

**GREENVILLE UTILITIES COMMISSION  
GREENVILLE, NORTH CAROLINA**

**SPECIFICATIONS AND BID DOCUMENTS  
FOR  
THIRTY (30) CAPACITOR CONTROLLERS**

April 7, 2011

TO: All Prospective Bidders and Others Concerned

SUBJECT: ADDENDUM NO. II

The intent of this addendum is to notify all prospective bidders and others concerned that the Specifications and Bid Documents are hereby modified as follows:

1. Replace page 6 and 7 with the attached Addendum No. II.

The foregoing changes shall be incorporated in the Specifications and Bid Documents.

Please acknowledge receipt of this addendum by e-mailing Cleve Haddock, Purchasing Technician at [haddocgc@guc.com](mailto:haddocgc@guc.com).

Drawings are to be certified correct and supplied within a reasonable length of time after the order is placed. Drawings must be furnished prior to the shipment of the equipment. The Manufacturer shall supply one copy of certified test reports. Package shall include the following items as a minimum.

- Outline and Assembly Drawings showing size and location of major components and all principal dimensions.
- Control panel front view.
- Connection diagram showing exact connection for all components furnished.
- Wiring control and schematic diagrams.
- Instruction Books.

5.3.2 All Drawings and documentation shall be submitted directly to Greenville Utilities, 801 Mumford Road, Greenville, NC 27834, Attention: J. Todd Rouse, PE or by email to [rouset@guc.com](mailto:rouset@guc.com).

6.0 **Delivery / Shipping**

6.1 Equipment shall be shipped to GUC's Operation Center, 801 Mumford Road, Greenville, NC 27834.

7.0 **Capacitor bank controller Design**

7.1 **General**

Device .....	Capacitor bank controller, pole-mounted
Supply voltage .....	120 VAC, 60 Hz, used for sensing
Protection .....	Fuse for capacitor switch operations and Fuse for control circuitry
Sensing .....	Line voltage – single phase Neutral imbalance current Time
Status .....	Capacitor switch position Fuse blown alarm (lockout)
Control .....	Local and Remote Trip/Close, 120 Vac, 20 amps continuous
Data logging .....	Voltage and trip/close status
<b>Communication protocol ...</b>	<b>DNP 3.0 serial communications</b>
Communication method .....	Two-way Cellular – CDMA/1xRTT
Enclosure .....	NEMA 3R or NEMA 4, pole mounted
Wiring interface .....	Terminal Strip

**Program Features**

Local overrides .....	Over-voltage Trip Under-voltage Close
Anti-Hunt .....	Timer to block frequent operation
Neutral high current lockout..	Disable auto function during high neutral current

Accessories (provided by vendor)

Neutral current transformer .. provided with 10' cable  
Cabinet..... direct pole mounted, bottom cable access, holes to be field installed  
**Cable Modem..... Air Link Raven XT, interior mounted, Dual band 800/1900 MHz, CDMA/1xRTT on Verizon network**  
**Antenna..... Mobile Mark RMM-UMB-DN, top-mounted, dual band 800/1900 MHz, ground plane not required**  
Coax cable & connectors..... installed from cable modem to dome antenna

(Customer provided)

Cabinet interface holes..... field installed  
Control cable ..... field provided with voltage, control, neutral sensing  
Junction Box..... provided on the capacitor rack for cable interface

- Notes:**
- (1) All item(s) will be purchased in box quantities.
  - (2) Bidders are to specify on the attached Request for Proposal Form the brand name of all item(s) quoted, if more than one brand is approved and the expected delivery time.

**Method of Award:**

**Item(s) (1) will be awarded as a total quote.**

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