



State of Utah

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Division of Facilities Construction and Management

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## ADDENDUM NO. 1

Date: January 14, 2010

To: Contractors

From: Brian Bales – Project Manager

Reference: Campuswide Electrical Metering Improvements  
Utah Valley University – Orem, Utah  
DFCM Project No. 09054790

Subject: **Addendum No. 1**

Pages	Addendum Cover Sheet	1 page
	<u>Engineer's Addendum</u>	2 pages
	Total	3 pages

**Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.**

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 **SCHEDULE CHANGES:** No Project Schedule changes.

1.2 **GENERAL ITEMS:** See attached Engineer's Addendum No. 1 dated January 14, 2010.



**SPECTRUM**  
ENGINEERS

## Addendum #1 - January 14, 2010

**Project:** UVU - Campus Electrical Metering Improvements  
**DFCM Project No.** 09054790  
**Date:** January 14, 2010

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## ELECTRICAL, DIVISION 26

### SPECIFICATIONS:

#### SECTION 260913

1. Paragraph 2.1.B: Eaton/Cutler Hammer is added to Square D on the list of allowed manufacturers. No other manufacturers have submitted for approval.

### DRAWINGS:

#### SHEET - E601

1. Change Ball Field to be a single 800A main breaker service panel, rather than two main breakers.

#### SHEET - E604

1. For the "Ball Field" meter, add "BB" as the abbreviation, and "BB011C" as the room where the main service panel is located. Note that this is the only service panel for this building (it was thought that another service panel existed, but a review of the record drawings indicates that there is only one 800A service panel).

### ANSWERS TO SUBMITTED QUESTIONS:

#### FROM POWER ELECTRIC:

1. The Square D model PM820 does not come with a local display. The display is considered an accessory. Do you want a local display or readout? If so the PM8RD is a LCD readout with a 12ft cable and the PM8RDA is a remote display adapter.

Answer: Provide local display per specifications.

2. The Square D model PM820 does not come with the Ethernet Communication Card. Should we include the card?.

Answer: Provide Ethernet communication card per specifications.

3. Drawing 602 tells us the Metering Network Server is provided by UVU and that any PCs and printers are not in the contract. Do we provide software, software installation, or system startup with the UVU Ethernet cabling network?



Answer: UVU is responsible for the Ethernet cabling and server. The contractor is responsible for the software, software installation, and system startup.

FROM ELITEST:

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1. Can we reuse the PT where present for example in the medium voltage gear?

Answer: Yes, as long as existing PT's meet project requirements.

2. Is there room inside of the 4160 volt gear for PT's?

Answer: This will need to be field-verified by the bidder/contractor.

3. If we are able to reuse the existing meters can they be left in their present location and can we simply add the PT fuse block, CT shorting block and communication module inside if there is room enough?

Answer: Yes.

4. The specifications call for this factory built enclosure, but if there is room inside the gear can we locate the meter and components inside the gear as a cost saving measure, is this acceptable?

Answer: This will have to be reviewed on a case-by-case basis. Include new meter enclosure for all new meters in bid.

5. Can you clarify what is meant by note 3 on E604?

Answer: When the metering software is being programmed, the submeters are identified so that they are not added to the campus total.

6. I did not see that it was allowed but where there is no neutral can we use an open delta where PT's are needed for the voltage inputs?

Answer: This will be reviewed after the bid, before or during the submittal process.

7. The drawing on E603 shows PTs, are they required in all locations, or only where required to step the voltage down for interface to the meter?

Answer: PTs are required only where voltage needs to be stepped down for the required meter inputs.

8. The specification refers a lot to the network, PCs, Server, recovery media, etc. can you clarify what paragraphs are not applicable to our scope of work?

Answer: The contractor is responsible to furnish and install all the meters and provide the head-end software along with the factory programming, startup, commissioning, etc. associated with the software and meters. UVU will be responsible for the network cabling, server and PC's that attach to the network.

**END OF ADDENDUM #1**