

Facility and Support Services

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December 12, 2012

To: Dee F. Bruemmer
County Administrator

From: Dave Donovan, Director
Facility and Support Services

Subj: Courthouse electrical switchgear replacement

As you may recall, in August we scheduled a time to turn off the main power to the Courthouse to allow some electrical reconfiguration relating to the new generator that was installed as part of the Scott Emergency Communications Center back-up center project. Our plan was to turn off power using the main disconnect switchgear in the building for a period of approximately four hours, while electricians moved some of the existing loads to allow them to be fed from the new generator. This work allowed us to feed all the critical equipment in the SECC back up and the County server room from generator and UPS backed circuits. It also allowed us to place some HVAC equipment behind generator, ensuring that servers and other electronic equipment would not overheat during a power outage.

All electrical work proceeded according to plan until we brought the building power back on-line. At that time, the main disconnect switchgear broke and failed. That switch, we believe, is original to the building (circa 1955). A MidAmerican Energy crew responded to assist us and we eventually were able to get the switch to close and restore full power to the building. However, that switch would not allow us to disconnect power to the building in the future and requires replacement.

We have been working with the SECC project electrician and MidAmerican Energy to plan for this work. The electrician has a quote to install a large circuit breaker type disconnect in place of the existing switch. That work will actually require two outages – the first to accurately measure the existing switch housing and the electrical busses to allow fabricators to build the new switch to bolt directly in place of the existing switch. The second outage will occur when electricians actually install the switch.

I have a quote from Tacey Electric in the amount of \$31,060.00 for the actual switch and labor. For this project, we would prefer to work directly with Tacey since they were involved in the initial failure and are familiar with the equipment. In addition to the electrician's costs, we will incur charges from MidAmerican Energy to disconnect power at the street for each of the outages. These planned outages will occur during non-business hours for the building. At least one of the outages will occur during an overtime situation for MidAmerican,

over a weekend. The other outage we are trying to schedule for a County holiday that is a work day for MidAmerican. Doing some of the work on a MidAmerican work day rather than a weekend will reduce the labor costs. However, I do not have a firm price from MidAmerican for their labor. That will be dependent on the amount of time required to perform the disconnect each time. Because of the design of the downtown electric grid, it is necessary for them to actually cut the power lines into the building and splice them back. I would expect the charge from MidAmerican Energy not to exceed \$6000 total for both outage events.

I will be available at the next Committee of the Whole meeting to discuss this project further. This project, while not budgeted in the current Capital Plan, can be funded using monies budgeted for general remodeling and a CCTV replacement project that we can defer to a future fiscal year.

CC: FSS Management Team
Matt Hirst

THE COUNTY AUDITOR'S SIGNATURE CERTIFIES
THAT THIS RESOLUTION HAS BEEN FORMALLY
APPROVED BY THE BOARD OF SUPERVISORS ON

DATE

SCOTT COUNTY AUDITOR

R E S O L U T I O N

SCOTT COUNTY BOARD OF SUPERVISORS

December 20, 2012

A RESOLUTION APPROVING A PROPOSAL FOR THE REPLACEMENT OF THE
MAIN ELECTRIC SWITCHGEAR FOR THE COURTHOUSE IN THE AMOUNT OF
\$31,060.00

BE IT RESOLVED BY the Scott County Board of Supervisors as follows:

- Section 1. That the proposal from Tacey Electric for the replacement of the Courthouse main switchgear in the amount of \$31,060.00 is hereby approved and awarded.

- Section 2. This resolution shall take effect immediately.