

CASE STUDY

PARTNERS IN POWER

BREWING UP ENERGY EFFICIENCY AT FRESH ROASTED COFFEE

PPL Electric Business Energy Efficiency Program



Project overview

When various factors began limiting their potential for growth, Fresh Roasted Coffee partnered with the PPL Electric Business Energy Efficiency Program. Through available incentives, the company implemented a new compressed air system and solar panel installation, achieving energy cost reductions of 80% to 90%.

Just the facts

\$260,857.91

Incentives paid

965,316

Annual kWh savings

\$220,592

Estimated annual savings

A fresh cup of potential

For Andrew Oakes, coffee is more than an energy boost – it's a passion that has evolved into a mission to make high-quality, ethically sourced coffee accessible to everyone. As CEO, he realizes that by focusing on energy efficiency, Fresh Roasted Coffee will be able to minimize their environmental impact, ensuring a legacy of sustainability for generations to come.

A sustainable approach to the daily grind

Andy turned to the PPL Electric Business Energy Efficiency Program for guidance. After a comprehensive energy assessment, he identified incentive options for compressed air systems and solar panel installations. These incentives supported his goal of lowering operating expenses and aligned with his broader vision of positioning Fresh Roasted Coffee as a leader in sustainable coffee manufacturing.

The transformation

Today, every inch of their 84,000-square-foot facility benefits from renewable energy. The incentives from the PPL Electric Business Energy Efficiency Program were used to:

- **Upgrade to a modern, high-efficiency compressed air system** equipped with variable-speed drives and leak detection to dramatically reduce energy consumption.
- **Install 1,310 solar panels** that are capable of producing 900,000 kWh of energy annually.

Working together for a cleaner future

This project was a perfect example of our commitment to helping Pennsylvania businesses on their journey to energy efficiency. By collaborating with Fresh Roasted Coffee, we helped them deliver environmentally friendly coffee – roasted to perfection.

Annual kWh savings are equal to:



Greenhouse gas emissions from **1,651,567** miles driven by an average gasoline-powered passenger vehicle



Carbon sequestered by **651** acres of U.S. forests in one year



CO₂ emissions from **72,977** gallons of gasoline consumed

Source: U.S. Environmental Protection Agency

“The upgrades have been huge for us. From a business standpoint, it's something I'm really proud of. We're generating over 750,000 kWh of clean energy a year, and that puts us on track to be one of the cleanest coffee roasters in the country.”

—Andy Oakes, CEO, Fresh Roasted Coffee



Ready to write your own success story?

Visit ppllectric.com/BusinessRebates or call us at **1-866-432-5501** to learn how your organization can save energy and money – while making a lasting impact in your community.

The costs of energy efficiency programs are recovered through customer rates in accordance with Pennsylvania Act 129 of 2008. PPL Electric Utilities assumes no responsibility for the performance of the equipment or equipment warranty, the quality of the work, labor and/or materials supplied, and/or the acts or omissions of any contractor.



PPL Electric Utilities