

GTHA Faith Building Energy Benchmarking Program

**Faith & the Common Good
October 18, 2017**



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Program Background

- Ontario Trillium Foundation 2017 - 2020
- Target is **100** faith communities in Toronto, York Halton/Oakville & Hamilton
- Features easy-to-use, on-line Energy Star Portfolio Manager benchmarking system
- Track & improve energy/utility performance (electricity, gas)
- *"You can't manage if you don't measure"*



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What does Benchmarking mean?

You and your congregation will find out some key information about your building:

1. How much energy your building uses
2. How much money you spend on energy
3. How your building's performance stacks up to other buildings in your sector



Goal: Improve Faith Building Energy Efficiency

“Energy efficiency is the fastest, cheapest, and largest single resource solution for simultaneously saving energy, saving money, and preventing GHG emissions.”

– *Energy Star Action Workbook for
Congregations, US EPA, 2017*



Why Benchmarking?

Supports Stewardship

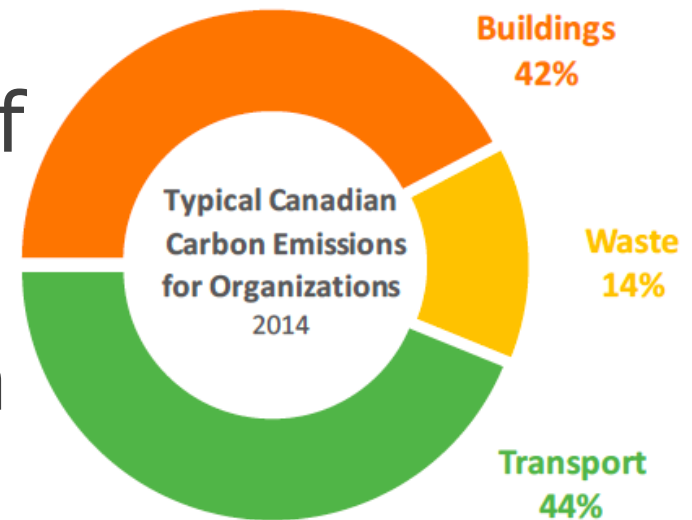
- Faith traditions teach stewardship of the earth and its life-supporting natural resources.
- Congregation can take care of your energy budget, and the earth, by reducing energy consumption.
- Credible moral leadership=putting our own houses in order
- *"It's the right thing to do."*



Why Benchmarking?

Target carbon consumption

- Buildings account for 42% of green house gas emissions at faith communities
- Addressing carbon reduction aligns with both provincial and federal government



Why Benchmarking?

Saves Energy and Money

- Buildings that were benchmarked reduced energy use by an average of 2.4%* per year (US EPA)
- Assists future reporting requirements
- Guides investment and operation (lowest hanging fruit for least expenditure)

* Up to a total cumulative average of 7%.



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What you are being asked to do

- ✓ Make a commitment to save energy
- ✓ Give us your building information and 3rd party consent
- ✓ Share the journey with your congregation
- ✓ Work with us over the next 3 years to identify ways to decrease energy consumption



What we'll do to make it easy for you

- ✓ Register your faith building with Energy Star Portfolio Manager
- ✓ Input your utility data into Portfolio Manager
- ✓ Facilitate a building audit (if desired)
- ✓ Provide energy performance reports, energy efficiency tools, funding info and training
- ✓ Meet with your building committee, Board



Building Information Form

General Information - Section 1

Name of Faith Community	Emmanuel United Church	Street Address of Faith Community	691 Smyth Road
City/Province	Ottawa	Postal Code	K1G 1N7
Phone Number of Faith Community	613-733-0437	Email of Faith Community	emmoffice@bellnet.ca
Contact Person	Pierre Péron	Phone & Email of Contact Person	613-523-6147 pawperon@rogers.com

Primary Building Space

The building should be a single structure. This may be two or three spaces; such as the sanctuary and a gathering hall with a connecting hallway between the two distinct building spaces for example, or it all could be part of a single primary building with the hall below the sanctuary for example. Write N/A on Secondary Building Space if those questions are not applicable.

Entering your congregation's energy and building usage data into this form will allow us to begin tracking and measuring your property's energy consumption in Energy Star Portfolio Manager.

Square Footage Please provide the total sq. footage of conditioned space including basement area	17,221	Year Built Please provide the year your building was constructed	CE Building - 1962 & Sanctuary - 1984
Type of Construction Stone, block, brick, wood frame, etc.	CE Building - Hardiboard & Sanctuary - split rib block veneer	Primary Heating Source Furnace, boiler, electric baseboards etc	Boiler
Primary Heating Fuel Type Gas, propane, electricity or oil	Natural gas	Primary Heating Source Age If heating source is a boiler or furnace, please provide the age of the unit(s)	5 years
Occupancy % (annual average) Occupancy is the percentage of your property's Gross Floor Area (GFA) that is occupied and operational on a daily basis	100%	Building Usage Please indicate how many hours on average any part of your building is in use per week, including renters, Sunday service, events, choir practice etc.	60 hours



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Consent Form



Toronto Hydro-Electric System Data Centre Password Access Second Party Authorization/Release Form

TO BE COMPLETED BY THE CUSTOMER WHEN RELEASING THE PASSWORDS TO A SECOND PARTY OTHER THAN THE CUSTOMER.

Password secured access to Toronto Hydro-Electric System Limited's Data Centre is intended for the sole use of the customer responsible for the account. It is the customer's responsibility to manage his/her password(s). The customer can grant their retailer/consultant these rights at their discretion. Please be aware that anyone possessing a password to your Toronto Hydro-Electric System Limited's ("THESL") account will be able to change the password. Second party password access, requires the customer to provide our office specific written authorization by completing this form and faxing to our office as indicated below.

Statement & Acknowledgement by Customer:

I am the customer responsible for the attached account(s). I hereby authorize the party below to access my THESL password and my THESL account. I have read the above and understand that the Ontario Energy Board may periodically conduct audits that can result in disciplinary action for any unauthorized use. I have also read the Disclaimer below and understand and agree that THESL, its parent company, and its Affiliates shall not be liable under any circumstances for any errors or omissions contained in the information/data retrieved from the THESL Data Centre.

On behalf of (customer) _____
I (name) _____ authorize Toronto Hydro-Electric System Limited to release my User Name and Password as well as by Site ID(s) and PIN(s) for the account numbers listed on the attached to _____. I understand that release of my password and user name will provide this individual authorization to access my account and/or change my password at any time without my consent or notification to me.

Signature	Date
_____	_____
Witness	Date
_____	_____
Company Name:	_____
Contact Name:	_____
Title:	_____
Phone #	_____

EEmail Address:
Fax #:
Account(s) # (10 digits):

For Additional Accounts Please Complete Appendix A



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Next Steps

- ✓ Set up a meeting with your property, finance, environmental committee
- ✓ Explain the program and answer any questions (FCG Animator will present if requested)
- ✓ Consider a building audit
- ✓ Leave your name on the benchmarking info sheet and we'll contact you to follow up dlang@faithcommongood.org





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We would like to thank OTF for their generosity
in funding this program.

Ontario
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