



## GreenTech's Lighting Solutions Provide Kingsdown 73% Reduction in Energy Consumption

*GreenTech Solutions Group works closely with its clients to secure all rebates and incentives, leveraging against the project costs for a quick return on investment.*

**MEBANE, NC, August 24, 2016** – GreenTech Solutions Group succeeded in delivering a **73% reduction in annual lighting energy usage** for Kingsdown, Inc. with an LED lighting upgrade in the mattress manufacturer's plant. Kingsdown received **70% cost savings in rebates and incentives for the retrofit, bringing a quick 1.3 year payback period.**

Kingsdown's approach to manufacturing mattresses involves a steadfast commitment to sleep health – backed by research, data collection, and meticulous testing. The company used the same committed approach when they wanted to improve the lighting quality, efficiency, and lumen output for their 98,000-square foot plant in Mebane, NC and nearby corporate headquarters. GreenTech worked with Kingsdown by providing recommendations on eliminating T12 strip fixtures and aged metal halide highbays as well as **solutions to maximize critical production lighting. The result was more efficient lighting in key areas and balanced light levels across the plant.** The dimmable LED panel lights beautified the offices, shops, workout area, and cafeteria providing for customizable light levels as needed.



The financial benefits were equally as beneficial:

- 73% reduction in annual lighting energy usage
- 1.3 year payback
- 347,560 kWh reduction in annual lighting energy usage
- \$27,109 in annual operating savings
- 70% cost savings in rebates and incentives

“It was a pleasure to work with Kingsdown to design a lighting system to improve working conditions and reduce operational costs for their facility,” said GreenTech Solutions Group V.P. of Business Development Scott Jernigan. “We were able to secure various prescriptive and custom rebates through the Duke Energy Smart Saver program, along with generous USDA

REAP grants accounting for over 70% in additional savings and delivering a quicker return on their investment.”

“The product and service provided by GreenTech exceeded my expectations. Their team made the entire process extremely easy and they did not impact our ability to produce our product at all during the installation. From the planning stage all the way to the disposal of old equipment and clean-up, the project was well managed,” said Michael Shoe, Kingsdown V.P. of Manufacturing.

GreenTech also worked on Kingsdown’s headquarters, where offices, showrooms, and restrooms were retrofitted with LED panel lights. **These upgrades brought about a 75% reduction in annual lighting energy usage and operating costs with rebates and incentives resulting in impressive one-year payback period.**

“The detailed project prospectus they provided allowed us to easily present the project to our management team for the approvals needed to get this project going. Their knowledge of the incentives and rebates and assistance in completing the rebate applications was a key factor in selecting them for the job. After the project was completed, GreenTech followed up multiple times to make sure everything was performing as designed. They are a great company to do business with,” said Shoe.

GreenTech applauds Kingsdown for their progressive approach toward a more sustainable process to manufacturing. GreenTech President and CEO Glenn Edmonds said, “Kingsdown exemplifies an environmentally conscientious company that cares not only about making a quality product for their customers, but also about making an ecological impact in the process.”

**About GreenTech Solutions Group:** Founded in 2009, GreenTech Solutions Group is designed as a full-service consulting firm to deliver proven energy-efficiency solutions that reduce clients’ energy consumption, help protect our environment, conserve resources, and ultimately generate a timely return on investment. We specialize in cutting-edge energy-efficient lighting, alternative energy production, mechanical efficiency, energy management, water conservation, and more, planning and implementing projects for businesses of all sizes in every industry nationwide. For more information visit: <http://www.greentechsolutionsgroup.com/>

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