

STEAM TURBINE GENERATOR OVERHAULS

AMERICAN ELECTRIC POWER



DESCRIPTION:

American Electric Power (AEP), with facilities throughout the midwest, northeast and southwest, is one of the largest providers of generated electricity in the continental United States. NAES has been providing field service overhauls of steam turbine generator plants based on a Master Service Agreement with AEP, and successfully completed four such overhauls on time and without a single safety incident or warranty claim. The projects were time sensitive with some performed on a two-shift, accelerated schedule basis.

SERVICES PROVIDED:

NAES performed the following overhaul projects for AEP:

- Welsh Unit 1 - Westinghouse 550 MW steam turbine generator (coal fired)
- Nueces Bay - GE 325 MW steam turbine generator
- Barney M. Davis - Westinghouse 325 MW steam turbine generator
- Laredo Station - Westinghouse 100 MW steam turbine generator

NAES provided scheduling, management, on-site supervision, tools, and craft labor to overhaul the units, which included the following components:

- HP-IP rotor
- LP rotor (two at Welsh)
- Stop valves
- Reheat / intercept valves
- Control valves
- Generator
- Auxiliaries
- BVW pumps / turbines

Some units required internal alignment, which was performed by NAES personnel.

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