Committed to Sustainable Water Reuse Programs

Calpine, a recognized leader in developing low-impact, innovative and environmentally responsible methods to produce energy, also is pioneering public and private reclaimed water programs to protect renewable resources, conserve water and eliminate wastewater discharge into waterways.

Pioneering Reclaimed Water Programs; Protecting the Environment

Calpine understands that its role is not simply to harness the power of natural resources, but to protect them as well. Calpine was established on the premise that a strong commitment to the environment is inextricably linked to excellence in power generation and corporate responsibility. Since the company’s founding in 1984, Calpine has led the power industry in its unwavering commitment to clean, energy-efficient and renewable power generation.

A leader in developing sustainable water reuse programs, Calpine employs innovative technologies in partnership with wastewater treatment plants in a number of communities. These environmentally responsible processes help conserve water and prevent millions of gallons of wastewater from being pumped into local waterways.

In total, Calpine uses more than 11.5 billion gallons of reclaimed water every year in its energy centers throughout the country – including California, Texas, Minnesota and Florida. And, the company has invested more than $100 million in programs to protect and preserve water resources for future use.

The Geysers Geothermal Facilities - A Prime Example of Water Reuse

Calpine operates the largest complex of geothermal plants in the world at The Geysers, located in Sonoma and Lake Counties in California. The facility pipes in 11 million gallons of municipal wastewater from Santa Rosa each day – water that the city did not want to discharge into the Russian River. Calpine injects that wastewater into wells to continuously recharge the geothermal resource deep below the Earth’s surface. Steam from this resource powers turbines at the power plants. Today, this incredible system produces enough electricity to power the entire city of San Francisco, without diminishing California’s overstrained water supply.

New Project Incorporates Water Reuse Programs

The Russell City Energy Center in Hayward, Calif., the newest plant in Calpine’s fleet, is another example of how the company puts its environmental policies into action. This 619-megawatt, natural gas-fired energy facility uses reclaimed water from the City of Hayward’s wastewater treatment plant for cooling. This process conserves precious water and prevents up to 4 million gallons of wastewater from being released into San Francisco Bay daily.

About Calpine

Calpine Corporation is America’s largest generator of electricity from natural gas and geothermal resources. Our fleet of 88 power plants in operation or under construction represents nearly 27,000 megawatts of generation capacity. Serving customers in 18 states and Canada, we specialize in developing, constructing, owning and operating natural gas-fired and renewable geothermal power plants that use advanced technologies to generate power in a low-carbon and environmentally responsible manner. Our clean, efficient, modern and flexible fleet is uniquely positioned to benefit from the secular trends affecting our industry, including the abundant and affordable supply of clean natural gas, stricter environmental regulation, aging power generation infrastructure and the increasing need for dispatchable power plants to successfully integrate intermittent renewables into the grid. We focus on competitive wholesale power markets and advocate for market-driven solutions that result in nondiscriminatory forward price signals for investors. Please visit www.calpine.com to learn more about why Calpine is a generation ahead – today.

www.calpine.com
NYSE: CPN

Calpine's Water Reuse Programs at a Glance

More than 11.5 billion gallons of reclaimed water are utilized each year throughout the country.

Calpine has invested more than $100 million in programs to protect and preserve water resources.

Steam from reclaimed water is used to generate electricity.

Water reuse programs prevent millions of gallons of wastewater from being discharged into local waterways.

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