

Chief Joseph Exciter Units 1-16

The objective of this project is to provide fully functioning, modern excitation equipment to maintain efficiency and reliability of the sixteen generating units.

Exciter Units 1-16, installed in 1985, are at the end of their useable life. Spare parts are no longer available, and the exciters are difficult to maintain.

These exciters are obsolete, no longer supported by manufacturer General Electric, and the analog-style cards are unavailable anywhere in the U.S. Army Corps of Engineers (USACE) inventory. Equipment, which could potentially be used in Units 1-16, was saved from Units 17-27 when those units were replaced.

This project will replace the entire excitation system, including exciter cabinets (i.e., all control, interface, and auxiliary components, rectifier bridges and fans), PPT, and DC bus. Simultaneous RDC/LDC capability will be a critical component in this replacement.