SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL® Company

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Company Profile

Southern California Edison (SCE) is one of the nation's largest investor-owned electric utilities. Based in Rosemead, Calif., the utility has been providing electric service in the region for more than 120 years. SCE is a subsidiary of Edison International (NYSE: EIX), which also is headquartered in Rosemead. As of December 31, 2012, SCE had consolidated assets of $44 billion. SCE is regulated by the California Public Utilities Commission and the Federal Energy Regulatory Commission.

Kilowatt-hour Sales[1]

Class of service	kWh Sales (millions)	percent
Residential	30,563	34.6%
Commercial	40,451	46.0
Industrial	8,504	9.6
Public Authorities	5,196	5.9
Agricultural & other	1,676	1.9
Resale	1,735	2.0
Total	**88,815**	**100.0%**

Operating Revenue[1]

Class of service	Revenue (millions)	percent
Residential	$ 4,899	41.3%
Commercial	4,808	40.6
Industrial	638	5.4
Public Authorities	610	5.1
Agricultural & other	172	1.5
Resale	65	0.5
Sales of Electricity	**$ 11,851**	**100.0%**

Generation

As of Dec. 31, 2012, SCE generated about 25 percent of the electricity it provided customers, with an owned generation capacity of 5,419 megawatts. Major energy-producing assets include in the Big Creek hydroelectric facilities in Shaver Lake, CA And Mountainview Power Company, LLC, a natural gas-fired plant in Redlands, CA.

[1] Edison International 2012 Statistical and Financial Report

Service Territory

Southern California Edison serves more than 14 million people in a 50,000-square-mile area within Central, Coastal and Southern California.

SCE's service territory includes about 430 cities and communities— excluding the City of Los Angeles and certain other cities, with a total customer base of about 4.9 million residential and business accounts.

Power Grid

SCE maintains more than 115,000 miles of transmission lines. If you were to lay down the wires that make up SCE's extensive transmission and distribution network end to end, they would traverse the United States approximately 40 times.

Fuel Mix

The company provides electricity to its customers generated by the following fuel types: 21 percent natural gas; 7 percent nuclear; 20 percent eligible renewables (solar, wind, small hydro, biomass and geothermal); 7 percent coal; and 4 percent large hydroelectric. In 2012, SCE, the nation's leading purchaser of renewable energy, delivered nearly 15 billion kilowatt-hours of renewable energy to its customers.

Energy Efficiency & Demand Response

Over the past five years, SCE's 100+ energy-efficiency programs have helped customers save more than 8.6 billion kilowatt-hours. As of August 2013, SCE had at its disposal about 1,150 MW of peak reduction from demand response programs from roughly 19,000 business and 1.1 million residential customers.

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Load Research Status Report
Western Load Research Association Conference
San Francisco, CA – April 9-11, 2014

Organizational Location

Load Research is located in the Regulatory Operations Department, under Pricing Design and Research. Load Research consists of six analysts and one manager.

System Peaks

SCE is a summer peaking utility. SCE's all-time system peak is 23,163 MW which occurred on Friday August 31, 2007.

Year	MW	Date	Hour
2013	22,250	Sep 05	14:45
2012	21,814	Aug 13	14:00
2011	22,233	Sep 07	15:00
2010	22,594	Sep 27	14:15
2009	21,858	Sep 03	15:00

Load Research Samples

Rate Group	Original Sample Size	Current Population
Residential	10,000	4,289,700
GS-1 (Small C&I, <20kW)	10,000	499,300
GS-2 (C&I, 20-200 kW)	10,000	98,600
TOU-GS-3 (C&I, 200-500 kW)	8,000	8,000
Large Power (> 500 kW)	3,600	3,600
Agricultural/Pumping TOU	12,400	12,400
Agricultural/Pumping	800	14,700
St. Lighting & Traffic Control	modeled	50,200
	50,400	4,976,500

General Rate Case, Rate Design Phase

SCE will file its 2015 GRC Phase 2 (Rate Design) in June 2014. Load Research projects include: Rate Group Load Studies (3 years), TOU Pricing Period Study, Circuit Peak Analysis, various cost of service studies, Residential Rate Equity, Effective Demand Analysis (rate group contribution to circuit peak), Top 100 Hours Allocation Factors, estimating standby load for design of standby rate, various Dynamic Pricing studies, etc.

Current Activities

Residential Rate OIR supporting analysis, demand response estimated load drops, Alternative Fuel Vehicles OIR tracking new load and costs, Net Energy Metering cost effectiveness, building type profiles, tariffs/billing inquires, sales forecast, and other regulatory issues such as the Green House Gas initiative and Rate Design Window application.

Recurring:

Annual rate group load studies - primarily used in rate design for General Rate Case and the FERC filings.

Settlement with ISO and load profiling for Direct Access – daily production of aggregated load for Large Power and TOU-GS Rate Groups (C&I customers > 200 kW) utility bundled customers and profiles for Residential, GS-1 and GS-2 rate groups from 30,000 sampled accounts.

3rd party and customer requests for individual customer (>200kW) load data – about 150 a month.