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**King County
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KING COUNTY DIRECT FUELCELL® DEMONSTRATION USING DIGESTER GAS

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BACKGROUND

Following over 20 years of research and development with several fuel cell technologies, FuelCell Energy, Inc. (FCE) selected the carbonate-based Direct FuelCell® (DFC®) for advanced development, product design and commercialization in markets worldwide. The company was made public and traded on the American Stock Exchange beginning in 1992 to raise capital for advanced development & demonstration, and establishing a prototypic manufacturing facility in central Connecticut. With many thousands of hours of test at subscale levels, a MW-class DFC was successfully tested in a 2 MW proof of concept examination in 1996-7 in Santa Clara, CA. Information acquired from this test proved sufficient for establishing a commercial DFC stack design. Two commercial stacks were tested at FCE, providing a portion of the company's headquarters facility power.

FCE is currently conducting a commercial field trial program for 300 kW, 1.5 MW and 3 MW products. This program is supplying complete fuel cell power plants for commercial field operations by early adopters of this technology. Presently, sixteen field trails have been selected by these adopters using a variety of fuel systems, electric only and cogeneration applications, and grid parallel and alternate configurations. These trials are being sited in the U.S., Europe and the Orient. The first MW-class field trial will be conducted at King County, Washington. Commercial orders will be accepted at the end of 2001 for the 300 kW product, followed a year later for the MW-class products.

KING COUNTY PROGRAM GOAL

King County initiated a fuel cell demonstration program in 1998 with the overall objective of siting a carbonate fuel cell power plant at its Renton Wastewater Treatment Facility. Following a reconfiguration of the program in 2000, Fuel Cell Energy was selected to supply a 1 MW DFC

plant to King County. The program is funded by the U.S. Environmental Protection Agency, King County and FuelCell Energy, Inc.

Project objectives are to demonstrate the carbonate fuel cell using a DFC plant and anaerobic digester gas in a grid parallel configuration. The plant will be operated in cogeneration mode, with all electricity and heat consumed by the waste treatment facility. It is intended to verify electrical efficiency, unattended & quiet operation, and an environmentally benign emissions profile.

Plant construction begins at the Renton facility during the second quarter of 2002, with plant operations to commence in the fourth quarter. The plant is to operate for at least one year. The County may exercise an option to retrofit the plant for a hybrid DFC/gas turbine demonstration.