

# CITY OF ANAHEIM ELECTRIC SYSTEM EXPANSION PROGRAM



**Sargent & Lundy Services:**

- ☐ Owner's Engineer
- ☐ Construction Management
- ☐ Construction Quality Assurance

City of Anaheim  
Anaheim, CA

Sargent & Lundy is supporting the City of Anaheim, CA in a major upgrade/expansion of its transmission and distribution system. Sargent & Lundy is serving as owners engineer and construction manager for a series of gas-insulated substation (GIS) projects located in both enclosed and outdoor facilities. These projects include the following:

- Park Substation – 69 kV/23.8 kV indoor/underground GIS, placed in-service in October 2006.
- Lewis - Vermont Project - 230kV/34kV GIS in an open-air substation and a 230-kV transmission line, scheduled to be completed Fall 2007.
- Anaheim Substation - 69 kV/13.8 kV indoor GIS located in downtown Anaheim, scheduled to be completed Spring 2008.

The City chose GIS technology to facilitate siting of these substations in residential and commercial neighborhoods, requiring 30% of the space of conventional open-air substations.

Sargent & Lundy's scope of work as owners engineer includes:

- Development of technical specifications.
- Bid evaluations.
- Technical review of EPC contractor submittals and vendor drawings.

As construction manager, Sargent & Lundy's services include:

- Construction contract administration.
- Construction quality control/quality assurance.



Construction of Park Substation Enclosure



Interior of Park Substation During Construction



Roosevelt Park  
Conceals the Completed Park Substation

The Park Substation is the first underground substation in the U.S. Located in East Anaheim, the substation sits below the two acre Roosevelt Park.

