

TeachingCity Oshawa - Call for Interest

Corporate Green Building Standards



City of Oshawa Challenge:

The City of Oshawa is looking to collaborate in the compilation of a Green Building Standard decision guide. Comparing the Ontario Building Code requirements for energy efficiency with the multiple other Green Building standards can be a challenge as these standards have been developed to holistically incorporate multiple goals, and often incorporate percent increases for total building performance. To support the decision-making process of Corporate Green Building Standard development, the City is interested in comparing the components of relevant standards/codes, and quantifying the results in a format that allows for prioritization of the most impactful actions for carbon reductions. The City plans to define the following streams within a Green Building Standard:

1. Existing Building Capital Investments
2. New Buildings
3. Maintenance / Operational Replacements

Collaboration Opportunity:

The City would like a guide developed that would quantify the impact that parallel measures from each standard/code have on operational GHG reduction, economic returns on investment, embodied carbon values, as well as other valuable comparisons. The goal is to isolate the components of the standards, not the overall impact of the combined approach.

In order to quantify the impacts of each standard's varying components, a sample building from the City's portfolio could be modelled. However, the City is open to finding an approach that also suits those with expressed interest and varying approaches to the development of the guide may be proposed.

Generally, the guide could assist other corporations in selecting where an existing standard meets the specific needs of their corporation looking to advance a voluntary Green Building Standard. The guide will also make Green Building Standards more accessible to private parties who desire flexibility, yet strive to maximize their environmental impact, and implement manageable energy reductions at multiple stages of building management.

At a minimum this guide would compare:

1. Ontario Building Code 2012 & Ontario Building Code Supplementary Standard 2016
2. National Energy Code of Canada for Buildings, NRCan, 2020
3. LEED New Construction & LEED Existing Buildings Standards
4. Canada Green Building Council Zero Carbon Building Standard v2
5. Existing Municipal or Corporate Green Building Standards

Timing: Anticipated 4-month project, starting September 2024.

Please provide interest [online](#) by **June 21, 2024**.

For more information and to express interest, please contact teachingcity@oshawa.ca

Prepared: March 13, 2024.