

Selective Catalytic Reduction (SCR) Retrofit

Duke Energy-North America



LOCATION:

Moss Landing, California

SERVICES PROVIDED:

- Project Management
- Engineering
- Technical Support (I&C)
- Safety
- Managerial Consulting
- Cost and Scheduling
- Procurement

PROJECT OVERVIEW:

Source California Energy Services, Inc. (SCES) provided the project management for this Selective Catalytic Reduction (SCR) retrofit project entailing engineering, design, procurement, installation and commissioning an SCR system on two 750MW supercritical gas-fired units.

The scope of the SCR retrofit included modification to the boiler's mechanical draft systems, flue gas breeching, and combustion air ductwork for new forced draft and induced draft fans. Installation of a new equipment also included the catalyst reactor, ammonia injection grid, ammonia vaporizer, ammonia storage tanks, interconnecting piping, valves and fittings, unloading pumps, and transfer pumps and valving to allow access to stored ammonia.