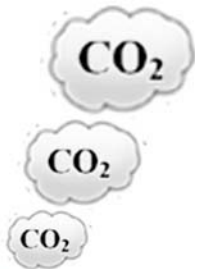




SAVE \$\$\$\$ AND REDUCE YOUR CONGREGATION'S CARBON FOOTPRINT!



Is your refrigerator more than ten years old?

If so, your refrigerator is likely gobbling up your congregation's cash and burning extra energy resources that harm Creation!

Consider an energy-efficient upgrade that will bring relief to your operating budget and reduce your congregation's carbon footprint! Energy conservation is good stewardship of financial resources and Creation.



Today's refrigerators use about 60 percent less energy than models from 20 years ago. Go to <http://www.energystar.gov/index.cfm?fuseaction=refrig.calculator> to estimate the energy used by your existing refrigerators and calculate how much a new Energy Star refrigerator would save on your congregation's electric bill. Or call Oregon Interfaith Power and Light to schedule an appointment to have your actual appliance energy use measured on site. (503.221.1054, ext 210)

Incentives are Available for Energy Efficient Refrigerators for Congregations!

- **Energy Trust of Oregon** – \$50 cash incentive for the purchase of an ENERGY STAR residential refrigerator, \$150 for an ENERGY STAR freezer, or \$150 for an ENERGY STAR commercial refrigerator. After purchasing the refrigerator, go to http://energytrust.org/library/forms/BE_FM0120P.pdf and use Form 120P to apply for the incentive.
- **Oregon Business Energy Tax Credit** – pass-through tax credit of up to \$70 for the purchase of a refrigerator that qualifying refrigerators. Note that the state tax credit program is more restrictive than the Energy Trust program; not every Energy Star product will qualify for an Oregon Business Tax Credit. Check the list of qualifying models at <http://www.oregon.gov/ENERGY/CONS/RES/tax/appref.shtml>
After purchasing the unit, use the “One-step Application for Eligible Appliances for Rental Dwellings” at <http://www.oregon.gov/ENERGY/CONS/BUS/docs/Appliance.pdf> (\$10 application fee applies) and be sure to check off the “pass-through” option box.
- The **Energy Trust of Oregon** will pick up and recycle your old refrigerator or freezer and give you \$30 for it! Call 1-866-444-8907 to schedule your pick up.
- **ShopIPL and Sears** will give you 10 percent off the price of an energy efficient refrigerator after any other discount offers. Go to www.ShopIPL.org and click on “Goldie” or call Ted at 734-624-1154 for details.

Depending on the age and style of your old refrigerator, the energy you save may pay back the cost of the new refrigerator in as little as four years. After that, the savings can be put to good use in serving the values and mission of the congregation.

Case Study

A church in Hillsboro, Ore., has been using two gold-colored refrigerators since they were donated to the congregation many years ago. As you might guess from the color, they date back to the late 1970's. A "Green Team" member copied down the model numbers of the "Oldie Goldies" and checked their energy consumption at <http://www.energystar.gov/index.cfm?fuseaction=refrig.calculator>. It turned out that the 16-cubic-foot model was using 2,532 kWh and costing the congregation about \$280 per year to operate; the 18-cubic-foot model was using 2,760 kWh and costing \$300 per year!

The Greenies went online to ShopIPL and found a qualifying 22-cubic-foot LG refrigerator at Sears that uses only 471 kWh per year, less than one-fifth the energy consumed by the Oldie Goldies! The cost to run the new refrigerator was listed as \$53 per year. The Columbus Day Sale price for the new unit was \$719.99. The "Greenies" calculated the cost of the new refrigerator after rebates and recycling:

Price (on sale)	\$719.99
10% Discount from ShopIPL	-\$72.00
Energy Trust Incentive	-\$50.00
Oregon State Tax Incentive	-\$50.00
State Application Fee	+\$10.00
Energy Trust Recycle Incentive	-\$30.00
Net Cost	\$527.99



It seemed like a good deal even before the Greenies did the math and figured out that the two Oldie Goldies were costing the congregation an additional \$474 per year to operate. The new refrigerators would pay for themselves in just over two years. After that, the congregation would be saving \$474 per year from their annual operating budget!

The Greenies also felt great about being able to reduce their church's carbon footprint with such a short pay back time! When they looked at the church electric bill, it turned out that 40 percent of the electricity the church was using was going to operate the two old refrigerators! Buying the two new refrigerators is expected to reduce the church's annual electric bill by 33 percent annually. This is equivalent to taking an average American car off the road for five months of the year!

Needless to say, a celebratory retirement party is being planned for the Oldie Goldies!

Refrigerator Tips

- Side-by-side refrigerators are the least efficient. Bottom freezer models generally use about 16 percent less energy, and top freezer models use about 13 percent less energy, than side-by-side models
- Think about your needs. One large refrigerator takes less energy than two small ones
- Locate fridge away from heat sources, and be sure to allow good airflow to the coils.
- Set refrigerator to 38–42 degrees. Measure with a thermometer in a glass of water.
- Cool food before you place it in the refrigerator. Immersion in cold water takes the heat out.
- Unplug the refrigerator at least once a year to clean the dust off the coils (often located underneath, or on the back in older models). When the coils are dirty, the refrigerator works harder and runs longer.
- Clean the gasket and the face of the cabinet. Test for fit by placing a dollar bill between the gasket and the cabinet. If you can slide it out with the door closed, you need to replace the gasket.