

Whitney Lake Powerhouse Rehab, Texas

Purpose: Replace the two turbines, rewind and uprate the two generators, and replace necessary peripheral items and equipment within the powerhouse. The total increase in power output of the plant will be from 30 megawatts to 42 megawatts.

Sponsor: N/A

Congressional District: TX-17 Edwards

CONSTRUCTION, GENERAL

PROJECT NAME AND STATE: Whitney Lake (Powerhouse), TX (Major Rehab)

AUTHORIZATION: Flood Control Act of 1941 (PL 228, 77th Congress, 1st session)

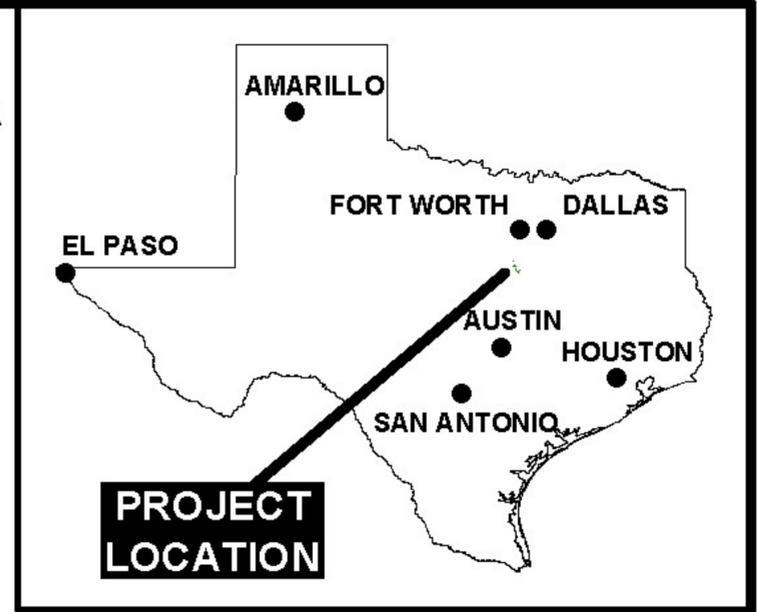
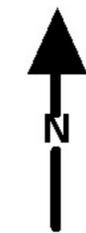
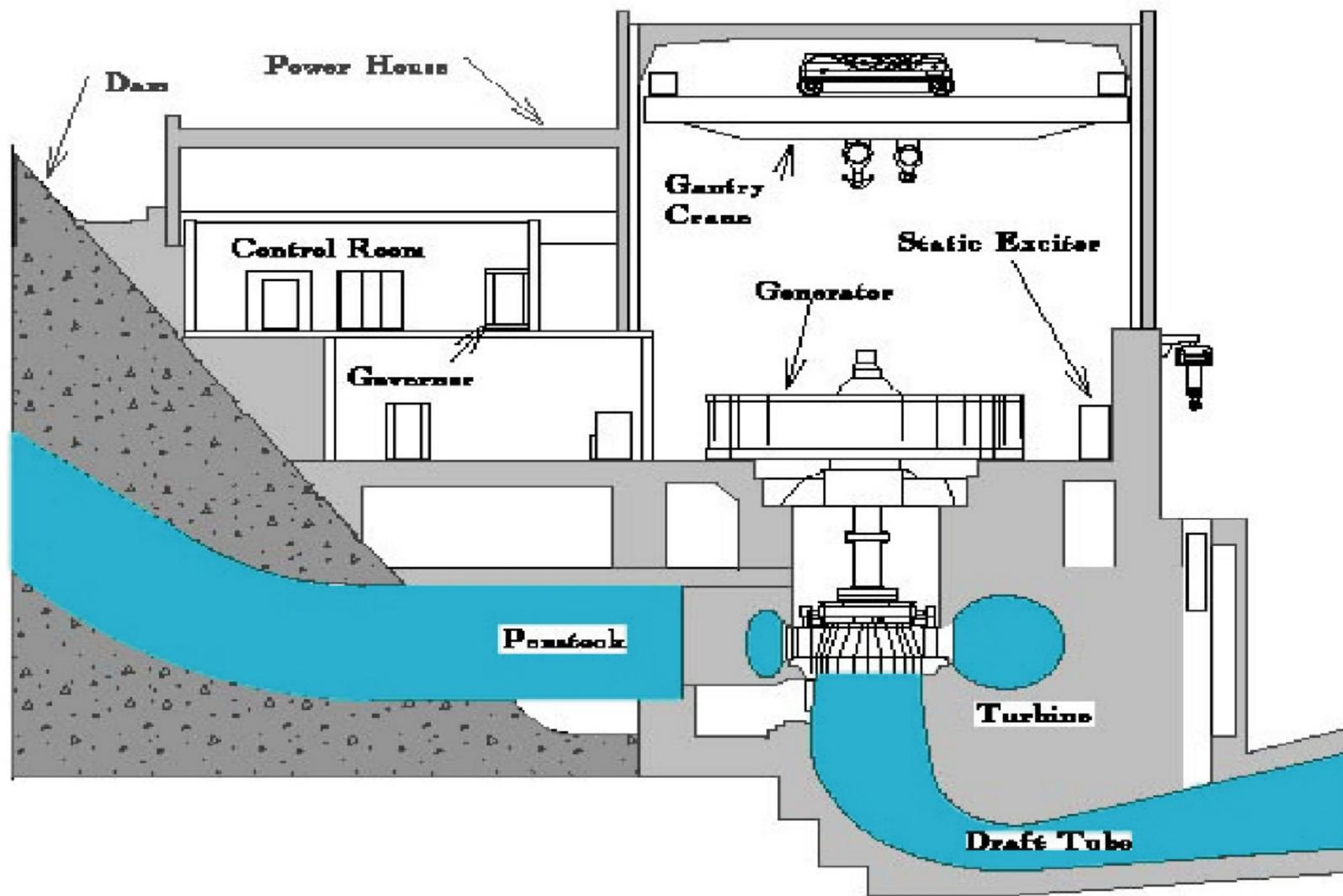
	FY 2006 Ongoing <u>Construction</u>
<u>SUMMARIZED FINANCIAL DATA:</u>	
Estimated Federal Cost	\$ 16,400,000
Estimated Non-Federal Cost:	0
Cash	(0)
Other	(0)
Total Estimated Study Cost	\$ 16,400,000
Allocation thru FY 2004	1,189,000
Budget Request for FY 2005	1,750,000
Allocation for FY 2005	1,554,000
Budget Request for FY 2006	0
Balance to Complete After FY 2006	13,657,000
Amount that Could be Used in FY 2006	3,010,000

LOCATION AND DESCRIPTION: The project is located on the Brazos River about 75 miles southwest of Dallas, Texas. The Whitney powerhouse is located at the dam, approximately 5.5 miles southwest of Whitney, Texas, on State Highway No. 22.

PROPOSED ACTIVITIES FOR FY 2005: The switchgear replacement and the powerhouse renovation project will be completed, and construction to replace the turbines and uprate the generators will be initiated.

APPLICATION OF THE AMOUNT THAT COULD BE USED IN FY 2006: FY 2006 capability funds in the amount of \$3,010,000 would be used to continue the upgrade of the turbines and generators and to continue construction of the project.

ISSUES AND OTHER INFORMATION: The project is to be 100 percent Federally funded with payback from the Southwestern Power Administration's sale of power. Reimbursement payments will be initiated at the completion of construction. The project includes replacement of the two turbines, rewinding and uprating the two generators, and replacing necessary peripheral items and equipment within the powerhouse. Less than the required funding of \$3.01M will cause delays in the installation of the new turbines and rewind generators. The delay in installation will result in a loss of at least \$1M per year to the Treasury during the time the units are down. It is expected that this reduction



PROJECT LOCATION

STATUS OF WORK (Percentage)

	Completed as of 30 Sept. 2003	Completed as of 30 Sept. 2004	Proposed With Funds Available for FY 2005
Entire Project	4	15	25

BRAZOS RIVER BASIN, TEXAS
 WHITNEY LAKE (POWERHOUSE), TEXAS
 (MAJOR REHABILITATION)
 1 JANUARY 2004
 U.S. ARMY ENGINEER DISTRICT, FORT WORTH, TEXAS
 SOUTHWESTERN DIVISION