



SSAFE CASE STUDY REPORT
Kendal at Hanover LED Bulb Initiative

Kendal: Kendal at Hanover

Location: Hanover, New Hampshire

Keywords: Climate change, energy reduction

Summary: Support achievement of Town of Hanover Climate Change compliance targets: 100% renewable electricity by 2030 and 100% renewable energy use (including for heating and transportation) by 2050.

Objective: The objective of the project is to reduce electricity consumption at Kendal by the introduction in all residences to the extent possible of 60 watt LED bulbs in table and floor lamps. This has included the switching of bulb use away from more energy consuming florescent and incandescent bulbs.

Project Description:

General description.

Brief description/characterization of community/campus

- Resident Independent and assisted care facilities
- number of residents: 400
- types of residences Apartments and cottages
- non-profit
- ‘Resident driven’ community

The project is intended to reach all resident apartments and many common areas.

Methodology (Activities, Steps):

This project was initiated by the Kendal Resident Facilities Liaison Committee and consists of a combination of volunteer administrative and technical advisory personnel to help residents determine any desirable switching from florescent and incandescent bulbs to less energy consuming 60 watt LED bulbs. Residents can secure 60 watt bulbs from the Kendal Facilities Department at no extra cost. Higher 70 watt, 90 watt and three-way LED bulbs are also available from the Kendal resident volunteer Clover Shop at low cost.



Senior Stewards Acting for the Environment

Initially, circulars were sent to all residents urging their participation in the LED bulb initiative, the support available to them if they needed it, and the importance of contacting the Facilities Department with the numbers of LED bulbs they required. We are now just approaching new residents urging their participation in the ongoing bulb program.

Funding Needed (Amount, Sources):

The Kendal Facilities Department provides 60 Watt LED bulbs to residents at no extra cost, and higher Watt LED bulbs are provided to residents at their own cost from a supplier to the Kendal Clover Shop.

Involvement or Support of Community Administration:

Personnel of the Resident Facilities Liaison Committee manage the project.

Key Challenges:

A main challenge is the project inability to reach and communicate with some older residents on the availability and use of resident volunteers to help determine their need for LED bulbs. We now hope for high participation in the program, but don't expect total coverage.

Outcome (Results):

To date the Facilities Department and Facilities Liaison Committee together managed to introduce 584 energy- saving 60 watt equivalent LED bulbs in apartments achieving over \$6,000 in Kendal electricity savings, calculated on an annualized basis.

Lessons Learned:

It will be important to continue the LED bulbs program with a focus on new residents that may bring with them older, less efficient, florescent and candescent bulbs in their desk and floor lamps.

Next Steps or Follow Up:

Kendal will soon be the focus of a major energy audit to help identify a range of ways it can help to introduce greater energy efficiency and compliance with its longer term Climate Change goals. This may well include other measures to reduce its overall lighting costs, and also other measures to reduce its electricity usage and costs. We will be looking for ways that resident volunteers can further contribute to the achievement of energy savings at Kendal.



Senior Stewards Acting for the Environment

Resources:

The LED program at Kendal operates on an entirely voluntary, no cost basis.

Photos:

[See below]



SSAFE.org | info@ssafe.org

This work is licensed under a [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-nc-sa/4.0/).