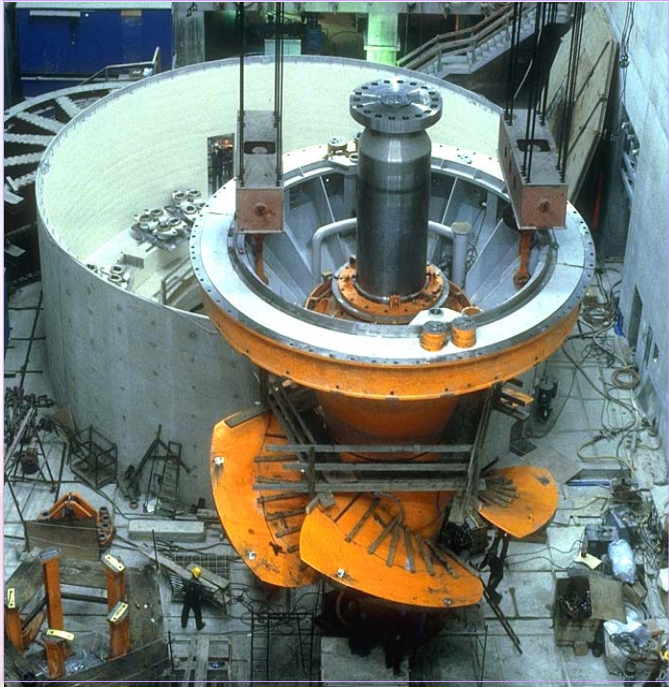


Powerplant Major Rehabilitation Analysis

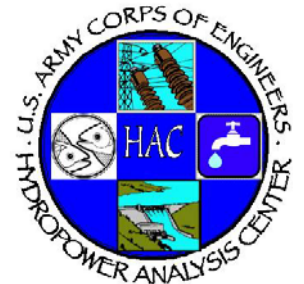


- *Hydrologic/Hydraulic Engineering & Modeling*
- *Unit Sizing & Optimization*
- *Generation Assessments*
- *Power System Modeling*
- *Economic Analysis*

- **Over 18 major projects evaluated thus far (over \$600 million of work completed, involving:**
 - **Turbine replacement/refurbishing**
 - **Generator Rewind and Governor Upgrade**
 - **Transformer/Switchyard Replacement**



**US Army Corps
of Engineers.**



Examples of Rehabilitation Projects

Under Construction:

- **Bonneville** (*Portland District*)
- **J. Strom Thurmond** (*Savannah District*)
- **Dardanelle** (*Little Rock District*)
- **John H. Kerr** (*Wilmington District*)
- **Garrison** (*Omaha District*)
- **Jim Woodruff** (*Mobile District*)

Under Design:

- **Whitney** (*Ft. Worth District*)
- **McNary** (*Walla Walla District*)

Under Planning:

- **Garrison, Omaha**
- **Denison, Tulsa**
- **Chief Joseph, Seattle**
- **Old Hickory, Nashville**
- **Fort Randall, Omaha**
- **Cougar, Portland**
- **Center Hill, Nashville**
- **Barkley, Nashville**

