University of Central Florida

Procurement Services

ADDENDUM

IMPORTANT DOCUMENT – INVITATION TO NEGOTIATE ADDENDUM

ITN NUMBER: 2020-11MCSA

OPENING DATE & TIME: ~~1/27/2021; 3:00PM~~; 2/3/2021; 3:00PM (see below)

ITN TITLE: ADVANCED METERING INFRASTRUCTURE (AMI), SMART GRID NETWORK, HOSTING AND ANALYTICS

ADDENDUM NUMBER: 1

ADDENDUM DATE: 1/11/20201

The purpose of this addendum is to:

- Extend the due date for offers to 2/3/2021 by 3:00PM
- Answer questions asked during the open q/a period.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM AND RETURN IT WITH YOUR OFFER. FAILURE TO SIGN AND RETURN WITH YOUR OFFER COULD RESULT IN REJECTION OF YOUR OFFER.

_____ _____

PROPOSERS SIGNATURE PRINT OR TYPE PROPOSER'S NAME

_____ _____

COMPANY NAME EMAIL ADDRESS

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Orlando Tech Center

1. Vendor Question: Do you anticipate extending the bid due date?

   UCF Answer: We are extending the due date by 1-week, changing the due date from 1/27/21 to 2/3/21 by 3:00PM.

2. Vendor Question: What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?

   UCF Answer: Please see section 2.8 of the ITN document for details on the proposal Evaluation Criteria and Selection Process.

3. Vendor Question: Was this bid posted to the nationwide free bid notification website at www.mygovwatch.com/free?

   UCF Answer: UCF Procurement Services advertises solicitations on the Procurement Services website, and the Florida Vendor Bid System (VBS).
   https://procurement.ucf.edu/solicitations/
   https://www.myflorida.com/apps/vbs/vbs_www.main_menu

4. Vendor Question: Other than your own website, where was this bid posted?

   UCF Answer: See the answer to question #3.

5. Vendor Question: I wanted to see if you will be looking for a meter data management solution separately for the RFP? If so we would like to provide a separate bid for that solution.

   UCF Answer: UCF is not looking for an MDMS solution at this time.

6. Vendor Question: Can the hosted MDM/analytics portion be bid separately or does it need to be part of a AMI package?

   UCF Answer: An analytics solution may be included with the AMI package. UCF is not looking for an MDMS solution at this time.

7. Vendor Question: Does UCF have any plan to implement Meter Data Management Solution to integrate AMI. Currently, all the reads are being stored in data ware house solution and also the in the proposed solution reads from AMI will get stored in data ware house and move to EnergyCAP CIS directly for billing. Does UCF needs a system for VEE and data aggregation.

   UCF Answer: UCF is not looking for an MDMS solution at this time.

8. Vendor Question: Is UCF looking to replace its EnergyCAP CIS with a SaaS based CIS system. RIA and Oracle can jointly offer an Opex model based implementation and support to bring down the complete TCO? Our SaaS based solution is a single system for CIS and MDM.

   UCF Answer: No. The CIS System will remain the same.

9. Vendor Question: At this point I would like to ask if there is a more specific map of the meter locations to aid in the RF study.

   UCF Answer: The information provided is sufficient for purposes of submitting an offer. A more detailed GIS file will be provided to the awardee after contract award.

10. Vendor Question: 1. ITN Deadline – Will you extend it 2 weeks due to holiday schedule limitations on response team members and quick turnaround from answers to final bid response due date?
    Section 2.6 states the due date is January 21 and the acknowledgement form states January 27. Please confirm the due date if not extended.

    UCF Answer: The ITN due date was 1/27/21 by 3:00PM. To keep on schedule, we are willing to extend the due date by 1-week to 2/3/21 by 3:00PM

11. Vendor Question: Is there a timeline for the rollout of all meter connections to be installed and on the system?

    a. Beyond the Water, Gas, and Electric meters, when is it anticipated that you would want the sewer, storm water, lighting and other smart grid solutions implemented?

<u>UCF Answer</u>: The system should be capable of future support and integration of these needs and there is currently no timeline due to the ongoing constraints due to the impact of the COVID19 outbreak. Anticipated timeframe in a best-case scenario would be 1-2 years for street/site/parking lot lighting.

b. Electric meters will be installed by UCF personnel. Will UCF personnel or the bidder be installing radios for all other water and gas metering equipment?

<u>UCF Answer</u>: A combination of UCF Personnel and qualified third-party vendors will assist in the deployment of water, gas, telemetry endpoints outside the integrated electric meter installations. UCF will serve as point of contact between the project team and the third-party vendors.

c. Is it UCF's intention that the sewer system connection be via flat file from the SCADA system or via DNP3 or other protocol through the AMI system?

<u>UCF Answer</u>: Seeking the respondent's help to determine the best solution for UCF.

12. Vendor Question: 3. PROP STUDY NEEDS –

a. Vertical assets

i. Will UCF supply a list of available vertical assets including available antenna mounting heights?

<u>UCF Answer:</u> No.
Inquiries about surrounding facilities can be discussed during propagation review. Existing AMR network repeaters and collectors are installed on building rooftops primarily (40-60'ft above ground, 360'FOV at penthouse) with direct and remote antenna's and some on 25-30'ft poles on parking garages and exterior athletic courts and parking lot lights. Some areas require approval for pole mounting and therefore the solution must take into account some flexibility. Most all physical buildings can be utilized to mount equipment at the penthouse level. Current facilities with network equipment are Buildings 0002 (Library), Building 0150 (Public Safety Center), Parking Garages D & I, Villages Basketball Court Light Pole, and more.

See campus map "boundary" of UCF property for reference. This file can be downloaded from the UCF Procurement Services website at https://www.procurement.ucf.edu/solicitations under ITN 2020-11MCSA.

ii. Can we use UCF Water Tower at Gemini Blvd and Libra Dr.?

UCF Answer: No.

iii. Is the monopole cell tower on W. Plaza Dr. owned by UCF and/or can we use that? If so, what mounting height for antenna?

UCF Answer: The two campus Cell Towers are off-limits due to the high annual commercial cost to utilize real-estate space on these towers.

iv. FCC website lists a monopole owned by UCF at 12930 Gemini Blvd. E. but I do not see it on Google Earth. FCC lists Nicole Lloyd as the UCF contact. Is this a viable option as well?

UCF Answer: No. While the tower does exist (constructed in 2020), the two campus Cell Towers are off-limits due to the high annual commercial cost to utilize real-estate space on these towers.

13. Vendor Question: Meter locations:

a. Does UCF require any services for locations NOT at main campus area (2.2 square miles)?

UCF Answer: Currently the main campus is the focus. Expectation is that the same solution will be able to provide similar metering/hardware at the branch campuses to expand later if/when desired.

14. Vendor Question: Appendix A (Electric Meters). Non socket type electric meters, ie. Emon, Osaki etc, are to be upgraded to socket style meters. Is the installation of the socket and related equipment the responsibility of UCF or the respondent?

    UCF Answer: *UCF is responsible. We will manage all electric meter replacement hardware/installs.*

15. Vendor Question: Appendix A (Electric Meters). A few meters listed have neither style, signal nor model listed. Are these meters currently not read? Also, a few are marked N/A, what status does this signify?

    UCF Answer: *Assuming this is related to the Water/Reclaim/Sewer meters, not electric, these meters are "currently" without transmitters and manually read. They are capable of being outfitted with endpoint transmitters. Five of them are portable hydrant meters for which we intend to add transmitters with the new system and the remaining few are capable as well, just not outfitted at this time.*

16. Vendor Question: Reference 4.2.1-D. By "potential distribution equipment" we should assume this means "future installations"?

    UCF Answer: *Correct.*

17. Vendor Question: Reference 4.2.2-A. Electric meters require UL2735 listing. Most utility socket style electric meters are built to ANSI standards. Is the UL a possible exception?

    UCF Answer: *UL2735 is required for all electric meters. No exceptions.*

18. Vendor Question: Reference 4.2.2-L. Is UCF expecting to get Flow and Temp from BTU metering over the air or through their existing BacNet?

    UCF Answer: *See section 2.2.2-m for clear requirements. Additionally, we currently get all BTU parameters via BacNET, including Totalization, Flow, Temperature for Supply & Return lines, and more. Also, see question #19 answer below for reference.*

19. Vendor Question: Reference 4.2.2-L-a. Will UCF continue with BacNet or is this project designed to replace it?

    UCF Answer: *Continue with BacNET. Both solutions will be "active" simultaneously.*

20. Vendor Question: Reference 4.2.2-R. "disconnect switch operation" is mentioned. To which meters does this pertain?

    UCF Answer: This will be minimal, less than a half dozen. Will be utilized on "as needed" basis, not service/location specific. But must have capability as an option.

21. Vendor Question: Are there detailed maps available, pinpointing the location of existing metering points, to aide in performing an RF survey and identifying the campus area?

    UCF Answer: See question/answer for #9.

22. Vendor Question: The ITN mentions lighting. At what stage or phase of the project would UCF intend to install lighting control?

    UCF Answer: See question/answer for #11-a.

23. Vendor Question: What is the current SCADA system being used by UCF?

    UCF Answer: VT Scada – Water Production only

24. Vendor Question: What are the standard interfaces used by the SCADA system?

    UCF Answer: Seeking the respondent's help to determine the best solution for UCF.

25. Vendor Question: What are the preferred standard connection protocols?

    UCF Answer: Seeking the respondent's help to determine the best solution for UCF.

26. Vendor Question: What do you intend to get into and out of the SCADA system?

    UCF Answer: Seeking the respondent's help to determine the best solution for UCF.

27: Vendor Question: What do you intend to do with the SCADA data?

UCF Answer: *Seeking the respondent's help to determine the best solution for UCF.*

28. Vendor Question: What SCADA software integrations are desired?

UCF Answer: *Seeking the respondent's help to determine the best solution for UCF.*

29. Vendor Question: What data integrations into existing SCADA are desired?

UCF Answer: *Seeking the respondent's help to determine the best solution for UCF.*

30: Vendor Question: What types of equipment are you wanting to interface with from your SCADA system?

UCF Answer: *Seeking the respondent's help to determine the best solution for UCF.*

30. Vendor Question: ITN mentions in multiple places (4.2.3.E and 4.3.C) that AMI system vendor will be required to work with UCF's 3rd party contractor/organization to validate system performance SLA. Who is this 3rd party and what is their role in this project?

UCF Answer: *Primarily installation contractors assisting UCF with programming, setup, installation of field transmitters (primarily non-electric).*

31. Vendor Question: Can UCF please supply more specific meter location data? Specifically which meters are inside/outside at which street addresses?

UCF Answer: *No additional information will be provided. Appropriate information has been provided on the "UCF Meter Locations and Details" spreadsheet located on the Procurement Services website https://procurement.ucf.edu/solicitations/.*

32. Vendor Question: There is mention of some meter locations being considered hard to reach, can you please give us as much information as possible on these locations?

UCF Answer: *Currently we have no extreme hard to reach facilities other than basements or pit/manhole meter installations. We have meters located inside buildings and inside parking garages (noted in listing/file) or distant locations (example: two endpoints located at the corner of*

McCulloch Rd and Alafaya Trail on NW Corner of campus). The solution should be prepared to handle such situations and present such capabilities.

33. Vendor Question: For your distribution automation applications, what solutions are you looking to accomplish?

    UCF Answer: Future capabilities at this point. Pending any advances by the university to take over the power grid infrastructure in coming years, a clear understanding of the solutions capabilities to cover such areas is expected.

34. Does this include both monitoring and control of equipment in the field?

    UCF Answer: Future control options at this point with focus on demand response capabilities/design.