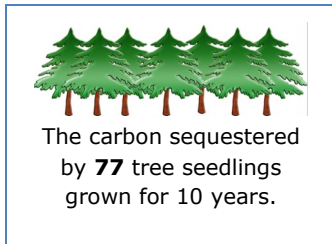


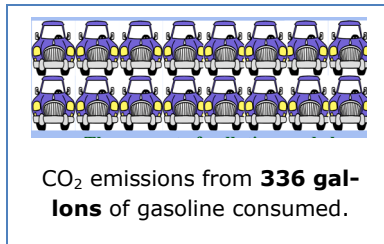
# Energy Saving Lighting Project Saves Money and Reduces Green House Gas Emissions

Mr. John Herick, the owner of Excalibur Co, in Hopkinton N.H, is always looking for methods to improve process efficiency within his plant. Beginning in 2009, Mr, Herick worked with LighTec, Inc., to improve lighting efficiency and to install a Motor Performance Controller in the plant's chipper motor. The first portion of the project involved upgrading the existing T-12 lamps to High Performance T-8 lamps in the office areas and restrooms. Motion sensors were also installed where needed. The second portion of the project involved installing a controller to ensure that the motor is operating at maximum efficiency when it is processing materials and when it is idling, creating an energy savings of up to 35 percent on average.

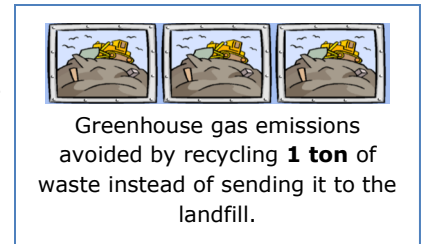
This project is expected to reduce the Excalibur's electric bills by **\$895 per year** and reduce the energy usage by **5,772 kilowatt hours** annually. This project is expected to reduce CO2 emissions by **3 tons** These energy savings are the equivalent of:



Or



Or



To pay for this project, the Excalibur leveraged funding from the Regional Green House Gas Initiative (RGGI). LighTec Inc.. of Merrimack, NH, provided the design and installation services. The pictures below show the chipper motor (on left) and the Motor Performance Controller on the right.



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.gov](http://www.energystar.gov); [www.energysavers.gov](http://www.energysavers.gov).

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

**LighTec, Inc.**  
An Energy Services Company