



2012

AEC Results:

Return on Investment

33%

Incentives - State and Utility

\$927,627.10

Additional Benefits

- Enhanced worker safety and working conditions
- Reduced Maintenance Costs

SABIC completes Energy Efficiency upgrade project

SABIC has completed a significant lighting and energy controls upgrade project at its Selkirk, NY manufacturing site with the help of a more than \$900,000 energy rebate from National Grid. This successful investment and collaboration helps support one of SABIC's key sustainability initiatives: reducing energy consumption and greenhouse gas emissions.

The energy savings from this project is equivalent to providing electricity to more than 200 homes in a medium sized American city annually, and reducing greenhouse gas emissions equivalent to removing more than 800 vehicles from the road annually.

Dom Perfetti, Selkirk Site operations manager said, "We are pleased to have completed this project on time and within budget. Electricity is the one of the largest levers we can use to reduce energy reduction and greenhouse gas intensity for the Selkirk site.

Collaborating with AEC and National Grid through an energy rebate helped turn this project into a reality. This type of collaboration is one excellent example of SABIC's efforts to drive sustainability in its operations, benefitting both our community and our business performance."

"National Grid is committed to assisting homes and businesses reduce their

energy use through a variety of energy efficiency rebates and programs," said William Flaherty, National Grid Director of Community and Customer Management. "SABIC's Selkirk facility is a perfect example of how National Grid can help businesses invest in efficient equipment that will ultimately save them money and reduce their energy use.

The project included replacing the existing lighting infrastructure with energy efficient lighting fixtures, lamps, LED's, occupancy sensors, controls, and an advanced computerized lighting management system throughout approximately 75 percent of the site to capture energy savings. The upgrade, which began in December of 2011, was completed at the end of 2012.

The energy savings are directly aligned with SABIC's sustainability goals recently announced in its Sustainability Report around establishing environmental performance targets for reductions in greenhouse gas, energy, water and material loss intensity in all its operations.

The project was developed, installed, and commissioned by AEC, a National Grid Tier 1 Energy Savings Partner (ESP), which performed a complete energy survey and analysis to identify potential energy conservation measures and then made recommendations to the company.



AMERICAN ENERGY CARE, INC.

Sustainable Savings for SABIC Plastics

Energy Conservation Measures:

- * Energy Efficient Lighting
- * Administration Building Energy Management
- * Technology Building Energy Management
- * Lighting Energy Management Control System
- * High Efficiency LED Lighting

Environmental Impact:

This project has led to the equivalent reduction of:

- * 13,969 Barrels of Oil
- * 3,225,360 Grams of Carbon Dioxide (CO₂)
- * 8,268,606 Grams of Tons sulfur dioxide (SO₂)
- * 194 Curries of Nuclear Waste
- * Removing 19,185 Cars From the Road
- * Planting 133,895 Trees

Key Benefits:

- * 55% Annual Energy Savings
- * 5,650,665 kWh Annual Savings
- * 605.94 kW Annual Savings
- * Reduced Maintenance Costs
- * Enhanced worker safety and working conditions
- * Extended equipment's expected life
- * Improved Comfort
- * Increase Building Value
- * Improve NOI

"We are pleased to have completed this project on time and within budget...Collaborating with AEC and National Grid... ..helped turn this project into a reality."

– Dom Perfetti,

Selkirk Site Operations Manager

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- As a one-stop energy services provider, AEC is staffed to provide personal attention and seamless delivery, from project inception to completion
- Professionals experienced at energy efficiency & giving our customers control, lowering costs and improving their working environments
- The only company who delivers a proprietary "4-D Process" to deliver optimized energy solutions
- Delivering turnkey installations and/or consulting services
- Specializing in lighting, high efficiency building controls and renewable energy
- Proven to dramatically reduce utility costs and facility operating costs while improving lighting, aesthetics, comfort and control
- Providing a full complement of services including auditing, consulting, installation, product design and manufacturing
- Recipient of numerous awards and citations for quality projects from private industry and government institutions
- Serving organizations ranging from municipalities to school districts to retailers and manufacturers across the Northeast
- Founded in 1991 by Jamie Thompson, President & CEO, who remains hands on to this day

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401 New Karner Road, Albany, NY 12205 • 518.869.6862 • save@aecenergy.com



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