




INFORMATION REPORT

TO:	Chair and Members Planning Committee
COMMITTEE DATE:	January 12, 2021
SUBJECT/REPORT NO:	Green Building Strategy Update (PED20127) (City Wide)
WARD(S) AFFECTED:	City Wide
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SIGNATURE:	

COUNCIL DIRECTION

Not Applicable

INFORMATION

This report provides an update on the Building Division action items to the Corporate Climate Change project under the Planning & Economic Development Climate Change Action Plan.

The Building Division was tasked with the following:

1. Providing Training and education for Building Division staff on green building standards and best practices, and
2. Identifying Ontario Building Code requirements for new developments.

Training and Education on Green Building Standards and Best Practices

A mandatory training program has been developed with an aim to establish an internal performance standard in the review of building permit applications of high performing buildings that incorporate alternative energy systems or energy efficiency designs such as LEED rated buildings. The training program will provide building Staff with core

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OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

knowledge on green building standards and energy efficiency best practices. In conjunction with Facilities, the knowledge gained will assist Building Division staff to contribute towards a proposed development of a green standard for city-owned buildings.

The targeted training focuses on the following topic areas:

- Green Buildings
- Renewable Energy Technology
- Distributed Generation Technology
- Building Automation Systems
- Thermo-fluids Systems
- Energy Systems Integration
- Lighting Efficiency
- Indoor Air Quality

The training will not focus on green standards and practices related to property management such as building energy management or system measurement and verification.

Unfortunately, due to the restrictions and constraints under the COVID-19 pandemic, the planned delivery of this training has been postponed until further notice.

Ontario Building Code Requirements

The energy efficiency and green-focused provisions were first introduced in the 2012 edition of the Ontario Building Code (OBC). Energy efficiency requirements are explicitly covered by Part 12, SB-10 (ASHRAE Standard 90, MNECB, and NECB) and SB-12 of the OBC. Since the 2012 edition release, numerous amendments have occurred which have affected some of the earlier green/energy efficiency provisions such as the removal of requiring electrical vehicle charging outlets or increasing construction the allowable height of wood buildings.

Notwithstanding the ongoing updates to the OBC, Building Division staff continue to remain up to date to the current energy efficiency requirements of the OBC.

The Building Division has provided Building staff with core training on the application and enforcement of the OBC energy efficiency regulatory requirements, specifically Part 12 and SB-10 for non-residential and high-density residential buildings, and SB-12 for low-density buildings (houses, townhouses, and modular homes).

APPENDICES AND SCHEDULES ATTACHED

Not applicable