



FuelCell Energy, Inc. Direct FuelCell® Power Plant Serving the DNC/Fleet Center

Powering the Convention with Clean Fuel Cell Energy

BACKGROUND:

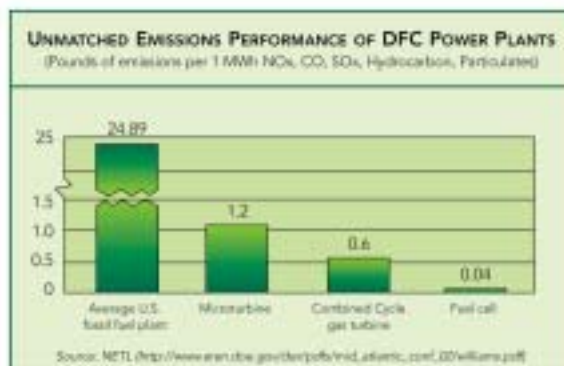
FuelCell Energy, Inc. (NasdaqNM), was invited by the mayor’s office and the DNC planning staff to provide one of our Direct FuelCell® (DFC®) power plants as part of the temporary distributed generation micro-grid power supply required for the DNC event. FuelCell Energy, based in Connecticut, is a world leader in the development and manufacture of fuel cell power plants for clean, efficient and reliable electric power generation (www.fce.com). The DNC unit was manufactured with components sourced from Connecticut, Massachusetts and New York.

The fuel cell will provide up to 20% of the power necessary to serve the major network communications, media pavilion and other convention operations. The 250-kilowatt unit – enough electricity for up to 150 typical households – will demonstrate that a significant amount of clean power is being provided from an efficient, reliable and quiet resource. FuelCell Energy has installed *more than 30 fuel cells comparable to the DNC unit* around the globe, generating more than 40 million kilowatt hours at customer sites.

CLEAN, EFFICIENT & QUIET

The Direct FuelCell produces *99.9% less harmful air pollution* (nitrogen oxide and sulphur dioxide) and 59% less carbon dioxide than traditional fossil fuel power plants currently operating throughout the Northeast U.S. FuelCell Energy units are certified as “*ultra clean technologies*” under the California Air Resources Board 2007 standards. Other characteristics include:

- **High fuel efficiency** – uses *50 percent less fuel per kilowatt-hour of electricity* than conventional power plants.
- **Quiet operation** – sound levels are comparable to a commercial air conditioning unit (65 decibels within 10 feet).



CONVENTION LOCATION



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The fuel cell (along with appropriate signage) is located at the northwest corner of the Fleet Center building adjacent to the temporary facilities of the major TV news networks. The unit has a footprint of approximately 10 feet by 30 feet and is 10 feet high. A FuelCell Energy representative will be at the site to meet with news reporters and other interested parties.

HOW IT WORKS

Process:

Fuel cells are like large batteries. They are electrochemical devices that efficiently convert chemical energy in a hydrogen-rich fuel to electric power and heat. While typical batteries have a fixed supply of energy, fuel cells are like large continuously operating batteries that generate electricity as long as fuel is supplied. Since the fuel does not burn, there is no pollution commonly associated with the combustion of fossil fuels. The only by-products from producing electricity are water, a minimal amount of carbon dioxide and negligible amounts of other emissions. DFC power plants are hydrogen generators and because of this are ready today and do not require the creation of a hydrogen infrastructure.

Numerous Practical Uses:

As evidenced by the DNC application, fuel cells are ideal resources for power in constrained urban areas where emissions, noise and reliability are important factors. FuelCell Energy units are in place and operating at hospitals, university campuses, hotels, municipal wastewater treatment facilities, breweries, and data processing centers. A similar 250 kW unit is operating at the U.S. Coast Guard station on Cape Cod (Bourne, MA).

Other Fuels:

While the unit at the DNC operates on natural gas, DFC power plants can operate on a variety of fuels. Units have operated on biogas from wastewater treatment plants, propane, coal mine methane and synthetic coal derived gas. FuelCell Energy is presently working with the U.S. Navy to develop a system capable of operating on marine diesel fuel to power the next generation of naval vessels.





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CONTACT INFORMATION

For additional information about FuelCell Energy's plans for the convention contact:
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