

What is the High Performance Development Standard ?

The High Performance Development Standard

is a collection of voluntary and required standards that raise the performance of new building projects to achieve sustainable and resilient design. The High Performance Development Standard consists of three tiers of performance. The standards, also known as 'metrics' in Tier one are mandatory. Tiers two and three contain higher level voluntary standards.

When is the High Performance Development Standard Applied?



The High Performance Development Standard is applied in the review and approval of:

- All Site Plan Control applications in the Urban Area
- "High Performance Development Standard Development Threshold" Site Plan Control applications in the Rural Area
- All Draft Plan of Subdivision applications



The High Performance development standard does not apply to:

- Building Permit applications
- Zoning By-law Amendment applications

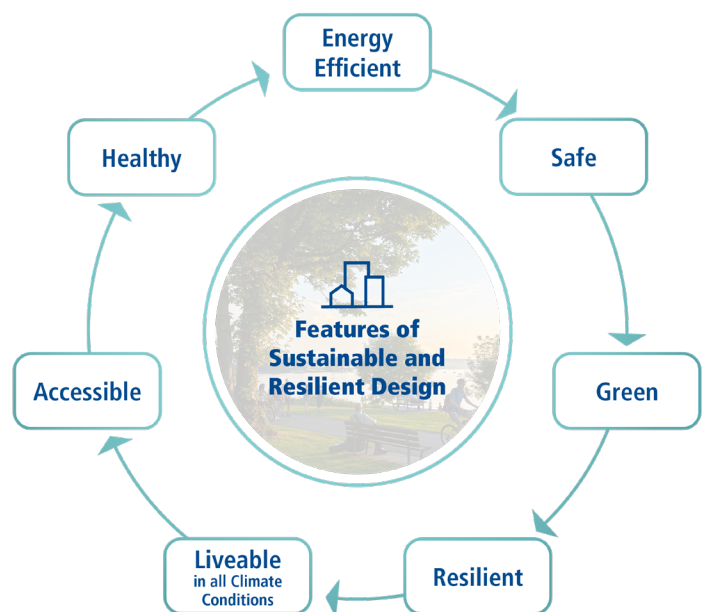
The importance of sustainable and resilient building design

Buildings are a major source of greenhouse gas emissions in Ottawa. Designing new buildings to be energy efficient from the outset will help reduce greenhouse gas emissions and save on costly retrofits in the future. The High Performance Development Standard will also help build resiliency to our changing climate through tree canopy, ecology and urban heat island mitigation strategies.

Collectively, the metrics aim to advance the climate change mitigation and adaption priorities of the Climate Change Master Plan, Energy Evolution and the Climate Resiliency Strategy as well as the City's objectives related to public health, ecology and accessibility.

Sustainable and Resilient Design

Sustainable and resilient design in new development supports public health and safety, environmental protection and responds to climate change, all of which are priorities within Ottawa's new Official Plan.



High Performance Development Standard Requirements for Site Plan Control

Site Plan Control is a tool used by the City to make sure that land development is designed appropriately, safely, is functional and minimizes potential adverse impacts on neighbourhood properties. It also makes sure that the City's standards for developing land are respected.

[Find out more.](#)

There are 12 Tier 1 metrics that apply to Site Plan applications and 23 voluntary metrics in Tier 2.

Metrics	Tier 1 (mandatory)	Tier 2 (voluntary)	
Energy 	<ul style="list-style-type: none"> Building Energy Efficiency 	<ul style="list-style-type: none"> Building Energy Efficiency Airtightness Testing Operational Energy 	<ul style="list-style-type: none"> Thermal Imaging Renewable Energy District Energy Embodied Carbon
Health 	<ul style="list-style-type: none"> Site Plan Accessibility Fresh Air Intake 	<ul style="list-style-type: none"> Health Supportive Amenities 	
Ecology 	<ul style="list-style-type: none"> Tree Planting Plant Species Exterior Lighting Bird-Safe Design 	<ul style="list-style-type: none"> Exterior Lighting 	
Resiliency 	<ul style="list-style-type: none"> Sustainable Roofing Cool Landscaping and Paving 	<ul style="list-style-type: none"> Operable Windows Interior Room Temperature 	<ul style="list-style-type: none"> Refuge Area Resiliency Plan
Waste 	<ul style="list-style-type: none"> Common Area Waste Storage 	<ul style="list-style-type: none"> Common Area Waste Storage In Suite Waste Sorting 	<ul style="list-style-type: none"> Construction Waste Management Plan
Transportation 	<ul style="list-style-type: none"> Electric Vehicle Parking Bicycle Access and Storage 	<ul style="list-style-type: none"> Parking Micro-Mobility Electric Vehicle Parking Bicycle Access and Storage 	<ul style="list-style-type: none"> Enhanced Bicycle Facilities Transit Access Enhanced Transit Facilities

The metrics can be viewed in detail at ottawa.ca/hpds

High Performance Development Standard Requirements for Draft Plan of Subdivision

A subdivision is land that has been divided into multiple lots for the purpose of development. These lots may be developed individually, or as a group. They may be used for a range of uses such as residential, commercial or institutional lots depending on the designation of the land in the City of Ottawa's Official Plan and Zoning By-law.

The purpose of a draft plan of subdivision is to develop land in an orderly manner by making sure that the proper infrastructure and municipal services will be in place, if they are not already. [Find out more.](#)

There are three Tier 1 metrics that will apply to Draft Plan of Subdivision applications and five metrics in Tier 2.

Metrics	Tier 1 (mandatory)	Tier 2 (voluntary)
	<ul style="list-style-type: none"> Community Energy Plan 	<ul style="list-style-type: none"> Community Energy Plan
	<ul style="list-style-type: none"> Tree Planting Plant Species 	
		<ul style="list-style-type: none"> Waste Storage Construction Waste Management Plan
	<ul style="list-style-type: none"> Community Energy Plan 	<ul style="list-style-type: none"> Extreme Wind and Snow Loading Community Energy Plan

The metrics can be viewed in detail at ottawa.ca/hpds

How is the High Performance Development Standard applied?

Applicants are advised of the requirements during the pre-application consultation phase. A preliminary High Performance Development Standard checklist is required to be included when an application is submitted.

Further details about how the High Performance Development Standard is integrated in the Site Plan and Draft Plan of Subdivision application process is available at ottawa.ca/hpds.

Find out more

For information about the High Performance Development Standard visit ottawa.ca/hpds.

For more information about climate change and to subscribe to the climate change e-newsletter visit ottawa.ca/climatechange.