

CBP Multi-Site Photovoltaic and Battery Backup Bundle Projects
Statement of Work (SOW)



July 10, 2023

Reference:

Purchase Request 20139082 / Acquisition Planning Forecast System # P2023062995 (07/07/2023)

FOR:

CBP Multi-Site Photovoltaic (PV) and Battery Energy Storage System (BESS) Projects

From:

U.S. Department of Homeland Security (DHS)

U.S. Customs and Border Protection (CBP)

Enterprise Services (ES)

Office of Facilities and Asset Management (OFAM)

Operational Support Facilities Division (OSFD)

I. INTRODUCTION AND BACKGROUND:

- 1.1 CBP OSFD requires a Contractor to provide complete design and construction services of Multi-Site Photovoltaic (PV) and Battery Energy Storage System (BESS) Projects including electrical, sitework, asphalt, concrete, bollards, and other General Contracting work at five locations (see # 8 – Place of Performance).
- 1.2 This SOW and related documents shall serve as mandatory minimum requirements.
- 1.3 The facilities were selected as a part of a pilot program for Photovoltaic (PV) and Battery Energy Storage System (BESS) Projects.
- 1.4 These projects will enhance facility resilience by providing extended operating time during grid outages with reduced emergency combustion generator use and fuel delivery requirements.
- 1.5 The requirement's purpose is to enhance facility sustainability through displacing grid energy use, thus reducing pollutant and Greenhouse Gas Emissions (GHG) and reducing cost of energy purchases.

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2. OBJECTIVES:

- 2.1 The objective of this requirement is the successful project installation and operation will reduce electricity required from serving utilities during normal daytime operations based on the scale of the SV and will reduce emergency generator use during grid outages around the clock through the solar and battery backup hybrid power system operating mode.
- 2.2 The battery system may also provide utility electricity cost savings through energy shifting to take advantage of favorable time of use rates or reduced demand charges where available.

3. SCOPE:

- 3.1 The contractor shall perform multiple construction requirements including, but not limited to, electrical, sitework, paving, bollards, and other General Contracting work.
- 3.2 Contractor selected to perform the design work for CBP sites for PV&BESS will begin with collecting data from each site to support scoping and design work, including but not limited to:
 - 3.2.1 Identify priority missions and electrical loads, and specific energy supply performance requirements,
 - 3.2.2 Electrical load history, with at least one year of hourly data,
 - 3.3.3 Reliability history,
 - 3.3.4 Projected load growth,
 - 3.3.5 Site electrical infrastructure,
 - 3.3.6 Electric utility rate schedule(s) and/or fuel costs, and
 - 3.3.7 Communications/control infrastructure.

4. TASKS:

- 4.1 The Contractor shall produce a Work Schedule for approval by the COR. The schedule shall be of sufficient detail to show the coordination between trades. The schedule shall show dates for long lead submittal materials, delivery of major procurement items, and installation dates. The Contractor shall update and issue this schedule bi-weekly.
- 4.2 The Contractor shall participate in bi-weekly teleconference coordination meetings with the COR and Program Manager.
- 4.3 The Contractor shall perform all work in the Plans and Specification superseded by the following changes/clarifications:
 - 4.3.1 The Basis-of-Design equipment is not a required model or brand; only the salient characteristics are required.

- 4.3.2 Submittals shall be in English, in electronic Portable Document Format (PDF or .pdf) file format; a “.pdf” is a multi-platform document created by Adobe Acrobat or other PDF application.

5. APPLICABLE DOCUMENTS/DELIVERABLES:

- 5.1 The Contractor will develop conceptual PV&BESS designs, technical and economic modeling, and implementation options for review/approval with CBP.
- 5.2 The Contractors will develop detailed design and construction documentation, including a proposal for operations, maintenance, and sustainment.
- 5.3 All submittals shall be provided through a Material Approval Submittal process and submitted to the COR, via e-mail, in PDF file format.
- 5.4 Submittal information shall relate specifically to the requirements, and components required for the work for the project and the Minimum Specifications document. The contractor shall provide submittal information for all materials to be utilized and installed as required per this SOW to the COR in PDF file format for review and approval. No work shall be performed, and no equipment or materials shall be ordered, prior to obtaining COR approval.
- 5.5 The Contractor shall allow the Government seven (7) calendar days (after receipt submittal information) for review of submittals.
- 5.6 Submittal information returned to the Contractor shall be corrected and resubmitted to the COR within five (5) calendar days of the Contractor’s receipt of returned submittal.
- 5.7 Failure, on the part of the Contractor, to provide acceptable submittal information within the time frames defined herein shall not be cause for a period of performance extension.
- 5.8 Pre-Construction Submittals.
- 5.8.1 Schedule of Values (SOV). The Contractor shall provide a sufficient breakdown of all unit costs related to individual tasks listed in this SOW. Manufacturer’s Warranty shall comprise 10% of the SOV.
- 5.8.2 The Contractor shall submit an Accident Prevention and Safety Plan.
- 5.8.3 Project Schedule. The Contractor shall provide sufficient detail to understand method of approach and milestone completion dates relating to the Project Schedule. The Project Schedule shall be in electronic format, preferably using established software such as Microsoft Project or other recognized industry standard software.
- 5.8.4 The Contractor shall furnish Non-Disclosure Agreements for all personnel with access to the jobsite or the plans.
- 5.8.5 The Contractor shall provide one (1) electronic copy of the manufacturer’s catalog cut sheets, product data, Safety Data Sheets (SDS), etc.
- 5.9 In-Progress Report Requirements.

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- 5.9.1 Daily Logs. The Contractor shall prepare daily logs including weather, work performed, trades and worker counts on site, issues, etc.
- 5.9.2 Daily Progress Photos. The Contractor shall provide three (3) daily progress photos, each day. Photos shall be in digital format and be of size and quality that when printed on 8 ½" x 11" stock can show the detail of the work. Photos shall be of a quality to adequately show progress of the work being executed and related activities.
- 5.10 Post-Construction Submittals.
 - 5.10.1 The Contractor shall furnish all manufacturer's warranties associated with the tasks specified in this SOW.
 - 5.10.2 The Contractor shall furnish all Operations and Maintenance documentation associated with the tasks specified in this SOW.
 - 5.10.3 All Post-Construction Submittals shall be provided by the Contractor and approved by the COR before final acceptance of completion of the tasks specified in this SOW.

6. GOVERNMENT FURNISHED EQUIPMENT (GFE):

There will be no GFE provided under this contract. CBP will not furnish any equipment or supplies, but the contractor may connect to CBP's power and water as required.

7. PERIOD OF PERFORMANCE (POP):

The POP shall be twenty-four (24) months from the date of contract award, plus demonstrated lead time for equipment and materials.

8. PLACE OF PERFORMANCE:

This contract's work shall be performed at five locations:

- 8.1 Air and Marine Operations Center, Riverside, CA
- 8.2 Advanced Training Center, Harpers Ferry, WV
- 8.3 Del Rio Border Patrol Station (BPS)/Sector HQ (SHQ), Del Rio, TX
- 8.4 Blaine BPS/SHQ, Blaine, WA
- 8.5 Boundary Forward Operating Base, Ajo AZ

9. CONTRACT ADMINISTRATION AND POINTS OF CONTACT (POC):

Notwithstanding the Contractor's responsibility for management during performance, the administration of this agreement will require coordination between CBP and the Contractor. The POCs are:

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- 9.1 CBP Program Manager: [REDACTED]
[REDACTED]
- 9.2 CBP Technical Lead: Monsoor Rashid, [REDACTED]
[REDACTED]
- 9.2 Contracting Officer: Jacob Burns, [REDACTED]
- 9.3 Contracting Officer's Representative: [REDACTED]
[REDACTED]

End of Statement of Work