



*Salem, Massachusetts, USA*

## Facility Summary

Two (2) 1 X 1 Combined Cycle  
Power Plant  
674 MW

## Salem Harbor Energy Center



## SALEM HARBOR—TEST INSTRUMENTATION & PLANT TESTING

This project consisted of two (2) power blocks, each having one (1) gas turbine generator, one (1) heat recovery steam generator with three pressure levels and natural circulation, one (1) condensing and reheat steam turbine generator, and one (1) steam air cooled condenser for a total of two (2) of each component.

### Project Issues

McHale was contracted by an EPC (Engineering, Procurement, and Construction) company to supply test instrumentation for plant testing per ASME PTC 46. However, due to poor performance this EPC was removed from site and a new EPC was selected by the owner. Based on working with Mchale previously with positive results, the new EPC turned to Mchale to help out with this project.

### McHale Contracted Tasks

Due to the status of the project and already being behind on the owner's expected timeline and because of trust previously established with other work, the new EPC turned to Mchale for the previous scope of instrumentation supply and additionally requested that Mchale support other scope including an evaluation of the performance for each of the components.

### Problem Resolution

McHale was able to successfully meet the short timeline, help get the new EPC in good standing with the owner from a performance perspective, and worked with the EPC to complete the Fired and Unfired testing for the plant and components within a reasonable period.

### Work Outcome

As a result of Mchale's expertise in performance, our good relationship with an EPC from a previous project, and Mchale's ability to operate successfully under tight timelines, Mchale helped change a troubled project into a successful project.