

Coalinga State Hospital Coalinga, California

Client: State of California
Department of General
Services

Scope: 1500-Bed Adult Correctional
Facility & Mental Health
1,200,000 sq. ft.

The project consists of a 1,500-bed mental health treatment facility and support buildings including central plant, maintenance, sewage and wastewater treatment facilities and water storage tanks. Also included are a major administration building, visitor's center and a PBX building. The project site is 115 acres.

Power for the facility is provided from the PG&E Coalinga substation at 12 Kv to the main switchgear in the central plant. From there power is distributed at 12 Kv in a loop configuration to pad-mounted transformers throughout the site. Emergency power is provided by four (4) 2000 KW, 4160 generators located in the central plant. The generators are connected to paralleling synchronizing switchgear. Power is distributed in a loop configuration to pad-mounted transformers located at various locations.

Electrical systems are state-of-the-art, with features that provide for reliability redundancy and power monitoring for all major systems. An optical fiber system is used to network the entire site.

