

arizona municipal water users association

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September 3, 2009

AGENDA ITEM #4A

TO: Members of the SROG Committee

FROM: Donald P. Sehorn, Program Manager

SUBJECT: AUTHORIZATION TO EXECUTE A CONTRACT WITH LUDVIK ELECTRIC

This request would authorize the City of Phoenix, under the Exceptions Clause of the SROG Procurement Policy, to execute a contract with Ludvik Electric for \$800,000 for the replacement and repairs of electrical cables at the Tres Rios Substation.

This work is for the replacement and repairs of electrical cables damaged due to an electrical fault inside the main switchgear located in the Tres Rios Substation. On June 10, 2009, at 12:30 p.m., there was a major power outage caused by a large explosion within the switchgear cabinet which blew the doors off; the damage to the 20 megawatt transformer was cosmetic. The current that faulted was high enough to create some acetylene gas in the transformer oil, but after testing, the transformer survived and the damage was only cosmetic as well.

The majority of the damage was on the discharger line side of the breakers on the bottom. When it failed they did not de-energize the transformer although it stayed hot and did not fault. The trip breakers on the other side of the panel tripped and most of the damage was to the discharger line side of the breakers at the bottom. The lightning arrester was basically vaporized and is gone completely; the switchgear survived, but the cabinet and bus system did not and cannot be rebuilt or reused. The cabinet needs to be replaced as quickly as possible.

RECOMMENDATION

At their June 18, 2009 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix, under the Exceptions Clause to the SROG Procurement Policy, to execute a contract with Ludvik Electric for \$800,000 for the replacement and repairs of electrical cables at the Tres Rios Substation. The project will be funded through the 91st Avenue WWTP Replacement Fund.

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