



# JSB Industries



“ENGIE has been a key navigator on our path to sustainability since 2010, identifying and implementing energy efficiency measures, keeping us up to date on technology, and engineering solutions specifically tailored to our specialty bakery operations.”

Brian Anderson, VP of Technology

## THE OPPORTUNITY

JSB Industries, a national one-stop bakery manufacturing operation, demonstrates a strong commitment to environmental stewardship, and has established and implemented a guide to responsible practices in all areas of its operations– the Green Initiatives Program. Family owned and operated since 1979, JSB Industries produces Muffin Town, Aesops Bagels, Smart Choice Whole Grain Baked Goods, SunWise Sandwiches, Madeline’s Gourmet Cookies, in addition to customized products for retail, supermarkets, and club stores.

Since 2010, ENGIE Services U.S. (ENGIE) has played an important role in realizing the company’s energy conservation goals, first achieving energy reduction through lighting efficiency improvements. To accelerate the company’s Green Initiatives Program, JSB Industries again called on their long-time energy services partner, ENGIE, in 2016 to upgrade their manufacturing facilities, reduce energy consumption, and meet new environmental sustainability goals.

## THE PARTNERSHIP

In 2010, JSB Industries partnered with ENGIE to implement a lighting efficiency upgrade project across their 72,000 square foot office space in Lawrence, MA, which reduced the company’s electricity consumption by over 160,000 kWh.

### Program Summary

- Gross Project Cost: \$259,000
- Utility Incentives: \$73,000
- Simple Payback: 4 years
- Annual Energy Savings: \$60,000
- Annual kWh savings: 275,000

### Energy Efficiency Measures

- Lighting
- Advanced Controls

After a successful implementation process aligned with their Green Initiatives Program, JSB Industries was ready to evaluate their additional energy savings potential with the latest in technology and equipment. In 2016, JSB Industries again chose to partner with ENGIE to roll-out comprehensive lighting and controls measures at a combined 185,000 square feet of manufacturing, office, and production facilities in Chelsea and Lawrence, MA, ultimately saving nearly twice as much energy as the initial project for a total reduction of 275,000 kWh each year. This reduction in kWh is the equivalent to \$60,000 in annual savings.

ENGIE replaced 632 fluorescent bulbs with high efficiency LED fixtures in both manufacturing and production areas and upgraded lighting fixtures in the administrative offices. An enhancement from the first phase of work, an additional integration of wireless controls was upgraded on all new lighting and thermostats, with the potential to save as much as 30% more energy. To ensure unoccupied rooms were not wasting energy, ENGIE engineers developed a one-of-a-kind HVAC rooftop unit application of the advanced controls system to achieve occupancy and scheduling of heating, ventilation and air conditioning systems.

### 3 DIMENSIONS OF IMPACT

ENGIE is committed to building three dimensions of impact in every customer's future:



#### Supporting People

- With brighter lighting and more flexible controls, JSB Industries' facilities are better equipped to provide a safer and more productive working environment.



#### Saving Money

- JSB secured \$60,000 of annual energy savings, with an additional capture of \$73,000 in utility incentives to help cover the upfront costs of the project.
- Due to the combination of savings and incentives, the program ROI was a very short, four-year payback.



#### Protecting the Environment

- JSB Industries' upgraded energy profile reduces their carbon emissions by 205 metric tons every year, the equivalent of removing the same amount of carbon from the atmosphere as 241 acres of U.S. forest for one year.

