GC-2304 UPS System & Installation Information, Questions & Answers

As of: 9/2/2022 @ 4 pm

1. Project documentation and other pertinent information.

   A. All information associated with the project will be located at: https://www.garrettcollege.edu/purchasing.php

2. Pre-Bid Meeting has been established as September 1st at 11am

   Location: Garrett College
   687 Mosser Road
   McHenry, MD 21541
   Room: 102 & IT Comm Room

   Zoom: We will also be providing a Zoom option – link to follow closer to event time – for those that cannot attend in person.

   Completed

3. Are there Fees associated with this bidding process?

   A. No

4. We would like to know more about your current power consumption as there may be a need to add a battery cabinet to reach your runtime goal.

   A. Power consumption is a steady power pull for 24x7x365 usage. Per our electricians, 45 Amps has been the system load; with opportunity to grow to 75 Amps for future College growth. Minimum battery backup time requested is ½ hour (30min) – more if pricing allows.
   B. Watt Calculation: 16kW looks to be our max. 75A at 208V.

5. You reference 64 Amps but also list 2200VA, these don't match up

   A. Our current UPS solution is a mixture of smaller Rack mount APC UPS's that are mounted throughout our existing rack structure. Models and capacities vary. The College used a manual trial and error process to determine which load to source on which UPS; thus, giving us our current model.

6. For the PDUs we have several models. We would like to know more about what you are needing from these PDUs. Is just a basic PDU acceptable or would they like to have monitoring or switching capabilities?

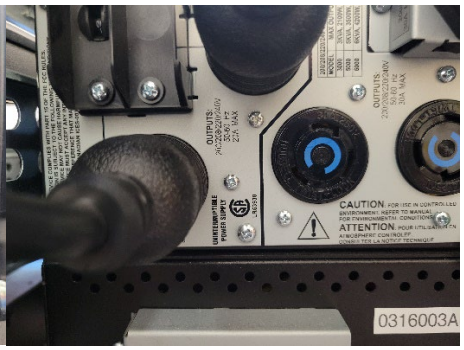
   A. Current PDUs are basic PDUs with no monitoring or switching capabilities.

7. We would also need you to confirm the plug types needed on the PDUs. Rack 1 12 Port 250 V PDUs (L5-30 Twist lock) is not correct. A L5-30 is a 120V plug type.

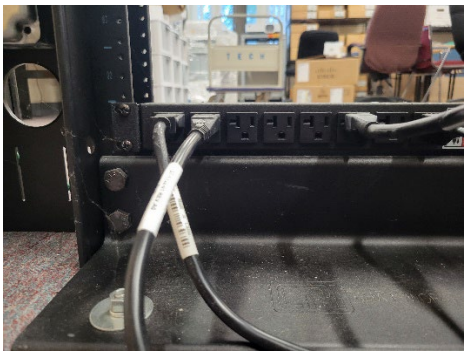
   A. The PDUs would need to be configured in such a way to provide both 250v and 120v. Source power would be supplied by the proposed UPS system; connection type to source power would be based off of your system

configuration. As long as we do not have to whole-sale change all power infrastructure to our end-point devices. Photos from current system are as follows…

250v



120v



8. You mentioned your IT equipment is dual power supply for redundancy? Are both A & B side connected to the same power source?

   A. No, A is connected to a separate UPS from B.

9. Do we need to keep redundant power supplies to separate UPS heads?

   A. Not Necessary.

10. Do we have an existing Generator?

    A. Yes, 200A at 208V. 35kW.

11. Do we monitor UPS?

    A. Yes, and we would like to be able to monitor this system as well.

12. Maximum Load?

    A. 16kW. Normal draw of 45Amps at 208V, with ability to expand to 75A at 208V.

13. Where do we need an electrical License?

    A. All electrical work needs to performed by a Maryland licensed electrician with Eric's supervision.

14. Any limitations in terms of providing a 100A breaker feeder for a 3 phase UPS?

    A. The panel is a General Electric THQB type and the breaker must be “common trip”.

15. Any limitations on distributing power from the output of the UPS system to a subpanel?
    A. I don’t see any issue.
    B. All electrical work needs to performed by a Maryland licensed electrician with Eric’s supervision.

16. Can the submission deadlines be extended?
    A. No

17. Can a vendor request an additional site visit?
    A. No