

**COUNCIL ACTION FORM**

**SUBJECT: IOWA STATE UNIVERSITY VETERINARY MEDICINE SUBSTATION  
15KV METALCLAD SWITCHGEAR**

**BACKGROUND:**

This project is for expansion of the Veterinary Medicine (Vet Med) Electrical Substation to accommodate Iowa State University's Veterinary Medicine Campus load additions, football stadium load additions, and Ames' load additions south of Highway 30 and along 16<sup>th</sup> Street in the vicinity of the Vet Med Substation. This project has been advanced to accommodate ISU's accelerated schedule for the Veterinary Medicine Campus load additions. It has also increased in scope and cost to include an additional transformer to better accommodate the City's and ISU's future needs for capacity and reliable service in this area.

Bid documents for the 15kV metalclad switchgear assemblies were issued to sixteen firms. On August 11, 2010, four bids were received as shown on the attached report. Electric Services staff and an engineer from Dewild Grant Reckert & Associates (DGR) Company reviewed the bids. They concluded that the apparent low bid in the amount of \$563,197.29, submitted by Pederson Power Products, Omaha, NE, is acceptable.

The Engineer's estimate of the cost of these 15kV metalclad switchgear assemblies is \$750,000. The approved 2010/11 Capital Improvements Plan for Electric Services includes \$3,600,000 for construction and materials and an additional \$400,000 carried over from 2009/10 for engineering, for a total approved project budget of \$4,000,000. Iowa State University will contribute an estimated \$1,489,727 to the cost of the project. To date, the project budget has the following items encumbered (including the pending electrical materials award which is also presented to Council at this meeting):

1.	\$390,880.00	A cost-not-to-exceed for engineering services (DGR)
2.	\$192,715.64	Actual cost for four circuit breakers
3.	\$1,059,362.38	Actual cost for two transformers (This includes the 7% sales tax to be paid directly to the State of Iowa by the City of Ames)
4.	\$117,174.37	Actual cost for Electrical Materials-(pending Council award at this same Council meeting)
5.	<b>\$563, 197.29</b>	<b>Actual cost for two 15kV Metalclad Switchgear assemblies- this item (pending Council award for this item)</b>
6.	<u>\$1,676,670.32</u>	Estimated cost / available funds for Construction – (currently out for bid).
Total \$4,000,000		

**ALTERNATIVES:**

1. Award a contract to Pederson Power Products, Omaha, NE, for the Vet Med Substation 15kV Metalclad Switchgears in the amount of \$563,197.29.
2. Reject all bids and delay the purchase of the 15kV Metalclad Switchgears for the Vet Med Substation.

**MANAGER'S RECOMMENDED ACTION:**

This project is necessary to accommodate both City and Iowa State University load requirements in the Vet Med Substation area. The schedule for this project is crucial to meet new electric load being added in 2011. Existing transformer and feeder capacity at this substation is inadequate to support these new ISU load additions. Electric Services will be unable to meet the required in-service schedule if this contract is delayed.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby awarding a contract to Pederson Power Products, Omaha, NE, for 15kV Metalclad Switchgears for the Vet Med Substation in the amount of \$563,197.29.



**INVITATION TO BID NO. 2010-255  
VET MED SUBSTATION METAL CLAD SWITCHGEAR**

BIDDER	BASE BID	ALTERNATE BID 2	TOTAL
Pedersen Power Products, Omaha, NE	\$ 280,677.83	\$ 282,519.46	\$ 563,197.29
Central Electric Manufacturing Company, Fulton, MO	\$ 304,046.05	\$ 307,692.05	\$ 611,738.10
Myers Controlled Power, LLC, North Canton, OH	\$ 322,388.05	\$ 316,563.00	\$ 638,951.05
Siemens Energy, Inc., Wendell, NC	\$ 444,577.99	\$ 452,838.00	\$ 897,415.99