



GCLF Projects #100-35
Harvard Real Estate Services, Residential
Soldiers Field Park Occupancy Sensor Installation
Project Completion Date: Summer, 2004

Project Overview

81 occupancy sensors were installed to ensure that lights are switched off when not in use. Occupancy sensors were installed in trash chute rooms, utility rooms, study rooms, and laundry rooms.

Project Goals

Reduce energy usage (69,642 kWh/yr) and resulting costs (\$6,964) and greenhouse gas emissions (114,213 lbs CO₂/yr).

Pre-Project Considerations

- Many lights in the Soldiers Field Park complex were left on when not in use.
- Occupancy sensors are a proven technology with well demonstrated energy savings.

The Project Process

Colleen Cannon, the property manager for Soldiers Field Park, noticed that lights were often left on continually in spaces that were only occupied periodically: rooms for utilities, trash collection, study, and laundry. One of Cannon's co-workers recommended the Green Campus Loan Fund as a way to tackle the problem. Mike Crowley with the Harvard Green Campus Initiative performed a walk-through of the building and agreed that occupancy sensors would be a good solution. Mike also recommended a lighting upgrade and helped identify utility rebates for both projects. Cannon requested proposals from contractors, then hired Building Technology Engineers to complete the project.

PROJECT SNAPSHOT

Description: Occupancy sensors were installed in the Soldiers Field Complex.

Departments: Harvard Real Estate Services, Residential

Project Executive: Colleen Cannon, Property Manager

Finances

- Total Project Cost: \$17,900
- Rebate: \$2,490
- **Annual Savings: \$6,964**
- Payback: 2.2 years

Environmental Impact Reduction

- 114,213 lbs CO₂ / yr

Lessons Learned

- Contacting residents prior to starting work was helpful.
- A good contractor led to a smooth, successful project.



Lessons Learned

- Residents of Soldiers Field Park were notified before work began so that they were aware of the changes and also informed about the energy savings. Feedback was uniformly positive.
- Two of the sensors had to be repositioned, but there were no major glitches.
- The contractor performed all work smoothly.
- The whole process went very well – no complaints!

For More Information

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