

Rebate Program	Rebate Savings	
Cooling efficiency	<ul style="list-style-type: none"> • Chillers • DX units • Economizers 	<ul style="list-style-type: none"> • Energy recovery ventilator • Heat exchangers • Heat pumps
Energy assessments	<ul style="list-style-type: none"> • Recommissioning and retrocommissioning 	<ul style="list-style-type: none"> • Turn Key Services
Efficiency controls	<ul style="list-style-type: none"> • Controls for lighting and HVAC systems 	
Heating efficiency	<ul style="list-style-type: none"> • New boilers and furnaces • New water heaters • Boiler tune-ups (every other year) • Auxiliary equipment <ul style="list-style-type: none"> – Outdoor air reset control – Oxygen trim controls – Modulating burner – Stack damper – Turbulator 	<ul style="list-style-type: none"> • Steam traps <ul style="list-style-type: none"> – Testing – Repair • Pipe insulation
Lighting efficiency	<ul style="list-style-type: none"> • LED exterior area lighting • LED high bay fixtures • LED linear tubes 	<ul style="list-style-type: none"> • LED parking lot fixtures • LED troffer fixtures • Occupancy sensors
New construction	<ul style="list-style-type: none"> • Energy Efficient Buildings (EEB) 	<ul style="list-style-type: none"> • Energy Design Assistance (EDA)

Energy savings guide for your worship campus



Facilities like yours can be the most challenging when it comes to building energy management. Occupancy levels, hours of operation and space uses vary widely—and so can your energy use.

In addition to worship spaces, you may also be heating, cooling and lighting offices, kitchens, libraries, classrooms and meeting rooms, just to name a few. Some efficiency measures can be implemented with little or no investment and pay for themselves quickly, but others may require a more significant upfront investment, but provides long-term benefits. In addition to energy savings, improvements can provide labor savings, greater comfort and improved aesthetics.

This guide can offer the first steps to energy and cost savings, and ways to save on upfront costs with Xcel Energy rebates. Interested in hearing more about your options? Consult an energy efficiency specialist at Xcel Energy by calling 855.839.8862.



Time tested ways to alter your energy use

Let us count the ways to energy stewardship

Here are the top five low- and no-cost energy behavior changes your staff can be making all year long to lower your energy use:

1. **Reduce plug load** by shutting down computers during off periods or add power strips with built-in occupancy sensors. Don't leave the screen-saver on. Set the computer to "hibernate" or "sleep" mode. Use the energy-saving setting on equipment such as copiers.
2. **Insulate walls and roofs** at least seven inches of insulation in your ceiling/roof makes the difference.
3. **Seal windows and doors** by caulking or weather stripping to reduce heat loss.
4. **Keep the heat out** in summer months by adding window coverings and strategically planted trees.
5. **Reduce water heater temperatures** when spaces are unoccupied (either adjust settings to the lowest temp manually or use automatic control devices).

Take aim at your energy waste

Every building is different, offering its own unique energy-saving potential. To get to the bottom of all the energy-saving opportunities available in your building(s), consider getting an on-site assessment to identify where to put your focus.

Recommissioning study. Ideal for church campus buildings, an Xcel-Energy funded Recommissioning study will identify existing functional systems that can be 'tuned up' with low- or no-cost improvements and many rebate opportunities. Learn how Grace Church discovered savings opportunities with a Recommissioning study: xcelenergy.com/RecommCaseStudy.

Turn Key Assessment. Through an ASHRAE Level 1 assessment, an energy advisor will identify low- and no-cost improvements and rebate-eligible upgrades. Free implementation support is also available if extra help is needed to initiate and carry through your improvements. Bonus rebates are also available for many measures implemented. Learn how Bethlehem Lutheran Church discovered big savings opportunities through Turn Key Services: xcelenergy.com/TurnKeyCaseStudy.

Let there be light!

Lighting upgrades are one of the easiest types of efficiency projects to take on, and are often known for short paybacks and long-term savings. Lighting is also a great place to start when "greening" a church building. The opportunities to upgrade to LEDs go beyond sanctuaries—considering offices, meeting spaces, hallways, exit signs, parking lots, refrigerated systems, restrooms and more.

Study funding available

Contact the City of Maplewood to learn more about how you can get help funding a study to help find your opportunities to save energy.

Contact Shann Finwall:
shann.finwall@ci.maplewood.mn.us
or call **651.239.2304**.

Xcel Energy offers several money-saving rebates for retrofit upgrades and fixtures. Add controls technology to further manage your lighting cost effectively with:

Occupancy sensors. Another easy and cheap way to save energy and expenses is to install occupancy sensors in rooms that are inconsistently used.

Automatic dimmers. Adjust lights depending on how much natural sunlight is available.

Motion detectors. Ideal for outside lighting of entrances or to enhance the security around the exterior of your building.

Evenly heating rooms commands attention

High ceilings in combination with Minnesota sub-zero temperatures makes heating worship spaces a challenge. Low-cost energy-saving solutions, coupled with energy upgrades, are an ideal energy conservation combo.

Installing a high-efficiency boiler or furnace with the help of money-saving rebates can be the best long-term solution. Rightsizing a replacement boiler can save you headaches so if you have questions, be sure to consult equipment expert. If upgrades are not the solution, augmenting your system may be what's best to help you save energy.

These energy-saving measures can make a big impact for very little investment and may qualify for Xcel Energy rebates:

- Regular tune-ups and servicing
- Pipe insulation
- Boiler steam trap repair or replacement
- Electronically commutated motors (ECMs) for forced-air furnaces
- Programmable or smart thermostats



Administer an efficient cooling system

Is your air conditioning running constantly during summer months? If you're using an older cooling system, it could be expensive to maintain and use significantly more electricity than what's available today. Upgrading or adding energy-efficiency auxiliary equipment can keep everyone comfortable and reduce energy waste during hot summer months.

Xcel Energy's rebates can offset the cost of upgrading to high efficiency cooling equipment, including DX units, energy recovery ventilation and more. If you're not ready to replace your equipment, increase the efficiency of your existing system by adding economizers, heat exchangers or tuning up your current system.

Call an energy advisor to begin saving

Depending on your building(s) and needs, our energy efficiency specialists are there to help. For free guidance on how to get started and what Xcel Energy programs are available to help, call 855.839.8862.