

Boulder Valley Unitarian Universalist Fellowship | Lafayette, CO



Powered by:
EnergySmart
Xcel Energy Small Business Lighting Program
Xcel Energy Engineering Study Assistance Program

“We strive to align our resources with our values, and our objective is to reduce through efficiency the consumption of electricity and natural gas from fossil sources. Eventually, we hope to generate our own electricity by taking advantage of the abundant sunshine that falls on our property in Lafayette.”

Overview

Boulder Valley Unitarian Universalist Fellowship is a progressive, environmentally aware congregation occupying a church facility built around the 1960’s. The building has little insulation and a residential mechanical system ill-suited to the scale of the spaces and the select hours the building is used, and the rooms are uncomfortable on hot and cold days.

Project Description

BVUUF had an Xcel Small Business Lighting assessment, and completed all the items recommended. Their T-12 lighting was replaced by T-8’s, and incandescent bulbs changed for CFLs. Occupancy sensors were mounted in the bathrooms, kitchen and “cry room” off the sanctuary.

Hot air distribution from the building’s large, outdoor furnace is insufficient to supply the large sanctuary and far end of the office wing; an engineer’s assistance is needed to improve the system for comfort and natural gas savings.

Lighting Upgrade:

- **Installed Occupancy Sensors**
- **Replaced incandescent bulbs with CFL’s**
- **Replaced incandescent exit signs with LED exit signs**
- **Replaced T12 lighting with 32W T8’s with electronic ballasts**

Project Cost:	\$3,302
Xcel Energy Rebates:	\$946
Project Cost After Rebates:	\$2,356
Annual Energy Cost Savings (At current energy prices):	\$532
Simple Payback (Including incentives, at current energy prices):	4.4 years
Lbs CO2 savings per year:	12,411



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