ANDERSON RANCH DAM STATION SERVICE REPLACEMENT PROJECT

Project Summary and Scope

Anderson Ranch Dam and Powerplant is a multiple purpose structure that provides benefits of irrigation, power, and flood and silt control. The dam is 456 feet high and is on the South Fork of the Boise River, 28 miles northeast of Mountain Home. It has a total storage capacity of474,900 acre-feet (active413,100 acre-feet) and was the world's highest earth fill dam at the time of its completion in 1950. The power plant had a rated capacity of 27,000 kilowatts with two units installed. These units were up-rated in 1986, increasing the capacity to 20,000 kilowatts each for a total of 40,000 kilowatts.

Burke Electric was the Prime contractor responsible for the following work: Remove Station Service Unit Substation including transformers KSA & KSB, Switchgear DSA including main breakers & feeder breakers, Pull sections, Electromechanical devices, meter, control switches, relays, fuses, cabling, and other miscellaneous devices. Provide new Station Service Unit Substation including Medium voltage circuit breakers, step-down transformers, Main breakers, Feeder breakers, Transformer differential relays, CTs and PTs for protection and metering, Undervoltage relays, lockout relays, meter displays for voltage and ampere. Provide temporary power transformer, distribution board, conduit, supports and conductors. Replace medium voltage cable terminators (potheads) at Generator #1 and #2 Busses, Medium voltage cable from Generator #1 Bus to Unit Substation, Medium-Voltage cable from Generator #3 Bus to Unit Substation. Remove exposed transite conduits, replace power cables from Switchgear DSA to downstream panels and transformers, replace distribution panels, provide new transformer and panel for AC power feed to Control Board CSA, replace control cables and provide new cables from station service substation to cable spreading room below Control Board CSA. Furnish station service revenue meter and test switch for Government to install at Control Board CSA. Furnish station service breaker control switches for 52A and 52B, auto/manual selector switch, and voltmeter selector switch for Government to install at Control Board CSA

Equipment and Systems Overview

- Station Service Unit Substation
- Temp Power Transformer
- Distribution Board
- Conduit and Electrical Equipment

Offeror Role

Prime Contractor

Owner and Customer Information

United States Bureau of Reclamation
1150 N CURTIS RD BOISE, ID. 83706
Susanne Clark, *contract specialist*
208.378.5039 sclark@usbr.gov

Contract Amount & Type

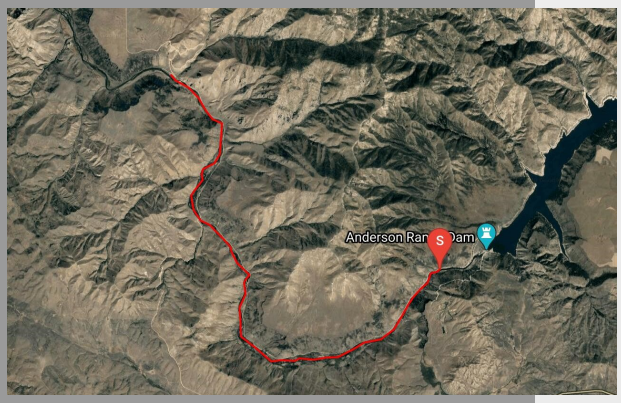
$1,594,851—*firm fixed price*

Project Start and Finish Dates

7/23/2015—3/31/2017

Project Location

Anderson Ranch Dam
27 miles northeast of Mountain Home, ID



Burke Electric Project Personnel

Eric Undseth, *General Foreman*
Andy Anderson, *Project Manager*
Dominic Burke, *COO*
Katie Morton, *Safety Manager*

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