



Date: November 13, 2023

Project: City of Raleigh – Rooftop Solar Installation
Project No. 274-ESIFS-SP3BD-2023
Raleigh, NC

ADDENDUM NO. 1

Please note following additional information, corrections, revisions and/or clarifications:

Item 1.0 Corrections/Additional Information:

1. Riser diagrams and electrical panel schedules for the three buildings specifically mentioned in the advertisement for bid are attached to this addendum.
2. Bid bonds will be required in the amount of 5 percent of the total bid price. Payment and Performance Bonds will be required by the City for this project. The cost of the bonds should be included when calculating total cost for the bid

Item 1.1 Questions and Responses:

1. If we have any additional questions after reviewing the riser diagrams, will there be a second RFI deadline for clarification? Will the bid date be postponed accordingly.
If questions arise based on information presented in this Addendum, please forward them to the City in writing as expeditiously as possible. Additional questions will be addressed via two methods. The City may elect to post a second Addendum if time warrants. If not, a direct response will be sent to any prospective bidder who has requested a copy of the bidding documents as of 12pm on Monday, November 13, 2023. No postponement of the bid date and time is anticipated. Bids remain due at 10am, Tuesday, November 21, 2023 in Suite 605 of the Raleigh Municipal Building – 222 W. Hargett St., Raleigh.
2. Under the section "Solar Systems" point D on page 6/237 indicates that a DC surge arrester along with the DC disconnect switch is required. We plan on using the Solar Edge inverters which have built-in DC and AC surge arresters, along with a DC disconnect switch. Will this suffice? Could this be removed from the scope?
Inverters with built-in surge arresters will suffice for the note referenced in this question. The surge arrestors and disconnect switch will be required and may be supplied in the manor deemed most appropriate by the bidder.
3. Our understanding is that under Duke Energy's sell all rider - this solar system falls into the "Uncontrolled Solar Generation" category i.e., system shall be operated without a PPA (power purchase agreement). Please confirm this is your desired configuration as well.
The desired configuration is the "sell all" agreement in Duke Energy's terms. The City will comply with any Duke Energy requirements for this type of system. If no PPA is allowed, the City will comply with that requirement.
4. Is the intention to monitor all three sites collectively, or will each site be monitored separately?
The City's preference is to monitor each site separately.



5. Are there any architectural drawings available for the Solar Data Management and Control System? We are not clear on the difference between the SMCS and the FMCS.

For the purpose of this solicitation, the terms SMCS and FMCS may be considered as references to the same control system. We have no architectural drawings of any SMCS system(s) currently in use within the City that we are aware of at this time. If such drawings are discovered during the project, they will be shared with all concerned parties upon discovery.

6. Please confirm whether the Solar Management and Control System (SMCS) is already established for the City of Raleigh, i.e., are there any solar PV sites in the City of Raleigh's portfolio already connected to an SMCS that meets the bid requirements? If not - is the solar vendor responsible for setting up this system from scratch?

The City has solar PV sites in operation at select locations. These systems currently do not all follow a specific standard which would comply with the bid requirements. For the purpose of this solicitation please assume the vendor would be setting up the system from scratch.

7. Are there any other sites where the SMCS has been installed and fully functional? If yes, please share the contact information of the controls company which was hired to perform this task so we can request quotes.

The existing City systems are all quite dated and there is currently no City wide standard to ensure consistency across locations.

8. Under the SMCS section - Who is responsible for setting up and configuring F - Data Collection / Historian? City Contractor or Solar Installer?

The City's preference is that this be included in the Solar Installer's bid.

9. Who is responsible for item G, subsections A through E - end user dashboard clients? We read the bid spec as this being the responsibility of the "enterprise developer" a City designated contractor. Who is paying this contractor? The solar installer or the City?

The City's preference is that this is included in the solar installer's bid. If a specific "enterprise developer" is requested by the City and the cost can be documented as greater than the anticipated bid cost for this work, the City would consider a Change Order to account for the cost difference.

10. Page 12 Item B. C. What does solar contribution offset to Duke Energy Grid mean? This is a sell all system.

This note was in reference to previous funding offsets that Duke may have offered in conjunction with PV systems which were connected to the Duke Energy Grid. If this statement does not apply in this case, and no offset is available, it may be ignored and will not impact acceptance or rejection of any submitted bid.

11. Page 13 Item I, iv and v. Define what exactly is meant by instantaneous energy in kWh for "energy production" and "kWh out from facility"?

There is a typo in this statement. The City would like to know the instantaneous energy being generated in kW when a system is operating and the total energy produced in kWh over various periods such as per day, per week, per month and so forth. This data would need to be reported separately for each system.



- END OF ADDENDUM NO. 1 -

Lex Benton, PE
Engineer Supervisor

City of Raleigh
Engineering Services Department
Integrated Facility Services
222 West Hargett Street | Raleigh, NC 27601
(p) 919-996-5820 | (c) 919-397-6218
lex.benton@raleighnc.gov
raleighnc.gov