



Generating Clean Onsite Power Helps Coca-Cola Bottling Co. Achieve Sustainability Goals

The Coca-Cola Bottling Company climate protection strategy is dedicated to utilizing advanced methods to ease the environmental effects of its operations. In 2010 the company began testing fuel cells as a means to boost energy efficiency, supply cleaner, more efficient power to its operations, lessen carbon emissions and protect the planet.

As part of this global corporate commitment to the environment, two Coca-Cola bottlers – located in Elmsford, New York and East Hartford, Connecticut – each installed a pair of Doosan PureCell Model 400 units to deliver reliable power, reduce water consumption and benefit the environment.

At the Elmsford plant, the third largest Coca-Cola bottler in the world, two PureCell units have been providing 35 percent of the electricity and heat required to operate the facility since 2010. The units are capable of operating independent of the local electric utility, so if there's a power outage, the fuel cells will continue to provide power to the facility until grid power is restored. The Doosan on-site power plants have helped the company lower energy costs, conserve water and natural resources and continue to demonstrate leadership as an environmental steward.

QUANTIFIABLE ENVIRONMENTAL BENEFITS

Elmsford, NY Annual Facility Savings

3 Million
Gallons of Water



The PureCell units have conserved approximately 3 million gallons of water annually since they were installed at the Elmsford facility – compared to the consumption of water by utility generation.

2,635 Metric Tons
of Carbon Dioxide



The two PureCell units have annually reduced the plant's carbon footprint by 2,635 metric tons; the equivalent of planting 546 acres of forest.

PROJECT OVERVIEW

EQUIPMENT

Two PureCell® Model 400 combined heat and power solutions

INSTALLED

July 2010

LOCATION

Elmsford, New York

PROVIDES

- Continuous power for electrical needs
- Heat for process loads and space heating
- Grid independent backup power

“Coca-Cola is focusing on implementing green innovations and initiatives to reduce our company’s overall environmental footprint at each step of our operations. Use of these fuel cell systems at our Elmsford facility is one way in which we are working to achieve our 2020 environmental goals.”

John Lacy
Sales Center Manager
Coca-Cola Refreshments



Doosan Fuel Cell THE CLEAN ENERGY YOU COUNT ON

The Doosan PureCell® Model 400 System provides clean, reliable, continuous energy for buildings and microgrids. The solution can provide electricity and heat completely independent from the utility grid, keeping critical operations running in the face of power outages from manmade and natural disasters.

From single unit applications for commercial buildings to multi-megawatt installations for data centers, industrial facilities and microgrids, sustainable fuel cells enable building owners and operators to maximize return-on-investment by generating continuous, secure energy efficiently.

The scalable Doosan PureCell System is a clean-tech marvel, providing a complete energy solution that generates combined cooling, heat and power (CCHP). The PureCell System produces 440kW of clean, electricity and 1.7 million Btu/h. of usable heat from natural gas with unmatched reliability.

Doosan offers end-to-end support for developing the right clean energy solution for your business, including initial energy needs assessments, project management, installation, around-the-clock monitoring and innovative financing solutions. With our broad experience in numerous industry sectors, geographies and operating environments, our team will partner with you to help achieve your energy goals now and in the future.

Doosan Fuel Cell America engineers, manufactures and tests each PureCell Model 400 system at its Connecticut headquarters, which, combined with the 50-plus years of fuel cell development and applications experience of United Technologies, Corp., results in a cost-efficient clean energy source that reduces greenhouse gasses, lowers air emissions and saves water.

CONTACT DOOSAN TODAY.
Let's discuss ways we can make
clean energy a reality for your business.



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10-Year
Cell Stack Life

20-Year
Service Plans

90%
System Efficiency

98%
Fleet Uptime

12
MILLION HOURS
of Fleet Field Operation