

Heineberg Senior Housing Burlington, Vermont



Project Type

Lighting Retrofit

Project Description

Heineberg Senior Housing is an 82-unit apartment building located in the New North End of Burlington, Vermont. While nearly all lighting at Heineberg was fluorescent, some technologies were outdated relative to new LED technologies, and most fixtures lacked any occupancy-based controls. Furthermore, special attention to lighting quality was warranted due to the elderly population. Both in-unit and common-area lighting were audited. This was a capstone project for the property; a final lighting upgrade that was left undone after the retrofit.

Engineering and Design

Commons Energy worked with an electrician, a lighting designer, and with the client's electrical utility to audit and design an updated LED lighting schedule complete with occupancy sensing controls in stairwells, hallways and common areas. In addition, some parking lights were upgraded to LED. Prior to this lighting work, thermal envelope work was done by Champlain Valley Weatherization Services.

Construction Management

Commons Energy assisted the client with overseeing the installation of lighting improvements and commissioned the project upon completion.

Project Partners

Cathedral Square Corporation, Burlington Electric Department, Donna Leban (Consultant)

Measurement and Verification

Commons Energy continues to monitor electricity use and provide annual performance verification reports.

Project Financing

The entire project was financed through Commons Energy and the project took advantage of utility incentives from Burlington Electric Department.

List of Improvements

- Stairwell LED lighting with integrated occupancy sensors
- LED lighting and occupancy controls for hallways, lobbies, laundry room, and common area restrooms
- LED parking light retrofits

Projected Savings

Improvements have reduced electric use and costs associated with lighting by 75%.

“Commons Energy services and financing are wonderful tools for the ongoing work in support of our mission to provide affordable and healthy homes, caring communities, and positive aging for Vermonters.”

Cindy Reid, Director of Development
Cathedral Square Corporation