Fuel Cell Technology Update – January 6, 2000

To: Reporters, editors and investors following business, energy, automotive and technology news.
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TRANSPORTATION APPLICATIONS

California Fuel Cell Partnership to Build Vehicle and Fueling Facility. The California Fuel Cell Partnership announced plans to construct a headquarters office in West Sacramento to house fuel cell electric vehicles and a hydrogen refueling station. The 55,000 square-feet facility is expected to open in the fall of 2000. Up to 16 test cars will be provided by partnership members DaimlerChrysler, Ford, Honda and Volkswagen.

Westminster City Council Buys Zevco Fuel Cell Vehicle. The Westminster City Council in London has purchased a hydrogen fuel cell vehicle that will be used as a maintenance van in Westminster’s 123 parks, gardens and open spaces. The vehicle is powered by a Zevco 5 kW alkaline fuel cell which accelerates to 50 km/h in 15 seconds and carries a maximum of three people.

Other Headlines:
- DaimlerChrysler Plans Fuel-Cell Car Price Near $18,100
- Ballard Receives CAN$575,000 Order from Hyundai
- General Motors Donates Fleet of Suburbans to Engineering Schools

STATIONARY POWER

FuelCell Energy Selected To Provide a Direct Fuel Cell Power Plant. The Los Angeles Department of Water and Power (LADWP) selected Fuel Cell Energy Inc. to install a Direct FuelCell™ 250 kW fuel cell plant in Los Angeles. The plant will be installed within the next 9 months, assuming adequate financing.

Energy Ventures Claims Direct Methanol Fuel Cell Breakthrough. Energy Ventures Inc.’s Canadian subsidiary, EVI, has filed a Canadian patent application relating to what it calls major breakthrough developments in direct methanol fuel cells (DMFC), which should result in an initial 30% to 40% improvement in the system’s power output.

Other Headlines:
- Northwest Power Systems Unveils Fuel Cell System
- Avista Labs and UOP Partner for Fuel Cell Development
- DCH Technology Expands Fuel Cell Operations
- Ling Electronics Introduces New Product Line

(more)
Toshiba Developing Fuel Cell System That Consumes Gasoline. Toshiba Corp. is developing a prototype fuel cell system that extracts hydrogen from gasoline. Toshiba is working with United Technologies Corp. and plans to supply the new systems to automakers in Japan.

Stuart Energy Presents New Hydrogen Fueling Appliances. Stuart Energy has unveiled its hydrogen Community Fueler, a compact, modular hydrogen generator, designed to provide high pressure, high purity hydrogen fuel for 35 cars.

Other Headlines:
Proton Energy Systems Announces Breakthrough in Production of Hydrogen
Bolliger and Coatema Engineering Develop Lab Coating Unit for Fuel Cell Components

MISCELLANEOUS

GE MicroGen Signs Fuel Cell Contracts with New Jersey Resources and Flint Energies for Distribution. New Jersey Resources (NJR), through its unregulated affiliate NJR Energy Holdings, and Flint Energies (GA) have entered into a contract with GE MicroGen, to be their exclusive energy partner for distributing residential and small commercial fuel cell systems in New Jersey and Georgia. Early next year, GE will begin delivering pre-commercial systems to NJR and Flint for testing and demonstration within their territories.

Energy Secretary Designates FETC as Newest National Laboratory. U.S. Energy Secretary Bill Richardson designated the Federal Energy Center in Morgantown, West Virginia, and Pittsburgh, as the Department’s 15th national laboratory. The two research facilities are 65 miles apart, but are operated as a single entity and will be renamed the National Energy Technology Laboratory.

Other Headlines:
Manhattan Scientifics’ Micro-Fuel Cell Named ‘Technology of the Year’ by IndustryWeek.
Reader-Friendly Book about Fuel Cell/Hybrid Cars

Fuel cells generate electricity without combustion by harnessing the energy created when hydrogen and oxygen are chemically combined. Fuel Cells 2000 is an independent, nonprofit activity dedicated to the commercialization of fuel cell technologies.