

The **Dominion**  
**Bridgeport Fuel Cell:**  
 Cleanly, Quietly &  
 Efficiently Supplying  
**14.9 Megawatts** of  
**Continuous Power** to  
 the Electric Grid

*An output adequate to  
 power ~15,000 homes*



## BENEFITS

- Generates environmentally-friendly power that is **virtually absent of pollutants** that cause smog (NOx), contribute to acid rain (SOx) or aggravate asthma
- **Enhances resiliency** of electric grid with local power supplied underground to three substations
- Converts unused brownfield site into the highest **property tax payer** for the City of Bridgeport per square foot
- Achieves a **low carbon footprint** due to the high efficiency of fuel cells
- Occupies only a 1.5 acre parcel in an urban area; one tenth of the space needed for solar!
- Exemplifies private capital providing public benefits
- Displays clean energy leadership with a highly visible location that attracts worldwide attention

## PROJECT HIGHLIGHTS

- Operational since December 2013 and constructed in only 12 months
- Owned by **Dominion** (NYSE: D), one of the largest utilities in the U.S.
  - *Achieved availability upwards of 95% in first year of operation – one of the highest in Dominion’s entire fleet*
- **FuelCell Energy** (NASDAQ: FCEL) manufactured, sold, constructed and installed the five fuel cell power plants
- **Eversource** (NYSE: ES) purchases the electricity generated by the fuel cell park under a 15 year energy purchase agreement
- **United Illuminating Company** (subsidiary of Avangrid, NYSE: AGR) owns the three substations that receive power from the fuel cell park
- **Connecticut Green Bank** provided financial support to the fuel cell project including multi-year financial support to FuelCell Energy



# ADVANTAGES OF FUELCELL ENERGY POWER PLANTS



## AFFORDABLE

- High efficiency reduces fuel costs
- Combined heat & power (CHP) further increases efficiency



## CLEAN

- Virtually free of pollutants as fuel cell power generation avoids combustion
- Low carbon profile when operating on clean natural gas and carbon neutral when operating on renewable biogas



## EASY TO SITE

- Modest space requirements
- Quiet & vibration free operation makes plants an unobtrusive neighbor in urban or heavily populated areas

## ENHANCED GRID RESILIENCY

- Lessens/avoids reliance on transmission
- Capable of operating independently from electric grid

**Dominion** is one of the nation's largest producers and transporters of energy, with a portfolio of approximately 24,300 megawatts of generation, 12,200 miles of natural gas transmission, gathering and storage pipeline, and 6,500 miles of electric transmission lines. Dominion operates one of the nation's largest natural gas storage systems with 933 billion cubic feet of storage capacity and serves utility and retail energy customers in 14 states.



**FuelCell Energy** is an integrated fuel cell company with an expanding global presence on three continents. The company is a leader in designing, manufacturing, selling, installing and servicing ultra-clean, highly efficient stationary fuel cell power plants for distributed power generation. FuelCell Energy plants provide megawatt-class on-site power and utility grid support, helping customers solve their energy, environmental, and business challenges. Its plants are operating in 50+ locations and have generated over four billion kilowatt hours of electricity.