



ENERGY EFFICIENCY

Self-Diagnostic Exercise

😊	😐	😞	Actions	Costs*	Savings
			1. Put reminders near light switches to encourage people to turn off the lights when not in use.	FREE	Reduces electricity consumption
			2. Allow entry of natural light by opening blinds and keeping windows clean.	FREE	Reduced electricity consumption. Brighter rooms.
			3. Reverse ceiling fans to reuse hot air.	A few pennies for the use of the ceiling fan	A hundred dollars of heating costs.
			4. Replace standard light bulbs with DEL's. Your electric company may offer savings coupons.	\$3-\$10 each. They last 10 times longer.	DEL: uses 1/20 of regular bulb energy consumption
			5. Insulate all pipes and ducts.	\$1 / metre	Saves heating, reduces costs
			6. Install programmable timers so the lights may turn off automatically at sunrise and light again at dusk (only in spaces that people use).	\$10 each	Eliminates the need to remember to put the lights on and off
			7. Install a shrinkable plastic film over windows during winter to prevent the cold from coming in and the heat from going out.	\$25/Roll (covers about 6 windows)	Conserves heat and can reduce up to 10% heating costs
			8. Install movement detectors on lights (in bathrooms for example).	\$30-\$50 per room	Reduces energy consumption.
			9. Install programmable thermostats. Your electric company may offer rebates.	\$150 (for five)	Saves 5% of energy consumption
			10. Install , along with new light bulbs, switches that will allow you to be able to cut the entire circuit.	\$3 each plus electrician fees	Reduces energy consumption
			11. Make sure to efficiently insulate your church (i.e.: bottom of doors, around windows, caulking, etc.).	\$50-\$300 (according to size)	Reduces heating and air conditioning use and costs
			12. Install infrared lights over the seating area (they warm the people, not the air).	\$5,000 for 4 lights	\$3,000/winter
			13. Install solar panels on south side of roof.	\$20,000	installment costs are covered in 5 years
			14. Install a heat pump to act as a buffer for the main heating system.	\$5,000-\$8,000	Reduces, heating costs by about 10%.
			15. Install a geothermic system if the building occupies a sufficiently large property.	\$35,000	Reduces heating costs by approximately 50%
			16. Install radiant floors.	\$50,000 for a religious building	Saves 10% of heating costs

* These approximations come from various sources.



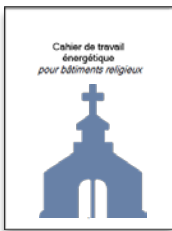
ENERGY EFFICIENCY (2)

First objective: Time

Coordinate meetings so that several are held the same day during the winter season. This may contribute to lower energy costs and also reduce the number of days energy is required/consumed.

Second objective: Space

Organize activities according to the space required by the number of people. For instance, it is not necessary for a small Bible study group to hold their meeting in the large sanctuary.



1. Energy Guide for religious buildings

Download this document from the *Green Churches* website. This workbook will allow you to define your energy consumption habits, after which you will be able to compare your results from year to year.



2. Invite an energy auditor

This professional has a keen eye and will evaluate the efficiency of your religious building and make recommendations. A visit may cost about \$1,000 but the savings you will make will soon cover the fee.

Contact us.



3. Available grants

The Green Churches website has a section called “Grants” under the tab “ACTION”

Look into grants offered by the following institutions:

- the Energy Efficiency Agency of your provincial government
- Your heating company
- Your electricity company