



FuelCell Energy
Ultra-Clean, Efficient, Reliable Power

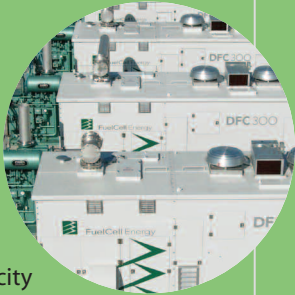
Sierra Nevada

problem: Sierra Nevada Brewing Co.™ set out to find stable, affordable, and reliable power for its state-of-the-art brewing facility in Chico, CA. Sierra Nevada also dictated that any new power system would not only have to be efficient, but environmentally-friendly.

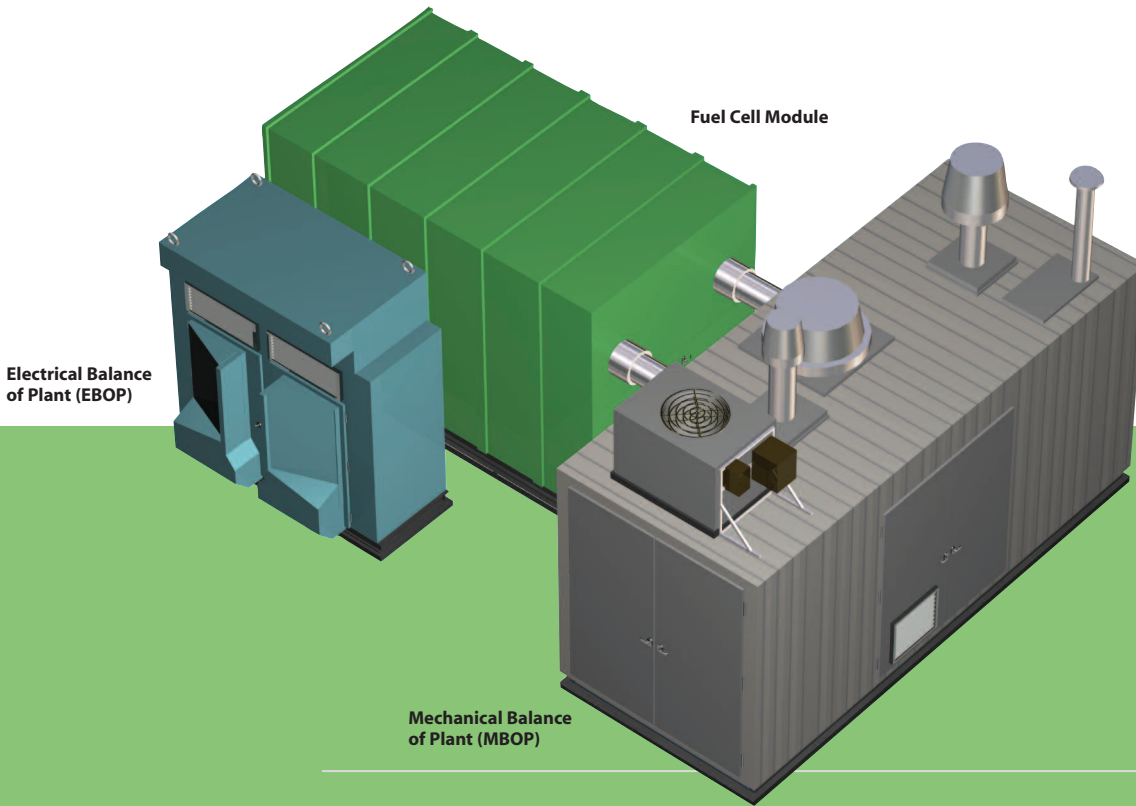
solution: They found the answer in a fuel cell that generates power on site — a one-megawatt (1 MW) fuel cell power plant from FuelCell Energy®. Designed to deliver reliable power with ultra-low emissions and quiet operation, the 1 MW power plant consists of four 250-kilowatt Direct FuelCell® 300 (DFC300®) power plants from FuelCell Energy. Waste heat is harvested in the form of steam and is used for the brewing process as well as other heating needs.

result: Digester gas generated in the brewing process augments the natural gas fuel used to power the fuel cells, providing a clean source of renewable energy for the system.

One MW of electricity supplies nearly 100% of the brewery's baseload power requirements. With this power plant, Sierra Nevada not only lowers its overall energy costs, but also eliminates air pollutant emissions equivalent to removing 500 gasoline-powered cars from the road every year. As a bonus, when the fuel cells generate more power than the brewery requires, Sierra Nevada sends excess electricity back to the grid system and receives credit for a portion of its generation costs. All of these factors led the facility to be named one of 12 "Top Plants" worldwide by *Power Magazine* in 2006.



About DFC Power Plants
Direct FuelCell power plants operate on a variety of fuels, including methane from biogas, waste gas from industrial processes, and natural gas.



Direct FuelCell power plants are comprised of three major functional elements: Electrical Balance of Plant, Mechanical Balance of Plant, and Fuel Cell Modules.

In addition to the power generation benefits of fuel cell technology, Sierra Nevada was also pleased to receive financial assistance for the new purchase. Approximately half of the system cost was offset through the Federal Investment Tax Credit (ITC) and a \$2.4 million subsidy from Pacific Gas and Electric as part of its Self Generation Incentive Program (SGIP), which assists customers installing clean on-site electric generation. The Sierra Nevada fuel cell project also received \$1 million in financial support from the U.S. Department of Defense Climate Change Fuel Cell Program.

About Sierra Nevada Brewing Company

Sierra Nevada Brewing Co. has a proud history as one of the pioneers of the craft brewing industry and as a brewer of award-winning beers since 1981. The brewery is driven to

operate in an efficient and environmentally sound manner. Sierra Nevada considers resourcefulness a company philosophy and has pioneered efforts to integrate environmental values into management decisions and practices. More information is available at www.sierranevada.com.

About FuelCell Energy

FuelCell Energy develops and markets Ultra-Clean power plants that generate electricity with higher efficiency than distributed generation plants of similar size and with virtually no air pollution. For more information on the company, its products, and its world-wide commercial distribution alliances, please visit www.fuelcellenergy.com.

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