediate or line posts, may be driven by mechanical means. All fence end posts and corner posts must be set in concrete. Fabric must be fastened to the end of the gate frames by tension bars and tension bands, and to the top and bottom of the gate frames by tie wires.

**15. Carport System – Design Standards**

Equipment such as inverters and disconnects within the carport area shall be mounted at heights to discourage and prevent tampering and vandalism.

Any electrical equipment mounted on the ground level within the parking area such as combiner panelboards, switchgear, transformers, etc shall be fenced.

A snow rail shall be provided and installed on the lower edge of the carport structure in order to mitigate shedding of snow and ice from the carport. The awarded Proposer shall provide a maintenance plan to the Site representative to that outlines when snow and/or ice removal is necessary and the proper procedures.

The carports shall be standard galvanized steel, painting and/or powder coating is not a requirement.

A geotechnical analysis shall be performed as necessary to determine existing subsurface conditions during the design of the carport structure.

As part of the design phase, it is the responsibility of the awarded Proposer to perform Call Before You Dig and conduct an underground survey to identify any and all existing utilities. The locations of such utilities shall be reflected on the design and must be taken into consideration when locating the carport foundations, trench routes and any other Site work activities.

**16. Carport System – Minimum Heights**

All carport structures have a minimum height clearance of 10 feet for all CTECS Sites.

The carport structures shall have a minimum height clearance of thirteen (13) feet for all DOT Sites.

A placard shall be adhered at either end and in the center of each carport row which identifies the clearance height.

**17. Carport System - Site Lighting**

Any existing Site lighting that will interfere with the proposed locations of the solar carport structures shall be demolished. This includes the removal of the fixture, post, lamps, above ground portions of the concrete footings, conduit and conductors. Existing underground conduits shall be abandoned in place or utilized for new under canopy lighting. Existing Site lighting fixtures, posts and lamps shall be turned over to the Site representative. If the Site representative determines the existing fixtures are not needed then it is the responsibility of the awarded Proposer to properly dispose of the equipment.

The awarded Proposer is responsible for providing and installing new under canopy Site lighting where necessary to replace demolished existing Site lighting or where necessary to achieve code required lumen levels for parking areas. New under canopy Site lighting must be LED, rated for outdoor conditions, and shall be connected to the existing lighting control circuit of the facility. The proposed new under canopy fixture shall be approved by the Site representative prior to installation. A Site lighting plan must be included in the awarded Proposers final design that shows the achieved lumen levels within the parking area.

**18. Carport System – Construction and Phasing**

The awarded Proposer shall develop a construction phasing plan that identifies staging areas, impacted parking areas and the duration that each parking area will not be useable. This construction phasing plan must be presented to the Site representative. The awarded Proposer shall coordinate with the Site representative so the facility can develop a temporary parking plan to account for these disruptions.

The awarded Proposer is responsible for returning the Site to original conditions following completion of the install. This includes but is not limited to repair of any asphalt or concrete disturbed or excavated, reseeding, and restriping the parking areas.

**19. Tree Removal**

Proposers shall develop a proposed solar array layout that takes into consideration any existing trees that may have a shading impact on production. The footprint of the array shall be designed to minimize the need for tree removal. However, If the Proposer determines that tree removal is necessary then they must identify the exact trees to be trimmed and or removed in their bid package and include this cost in their submitted price.

The awarded Proposer shall remove the tree(s) without damaging any surrounding utilities or structures. Remove all trunks, treetops, branches and limbs from the Site and grind the remaining stump below the surrounding grade. Grinding debris shall be removed from the hole and cannot be used as fill. Holes where stumps have been ground out shall be backfilled and smoothed to the level of the adjoining grade with topsoil and seeded.

See exception below for site where tree removal shall be provided by others:

DOT HQ (Site ID 120A): The CT Dept. Of Transportation will be responsible for tree removal in the areas of the proposed ground mount, and within the parking lot where carports are depicted in the provided Site report. Awarded Proposer shall coordinate with the DOT directly in order to finalize the plan for tree removal.

**20. Construction**

Awarded Proposer shall supply all equipment, materials, and labor necessary to install turnkey operational Systems that interconnect into the electrical services of each facility, and generate electricity in line with the proposed production values. Proposer is responsible for establishing a staging area, coordinating material delivery, storage and Site security. Staging areas must be reviewed with facility managers ahead of Site mobilization. All work shall be performed by tradesmen holding adequate licensing.

**21. Site Work & Mechanical Installation**

Proposer shall establish limits of disturbance and necessary erosion control prior to commencement of work. Then stake out areas for clearing, trench path, and fence location. Review the stake out area with the applicable facility manager prior to commencing work.

Proposer shall perform all necessary Site work such as erosion control, Site clearing, tree removal, grading, trenching, concrete pad work, seeding and fence installation. All debris shall be removed from the property at end of project by the Proposer, and disturbed areas shall be graded and reseeded.

Proposer is responsible for installation of racking posts, assembly of racking components and mounting of modules.

**22. Electrical Installation**

Furnish a complete and operational electrical system. This includes mounting and wiring equipment such as modules, inverters, rapid shutdown devices, combiner boxes, panelboards, disconnect switches and meters. Review location of any equipment to be mounted in or on the building exterior with the facility representative prior to start of work. Interconnect each system into the appropriate electrical service equipment.

As identified on the Site report several facilities have an emergency backup generator that provides power to the entire Facility in the event the utility power is offline. For these Sites the System must be interconnected in a method that prevents operation of the System's inverters during operation of the emergency generator. This can be achieved by selecting a point of interconnection on the line side of the existing automatic transfer switch or by means of communication between the automatic transfers switch and the System inverters.

**23. Facility Shutdowns for Interconnection**

The awarded Proposer will have the opportunity to visit each facility in order to prepare a shutdown and interconnection plan and schedule. The final interconnection of the Systems into the electrical service must be coordinated with and approved by the facility representative prior to commencement of any work. All efforts should be taken to minimize the impact on the facility's operation. This includes having all materials necessary to perform the interconnection on-site prior to start of the shutdown procedure. Shutdowns may be required outside of normal business hours.

**24. Commissioning**

The awarded Proposer is responsible for commissioning of the project to confirm installation is in accordance with construction documents and compliant with all applicable building codes. Performance testing of the system shall be done to validate generation is consistent with production modeling. The performance testing procedures are included in Schedule #7 of Exhibit D, and are in accordance to *ASTM E2848-13, Standard Test Method for Reporting Photovoltaic Non-Concentrator System Performance*.

The awarded Proposer shall review commissioning procedures and associated schedule with the facility manager and Green Bank. Refer to Schedule #14 of Exhibit D for commissioning protocols. This commissioning Form must be completed as part of the close-out process and submitted to the Green Bank as part of the final commissioning report for each System. Upon completion of commissioning the awarded Proposer shall hand over a commissioning report that includes testing results, As-Built PDFs, product data sheets, access to the data acquisition system platform, manuals and product warranties

**25. Approval to Energize**

The awarded Proposer is responsible for all utility coordination, testing requirements and associated fees necessary to achieve approval to energize and an executed interconnection agreement. The awarded Proposer is responsible for all Approval to Energize activities regardless of whether or not an interconnection application was submitted by the Green Bank or the awarded Proposer.

**26. Background Checks**

The awarded Proposer will be required to comply with any Agency required background checks.

**V. PROPOSAL REQUIREMENTS**

Each Proposer shall carefully examine the RFP and any and all amendments, exhibits, revisions, and other data and materials provided with respect to this RFP process. The requirements outlined here is not a full list of requirements of the EPC contract. Proposers should familiarize themselves with all requirements in that contract prior to submitting their proposal. Should the bidder note any discrepancies, require clarifications or wish to request interpretations of any kind, the bidder shall submit a written request to RFP@ctgreenbank.com. Green Bank shall respond to such written requests in kind and may, if it so determines, disseminate such written responses to other prospective Proposers.

Any proposal should include the following elements:

**1. Proposer Qualifications**

The Proposer shall include the following:

*Corporate*

Company overview and relevant experience, which shall include at a minimum (A) the number of employees, (B) the office locations, (C) and an outline of operational assets showing project locations and system sizes.

*Team*

1. Highlight key personnel and subcontractors who will be assigned to this project.
2. Describe their respective experiences and skills with the development, engineering and installation of similar projects.
3. Highlight the relevant licenses and certifications held by these key personnel.

*Project Experience*

1. Provide track record of actual annual generation relative to projected generation within the Proposer's operational assets (if applicable).
2. Outline approach Proposer takes to ensure the installed Systems meets the projected generation values.

*Preferred qualifications*

1. Years of experience – five years preferred
2. MWs installed – ten MWs installed, with history of at least three 1+ MW systems

**2. Project Scope and Schedule**

Include a general scope of the work the Proposer intends to provide upon selection and execution of an EPC agreement. The scope narrative shall outline all major tasks and milestones necessary to design, permit, coordinate with utility company, mobilize, construct and commission the project. Proposals should include a complete project schedule indicating major project milestones and durations, such as engineering, construction, and siting council approval, where applicable.

Project schedule should seek to minimize ZREC losses based DTSDs. Proposer shall confirm in writing their review, approval and ability to sign the EPC Agreement presented in Exhibit without requiring any changes or modifications.

**3. System Design and Equipment**

Proposals shall provide a design layout for each System, including the make/model, wattage and quantity for both inverters and modules, racking product, azimuth, tilt and system size kW-AC and kW-DC, and the DC:AC ratio. Proposals shall provide specified equipment manufacturer data sheets and warranties, pricing, etc. All solar modules, racking systems, inverters, data acquisition systems and other equipment shall be new with acceptable warranties that meet industry standards for Tier 1 equipment, are listed on the Approved Vendor List in Exhibit B and are UL Listed. The proposed equipment must be included using the form in Exhibit C with any proposals.

The DC:AC ratio of any proposed system shall not exceed 1.5

**4. System Production**

Proposals shall provide details about the estimated kWh-AC to be generated by the Systems, including all necessary assumptions, for example: Insolation (or sunlight availability), maintenance down time, soiling losses, shading losses, efficiency losses, AC losses, etc. Copies of PVSyst or Helioscope reports used to estimate production for each proposed solar system design should be included with the proposal.

**5. Pricing**

Proposal submission pricing must be submitted in the format outlined and provided in Exhibit C.

**6. Evaluation Criteria**

Proposals will be scored on the criteria outlined in Table 3.

**Table 3: Evaluation Criteria**

<b>Evaluation Criteria Breakdown</b>	<b>Points</b>
<b>Completeness of Response to RFP(Pass/Fail)</b>	
ALL required schedules, forms and informational items have been submitted.	<b>Pass/Fail</b>
<b>A. Proposer Qualifications &amp; Experience</b>	<b>20 Points</b>
Financial stability and ability to execute	<b>0-7</b>
Team (organizational) qualifications and strengths	<b>0-10</b>
Strength and relevance of references	<b>0-3</b>
<b>B. Technical Proposal</b>	<b>20 Points</b>
Completeness and quality of technical documents	<b>0-12</b>
Product selection and specifications	<b>0-4</b>
Production modeling	<b>0-2</b>
<b>C. Project Costs</b>	<b>40 Points</b>
EPC bid completeness and details	<b>0-40</b>
<b>D. Implementation Plan and Schedule</b>	<b>15 Points</b>
Project plan and schedule	<b>0-10</b>
Description of staffing and labor rate plans	<b>0-5</b>
<b>E. Contract Terms &amp; Conditions</b>	<b>5 Points</b>
Conformance with RFP contract language and unique contracting requirements	<b>0-5</b>
<b>TOTAL</b>	<b>100 Points</b>

**7. Hold Harmless Provision**

The selected Contractor, and any of its subcontractors, shall enter into a Release, Hold harmless and Indemnification Agreement, substantially in the form attached as Schedule #22 of Exhibit D.

**8. Prevailing Wage; Standard Wage**

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.

Please see the prevailing wages for new construction:  
<https://www.ctdol.state.ct.us/wgwkstnd/prevailwage.htm>

Questions concerning the provisions and implementation of this act should be referred to the Connecticut Department of Labor, Wage and Workplace Standards Division, 200 Folly Brook Blvd., Wethersfield, CT 06109-1114 (860) 263-6790 or his designated representative. A link to the Standard Wages is provided below. *Although not a requirement for this RFP, please set forth any experience with Connecticut prevailing wage requirements.*

**9. Insurance**

The selected Contractor shall at all times during the performance of the Work and the duration of this Agreement maintain insurance as outlined in section 3.9 of Exhibit D.

**10. Liquidated Damages**

Selected Contractor shall agree to the liquidated damages outlined in section 6.4 of Exhibit D.

**11. System Performance Guarantee**

The selected contract shall provide a system performance guarantee as outlined in Schedule #7 of Exhibit D.

**12. References**

Provide three (3) clients for reference use for whom Contractor has performed similar services as those contemplated by this RFP. Include the name and telephone number(s) of the contact person at each reference.

**13. Statement on Proposers Financial Strength**

Preference is for Proposer to provide three years of audited financial statements and/or last three years tax returns

**14. Pending Litigation**

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.

## VI. PROPOSAL PROCESS

### 1. Timeline

<b>Date</b>	<b>Key RFP Milestone</b>
<b>June 28, 2021</b>	RFP Release Date
<b>Until July 23, 2021</b>	Question Period
<b>July 7, 2021</b>	Site Visits for Group 1
<b>July 8, 2021</b>	Site Visits for Group 2
<b>July 9, 2021</b>	Site Visits for Group 3
<b>August 6, 2021</b>	RFP Submissions Due

### 2. Submittal Process

If Contractor is interested in submitting a proposal, the following requirements should be observed:

- a. Proposals must be received no later than 5pm ET on Friday, August 6, 2021. Proposals received after the aforementioned date and time may not be considered in Green Bank's sole discretion.
- b. 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 Solar Projects".
- c. Contractors may be required to interview with Green Bank staff if deemed necessary.

### 3. Site Visit

A non-mandatory Site visit will be held at each location. The exact site visit schedule will be made available as an addendum following the release of the RFP. Any attendees to the site visit shall follow the facility's COVID-19 protocols. It is encouraged that only one person per company attends the site visit in order to minimize the number of persons entering the facility.

Group Number	Agency	Total Sites	Total Distance/Hours
1	<a href="#">CTECS (- Ellis) Google Map</a>	6	2.1 hours - 90 miles
2	<a href="#">DEEP (+1 CTECS) Google Map</a>	4	1.5 hours - 80 miles
3	<a href="#">DOT Google Map</a>	2	1 hour - 35 miles

Group Number	Agency	Site Name	Address
1	CTECS	Henry Abbott Technical High School	21 Hayestown Ave, Danbury, CT 06811
1	CTECS	Howell Cheney Technical High School	791 Middle Turnpike W, Manchester, CT 06040
1	CTECS	W.F. Kaynor Technical High School	43 Tompkins St, Waterbury, CT 06708
1	CTECS	A.I. Prince Technical High School	401 Flatbush Ave, Hartford, CT 06106
1	CTECS	Eli Whitney Technical High School	100 Fairview Ave, Hamden, CT 06514
1	CTECS	Emmett O'Brien Technical School	141 Prindle Ave, Ansonia, CT 06401
2	CTECS	H.H. Ellis Technical High School	613 Upper Maple St, Danielson, CT 06239
2	DEEP	Quinebaug Fish Hatchery	145 Trout Hatchery Road, Plainfield, CT 06374
2	DEEP	Portland Complex	163 Great Hill Road, Portland, CT 06480
2	DEEP	Marine Headquarters	333 Ferry Road, Old Lyme, CT 06371
3	DOT	DOT Headquarters	2800 Berlin Turnpike, Newington, CT, US, 06111
3	DOT	DOT Hamden	2061 State St, Hamden, CT 06517

### 4. Q&A Period

Any questions must be submitted by Friday, July 23, 2021 to [RFP@ctgreenbank.com](mailto:RFP@ctgreenbank.com). Answers will be distributed to all Proposers.

## VII. GENERAL TERMS AND CONDITIONS

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

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. 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.
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.
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.
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.
6. Contractor will execute a Solar EPC Agreement as set forth in the attached Exhibit D. If the Contractor does not agree with any of the specific terms set forth in the Solar EPC Agreement, the Contractor must set forth such terms and rationale in your response to this RFP.

**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.**

**EXHIBIT A**

**SITE REPORTS AND AVAILABLE DETAILS**

**EXHIBIT B**

**APPROVED VENDOR LIST**

**EXHIBIT C**

**COVER SHEET AND BID FORM**

**EXHIBIT D**

**EPC CONTRACT TEMPLATE**