



# CASE STUDY

## Saint-Gobain

### PROJECT AT A GLANCE:

- Demand savings: **1,385.79 kW**
- Total post-M&V reduction: **12,302,076 kWh**
- Estimated annual savings: **\$735,384**
- Total project incentive: **\$1,664,620**
- Payback period: **~9 months**

#### THE OPPORTUNITY

Saint-Gobain – world leader in the habitat and construction markets – designs, manufactures and distributes building materials. Comprised of 16 divisions in 64 countries, the organization has four manufacturing plants in Arkansas, three of which are in the Entergy Arkansas service territory. During construction of its newest plant in Bauxite, decision makers enlisted the help of a hired consultant and Large Commercial & Industrial Program representatives to determine how the energy efficiency of the site – and its sister sites – could be improved, focusing primarily on lighting and compressed air systems.

#### THE PROJECTS

While the need for energy efficiency improvements originated at Saint-Gobain's Bauxite facility, upgrades expanded to all three facilities within the Entergy Arkansas service territory. One of the upgrades required the team to develop a methodology to capture a new construction compressed air project, which had never been done before. To the right is a look at the breakdown of projects and the savings achieved.

Project	Savings (kWh)
Compressed air upgrade	9,501,329
Lighting upgrades	2,752,665
Other energy efficiency measures	48,082
<b>Total Post-M&amp;V Reduction</b>	<b>12,302,076</b>

#### THE RESULTS

The implementation of these projects resulted in significantly increased energy efficiency and an ROI that satisfied decision makers. Combined, these measures are equivalent to eliminating the annual greenhouse gas emissions from 650 passenger vehicles.

To learn more about how the Large Commercial & Industrial Program can help your company, visit [entergyarkansas.com/commercial](http://entergyarkansas.com/commercial).



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**Questions?** Contact the Energy Efficiency Solutions Center at 877-212-2420 or visit [entergyarkansas.com/commercial](http://entergyarkansas.com/commercial).