



PROCUREMENT SERVICES

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ADDENDUM No. 1

REQUEST FOR QUOTATION No.:	1220-040-2021-063
TITLE:	Modular UPS Replacement
ADDENDUM ISSUE DATE:	September 29th, 2021
DATE:	PREFER TO RECEIVE SUBMISSIONS ON OR BEFORE October 6th, 2021

INFORMATION FOR CONTRACTORS

Contractors are advised that Addendum No. 1 to 1220-040-2021-063 is hereby issued by the City. This addendum shall form part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The following information is provided to answer questions raised by Contractors for the above-named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the Contractors or any sub-contractor not being familiar with this addendum. This Addendum No. 1 contains two (2) pages.

QUESTIONS AND ANSWERS:

- Q1.** The existing UPS is a MGE Comet 100kva/80kw 480v non-modular UPS. Max input current on this UPS is 120A at 480v. This UPS is being fed from a customer supplied 112.5kva 600-480v input transformer. The max output current of this transformer is 135 amps at 480v. The nominal current of the new specified GVS UPS (when not charging) is 124 amps (almost full load of the transformer). The maximum input current of the GVS 100kva/100kw UPS is 149 amps which is too large for this application. The maximum size of UPS to be used with this transformer is a 100kva/90kw or 90kva/90kw UPS. Please advise if the UPS size will be reduced to match the transformer or the transformer will be replaced with a large model.
- A1.** **All offers from contractors should have a software limit or alarm set to 90kW. The existing 112.5kVA transformer will be re-used.**
- Q2.** The engineer has specified the Schneider GVS UPS and is requesting N+1 internal redundancy. The existing UPS is not an internal redundant unit. Is redundancy a requirement?
- A2.** **No products have been specified, except for the batteries that are being provided by the client. The Schneider reference in the specifications is a minimum standard of acceptance.**

Products offered should comply with the performance specification provided and should comply to the design intent of being a modular UPS. The redundancy capacity per module can vary as per specific manufacturer, but will offer an N+1 redundancy.

Q3. Please confirm the scope of the coordination and short circuit study required under section 1.32 of the specification document. The document appears to require a fairly complete study of the facility, including the 12/25 kv cables, 12/25 kv breakers and other equipment not directly involved with the UPS. Not all of the equipment listed is shown in the drawings released, and much of the single line drawing that was released is grayed out and awkward to read.

Is a full facility study and resulting documentation, arc flash labelling etc the objective of this section. If so, please release a more complete drawing set so the scope of the study can be better understood for the quote.

A3. No co-ordination or arc flash study is required for this project – all existing infrastructure is being re-used.

All Addenda will become part of the Contract Documents.

- END OF ADDENDUM -