



Building Community

A photograph of a large industrial warehouse interior. The floor is concrete, and the ceiling is high with exposed steel trusses and numerous bright overhead lights. In the foreground and middle ground, there are several large, cylindrical spools of material, likely wire or cable, painted in a bright red color. Some spools are stacked, and others are standing upright. The background shows more of the warehouse structure and some equipment.

JEA's Electrification Rebate Program

helps manufacturer maintain a healthy working environment and save money.

Flying W Plastics, founded in 1984 and headquartered in West Virginia, is a prominent manufacturer of polyethylene pipe products. Their extensive produce line serves various applications across North America, including water, gas, oil, sewer, geothermal, and conduit systems. In 2020, recognizing the need for expansion, the company established its second manufacturing facility in Jacksonville, further solidifying its position in the industry.

When Nicholas Dent, Company Executive for Flying W Plastics, learned about JEA's Electrification Rebate Program, he felt the opportunity was too valuable to overlook. The rebates allowed the company to acquire new assets and enhance their working environment.

"JEA's program allows you to identify a business problem, address it, and obtain money for implementing a solution," Nicholas said. "As Flying W Plastics makes money, we want to put it back into the company to maintain a healthy working environment for our employees and provide them with nice equipment to work with."

Over the course of three years, Flying W Plastics submitted multiple custom projects through JEA's Electrification Rebate Program. The company has received rebates for one floor scrubber, six injection molding extruder machines, one Tinius machine, one Coiler, one microwave furnace and one pelletizer. JEA also conducted comprehensive load studies on certain machines that operate continuously throughout the year, even during holidays. These load studies involved installing metering devices to monitor and record the electrical load added by the machines over an extended period. By capturing precise kilowatt-hour readings, JEA could accurately assess the actual power consumption and electrical demand of the machines during the study period.

Results

The upgrades implemented across Flying W Plastics' 169,000-square-foot facility have had a positive impact on employee morale and productivity, according to Nicholas. One notable improvement was the installation of 40 fans to enhance cooling and improve working conditions in areas where employees spend the most time. Nicholas acknowledged that this initiative would not have been feasible without the financial support received through JEA's Electrification Rebate Program. The rebate funds enabled the company to invest in creating a more comfortable and efficient work environment for their team.

"We made it our mission to put that money back into the company to continue to grow the business, promote a healthy work environment and help utilize feedback from our employees to address issues we may be having," Nicholas said. "It's really a win for not only the company, but our employees as well."

Flying W Plastics will continue to take advantage of future rebate opportunities due to the positive outcome and the seamless experience of participating in JEA's program, Nicholas said. He also recognizes that businesses unfamiliar with the program may be reluctant to participate, but strongly recommends they pursue the valuable opportunity.

"It made so much sense for Flying W Plastics to participate in a program that allowed us to get so much out of it and further help our business in ways we didn't know we could," he said. "The process is so simple that you will not regret the time it took to participate."

Making a Big Impact: Environmental Impact of Flying W Plastics' Electrification Upgrades

For perspective, the lifetime savings Flying W Plastics will experience is equivalent to:



1,342,211 miles driven by a gas-powered vehicle



68 homes' energy use for one year



182 tons of trash recycled instead of landfilled



8,678 tree seedlings grown for 10 years



613 acres of U.S. forest preserved in one year

Learn more about JEA's Electrification and Business Rebates Programs. Contact us at 844-212-7822 or visit jea.com/businessrebates.



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Equipment Upgrades & Savings

Equipment Installed: 1 Scrubber, 1 Tinius Machine, 1 Coiler, 1 Microwave Furnace, 1 Pelletizer and 6 Extruder injection molding machines.

Total Rebate Amount: **\$467,536**

Annual Fuel Savings: **\$62,822**

Lifetime Fuel Savings (assumes a 10-year lifespan): **\$620,221**

