

## 1500 SVP Mental Health Facility Coalinga, California

**Client:** State of California  
Department of General Services

**Scope:** 1500-Bed Mental Health Facility,  
1,200,000 sq. ft.

**Budget:** \$350 million Construction Cost

**Completion:** April 2003

The project consists of 1500-bed mental health, treatment and support buildings including central plant, maintenance, sewage and water treatment facilities. Also included are a major administration building, visitors center and a PBX building. The project site is 115 acres. Power for the facilities is provided from PG&E Coalinga substation at 12Kv to the main switchgear in the Central Plant. From here power is distributed at 12 Kv in loop configuration to pad mounted transformers throughout the site. Emergency power is provided by 4 – 2000 KW, 4160 volt generators located in the Central Plant. The generators are connected to a paralleling synchronizing switchgear. Power is distributed in loop configuration to pad mounted transformers located at various locations. Electrical systems are state-of-the-art with feature that provide for reliability redundancy, and power monitoring for all major systems. An optical fiber system is used to network the entire site. The site also includes an extensive network of fiber and copper for telephone, data and life safety systems.

