



Southern California Edison Backgrounder

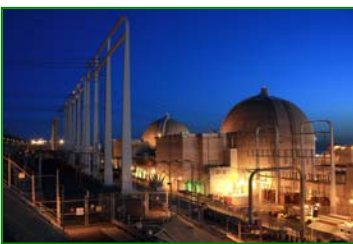
Corporate Communications: 626-302-2255, www.edison.com/pressroom



Southern California Edison's Nuclear Power Program

More than a quarter century of safe, reliable, cost-effective, "baseload" power with virtually no greenhouse gas emissions

The reactor units that make up Southern California Edison's (SCE's) San Onofre Nuclear Generating Station, located in San Clemente, Calif., passed a major milestone in the fall of 2007 – 25 years as Southern California's largest electricity source. The plant, jointly owned by SCE, San Diego Gas & Electric, and the city of Riverside, generates 2,200 megawatts of power, enough to serve 1.4 million average Southern California homes at a point in time. It has amassed a record of power generation surpassing all other plants in the region, producing more than 350 billion kilowatt-hours of electricity. The plant's reliability has been equally impressive. Between refueling outages, San Onofre's reactors have been available to help meet Southern California's energy needs 97 percent of the time.



"Baseload" Generation without Fossil Fuel Emissions

San Onofre provides baseload generation, meaning its power is a dispatchable source SCE

can use to help meet customer needs 24/7 regardless of weather variables that affect some renewable energy sources. The plant has become increasingly valuable since California adopted the most aggressive carbon reduction standards in the nation.

San Onofre emits virtually no greenhouse gases. As a result, during its quarter century of operation San Onofre has helped Southern California avoid approximately 180 million metric tons of greenhouse gas emissions, if replacement power had been generated by plants burning fossil fuels. The same achievement by the transportation sector would require that 900,000 cars be removed from Southern California freeways each year for this 25-year period. During the same period, the plant's operation has avoided approximately 100,000 metric tons of smog producing pollutants.



Cost-Effective Power

San Onofre helps control SCE customer costs by making available power generated by a domestic fuel source with stable pricing. The plant saves utility customers approximately \$250 million per year compared to the average cost of other available power sources. SCE forecasts that 18 percent of all the electricity SCE customers will need during 2009 will come from nuclear generation, helping the utility maintain a diverse generation portfolio and offset price spikes in other fuels.

SCE's '09 Forecast Gen. Mix

Natural Gas	51%
Nuclear	18%
Eligible Renewables	16%
Coal	10%
Large Hydro	5%
Eligible Renewables	9%
Geothermal	3%
Wind	3%
Biomass & waste	2%
Small hydroelectric	1%
Solar	1%

Maintaining Grid Reliability

San Onofre provides essential regional voltage support. Electricity providers face the same challenge as water providers – maintaining both an adequate supply and the needed "pressure" to deliver

that supply. Water companies maintain pressure by strategically placing water towers throughout the area they serve. Electric utilities ensure adequate electricity "pressure" by working to strategically locate generating facilities throughout their service territories. The San Onofre facility provides this grid "pressure" for Orange and San Diego counties.

Environmental Care

SCE is developing two of the nation's largest and most important new environmental projects as part of its operation of San Onofre – the San Dieguito Wetland Restoration Project near Del Mar, Calif., and the Wheeler North Giant Kelp Reef off the coast of San Clemente, Calif. The projects have produced breakthrough environmental science that serves as a model for coastal power plants.



Community Support

The plant provides support to the community in a variety of ways:

- More than \$200 million annually in direct economic benefits through 2,000 high-paying jobs for skilled workers.
- Approximately \$6 million annually in property taxes supporting local services.
- More than \$300,000 annually in employee and company contributions to local charities, plus thousands of hours of voluntary community service.

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