

CLEAN SCENE

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The Town of Glastonbury



INTRODUCTION

While the initial cost of installing systems to generate electricity from clean, renewable sources can be higher, doing so has a number of benefits. These systems reduce our dependence on fossil fuels imported from foreign sources, reduce the amount of greenhouse gases released into the atmosphere and, once installed, generate electricity at a fraction of the cost of purchased energy.

GLASTONBURY A LEADING CT COMMUNITY FOR CLEAN ENERGY TECHNOLOGY

Glastonbury was one of the first towns in Connecticut to sign up for and earn the designation of **Connecticut Clean Energy Community** by the Connecticut Clean Energy Fund. In order to qualify for that designation, the Town of Glastonbury has:



Signed up for the "20% by 2010" clean energy campaign – The Town has committed to purchase 20% of its electricity from clean, renewable energy sources by 2010. The Town and Board of Education are collectively purchasing renewable energy certificates representing 1,460,000 kilowatt hours of clean and renewable energy generated from wind power in 2009. That total, combined with the amount of clean energy already provided us from our regular supplier, means we are obtaining 17% of our total electricity from clean and renewable sources this year.

Committed to the US EPA Community Energy Challenge – This program is a national call-to-action to improve the energy efficiency of America's commercial and industrial buildings by 10% or more.

Achieved a qualification threshold through local support for clean energy – Glastonbury citizens and businesses can respond to this challenge by:

- ☞ signing up for clean energy in their homes. This can be accomplished through CTCleanEnergyOptions at:

<http://www.ctcleanenergyoptions.com>;

- ☞ purchasing clean energy for their business in 100-megawatt-hour (mWh) increments at:
<http://www.ctcleanenergyoptions.com>;
- ☞ purchasing a clean energy system for their business; and
- ☞ purchasing Green-e certified Renewable Energy Certificates for their business in 1-GWh increments.

Each of these actions earns points and, for every 100 points earned, the Town will receive a one-KW photovoltaic system provided by the Connecticut Clean Energy fund. The Town has, so far, earned 6 KW of photovoltaic power. A four-KW system has already been installed at Glastonbury High School and has been operating for over one year. That system generates nearly 6,000 kWh of electricity a year with an estimated cost avoidance of over \$1,000 per year. The performance of the system can be viewed at:

<http://view2.fatspaniel.net/FST/Portal/PVSquared/glastonbury/index.html>

The Town continues to research and evaluate other clean technology applications that make sense for our Town facilities. Technologies that have been or are currently being evaluated include fuel cells, photovoltaic systems, wind turbines, microturbines and other cogeneration systems.



GLASTONBURY'S GREEN INITIATIVES PROGRAM

Glastonbury's Green Initiatives program operates under the direction of the Town Manager. The committee is chaired by the Purchasing Agent and the Superintendent of Sanitation. Committee members from across Town departments participate and contribute ideas and suggestions committed to a "greener" community.

The committee assembles information about products and services and makes the information available to specific departments that can evaluate them and develop applications in Town projects with the approval of the Town Manager.

These "Go-Green" bulletins contain information about the results of product evaluations and other accomplishments of Town departments. We hope this information can provide you insight to the Town's green initiatives and also lead others in the community to find ways to use environmentally preferable products. Please contact us if we can help you with further information or if you have additional suggestions. ■

