



ALL SAINTS PARISH

Environmental Stewardship

Showering

While some environmental stewardship opportunities involve changes in mechanical and/or electrical equipment, most involve changes in behavior. **Stewardship is what we do. Cost is the consequence of our actions.** Cost is counted in both \$s and pollution. Most behavior changes involve everyday things. This is really evident in the length of showers one takes.

It is reported that the average length of a shower is 10 minutes. What is the “cost” involved, in \$s and in CO2 emissions? Using the Shower Cost Calculator (available at MIP&L’s web site <http://www.mipandl.org/ees.html>) answers that question. Cost will depend on (1) the fuel and (2) the equipment used to heat your domestic hot water (“DHW”). Here is the cost in \$s and CO2 emissions of a daily 10-minute shower:

Fuel	Equipment	\$s/Year	CO ₂ /year
Gas	High efficiency	\$70.80	721
Gas	On-Demand	\$77.55	790
Gas	Tank	\$100.21	1,020
Oil	High Efficiency	\$112.70	646
Oil	Tank	\$128.30	736
Electricity	On-Demand	\$203.58	1,712
Electricity	Tank	\$203.58	1,712

How can you save? There are several ways.

- ❖ Reduce your shower length. Every minute less on a 10 minute shower drops the cost by 10%.
- ❖ Install a low-flow showerhead. Most showerheads are 2.5 gallons per minute (gpm). Installing a 1.5 gpm shower drops the cost by 40%, even if you want to

take the 10 minutes to shower! These showerheads have no diminution in flow or satisfying shower experience. They cost in the \$10>\$20 range. A good location for buying all kinds of energy-saving products is the IPL-sponsored website...

<http://www.energyfederation.org/ipl/>

MIP&L members and congregants get 10% discount!!!

Enter the discount code **shopipl**

- ❖ Upgrade your DHW generation equipment to high efficiency.
- ❖ And when you buy your showerhead get 0.5 gpm aerators for each of your faucets, replacing the standard 2.2 gpm. These aerators save energy, water, \$s and environmental impact also.