ADDENDUM NO. 1 FOR
WEST PLANT VFD UPGRADES

The University of Texas Medical Branch at Galveston
WEST PLANT VFD UPGRADES
RFP No. 20-018

ADDENDUM NO. 1
MAY 6, 2020

Prepared By:
Shanna Watts, CTPM, Sr. Acquisition Specialist – Capital Construction
The University of Texas Medical Branch at Galveston
Materials Management Building (M028)
1302 Mechanic Street
Galveston, TX 77555
409.772.9435
shwatts@utmb.edu
The University of Texas Medical Branch at Galveston  
West Plant VFD Upgrades  
RFP No. 20-018  

ADDENDUM NO. 1  

This Addendum No.1 hereby forms and is made a part of the Request for Pricing for West Plant VFD Upgrades. The following shall be incorporated into the specifications and/or terms and conditions of RFP No. 20-018.

The following are clarifications, questions and answers regarding RFP 20-018:

Question 1: In phase 2 are all four motors and existing motor control center “MVMCC” going to be taken out of service at the same time?
Response: Yes, rerouting the 4160V feed to the new exterior transformer will take “MVMCC” and CWP-1, CWP-2, CHWP-2 and CHWP-1 out of service.

Question 2: Reference drawing E5 the pump schedule. Manufacturer is shown to be Houston Hydronics. Have attempted to google to no success. Can you provide more information?
Response: Reference Page 4 of this document for Motor Schedule.

Question 3: Is it possible to provide information on the contractor that installed these motors?
Response: We have no existing information on the contractor that installed the motors.

Question 4: Specs call for VFD’S to be NEMA1 or NEMA 12. Does the VFD on the roof for Cooling Tower CT-2 need to be NEMA 3R or NEMA 4X?
Response: VFD on the roof requires NEMA 4x enclosure per Keynote 1, Sheet E3

Question 5: Will new VFD require connections/integration to UTMB’s building automation system (BAS)?
Response: Yes, the VFD’s will require connection/integration to the BAS, but that connection will be done under a separate contract.

Question 6: Is there an existing arch flash study for the West Plant building and will copies be made available to the electrical subcontractor’s coordination study engineer and/or the awarded general contractor?
Response: Yes, there is an existing coordination/arc flash study that will be provided.

Question 7: The UGC’s require a full-time safety and a full-time QAQC staff member be onsite at all times. Please confirm this requirement can be waived for this project and that safety and QC responsibilities can be managed by the general contractor’s superintendent.
Response: To clarify, Specification 01 43 00, 1.3 Quality Control (B) will be waived for this Project. The Owner reserves the right to reinstate at any time.
**Question 8:** Keynote 1 on E1 states that the (5) existing pumps are to be removed and re-wound from 4160 volts to 480 volts. Is there a specification for the rewinding the existing 4160 volt motors as 480 volt motors? Is there nameplate data available for the existing motors?

**Response:** No, there is not a spec for rewinding the motors. Keyed Note 1, Sheet E1 indicates rewinding to equal rating as existing.

**Question 9:** The one line diagram on E4 indicates that the new 500 KVA transformer in Phase 1 is to be wired to a fused interrupter switch in MVMCC-2. Are the existing fuses sized properly for a 500 KVA transformer or will they need to be replaced? Will the trip settings in the upstream GE 750 Relay in MSGB need to be re-programmed to accommodate the additional load?

**Response:** The existing high voltage (4160 V) switch to be reused as safety switch for 500KVA transformer.

**Question 10:** The one line diagram on E4 indicates that the new 2000 KVA transformer is to be wired to an existing 1200 amp circuit breaker in MSGA. Will the trip settings in the existing GE SR469 Relay in this circuit breaker need to be re-programmed for the new 2000 KVA transformer?

**Response:** Contractor will be required to do a coordination study for new equipment. Trip settings will be determined from coordination study.

**Question 11:** Section 260573 calls for a Short-Circuit/Coordination Study/ Arc Flash Hazard Analysis. The second sentence of 1.2.A. states “The extent of the study shall be from __________”. Will the extent of this study be for the new switchgear installed as part of this project or will it be for the existing distribution as well? Is there an existing study that can be modified for the new switchgear installed as part of this project?

**Response:** New switchgear. Yes, there is an existing study for the plant.

**Question 12:** Is there an existing VFD or motor starter for CT-2 that needs to be removed when the new VFD is installed?

**Response:** Yes, there is an existing motor starter that will remain.

**Question 13:** Please verify that the control wiring for the new VFD’s will be handled under a separate contract.

**Response:** Yes, the control wiring for the new VFD will be handled under a separate contract.

**Questions 14:** Can pictures of the nameplate data for the pumps and motors to be rewired be provided?

**Response:** Reference Page 5 through 8 of this document.
### Motor Schedule
RFP 20-018 West Plant
VFD Upgrades

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<thead>
<tr>
<th>Tag</th>
<th>MFG</th>
<th>HP</th>
<th>Model</th>
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<tr>
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<td>400</td>
<td>5808P WP1</td>
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<td>CWP-3</td>
<td>Emmerson</td>
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Motor Nameplates

Chilled Water Pump (CHWP) #1
Chilled Water Pump (CHWP) #2
**Condenser Water Pump (CWP) #3**

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<tr>
<th>Specification</th>
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<tr>
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<tr>
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*Note: The image shows the label from the condenser water pump (CWP) #3 with specifications and details.*

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