Addendum #1

Contract Number: AA14-RH-4892  
Speedtype: 147497  
Title: Eastside Substation - Purchase of two (2) Medium Voltage Switches

The attention of the bidders submitting proposals for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications, are all to be included in and form a part of the proposal submitted.

The number of this Addendum (1) must be entered in the appropriate space on the Bid Form: **The receipt of the following Addenda are hereby acknowledged:**

**Addenda#**

**Item 1** – Reference PART 1 – GENERAL, 1.1 GENERAL REQUIREMENTS, PAGE 3, and delete Paragraph A.

**Item 2** – The following vendor questions have been asked:

**Q:** In Section 1.7, studies are described. A Short Circuit Study; An Overcurrent Protection Device Coordination and Evaluation Study; and an Arc Flash Hazard Study. These studies usually accompany installation of more than one set of devices and are generally part of an installer’s scope of work. Should they be included in our bid response or ignored along with all the other installing contractor related statements?

**A:** This bid is for the purchase of two (2) Medium Voltage Switches only.

**Q:** Is there any height restrictions?

**A:** Height restriction should be expected to be 8’-0”. The following are the dimensions of the existing gear for reference:
1. The 14kv primary switch is 6’ feet depth, 8’ width, and 7.5’ height.
2. The Transformer is 6’ depth, 6’ width, and 7.5’ height.
3. The 2.4kv secondary switch is 6’ depth, 7.5’ width, and 7.5’ height.
4. The footprint of the three pieces of equipment together is 6’ depth, 21’ length.
Q: The spec calls for surge arresters – where should they be installed if needed at all. (13.8 kV gear or 4 kV gear)?
A: Surge arresters should be provided on the primary/13.8kV side.

Q: The spec calls for a SQ D PM820 meter but where should that be installed and is it required (Will it be on the 13.8 kV gear or the 4 kV gear)?
A: The meter should be located on the secondary/2.4kV side.
Follow up question was in regards to the CT ratio: The transformer is to be fan rated to 2600kVA, 80 degree C rise, and the CT ratio should be 1200:5 to capture full range of transformer’s capable output.

Q: Should the interrupting rating be 12.5 kA or 25 kA for both the 13.8 and the 4 kV gear?
A: Discussions with the vendor/bidder are that the only difference in rating is the correct fuse type. F&T recommends rating of 25kA.

Q: Will you require IR windows as they are not in the specification?
A: Yes, IR windows shall be included. Discussions with vendor/bidder are that two window sets may be required to meet need to view both fuse and switch connections/terminations.

Q: Do you want space heaters since this is indoor gear – spec calls for them with thermostats but you don’t typically get them on indoor gear and if you do want them do you have 120 VAC available to supply the heater circuit?
A: No, internal space heaters are not required since this is indoor gear and substation building is conditioned.

Q: Are isolating bushings between switch bays required?
A: Yes, provide bushings for isolation of bus penetrations through switch bays.

Q: What type of switch blades are required?
A: Switches shall be single blade type.

Q: Are mimic buses required for this project?
A: No, mimic buses are not required for this gear.

End of Addendum # 1

By: John O. Martin
Director of Procurement