

Seawater Cooling System

Duke Energy-North America



LOCATION:

Moss Landing, California

SERVICES PROVIDED:

- Project Management
- Procurement Oversight
- Design Review
- Schedule Monitoring
- Budget Control
- Safety Program Monitoring
- Liaison Between EPC Contractor and Plant Management

PROJECT OVERVIEW:

Source California Energy Services, Inc. (SCES) provided project management services for installation of a \$60 million seawater cooling system in conjunction with installation of a new combined-cycle 1,000MW power plant. SCES acted as the Owner's representative responsible for overseeing the design, procurement and installation of the 9,000 feet of reinforced concrete cylinder pipe at Moss Landing Power Plant near Monterey, California. There were no lost time or OSHA recordable incidents on the job.

This challenging project included threading the 84-inch and 120-inch diameter piping through nearly 400 underground interferences at the site. Technical challenges of the project involved installation of a cofferdam to modify the intake structure, installation of a cathodic protection system and application of a high-tech pipe coating that provides biofoul prevention in the system. The 250,000 gpm system will be placed in service to support the startup of the new units.