



County of Los Alamos

Los Alamos, NM 87544
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Council Meeting Staff Report

April 18, 2018

Agenda No.:	6.B
Indexes (Council Goals):	BCC - N/A
Presenters:	Rafael De LaTorre
Legislative File:	AGR0548-18

Title

Approval of Services Agreement No. AGR 18-28 with Transmission & Distribution Services LLC., in the amount of \$731,393.78, plus Applicable Gross Receipts Tax, for the Purpose of the White Rock Substation 15KV Retrofit & Upgrade Project

Recommended Action

I move that the Board of Public Utilities approve, in a form acceptable to the County Attorney, Services Agreement No. AGR 18-28 with Transmission & Distribution Services, LLC. in the amount of \$731,393.78 and a contingency in the amount of \$50,000, for a total of \$781,393.78, plus applicable gross receipts tax, for the purpose of White Rock Substation 15KV Retrofit & Upgraded Project and forward to Council for approval.

Staff Recommendation

Staff recommends that the Board approve as presented.

Body

A portion of the White Rock substation includes an original 1975, 5 MVA substation transformer and 2 circuit, 15KV, metal clad substation switchgear, "*switchgear*". The substation transformer is still good but the *switchgear* is in need of replacement. Though the *switchgear* is primarily used as a back-up because of its age and deteriorated condition, the *switchgear* is often placed into service each time LANL takes its 115KV transmission line out of service between White Rock and the ETA substation. The *switchgear* is placed into service several times per year but we're at a point where the *switchgear* has become unsafe to operate. (During the most recent event, one of the 15KV breakers became stuck and inoperable meaning the entire substation load had to be carried for the day with a single 15KV breaker.) Also, as the A19 and other potential load develops in White Rock, the replacement *switchgear* will likely be placed in service permanently to power A19 and surrounding area.

Alternatives

The Board could choose not to accept the Agreement but would be detrimental to the electrical reliability and future electrical capacity needs for White Rock. Also, the existing switchgear would have to be removed from service because it's becoming increasingly unsafe to continue to be placed into service without major repairs.

Fiscal and Staff Impact

The White Rock Substation Project was in the FY 2018 electrical capital budget and \$800,000 has been allocated to the project. Staff will project manage the retrofit upgrade, develop the over-current protection settings, and program the substation relays. Line Operations staff will re-do the two outgoing feeders and install a new outgoing feeder for A19, energize and place the new switchgear section into service.

Attachments

- A - AGR-18-28
- B - One-Line Diagram
- C - RFP 18-28 Cost & Rank