
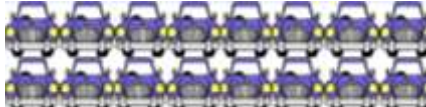



# Dunbarton Town Offices Lighting Project Saves Money, Improves Lighting Quality and Reduces Greenhouse Gas Emissions

You may have noticed that the Town Offices building looks a little brighter. It is. This is due to an energy saving lighting retrofit project completed in February, 2011. The goals of this project were to reduce the Town’s electricity bill; improve lighting quality; and allow work areas to be lighted only when in use.

The project scope included installing new, high performance T8 lighting systems to replace the 1970s vintage T-12 fluorescent fixtures and incandescent lamps. The project also involved designing a new lighting fixture layout to maximize the occupant’s visual comfort and added additional wiring to individually switch office space and to bring those areas retrofitted, up to code.

This project is expected to reduce the Town Offices electric bill by \$937 per year<sup>1</sup> and reduce the energy usage by 6,246 kilowatt hours annually. These energy savings are the equivalent of:

 <p>The carbon sequestered by <b>79.5</b> tree seedlings grown for 10 years.</p>	 <p>CO<sub>2</sub> emissions from <b>348 gallons</b> of gasoline consumed.</p>	 <p>Greenhouse gas emissions avoided by recycling <b>1 ton</b> of waste instead of sending it to the landfill.</p>
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To pay for this project, the Town leveraged funding from the American Recovery and Reinvestment Act (ARRA), Public Service of New Hampshire (PSNH) and the Regional Green House Gas Initiative (RGGI)<sup>2</sup>. LighTec, Inc. of Merrimack, NH, which was awarded the work through a public bidding process, provided the design and installation services.

For more information on the Town’s lighting efficiency project and for tips on making energy efficiency improvements in your home view the presentations on this page.



<sup>1</sup> Annual savings of 6,246 kilowatt hours (kWh) times an electric rate of .15 cents/kWh.