

Request for Proposals:

Solar Array Microgrid Installation

PROPOSALS DUE BY: October 31st, 2022

BRITE Energy Innovators
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Warren, OH 44481
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Company Background

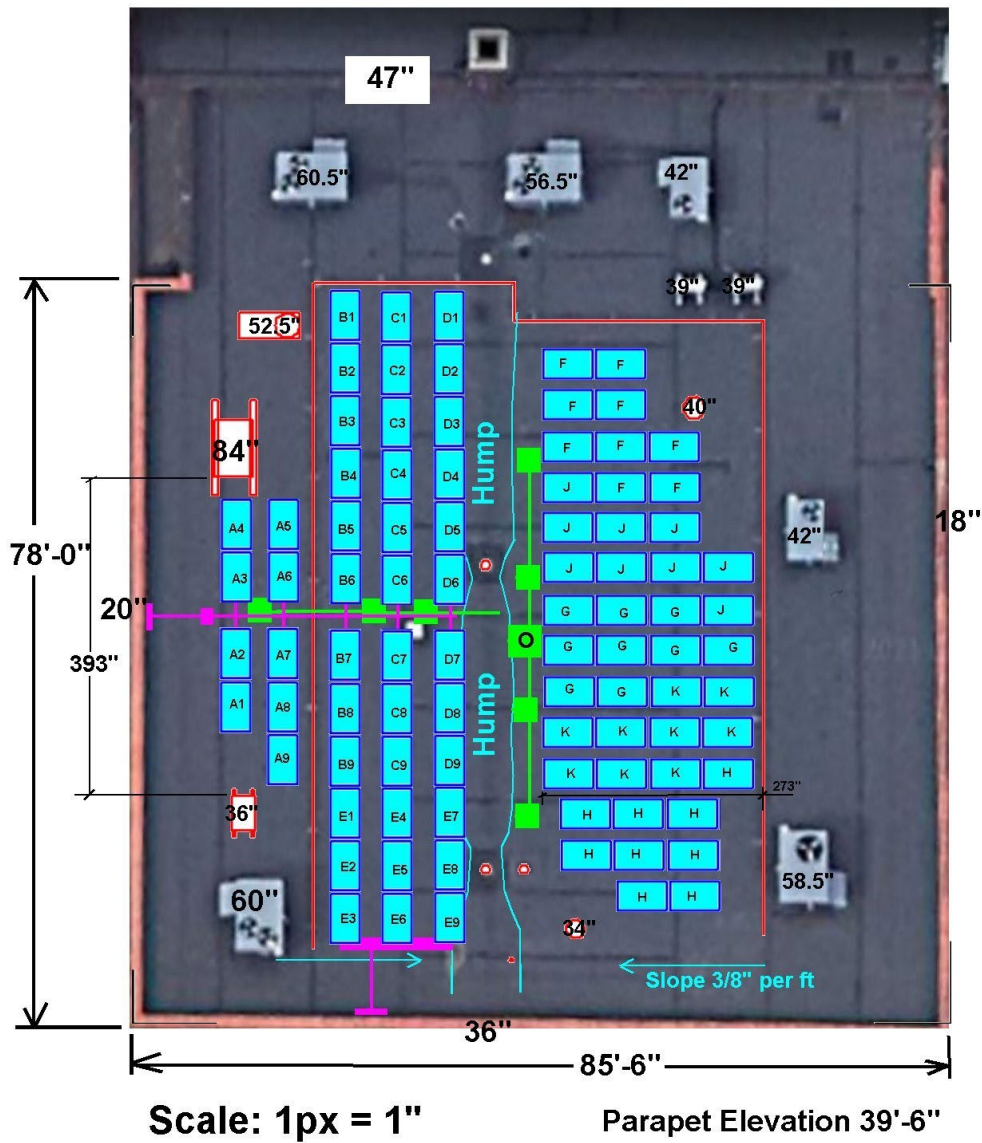
The Tech Belt Energy Innovation Center, Doing Business As BRITE Energy Innovators, or BRITE, empowers founders launching energy technology solutions. The 501c3 nonprofit works with energy technology startups across Ohio and Appalachia through its Entrepreneur Program, Lab Services and Innovation Services. Founded in 2010, the organization completed a major restoration of a historic storefront on Courthouse Square in Warren, Ohio in late 2014.

Project Overview

BRITE received funds through the State of Ohio and the Economic Development Administration to support the installation of a solar array system with battery storage for supporting the testing needs of startups and companies working on new energy storage and electrification technologies. BRITE seeks a vendor to provide custom designed system to complete the microgrid that includes a solar array, battery storage, power management and control system. BRITE is landlocked in it's location, limiting the solar array to the footprint of the roof and the installation of systems in the warehouse and lab.



Current state of BRITE Labs Roof



Proposed Layout of Solar Array on BRITE Labs Roof. Dimensions Included, however, panel layout is not intended to be considered final.

Project Goals

The goals of this project include:

- System must operate with 2-way net metering to offset energy use at the BRITE facility
- System must operate as a backup power source for client testing within BRITE Labs
- Prioritize American Made products

Scope of Work

Task 1: Determine and propose hardware

- Photovoltaic solar array to be installed for power generation
- Energy storage battery system to be installed to retain power
- Include two-way net metering to be installed to monitor energy displacement from BRITE facility usage.
- Include inverter from Direct Current to Alternative Current for power use within the lab to run client experiments in event of loss of power from macro-grid.

Task 2: Determine required permits, interconnection agreements with central energy providers and any other regulatory approvals.

Task 3: Propose site preparation, installation and commissioning timeline.

Task 4: Install and commission hardware for use and application.

Task 5: Provide monitoring and performance visibility throughout the term of the service and warranty of the equipment.

Target Deliverable Schedule

<i>RFP Open & Question Period</i>	<i>September 23rd, 2022</i>
<i>Proposals Due</i>	<i>October 31st, 2022</i>
<i>First Round Evaluation</i>	<i>November 4th, 2022</i>
<i>Interviews</i>	<i>November 11th, 2022</i>

<i>Recommendation to the Board</i>	<i>November 16th, 2022</i>
<i>Vendor Announced</i>	<i>November 21st, 2022</i>
<i>Finalize Agreement</i>	<i>December 9th, 2022</i>
<i>Scope Begins</i>	<i>January 1st, 2023</i>
<i>Scope Completed</i>	<i>March 31st, 2023</i>

Final Project Due: The expected project completion date is March 31st, 2023. If this date needs to be adjusted, please include your readjusted proposed date, as well as your reasoning for shifting the schedule. All proposed date changes will be considered.

Existing Roadblocks or Technical Issues

- BRITE is a lean nonprofit organization that receives payment through reimbursement for services rendered. Upfront payment is unlikely.
- Understanding of supply chain challenges and labor shortages increasing pricing.

Budget Constraints

A target budget for this scope of work is up to \$125,000 in hardware and \$30,000 in design, engineering and installation. BRITE is a tax-exempt non-profit organization.

Evaluation Metrics

BRITE will evaluate proposals based on the following criteria:

Completeness of Responses to RFP (Pass/Fail)	
1. All information requirements submitted	Pass/Fail
Proposal Qualifications & Experience	
2. Team (organizational) qualifications and strengths for all partners. Strength of assigned team members years of prior experience in technical, project management and demonstrated track record	Up to 5 Points.
3. Strength and relevance of references per RFP submittal requirements. Minimum 3 references for successfully completed projects of similar size.	Up to 5 Points.
4. Installer safety record; claims history and judgments; and worker's compensation experience modification rating from the past 3 years, and safety plan for this project.	Up to 5 Points
Technical Proposal	
Completeness and quality of technical documentation. Preliminary system design is appropriate for site needs and accounts for site conditions.	Up to 10 Points.
Project Costs	
Within budget parameters.	Up to 15 Points.
Implementation Plan & Schedule	

Project plan and schedule account for RFP submittal requirements, complexity of project and demonstrates methodology for management	Up to 10 Points.
Contract Terms & Conditions	
Conformance with contract language and unique contracting requirements included in RFP specifications and Exhibits providing maximum value and lowest scheduling, performance and cost risk. Suitability of proposed bidder contract template documents to meet RFP requirements.	Up to 10 Points.
	Up to 60 Points.

Submission Requirements

Bidders must adhere to the following guidelines to be considered:

- Proposals must be sent in by October 31st, 2022.
- Only bidders who meet all 5 components in the evaluation section should submit a proposal. Please answer them separately.
 - Proposal Qualifications & Experience
 - Technical Proposal
 - Project Cost
 - Implementation Plan & Schedule
 - Contract Terms & Conditions

Contact Information

For questions or concerns connected to this RFP, we can be reached at:

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 (330) 395 3500