

McNary Station Service Turbines

This project seeks to replace and rehabilitate the two station service turbines at McNary Dam.

This project will fully replace critical equipment to newest standards, with new 4160V stator, core and coolers; replacement of exciter and voltage regulator with new brushless system; new controls; minor mechanical rehabilitation of turbine, including wicket gates and greaseless bushings; governor pumps; addition of HPOIS; and refurbished bearings.

Currently McNary Dam is in the early stages of a modernization including 36 systems consisting of the generation and associated power train equipment. Replacement of the main unit transformers and windings is complete, and upgrade of the station service distribution system is in construction. Upgrade of the station service units was scheduled to run concurrently with the turbine installation project but a recent issue with Station Service 01 has impacted that strategy, and work to restore the station service reliability must be accomplished now.