Climate, Faith & Action

Presentation to Chinese Pastoral Council

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• Canada’s only national, interfaith environmental network.
• Members share sacred calling to protect creation.
• Our chapters connect faith groups with local non-profit, municipal and commercial organizations dedicated to a sustainable future.
How bad is it?

20th Century “normal” is gone

Global Land and Ocean Temperature Anomalies, January-December

Source: National Oceanic and Atmospheric Administration, Climate Change – Global Temperature
Catastrophic insured losses – Canada

Source: Insurance Bureau of Canada, Lapo Calamai
Because emissions have skyrocketed

2015 emissions 63% higher than 1990

Source: Global Carbon Project
Carbon budget running out

If we want a 2/3 chance of staying <2°C, we need to stop burning fossil fuels NOW

Source: Carbon Brief, Carbon Countdown, 2017
Is it too late?

- We are in for big changes
- There is still a little time to have an impact on what’s coming
- Our choices, right now, matter
- Do something or become a dinosaur!
What can my faith community do?
-- The more we can make climate change a deeply moral issue, the more we will push ourselves towards action.

-- This is one of the most important roles that faith communities can play.

-- Our diversity of culture and faith-based social and ecological justice work is critical to this work.
Raise Our Voices

NIIGAANI-GICHIGAMI
Gratitude Walk and Festival
Friday June 8th

All are welcome.

Express gratitude and learn about Niigaani-gichigami (Lake Ontario).

Festival will include live music, food, artistic activities for all ages, and more!

6pm
Sherbourne St.
Waterfront

Water Ceremony by Wanda Whitebird and prayers from diverse faith traditions.

Followed by Community BBQ
8pm
St James Park
King and Church St.

Organized by the Niigaani-gichigami Collective, Toronto Urban Native Ministry, and St. James Cathedral.
“Leave your car at home challenge”:
• 53 FC’s with membership of over 14,000 people registered, 41 faith communities and 600 people participated, saving close to 1500 kg CO₂ or GHG emissions in total.

“Calculate your carbon footprint challenge:
• 24 people participated in calculating their carbon footprint in Toronto FC
• [https://www.carbonzero.ca/calculate-impact](https://www.carbonzero.ca/calculate-impact)
• Air travel and heating were the biggest drivers of GHG
• New understanding of fact that each of us is responsible for climate change
Action: Energy Benchmarking

Reduces carbon consumption

- Buildings account for about 42%* of a typical faith community’s carbon footprint
- Transportation is 44%

* Source: National Inventory Report 1990-2014: Canada’s Submission to United Nations Framework Convention on Climate Change (April 2016). Note: Faith Communities are part of Organizations segment and this data pertains to Organizations.
Why Benchmarking?

Saves Energy and Money

- Buildings that were benchmarked reduced energy use by an average of 2.4% per year, up to 7% per year*
- Guides investment and operation (lowest hanging fruit for least expenditure)

* Source: U.S. Environmental Protection Agency; 2.4% up to a total cumulative average of 7%.
Energy Performance Reports

If sign up in Fall 2019, each parish will receive 2 reports:
1) report in March 2020 (2015-2019 data)
2) report in March 2021 end of program (2015-2020 data).

Baseline Performance Report
Year Ending 2017

Faith Community: St. Brigid's Parish - Church
Address: 298 Wolverleigh Blvd, Toronto, Ontario, M4C 1S6
Occupancy: 40% Square Footage: 20,800 ft² Year Built: 1927

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<tbody>
<tr>
<td>Weather Normalized Site EUI (kBtu/ft²)</td>
<td>111.3</td>
<td>98.0</td>
<td>101.7</td>
<td>-12%</td>
<td>4%</td>
<td>-9%</td>
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<tr>
<td>Total Electricity (kWh)</td>
<td>37,144</td>
<td>37,771</td>
<td>35,092</td>
<td>2%</td>
<td>-7%</td>
<td>-6%</td>
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<tr>
<td>Total Natural Gas (m³)</td>
<td>65,712</td>
<td>50,642</td>
<td>54,277</td>
<td>-23%</td>
<td>7%</td>
<td>-17%</td>
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<tr>
<td>Total Direct GHG Emissions (tonnes CO₂e)</td>
<td>123.9</td>
<td>95.8</td>
<td>102.5</td>
<td>-23%</td>
<td>7%</td>
<td>-17%</td>
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<tr>
<td>Total Energy Cost ($)</td>
<td>$28,247</td>
<td>$22,580</td>
<td>$24,383</td>
<td>-20%</td>
<td>8%</td>
<td>-14%</td>
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Comparison: Your Weather Normalized Site EUI 2015-2017

Weather Normalized Site EUI (kBtu/ft²)

- 2015
- 2016
- 2017

-115
-110
-105
-100
-95
-90

-115
-110
-105
-100
-95
-90

Faith & the Common Good
EUI #’s — 2018 Energy Usage Intensity scores

* EUI = kBTU divided by square ft. (kBTU = British thermal units x 1000)

Energy Star Portfolio Manager’s weather normalized site EUI scores enable us to compare the energy performance of buildings of different square footage (within the GTHA).

If your building’s EUI numbers are in the bottom third, you are doing great! If in the top third, there is room for improvement!
About ClimateWise

A program of *Windfall Ecology Centre*, ClimateWise Business Network is a York Region-based network of leading businesses and institutions who share a **common goal of becoming more sustainable**.

Some of our faith-based members include:

- St. Mary’s Anglican Church (Richmond Hill)
- Ebenezer United Church (Markham)
- Jaffari Community Centre (Vaughan)
- Joseph & Wolf Lebovic Jewish Community Campus (Vaughan)
- Vishnu Mandir Hindu Temple (Richmond Hill)

ClimateWise Founding Members
ClimateWise Member Services

The ClimateWise program is designed to be simple, accessible and credible for all network members.

One on One Coaching and Support
Learning and Networking Workshops
Premium Resources and Tool
Public Recognition
Access to a Network of Industry Leaders and Proven Solutions
Embrace hope & be courageous!

Hopi Nation Prayer

There is a river flowing now very fast. It is so great and swift that there are those who will be afraid. They will try to hold on to the shore. They will feel they are being torn apart and will suffer greatly.

Know the river has its destination. The elders say we must let go of the shore, push off into the middle of the river, keep our eyes open, and our heads above the water.
Hopi Nation Prayer
Oraibi, Arizona

And I say, see who is in there with you and celebrate. At this time in history, we are to take nothing personally. Least of all, ourselves. For the moment that we do, our spiritual growth and journey comes to a halt.

The time of the lone wolf is over. Gather yourselves! Banish the word struggle from your attitude and your vocabulary. All that we do now must be done in a sacred manner and in celebration.

We are the ones we’ve been waiting for.
Thank you. Let’s work together!

Faith & the Common Good