

# Energy Saving Lighting Project Saves Money and Reduces Green House Gas Emissions

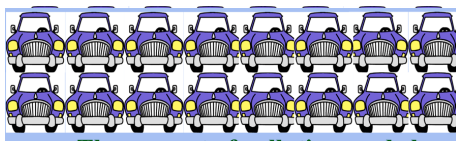
Beginning in 2010, Newfields Elementary spearheaded an effort to reduce the school's carbon footprint and reduce electricity costs. This effort culminated in an energy saving lighting and lighting controls project that has been completed. The project scope included the engineering and installation of high efficiency lighting and lighting controls in several rooms of the building including Room, 101, 102, 108, 109, 121 and 122. The Multipurpose Room was also retrofitted.

This project is expected to reduce the Newfield Elementary School's electric bills by **\$4,678.97 per year** and reduce the energy usage by **42,101 kilowatt hours** annually. These energy savings are the equivalent of:



The carbon sequestered by **318** tree seedlings grown for 10 years.

Or



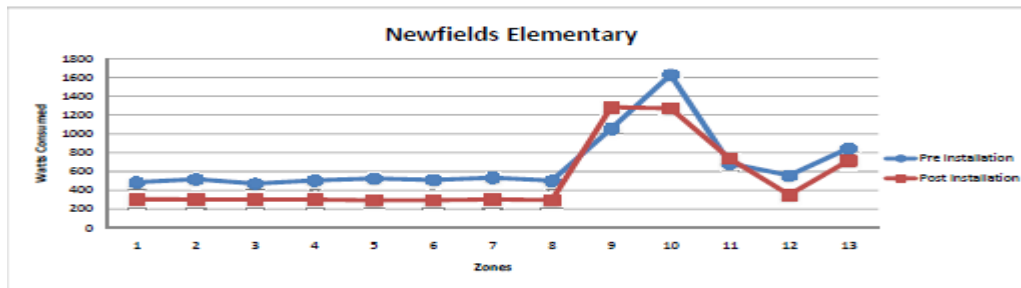
CO<sub>2</sub> emissions from **1,390 gallons** of gasoline consumed.

Or



Greenhouse gas emissions avoided by recycling **4 tons** of waste instead of sending it to the landfill.

To pay for this project, Newfields Elementary School leveraged funding from Public Service of New Hampshire (PSNH) and the Regional Green House Gas Initiative (RGGI). LighTec, Inc. of Merrimack, NH, provided the design and installation services and have completed a Measurement & Verification (which can be seen below), which show the savings before and after the project was finished.



**Note on Energy Use:** Zone 9-11m show higher post installation due to high lamp attrition in pre-installation condition.

Learn more about how you can become more energy efficient, save money on your electricity bills and reduce green house gas emissions at: [www.myenergyplan.com](http://www.myenergyplan.com); [www.nhsaves.com](http://www.nhsaves.com) ; [www.energystar.com](http://www.energystar.com); [www.energysavers.org](http://www.energysavers.org)

Learn more about the Regional Greenhouse Gas Initiative at [www.rggi.org](http://www.rggi.org)

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