



Case Study - Lighting

Client – Manufacture – Green Bay, WI

Project – Site Wide Lighting Upgrade.

Situation – Our client was looking to upgrade lighting. They wanted a safer work environment for their employees and to increase energy efficiency.

Solution - Woodstone Energy managed a retrofit and replacement of the lighting systems that involved 8329 fixtures throughout multiple manufacturing facilities. In areas where the retrofit was not operational, we installed new fixtures to complete the conversion to T-5/ T-8 technology. Woodstone Energy also installed lighting controls and sensors, where operationally feasible, to achieve even more energy savings. All non qualifying client lighting standard fixtures over 175 watts were replaced or upgraded with state of the art T-5/T-8 fluorescent lamps.

End Result - Woodstone Energy's lighting upgrades created an annual electrical savings of 7,100,000 kWh and \$409,276. HVAC savings for 3 Billion BTU's and \$19,532*. The plant also saves an estimated \$32,772 in annual labor and materials costs due to fewer lamp and ballast replacements.

Finally, Woodstone Energy's lighting upgrades helped the Green Bay plant become eligible for a one-time tax deduction of \$456,973.00 as part of the Energy Policy Act of 2005 and Focus on Energy incentive of \$181,410.00.

* Based only on a HVAC three-month calculation, as savings are due to a reduced heat load during summer months.

Woodstone Energy is a leading provider of progressive energy conservation and sustainability solutions for small and large manufacturers throughout North America and around the globe. We are proud to be Women's Business Enterprise (WBE) certified.

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