Solar Request for Proposal Attachment A

JOLIET JUNIOR COLLEGE
1901

Joliet Junior College – Weitendorf Agricultural Education Center

Scope and Term of Services:

Joliet Junior College, District No. 525, ("College") is accepting bids for its Weitendorf Agricultural Education Center, which procurement and installation is to be provided by the successful Bidder (if any is selected by the College) in accordance with the terms, provisions, licensures and approvals set forth in (and/or contemplated by) this Bid Package.

The College is soliciting bids from qualified companies capable of designing, engineering, installing, and commissioning a grid-tied, ground-mounted solar PV systems at the College's Weitendorf Agricultural Education Center located at 17840 W Laraway Rd, Joliet, IL 60433. The College is aiming to produce 100% of their historical usage (see below) via renewable energy. College would like a system to produce no less than 172,256 kWh's to achieve this goal, but no more than 180,000 kWh. The DC:AC ratio should be no greater than 1.3. Services and deliverables shall be provided to the College pursuant to a schedule determined by College.

Attachment A highlights the general ground space available and other notations for this project. The College is served by Commonwealth Edison. Copies of recent bills are located in the shared folder.

Please note that a fence enclosing the PV array **IS** part of the scope of work. The College also requests an educational component to this project. The selected bidder shall assist in setting up a public facing screen/monitor to show the energy being generated by the solar.

SOLAR PV SYSTEM MINIMIUM SPECIFICATIONS
Interested respondents are requested to submit bids for a fixed-tilt ground-mount solar PV system utilizing bifacial PV modules, with minimum specifications as follows:

- Fence enclosing the PV array
- Wiring protection to ensure conductors are 'not readily accessible' per 2017 NEC 690.31(A)
- 172,256-180,000 annual kWh production with a DC:AC ratio that does not exceed 1.3 and such capacity conforms to the specifications indicated by the inverter manufacturer.
- Tier 1 bifacial PV modules with a minimum wattage of 385
- Minimum 5-year full-service warranty by the respondent
- Minimum OEM warranties of 25-year module power production; 25-years on racking, 10-years on inverters
- Racking/support structure must be accompanied by a stamped engineering certification attesting to the fitness of such racking/support for a code compliant, ground mount racking structure supporting photovoltaic modules in Illinois
- Communications, control and instrumentation embedded in system to allow for remote monitoring of PV modules/inverter production/performance, errors, faults, etc.
- Contractor shall provide start-up and testing
- Installation shall meet or exceed all currently applicable and proposed safety and interconnection standards. All equipment components must be listed or recognized by an appropriate safety laboratory (e.g., Underwriter's Laboratory [UL]), and meet existing facility structural and fire safety requirements. Electrical installations shall comply with the 2017 edition of the National Electric Code.

- Installation shall be performed by an ICC Distributed Generation Certified Installer (https://www.icc.illinois.gov/authority/distributed-generation-installer)
- The proposed technology and equipment shall meet or exceed all currently applicable and proposed environmental standards.
- The proposed technology and equipment shall be designed for normal operation in the Illinois climate and installed according to all manufacturer specifications to ensure availability of all OEM warranties.
- The proposed technology shall not incorporate proprietary components and that the system design allows for multiple sources of supply and/or repair.
- The Contractor shall be responsible for cleanup of the work site upon completion of work. All surfaces shall be restored to original conditions.
- The Contractor shall be responsible for locating all existing underground utilities.
- The Contractor shall be responsible for all permitting requirements
- The Contractor shall assist the College in applying for SRECs via IL Shines/Adjustable Block Program, with the Contractor paying any associated fees and performance collateral (if required) on the College's behalf such that the College incurs no up-front costs associated with SRECs.
- The Contractor shall assist the College in registering/applying for the IRS Direct Pay program
- The Contractor shall provide your best economic value to The College in regards to Domestic Content (DC). If submission contains the 10% adder for Domestic Content, please indicate the percentage of Domestic Content the system will satisfy the DC adder along with your breakout of the equipment and it's corresponding percentage of the total in the bid document.

Site Information

17840 W Laraway Rd, Joliet, IL 60433

Site and electrical photos are available in an Egnyte shared folder that will be shared upon request. Please email solar@agellc.com with the subject line "JOLIET JUNIOR COLLEGE - WEITENDORF SOLAR PV SYSTEM PROJECT" and you will be provided a link to access the shared folder.

The contemplated ground mount site for solar arrays in the Aerial Photo above is denoted by the yellow box. The transformer location is denoted by the red circle, and the meter/electrical room in the school by the blue circle.

All photos, electrical, transformer, meter, etc., are broken out into sub-folders within the main shared folder.

Electrical Info

Meter Location – Main

ComEd Account: 8027977754
Meter: 230129672
Pad Mounted Transformer: No Nameplate Available; Developer Responsible to Verify
Rate Class: C-R73C = ComEd Electric RDS Commercial - 0 to 100KW
Electric Supply Rate: Energy Only @ $0.04802/kWh (see bills in the shared folder)
Annual Energy Use: 172,256 kWh total for trailing 12 months of billing cycles