

Technical Tour

Sylmar HVDC Converter Station

Thursday, March 23

Southern Terminal of the ± 500 kV, 3,100 MW Pacific HVDC Intertie.

In 1999 the Sylmar Partners (Los Angeles Department of Water & Power (LADWP), Southern California Edison (SCE), and the Cities of Glendale, Burbank, and Pasadena) decided to build a 500 kV, 3,100 MW Converter at the existing Sylmar East facility. This was achieved by upgrading and modifying the existing Sylmar East converters to the 3,100 MW converters and by using the existing control building and the valve halls and as much of the existing equipment as possible.



Aerial View of Sylmar Converter Station



The \$118 million project to upgrade the Sylmar Converter Station, which anchors the southern end of the 846-mile Pacific DC Intertie—one of the world's longest and highest rated transmission lines, was completed in December 2004. The modernization project involved replacing outdated technology and consolidating the facility into one location on the East side of the 5 Freeway. "

This facility plays a key role in providing additional energy resources to the greater Los Angeles area. Southern California receives hydroelectric power in the summer, when the southwest energy load peaks. During the winter, when the energy demand peaks in the northwest, excess energy can be sent northward.



Note: Visitor should wear long sleeve cotton shirt, with sturdy & comfortable shoes. Tour open to Transformers Committee Members residing outside the greater Southern California Area only. Must have photo ID and passed security check prior to boarding bus. Must provide PDF-format image of government issued photo id (driver's license for US resident, passport for non-US resident) emailed to bill.chiu@ieee.org at time of registration. Information must be received no later than February 17.

Bus Pick-up at Hotel Front Entrance

12:30 PM – Departing to Sylmar

1:30 PM – Arriving at Sylmar

3:30 PM – Departing from Sylmar

5:30 PM – Arrive back at Costa Mesa Hilton