June 6, 2006

ADDENDUM 1 TO ALL BIDDERS:

Reference: Invitation for Bids: IFB#214-06-Generator
Commodity: Generator
Dated: June 5, 2006
For Delivery To: Longwood University
201 High Street
Farmville, Virginia 23909
Bid Due: June 12, 2006- 2:00 local time

This Addendum is adding a page left off of the original specifications. See attached page.

NOTE: A signed acknowledgment of this addendum must be received at the location indicated on the IFB either prior to the proposal due date and hour or attached to your proposal. Signature on this addendum does not substitute for your signature on the original proposal document. The original proposal document must be signed.

Very truly yours,

James E. Simpson, CPPB, VCO
Director Materiel Management

Name of Firm ______________________________
Signature/Title __________________________
Date: ________________________________
PART 3 - OPERATION

Sequence of Operation

A. The ATS shall incorporate adjustable three phase under voltage sensing on the normal source.

B. When the voltage of any phase of the normal source is reduced to 80% (adjustable) of nominal voltage, for a period of 0-10 seconds (programmable) a pilot contact shall close to initiate starting of the engine generator.

c. The ATS shall incorporate adjustable under voltage and under frequency sensing on the emergency source.

D. When the emergency source has reached a voltage value of 90% of nominal and achieved frequency within 95% of the rated value, the load shall be transferred to the emergency source after a programmable time delay.

E. When the normal source has been restored to not less than 90% of rated voltage on all phases, the load shall be retransferred to the normal source after a time delay of 0 to 60 minutes (programmable). The generator shall run unloaded for 5 minutes (programmable) and then automatically shut down. The generator shall be ready for automatic operation upon the next failure of the normal source.

F. If the engine generator should fail while carrying the load, retransfer to the normal source shall be made instantaneously upon restoration of proper voltage (90%) on the normal source.

Standard Accessories

A. Adjustable time delay to override momentary normal source failure prior to engine start. Field programmable 0-10 seconds factory set at 3 seconds.

B. Adjustable time delay on retransfer to normal source, programmable 0-60 minutes factory set at 30 minutes. If the emergency source fails during the retransfer time delay, the transfer switch controls shall automatically bypass the time delay and immediately retransfer to the normal position.

C. A time delay on transfer to emergency, programmable 0-5 minutes, factory set at 1 second.

D. An in-phase monitor shall be provided. The monitor shall compare the phase angle difference between the normal and emergency sources and be programmed to anticipate the zero crossing point to minimize switching transients.

E. An exerciser timer with momentary test pushbutton shall be incorporated within the microprocessor and shall be capable of starting the engine generator set and transferring the load (when selected) for exercise purposes on a daily, weekly or monthly basis. The exerciser shall contain a battery for memory retention during an outage.

F. Provide a momentary pushbutton to bypass the time delays on transfer and retransfer and programmable commit/no commit control logic.

G. The controller shall accept a remote peak shave or test input to signal the transfer switch to the emergency position.