Fuel Cells for Wastewater Treatment Facilities

Using renewable biogas from wastewater process to generate clean power; converting waste disposal problems into cost savings for municipal water treatment facilities

Improves Wastewater Treatment Process

- Supports treatment process with predictable power and heat generated on-site for the facility
- Enhances site’s energy resiliency with continuous supply of power
  - Not dependent on weather or time of day
- Turn-key solution, including the cleaning and processing of renewable biogas from the treatment process before being used by fuel cell system

Generates Savings

- Affordable power priced as much as 20% below grid prices
- Avoid capital investment; no upfront expenditure, only pay for power as it is produced
- Highly efficient combined heat and power (CHP) further supports economics

Avoids Clean Air Permitting Challenges

- Ultra-clean power using chemistry, not combustion
  - Avoids criteria pollutants
- Supports sustainability initiatives
- Achieves ZERO carbon footprint

For more information, please visit: www.fuelcellenergy.com
Sales Inquiries: info@fce.com
SureSource Solutions

Delivering Customer Satisfaction

City of Riverside, California

- The 1.4 megawatt fuel cell plant cleans and utilizes biogas from the wastewater treatment process to generate carbon-neutral power and heat for the facility.
- The City of Riverside, California pays for the power produced under a power purchase agreement (PPA), generating immediate savings, avoiding a capital outlay and eliminating a waste disposal issue.
- The continuous power profile of the fuel cells enhances the facility’s energy resiliency with affordable on-site power and supports the treatment process; using approximately two thirds of the biogas generated to generate about one third of the total power needs as well as heat used for the anaerobic digesters.
- Avoidance of current and future clean air permitting challenges as fuel cells utilize an electrochemical process that produces power in a manner that is virtually absent of criteria pollutants such as nitrogen oxide (NOx) that causes smog, sulfur dioxide (SOx) that contributes to acid rain, or particulate matter that can aggravate asthma.
- Complete turn-key solution where FuelCell Energy installed, operates and maintains the fuel cell power plant, including the cleaning and processing of the renewable biogas.

Financing & Service

- Power Purchase Agreements – Avoiding the capital investment of on-site power generation by paying for power as it is produced.
- Long-term Service Agreements – FuelCell Energy performs all operation, maintenance and service of the SureSource power solutions on behalf of customer.

ABOUT FUELCELL ENERGY

FuelCell Energy (NASDAQ: FCEL) delivers efficient, affordable and clean solutions for the supply, recovery and storage of energy. We design, manufacture, undertake project development, install, operate and maintain megawatt-scale fuel cell systems, serving utilities, industrial and large municipal power users with solutions that include both utility-scale and on-site power generation, carbon capture, local hydrogen production for transportation and industry, and long duration energy storage. With SureSource installations on three continents and millions of megawatt hours of ultra-clean power produced, FuelCell Energy is a global leader with environmentally responsible power solutions.

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