

Grocery Stores

Fuel Cells and Grocery Stores

Grocery stores require constant uninterrupted power to keep their goods fresh. Sustained power outages potentially cost stores tens of thousands of dollars per day in food spoilage and lost revenue.

Fuel cells utilizing our nation's resilient natural gas infrastructure are ideal power solutions for grocery stores. Fuel cells can provide uninterrupted power, even when the grid is down, while helping stores reach their emissions reductions goals.

Benefits

Fuel cells generate electricity using an electrochemical reaction, not combustion, and when pure hydrogen is used, there are no polluting emissions, only water and heat as by-products.

Fuel cells can provide primary power, backup power or combined heat and power (CHP) to a facility. The heat fuel cells generate as a byproduct can be used for space heating, hot water, or run through an absorption chiller for air conditioning or refrigeration, providing even more efficiency for stores that have to keep food cold or fresh.



Price Chopper's first fuel cell in Colonie, New York

Since fuel cells can be installed either grid-connected or in parallel to it, providing reliable power without disruption due to grid failure or blackouts. This allows a store to continue its operations, and grocers to keep refrigerators and freezers running to prevent the expensive spoilage of goods.

Current Fuel Cell Customers

Current customers of fuel cells for stationary / back-up power applications at grocery stores include:

- **Albertson's** – Operates a 400 kW in San Diego, California.
- **Price Chopper** – Has 3 stores in New York state that each have a 400 kW fuel cell system providing power.
- **Safeway** – Has installed a 200 kW fuel cell in its Santa Cruz, California location.
- **Stop & Shop** – Has deployed a 400 kW fuel cell system in East Torrington, Connecticut and a 250 kW in Mt. Vernon, New York.
- **Star Market** – Operates a 400 kW fuel cell system in Chestnut Hill, Massachusetts.
- **Whole Foods** – Has two stores in Connecticut (Glastonbury – 200 kW, Fairfield – 400 kW) with fuel cell systems. One store in San Jose, California, and one in Dedham, Massachusetts each with a 400 kW fuel cell unit as well.