



## Sheraton San Diego Hotel & Marina

ACHIEVING HOSPITALITY SUSTAINABILITY OBJECTIVES WITH CLEAN, AFFORDABLE ON-SITE ENERGY

The Sheraton San Diego Hotel & Marina in California has 1,053 rooms with 141,400 Sq. Ft. of meeting space. This facility is part of the Marriott International, Inc. The hotel and surrounding facilities consume approximately 10 million kilowatt hours of electricity with 27,000 MMBtu's of natural gas. BioFuels Energy, LLC ( BFE), an energy developer, has installed (2) Doosan PureCell fuel cells at the hotel to provide approximately 7 million kilowatt hours of electricity representing 70% of the hotel's usage along with providing free heat from the fuel cells for heating and cooling. BFE's fuel cell system is estimated to save the hotel in excess \$250,000/year in combined electricity and natural gas savings.

## PROJECT OVERVIEW

### EQUIPMENT

PureCell® Model 440 combined heat and power solution

### INSTALLED

840 KW - September 2017

### LOCATION

San Diego, California

### PROVIDES

- Continuous power for electrical needs
- Heat recovery for space heating, cooling process and domestic hot water.

#### Yearly Environmental Benefits (compared to traditional energy sources)

- CO2 saved: 2.2 million lbs., NOx saved: 6,600 lbs.
- H2O saved: 2.8 million gallons \*