



A healthy boost for a growing town

To keep its rapidly growing population active and healthy, the Town of Caledon invested in a new, energy-efficient 65,000-square-foot community centre.

A vibrant and sustainable community hub

Recognizing that buildings represent the largest source of the Town of Caledon's corporate greenhouse gas (GHG) emissions (54 percent), the town developed a Corporate Green Building Standard to ensure that all new buildings are built to be energy efficient and reduce GHG emissions.

Located at Kennedy Road and Dougall Avenue, the Southfields Community Centre was designed and constructed to this standard. Providing both recreation and opportunities to meet the broader social needs of residents, the centre offers many amenities, including a two-tank swimming pool, community hub spaces, an EarlyON Centre, a public library, fitness facilities and an OPP Community Policing Office.

A holistic approach to building design

The project team participated in **Savings by Design's** full-day, no-cost integrated design process workshop to explore alternative designs and technologies to improve the building's energy and environmental performance.

"It provided a valuable learning opportunity for town staff and the project consulting team," says Katelyn McFadyen, Manager, Energy and Environment, Corporate Strategy and Innovation. "All the parties came together to share information about construction best practices and energy-efficient technologies."

Key project enhancements

- Energy recovery ventilators (ERVs) and heat recovery ventilators (HRVs)
- High-efficiency fans and motors
- Enhanced glazing and shading
- Optimized window-to-wall ratio
- High-performance windows
- Pool drain water heat recovery

"The program presented a strong alignment with our Council-approved corporate green building standard."

Katelyn McFadyen, Manager, Energy and Environment, Town of Caledon

By the numbers

Projected annual energy cost savings

\$22,656/year

Projected GHG reduction*

63,000 kg CO₂e

Projected better energy performance than Ontario Building Code

13%

Total project cost

\$27 million

8

acre parcel of land

Start designing sustainable buildings with expert help

Savings by Design gives your project team free access to industry experts, technical tools and financial incentives to help you build high-performance, resilient and sustainable buildings.

Free expertise and incentives

value up to

\$60,000*

Key steps to efficient, resilient design

Step 1

1 – 2 hours | No cost

Visioning session

We'll meet with your project lead, sustainability manager and a design team member to:

- Help define and prioritize project requirements and sustainability priorities.
- Determine which team members and external experts should attend the workshop.

Step 2

1 day | No cost

Integrated design process workshop

Your team will strategize with energy modellers and sustainable design experts to maximize your building's energy and environmental performance.

- An energy model will be developed as well as a final report summarizing the options discussed and recommendations.
- Facilitated by Sustainable Buildings Canada.
- A \$30,000 value.**

Rewards for building above code

After completing the workshop, you're eligible for additional incentives based on the performance of your building.

Energy simulation modelling incentive

\$15,000

Earn incentives when you complete a pre-construction certified energy model that shows your building will be 15 percent above current code.

Commissioning incentive

\$15,000

Earn additional incentives by confirming your building is 15 percent above code with a post-construction certified energy model, performed by a professional modeller.

To get the most out of your next project, contact **Mary Sye, Energy Solutions Advisor.**

 savingsbydesign.ca

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*Projected savings based on energy modelling simulations from the Savings by Design Integrated Design Process workshop. **This has no cash value. HST is not applicable and will not be added to incentive payments. Visit savingsbydesign.ca for details. To qualify for the program, your project must be located in the Enbridge Gas Inc. service area. If a participant doesn't complete construction of a new commercial property in the Enbridge Gas service area that exceeds 15 percent of the OBC's energy performance requirement within five years of completing the integrated design process workshop, they're ineligible for performance incentives. During that time, builders are expected to design and construct at least one new construction building based on resulting recommendations. In order to receive incentive payments, you must agree to all program terms and conditions, fully participate in all stages of the program and meet all program requirements. © 2020 Enbridge Gas Inc. All rights reserved.