

# SCR CATALYST REPLACEMENT

KANSAS CITY POWER & LIGHT CO.  
LA CYGNE POWER STATION  
LA CYGNE, KANSAS



## DESCRIPTION

The La Cygne Power Station consists of two B&W coal fired boilers. Unit 1 is a 893 MW cyclone-fired wet bottom supercritical boiler equipped with a selective catalytic reduction (SCR) system and baghouse. Unit 2 is a 685 MW opposed-fired dry bottom boiler with baghouse and wet flue gas desulfurization system.

## SERVICES PROVIDED

NAES Power Contractors was contracted by the owner to replace 624 catalyst units from the B&W designed Unit 1 SCR with 624 units of new “taller” catalyst media. As part of the work scope, installation of new relocated seals were required as well as relocating eight man doors and 48 sonic horns and associated air piping, insulation and lagging. Over 500 tons of fly ash were removed from the SCR and ductwork. In addition, during the project numerous additional repairs to the SCR were required.

- Developed innovative site specific equipment to assist in removing the old and installing the new catalyst media that minimized safety hazards and potential damage to media
- Completed project three shifts ahead of schedule

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