



Edison International Backgrounder

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Leading the Nation in Renewable & Alternative Power

Delivering More Renewable Energy

Southern California Edison (SCE), Edison International's regulated electric utility, is the nation's leading purchaser of renewable energy. In 2008, SCE delivered 12.6 billion kilowatt-hours of renewable energy – 16 percent of its total power deliveries under California's Renewable Portfolio Standard guidelines. SCE buys more renewable power than any other utility, and any entire state.

Each year, SCE solicits offers of new competitively priced renewable energy for its customers. Since 2002, SCE has entered into 40 contracts that will result in up to 25 billion kilowatt-hours per year of renewable energy. Every major renewable technology has been successful in this process.

In February 2009, SCE negotiated one of the world's largest solar deals. The series of seven "power tower" projects will provide up to 1,300 megawatts of solar thermal energy. The projects will come on line in San Bernardino County, Calif., starting in 2013.

Another agreement is the largest wind energy contract ever negotiated by a U.S. utility. It secures for SCE customers 1,500 megawatts or more of power generated by new wind projects to be built in the Tehachapi area of California.



Renewable Energy Leadership

SCE purchases of renewable energy, which began in the 1980s, can deliver nearly 2,800 megawatts of electricity, including:

- 1,137 megawatts from wind.
- 906 megawatts from geothermal.
- 356 megawatts from solar.
- 185 megawatts from biomass.
- 200 megawatts from small hydro.

Included in SCE's renewable portfolio is more than 80 percent of all U.S. solar generation.



Renewable Transmission

SCE is building the nation's largest transmission project devoted primarily to renewable energy. The \$2.1 billion Tehachapi Renewable Transmission Project will provide up to 4,500 megawatts of electricity when completed.



World's Largest Solar Cell Installation

SCE has launched the nation's largest solar cell installation project. Subject to regulatory approval, the utility intends to place as much as 250 megawatts of advanced photovoltaic generating technology on two square miles of unused roofs of Southern California commercial buildings. The first of the planned 150 rooftop installations began supplying power to the Inland Empire region of Southern California in the fall of 2008. The second installation currently is under way. This unprecedented solar panel project eventually could provide enough renewable energy to power 162,000 average Southern California homes.

Clean Hydrogen Power Generation

SCE has proposed conducting the nation's first assessment of the feasibility of combining several advanced "clean coal" technologies in a full-scale commercial facility:

- Extracting low-emission hydrogen from domestic coal for use as a generation fuel.
- Using the hydrogen in a high-efficiency combined-cycle generating system.
- Capturing and sequestering up to 90 percent of the carbon in deep saline formations.

Edison Mission Group Wind Portfolio

Edison Mission Group (EMG), the power generation, capital and financial services arm of Edison International, has one of the largest wind energy portfolios in the United States. There are 25 projects currently in operation or under construction serving Arizona, Iowa, Minnesota, Nebraska, New Mexico, Oklahoma, Pennsylvania, Texas, Utah and Wyoming, as well as other states, and totaling more than 1,000 megawatts of generating capacity.

EMG is working through joint development agreements to advance wind projects in additional states, including Illinois, Maryland, Nevada, New York, West Virginia and Wisconsin.

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