



Bethlehem Lutheran Church discovers big savings opportunities with a Turn Key Assessment



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Marcia Nagel,
Building committee member,
Bethlehem Lutheran Church

Bethlehem Lutheran Church in Mankato, Minnesota had their church followers in mind when they decided to invest in expansion for their 1960s building. Adding on 3,000 sq. ft. to their older building not only required them to merge the new with the old, but also inspired focus on equipment upgrades as a way to gain comfort and savings.

“We were making changes to our building and wanted to incorporate energy sustainability into our long-term plans. Then we learned about Xcel Energy’s Turn Key Services which could offer us support and suggestions on how to save energy and money,” said Marcia Nagel, building committee member.

After consulting Xcel Energy, the Bethlehem building committee went with the recommendation to receive a Turn Key Services ASHRAE Level 1 Assessment for help with making critical energy decisions.

Xcel Energy conducted the assessment which identified a wide range of energy-saving opportunities, recommended efficiency equipment replacements and mapped out rebates which could lower costs. Once Bethlehem was ready to move forward, Xcel Energy’s Turn Key implementation specialist was on point to help get their projects completed.

“With the level of Xcel Energy’s involvement, we felt confident right away that we were in good hands from handling contractors to completing paperwork for rebates, and identifying a surprising amount of lighting projects that created light, bright spaces,” said Marcia Nagel.

Bethlehem Lutheran Church was committed to renovating their building to make it energy efficient but did not have the luxury of a staff member who could serve as the facility project manager. The Turn Key implementation specialist managed contractors for the major lighting upgrades, and helped Bethlehem save time and hassles.

Financial Snapshot

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| Xcel Energy Rebates | \$8,375 |
| Turn Key Bonus Rebates | \$2,040 |
| Total Rebate | \$10,415 |
| Estimated Annual Electric Cost Savings | \$2,721 |
| Kilowatt Hours Saved | 22,195 |

30 percent bonus rebates sweetened the deal

For Bethlehem Lutheran Church, limited resources to handle a facility upgrade was a major concern. The Turn Key Services program turned out to be a great fit with assessment and free implementation support, in addition to equipment rebates and a 30 percent bonus incentive that added up to \$10,415. "Xcel Energy thought of everything and we took them up on nearly all the recommendations and are now glad we did. This is a great program for businesses looking to save money," added Nagel.

Turn Key Services project summary

Completed projects:

- Replaced existing RTUs and PTACs with high-efficiency units
- Replaced air handler motor with NEMA premium motor
- Added VFDs to hot water heating pumps
- Replaced commercial dishwashers with high-efficiency dishwashers
- Installed cold beverage vending machine controller

Projects in process:

- Changing fluorescent lamps to low-wattage T8 lamps
- Adding photocell and occupancy sensors
- Changing incandescent, compact fluorescent and fluorescent fixtures to LEDs
- Replacing exterior canopy lights and wall packs with LED fixtures
- Replacing incandescent exit signs with LEDs

Bob Brown, Bethlehem Lutheran Church Chair of the Building Committee and Facilities Board, had also worked closely with Xcel Energy during planning and implementation. "Any organization with the cash flow and looking to do a renovation project would be wise to include an energy audit in their planning, and follow through with the Turn Key Services. It was fantastic help."



Turn Key Services Program provides full-circle solutions

The Turn Key program offers a full array of services to help you identify and/or implement energy-efficient projects.

- Sign up to receive an ASHRAE Level 1, on-site assessment that identifies energy efficiency opportunities in your facility. You'll receive an in-depth report that outlines the improvements you can make to conserve energy and save money.
- The improvements identified in your assessment qualify for a 30 percent rebate bonus* when you implement within a year of the assessment approval.
- Take advantage of free implementation services that can help you prioritize projects, obtain management approval, evaluate proposals, and coordinate and verify project information. The goal of this service is to give you the support you need to help you implement conservation projects whether you've had an assessment or not.

*Restrictions apply. See Turn Key application for details.

To find the best assessment fit for your commercial energy projects or to obtain free implementation support, contact your account manager or our energy efficiency specialists at **855.839.8862**. Visit [xcelenergy.com/TurnKey](https://www.xcelenergy.com/TurnKey).