

**Office of Procurement Services**

P.O. Box 7800 • 315 W. Main St., Suite 416 • Tavares, FL 32778

**SOLICTATION: UNINTERRUPTIBLE POWER SUPPLY (UPS) AND BYPASS SWITCH** 07/26/2024

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

**THIS ADDENDUM CHANGES THE DATE FOR RECEIPT OF PROPOSALS TO AUGUST 08, 2024.**

**QUESTIONS/RESPONSES**

1. I see in the assumption portion (Assumption 5.4) that we can re-use the existing MBS if compatible with the new UPS’s going in.  Just verifying that yes, we can re-use the existing MBS?

**R.**  **The County will allow the re-use of the existing MBS if determined to be appropriate.**

1. Do you have a battery runtime that you would like the new UPS systems to provide or would the internal runtime be enough (typically 3-5 minutes if fully loaded)? Please advise what is the required UPS battery

**R. The County requirement for public safety equipment is 30 minutes with a preference for 1 hour.**

1. I know there was a site visit scheduled for July 10th at 10:30AM. Will there be any opportunities for a site visit outside of this time? Can vendors schedule another site visit with our electrical contractor?

Since the project is a turnkey installation, including Engineering, etc, could you please advise when the contractor will be allowed to visit sites #1, 3, 4, and 5?

**R.** **No further scheduled site visits are planned.**

**All sites are basically the same configuration and were installed at the same time. Addresses will be provided to the selected vendors . The review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

Q4. Existing UPS Systems: Make, Model, and Power Rating (kVA and kW): Please provide the make, model, and power rating (kVA and kW) of each UPS to be replaced. This information can be found on the UPS nameplates. If possible, please include pictures of the nameplates for reference.

**R. One (1) Liebert NFinity, Four (4) PowerWare**

* Voltage and Wiring Information: Indicate the input and output voltage of each UPS system. Additionally, specify if the existing UPS units utilize neutral on both the input and output (pictures of nameplates are helpful).
* Pictures of Existing UPS Systems: Please provide pictures of each existing UPS system for a visual overview of the current setup.

**R.** **See Exhibit F. for standard Leibert install and standard PowerWare install pictures. These are similar at all sites.**

Q5. Existing Electrical System

* Single Line Diagrams (SLDs): If available, please provide single line diagrams for each UPS system. Having this information will significantly improve our understanding of the existing electrical configuration.
* Input Breaker Size and Model: Please identify the size and model of the input breaker for each UPS. If possible, a picture of the breaker label would be appreciated.

**R.** **The County noticed a review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

Q6. Wiring and Installation

* Reusing Existing Wiring: The SOW indicates the potential for reusing existing wiring. Verification by a qualified electrician will be necessary to confirm the suitability of the existing wiring for the new UPS units. If new wiring is required, will that be covered under a separate purchase order or do you prefer proposals to include allowances to extend the cables.
* Extending Existing Cables: Should cable extension be necessary, determine if splicing existing cables is an option based on the project requirements and safety considerations.

**R.** **The County will allow the re-use of the existing infrastructure if determined to be appropriate.** **The County noticed a review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

Q7. Space and Footprint

* Footprint Requirements: Please clarify if the replacement UPS units need to have a footprint that matches the existing units. Pictures of the existing UPS locations would be helpful in assessing available space.
* Space Restrictions: Identify any potential obstacles that might hinder the installation of the new bypass and UPS within the existing space. Pictures of the surrounding area would be beneficial.

**R.** **The County desires placement to be identical to the existing equipment once removed. Pictures have been included.**

Q8. Equipment Restrictions: Buy American Act Compliance: Please define if the project necessitates equipment manufactured in the US, or if global sourcing is acceptable.

**R.** **The County grant agreement has no restriction identified to our knowledge.**

Q9. Monitoring and Communication Monitoring Protocols: Please identify the type of communication protocol currently used for monitoring the existing UPS systems (e.g., SNMP, Modbus, dry contacts). This information will ensure compatibility with the new UPS units.

**R.** **The County currently uses dry contacts for monitoring but will consider newer technology and methodology if available.**

Q10. Project Documentation: Existing Drawings: If available, please provide any existing One Line Diagrams, As-builds, or CAD drawings for the UPS systems. Having these documents will save time and resources when creating project documentation for permitting purposes.

**R.** **The County noticed a physical review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

Q11. Environment and Load Type

* Environment: Please describe the environment where the UPS units are located. Specify if it's a clean, controlled environment (data center) or a dirtier environment (industrial setting). Additionally, information on cooling adequacy ( A/C units?) and any airflow obstructions would be valuable.
* Load Type: Understanding the type of load currently supported by the UPS units (industrial, telecom, etc.) will help determine if the new UPS units require additional features like output transformers or filters.

**R. The County noticed a physical review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

Q12. Delivery and Installation: Delivery Access: Please identify any potential challenges for delivering the new UPS units to the installation site. Are there any limitations like tight spaces, stairs, or weight restrictions that necessitate special rigging?

**R. The County noticed a physical review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

Q13. Per Exhibit A Scope of Work, 24-942: 2.2.3 indicates "Supply, deliver, and install one new replacement UPS system (18kW) and maintenance bypass switch at each site and wire output to UPS distribution panel with a Bypass Switch”, however 5.4 indicates "Existing Bypass Switch is compatible and can be utilized. Is Lake County’s intention to reuse the existing maintenance bypasses, or to have new maintenance bypasses provided as part of the UPS package?

**R.**  **The County noticed a review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids. If determined the maintenance bypass switch can be utilized, it will be incumbent upon the vendor to use and demonstrate functionality.**

Q14. Provide the following information:

* The required UPS input voltage - **Single Phase and 240/120V**
* The required UPS output voltage
* The kW load the battery runtime is based on - **RF Site estimated Total Power Load Calculations – 54 AMPS, 9670 Watts, 10179 Total VA, 33004 BTU**
* Model Eaton/PowerWare UPS is existing which is being replaced - **Powerware 9170**
* Do the replacement UPSs need to be connected to network, or serial contacts, for the monitoring referenced in SOW 2.3.1? - **Monitoring is necessary for troubles and run time**
* Size conditions and electrical room or wall clearance. **– The County noticed a review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**
* Existing conduits and wire size, Etc. **– The County noticed a review of the site at the scheduled Tower Site Visit (24-942 UPS & 24-943 Generator) on July 10, 2024, at 10:30 AM, Information gathered at this site walk can be used for all site work determinations. If assumptions need to be made, please indicate in the bids.**

**R. See answers above for each item.**

**ADDITIONAL INFORMATION**

See Exhibit F, Standard Install Pictures, for standard Leibert and PowerWare install. These are similar at all sites.

**ACKNOWLEDGEMENT**

Firm Name: Click or tap here to enter text.

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: Click or tap here to enter text.

Date: Click or tap to enter a date.

Print Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Primary E-mail Address: Click or tap here to enter text.

Secondary E-mail Address: Click or tap here to enter text.