



Calpine's commitment to environmental excellence in power generation is fundamental to our corporate philosophy and culture. It defines who we are as a company and how we serve our customers. Today, Calpine is one of the largest power generators in the United States, and our fleet of renewable geothermal and low-emitting natural gas power plants is among the cleanest in the nation.

The Geysers Facts at a Glance

World's Single-Largest Geothermal Resource Developed for Electric Generation

Supplies About 20% of California's Renewable Electric Generation

Generates About 40% of Geothermal Electric Generation in the U.S.

350 Steam Wells
58 Injection Wells

First Commercial Steam Well Drilled In 1954

15 Geothermal Plants
725 megawatts

350 Calpine Employees

Steamfields Cover More Than 40 Square Miles

80 Miles of Steamlines

www.geysers.com
NYSE:CPN

North America's Largest Geothermal Operation

Calpine Corporation is the nation's largest renewable geothermal power producer. The company operates 15 geothermal power plants in The Geysers region of Northern California and is capable of generating up to 725 megawatts of green energy around the clock. Calpine uses a natural, clean energy source - heat from the earth's interior - to produce electricity. Because geothermal power plants do not burn fossil fuel, they have an inherent environmental advantage and are helping meet California's clean air goals.

The Geysers Geothermal Operation

Located about 100 miles north of San Francisco in the Mayacamas Mountains, The Geysers is the single largest geothermal electrical operation in the world. A geothermal resource occurs when water deep below the earth's surface is heated by exposure to hot, porous, and permeable rock resulting in dry steam or hot water. At The Geysers, dry or superheated steam is produced.

Steam production wells, some greater than two miles deep, are drilled to tap this naturally occurring steam. Once the steam reaches the surface, it is piped overland to a network of interconnected power plants where it spins a conventional steam turbine that drives a generator to produce clean, reliable electricity for California.

Benefitting the Community and the Environment

The Geysers provides substantial long-term support to local economies through wages, purchase of supplies and services, property taxes and royalties. The project also provides support to community improvement projects, supports local 911 services and encourages many volunteer efforts by its employees.

Recognizing the importance of The Geysers, Calpine is expanding and sustaining production from this renewable resource through wastewater recharge projects in which clean, reclaimed wastewater from local municipalities is recycled into the geothermal resource where it is converted into steam for electricity production. This provides an environmentally sound wastewater discharge solution for neighboring cities and increases the long-term productivity of The Geysers resource.

About Calpine

Calpine Corporation is dedicated to providing customers with clean, reliable and cost-effective electricity. The company's energy centers have received support from regional chapters of the American Lung Association and Sierra Club, the Natural Resources Defense Council and the Environmental Protection Agency. As one of the nation's largest power producers, the company currently is capable of delivering nearly 25,000 megawatts of electricity to customers and communities in 16 states in the United States and Canada.