PotomacEdison®
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EmPOWER MARYLAND

Case Study

# Sheetz

Savings by the Numbers

**$117,942**
Total incentives

**912,789**
Annual kWh savings

**$73,023**
Estimated annual savings

## The Opportunity

Sheetz, a popular family-owned and operated convenience retailer, has always been committed to making a positive impact on the communities it serves. As part of that mission, the company has now made sustainability and energy efficiency part of fulfilling that goal. Having worked with Potomac Edison's Energy Solutions for Business Program on previous efficiency projects, Sheetz knew just whom to call when it decided to make energy-saving control system upgrades to 17 Maryland stores across Washington and Frederick Counties.

## The Project

To determine how to make the most practical energy upgrades, Sheetz worked with the Energy Solutions for Business Program engineering staff to review its usage and incentive options. "We wanted to expand upon our previous upgrades and really take our efficiency improvement program to the next level," said Eric McCrum, Manager of Energy Projects at Sheetz. "The Energy Solutions team helped us get there."

## The Solution

When the projects were complete, all 17 Sheetz locations had greater control over their energy management and could spend less time making manual adjustments that waste energy. From lighting upgrades that provide an appearance boost to its stores, to HVAC upgrades that increase the comfort of its customers and employees, Sheetz has found that energy efficiency upgrades go beyond just saving money.

## Energy Equivalencies

**24,518**
Incandescent lamps switched to LEDs

**109**
Average homes' electricity use for one year

**82,306,533**
Number of smartphones charged

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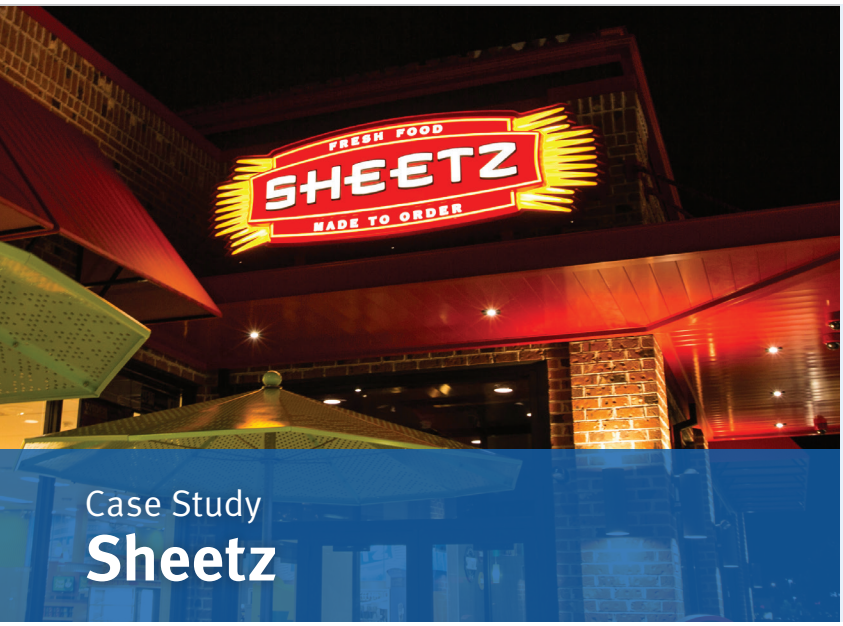


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**Eric McCrum**
Manager of Energy Projects at Sheetz

## Upgrades Up Close

The following upgrades were made to help the stores manage their energy usage more efficiently:

- **Variable frequency drives** on the rooftop units reduce supply fan speed, saving energy and maintaining comfort.
- **Demand control ventilation** optimizes fresh air, taking advantage of free cooling when the outside air conditions meet the preset parameters.
- **Enterprise-level thermostat** establishes optimal levels for air conditioning and heating comfort, eliminating energy waste associated with manual adjustments.
- **Smart defrost controls** on freezers prompt heating coils to run only when needed, rather than on a set schedule.
- **Exterior lighting controls** remove the need for a fixed schedule by automatically adjusting the run times based on sunlight levels and geographical location.

## Questions?

Visit energysaveMD-bizsolutions.com or call 855-801-5803 to discover how your business or organization can save.

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