



Edison International Backgrounder

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Advanced Energy Strategies by Industry-Leading Environmental Stewards

Edison International subsidiaries Edison Mission Group (EMG) and Southern California Edison (SCE) operate dynamic power generation and distribution portfolios while practicing nationally recognized environmental stewardship. Here are examples of how this Fortune 200 company harmonizes these strategic objectives.

Leading Renewable and Alternative Power Advocates



SCE is the nation's leading purchaser of renewable energy – buying and delivering to customers 12.6 billion kilowatt-hours in 2008.

Wind energy projects are the fastest growing part of EMG's business. EMG is one of the largest U.S. owners of wind energy projects. Its wind portfolio includes 25 projects with a generating capacity of more than 1,000

megawatts either in operation or under construction. EMG has wind projects serving Arizona, Iowa, Minnesota, Nebraska, New Mexico, Oklahoma, Pennsylvania, Texas, Utah, Wyoming and other states.

The Nation's Largest Environmental Restoration Projects

SCE's man-made giant kelp forest off San Clemente, Calif., and wetlands restoration project near Del Mar, Calif., are expanding the boundaries of environmental science and providing 300 acres of new marine and wildlife habitat. They demonstrate that energy companies can create sustainable generation projects with a net positive environmental impact.



The Nation's Largest Commercial Rooftop Solar Project



SCE has completed California's largest solar rooftop installation – 33,700 advanced panels with a generating capacity of two million watts – and has proposed 150 such installations during the next five years.



Energy-Efficiency Leadership

SCE is a national leader in energy-efficiency savings. During the past three years, SCE's energy-efficiency programs have saved more than four billion kilowatt-hours – enough energy to power 580,000

homes for an entire year. The programs have reduced greenhouse gas emissions by nearly 2 million metric tons – the equivalent of removing 350,000 cars from the road.

Industry-Leading Intelligent Grid and Smart Metering Initiatives

SCE's industry-recognized advanced meter project, *Edison SmartConnect™*, will replace the utility's more than 5 million traditional meters with next-generation two-way communication devices



designed to help customers make smarter energy choices that will save energy and money, resulting in reducing peak energy demand and helping the environment. When fully deployed, SCE predicts the advanced system will shave as much as 1,000 megawatts off its customers' peak demand for energy. Several organizations – Department of Energy's GridWeek, Utility Planning Network, and the Electric Power Research Institute – have recognized *Edison SmartConnect™* as an industry and innovation leader.

SCE has designed and installed the nation's most advanced neighborhood electricity circuit, a functioning, real-world test bed for distribution circuits of the future.

Pioneering Advanced Electric Transportation

SCE operates the largest U.S. fleet of electric vehicles, almost 300 that have traveled more than 17 million miles, reducing greenhouse gas emissions by more than 9,100 tons and pollutants by more than 2,100 tons. The utility was first to convert a heavy-duty utility bucket truck to plug-in-hybrid capability in a project that led to a 14-utility consortium to build gasoline-hybrid heavy-duty boom trucks. SCE's vision is that drivers soon will fill up at the plug instead of the pump,



and its electric transportation engineers lead the national evaluation of how light cars and trucks will be fueled by the grid. SCE, Ford Motor Company and the Electric Power Research Institute are conducting a first-of-its-kind

collaboration to examine the future of plug-in hybrid-electric vehicles as part of a vehicle, home and grid energy system.

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