

**Rockwood Bank 1 and 2 Transformers Replacement  
(Project No. 200200/30033350)**

**Project Description**

IID Energy Department proposes to replace power transformers for both Banks 1 and 2 at Rockwood substation. The existing transformers were installed in 1959 at Bank 1 and in 1944 at Bank 2, so they have been in service for over 60 and 70 years respectively. Bank 2 has been out of service for more than a year now, causing reliability issues and de-rating the Rockwood units by 9 MW.

This project consists of the procurement and installation of seven (7) single-phase XFMR transformers to replace the existing ones at Bank 2, followed by the replacement of transformers at Bank 1 (in addition, a spare transformer is being considered in the procurement).

Also included as part of the project's scope of work is the installation of underground conduit and bank junction boxes for power distribution; the replacement of existing AC power cables, the existing battery bank and enclosure and pouring of replacement foundation for the battery bank; and the installation of a new DC distribution panel.

The SCADA design will entail a Real Time Automation Controller Platform inside the substation control house that will be communicating to the Bank 2 relays via fiber optic cable; the replacement of the existing GE D-20 I/O peripherals is also included.

The removal of existing equipment is also included in this project's scope of work.