

Sustainable New Communities / Sustainability Metrics Program

Development Community Information Session

November 24, 2022



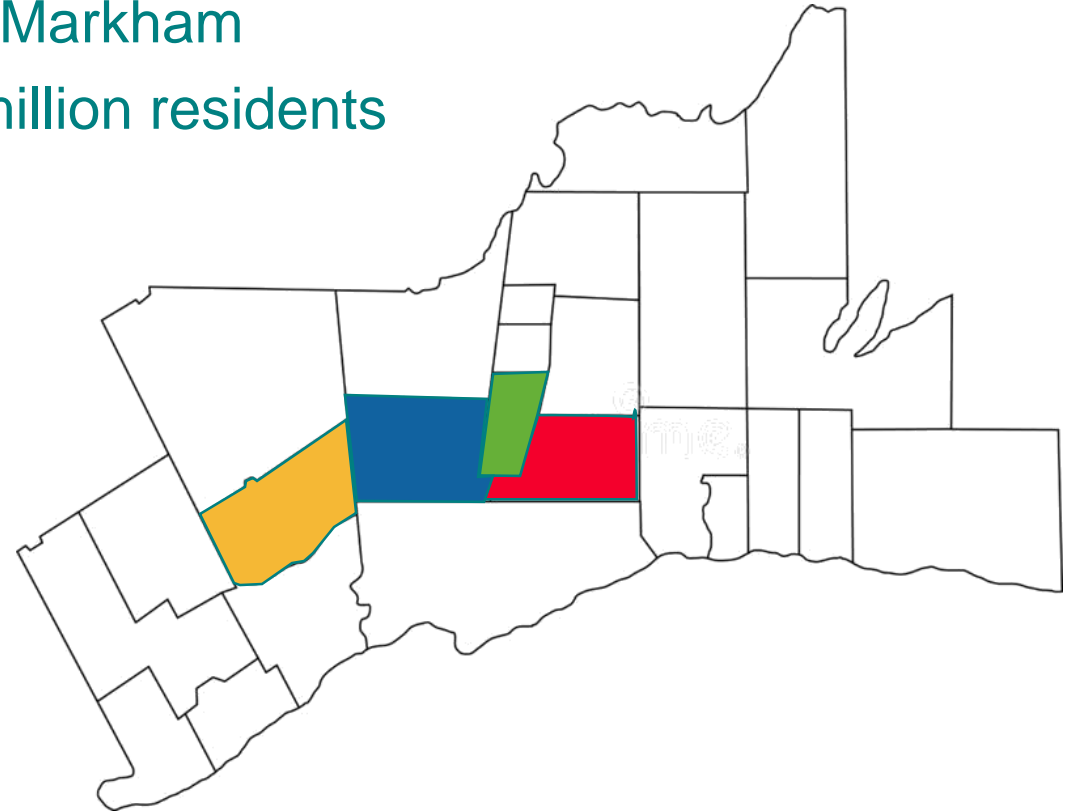
Agenda

1. Overview of Sustainable New Communities / Sustainability Metrics Program
2. General Updates to the Program
3. Key Information from Partner Municipalities
 - Brampton
 - Markham
 - Richmond Hill
 - Vaughan
4. Q & A



Partner Municipalities

- Brampton, Vaughan, Richmond Hill & now Markham
- Collectively covers 850 km² and over 1.5 million residents
- Importance of consistency across borders
- Program names:
 - Brampton
 - *Sustainable New Communities*
 - Markham, Richmond Hill, Vaughan
 - *Sustainability Metrics*



Overview of Program

Purpose

- Complete communities, innovation, trends
- Consistency across municipalities

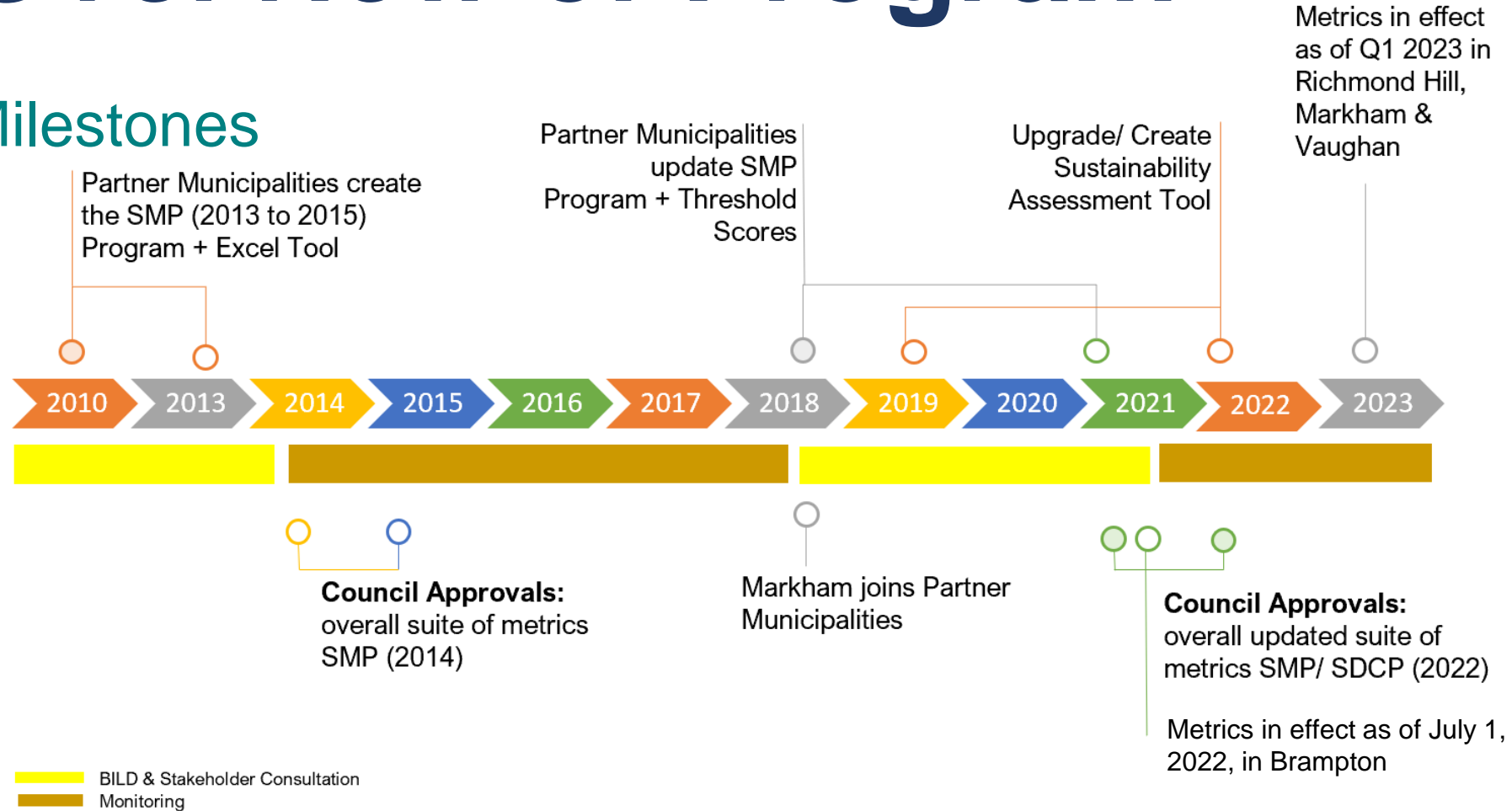
Why was an update needed?

- Progress in best practices for sustainable development;
- Changes to provincial legislation, and regional / local plans
- Revisions to City plans, policies, and guidelines; and
- Meeting the City's climate action goals and targets



Overview of Program

Milestones



Overview of Program

General Process

Eligibility

Block Plan
Draft Plan
Site Plan
ZBA (Brampton)

Sustainability
Metrics Program
Guidebook



Sustainability
Assessment
Tool

Excel or
Web-based

Outcome:
Score and
summary

*Dev Application
Review*



General Updates to the Program

Metrics and Thresholds

- Updated to reflect recent changes to OBC, industry trends, etc.
- Scoring system:

Performance level	<i>Bronze, Silver, Gold</i>
Minimum score threshold	<i>Draft Plan: 27 points</i> <i>Site Plan: 41 points</i> <i>Block Plan: 14 points</i> 

- Themes/categories



General Updates to the Program

Guidebook & Application Tool

- New format – more user friendly
- More comprehensive information related to documentation requirements
- Slight variations in each municipality's Guidebook



MB-8: ACTIVE TRANSPORTATION NETWORK			
Intent:	To promote active transportation through the provision of public multi-purpose trails/paths and cycling infrastructure. Cycling results in less vehicle dependence, and associated reduction in GHG emissions and air pollution. It also provides health benefits.		
Applicable to:	<input checked="" type="checkbox"/> Block Plan	<input checked="" type="checkbox"/> Draft Plan of Subdivision	<input checked="" type="checkbox"/> Site Plan
	Points	Requirement	Documentation
Good:	2 points	100% of residents/jobs are within 400 meters of: <ul style="list-style-type: none"> • An existing public multi-use trail or cycling infrastructure; or • A municipally approved public multi-use trail or cycling infrastructure (identified in a Council approved trail/cycling master plan, but not yet constructed); or • A proposed public multi-use trail or cycling infrastructure that is proposed within the development. 	In the Community Design Guidelines (Block Plan), Active Transportation map, or Urban Design Brief: <ul style="list-style-type: none"> • Provide a map showing the subject lands, a 400 meter buffer from the boundaries of the subject lands, and any existing or planned cycling networks. Note: <ul style="list-style-type: none"> • These points are only awarded if a cycling network is included in the project boundary.
References:	<ul style="list-style-type: none"> • Community Wellbeing Framework (2018): Environment Domain, Mobility 3B 		

MB-9: DISTANCE TO PUBLIC TRANSIT			
Intent:	To promote and support alternative transportation modes to personal automotive vehicle use. Transit-oriented communities reduce vehicle-kilometres traveled and associated emissions, have reduced traffic casualty rates, and support walking and cycling which improves community health.		
Applicable to:	<input type="checkbox"/> Block Plan	<input checked="" type="checkbox"/> Draft Plan of Subdivision	<input checked="" type="checkbox"/> Site Plan
	Points	Requirement	Documentation

Key Information from Partners

Brampton – Overview

- Updated Sustainable New Communities Program was unanimously approved by Council on May 4th, 2022, and officially launched on **July 1st, 2022**
- Update includes an improved Sustainability Assessment Tool which encompasses the new metrics/thresholds & new Summary and Snapshot
 - New tool streamlines process for applicants; no longer need to provide an additional summary report
 - After the application is reviewed, comments are provided from staff under the same single verification report

The screenshot displays the 'City Planning Application File Number' section with a search bar containing 'SPA-1111-1111'. Below this is the 'Municipal Address' field with '123 Flower Road'. The 'Applicant Name' is 'Planning Services Consulting Inc.' and the 'Property Owner Name' is 'Developer Co.'. The 'Planning Application Type' is 'Site Plan' and the 'Development Type' is 'Mixed Use'. There are fields for 'Email Address' and 'Confirm Email Address'. A 'Final Sustainability Score' of 44 is shown, along with a 'Bronze' award icon. A table titled 'Points Achieved by Category' shows: Built Environment (20), Mobility (9), Natural Environment and Parks (10), and Infrastructure and Buildings (5). A 'FINISH/SUBMIT' button is visible at the bottom right. Below the form, a table for 'Built Environment' shows a metric for 'Proximity to Amenities' with a score of 1 and a 'Yes' selection.

Indicator	Metric	Level	Points	Achieved?
BE-1	Three or more amenities are within 800 metres (i.e. 10 minute walk) of 75% of dwelling units.	Good	1	☑ Yes ☐ No



Key Information from Partners

Brampton – IB-12 Metric

- As of **January 1, 2023**, there will be one mandatory metric: IB-12: Building Energy Efficiency, Greenhouse Gas Reduction, And Resilience
 - New development proposals must achieve the “Good” level of IB-12
- The mandatory metric will help the City achieve its GHG reductions outlined in the Community Energy Emissions Reduction Plan (CEERP)



Key Information from Partners

Brampton – IB-12 Requirements

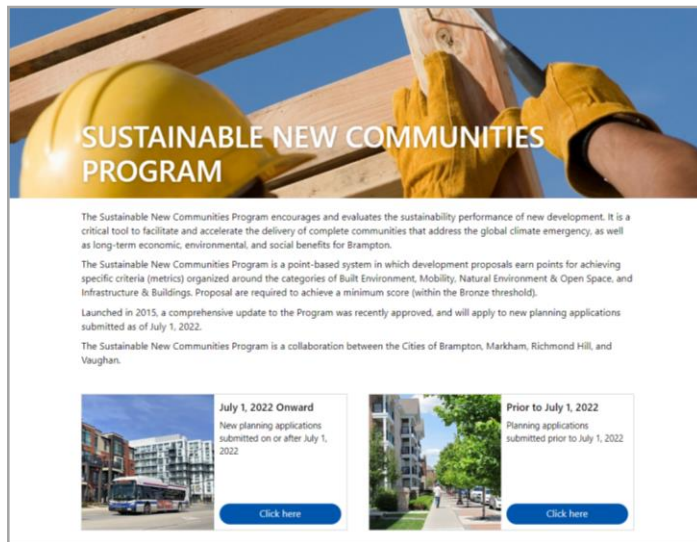
	Part 9 Residential Buildings	Part 3 Buildings – Multi-Unit Residential, Office and Retail	All Other Part 3 Buildings
Requirement	Achieve ENERGY STAR® for New Homes version 17.1 or R-2000® requirements, or equivalent.	Achieve whole-building performance metrics related to: <ul style="list-style-type: none"> - Total Energy Use Intensity - Thermal Energy Demand Intensity - Greenhouse Gas Emissions Intensity 	Achieve at least a 15% improvement in energy efficiency over the Ontario Building Code SB-10, Division 3 (2017) reference building.
Submission	Letter of Commitment	Energy Model Report & Documentation	Energy Model Report & Documentation



Key Information from Partners

Brampton – Website & Sustainability Assessment Tool

https://www.brampton.ca/EN/residents/GrowGreen/Pages/Building_New_Green_Communities.aspx



SUSTAINABLE NEW COMMUNITIES PROGRAM

The Sustainable New Communities Program encourages and evaluates the sustainability performance of new development. It is a critical tool to facilitate and accelerate the delivery of complete communities that address the global climate emergency, as well as long-term economic, environmental, and social benefits for Brampton.

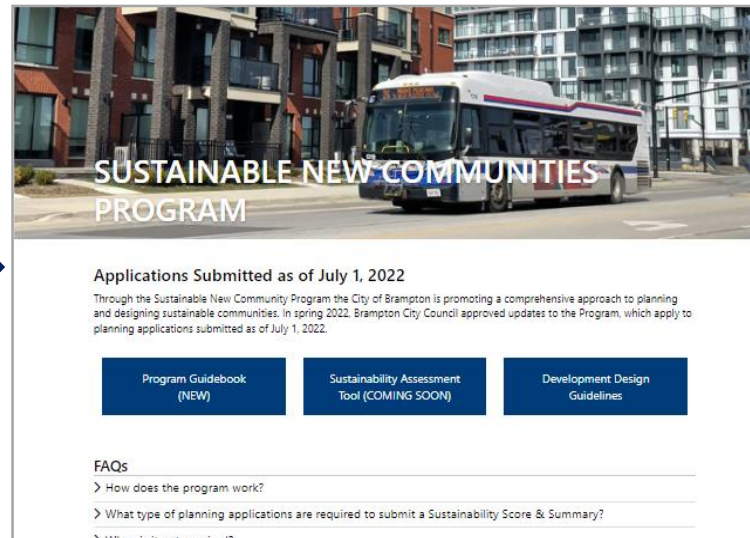
The Sustainable New Communities Program is a point-based system in which development proposals earn points for achieving specific criteria (metrics) organized around the categories of Built Environment, Mobility, Natural Environment & Open Space, and Infrastructure & Buildings. Proposals are required to achieve a minimum score (within the Bronze threshold).

Launched in 2015, a comprehensive update to the Program was recently approved, and will apply to new planning applications submitted as of July 1, 2022.

The Sustainable New Communities Program is a collaboration between the Cities of Brampton, Markham, Richmond Hill, and Vaughan.

July 1, 2022 Onward
New planning applications submitted on or after July 1, 2022
[Click here](#)

Prior to July 1, 2022
Planning applications submitted prior to July 1, 2022
[Click here](#)



SUSTAINABLE NEW COMMUNITIES PROGRAM

Applications Submitted as of July 1, 2022

Through the Sustainable New Community Program the City of Brampton is promoting a comprehensive approach to planning and designing sustainable communities. In spring 2022, Brampton City Council approved updates to the Program, which apply to planning applications submitted as of July 1, 2022.

[Program Guidebook \(NEW\)](#) [Sustainability Assessment Tool \(COMING SOON\)](#) [Development Design Guidelines](#)

FAQs

- > How does the program work?
- > What type of planning applications are required to submit a Sustainability Score & Summary?
- > When is it not required?

Sustainable New Communities Program

Sustainability Assessment Tool (SAT): For New Planning Applications Submitted After July 1, 2022

Welcome to the new Sustainability Assessment (SAT) for planning applications submitted as of July 1, 2022. During this Beta phase of the new SAT, you may encounter occasional glitches. If so, please let us know. This is what the Beta is intended for, and your feedback will enable us to improve the new SAT.

First time using the new SAT? Check out the [Quick Tips sheet](#) for guidance on how to use the tool.

City Planning Application File Number

(e.g. PRE-####-####, OZS-####-####, or SPA-####-####)

Not sure what your planning application file number is? Contact Planning & Development Services at 905-874-2050 or planning.development@brampton.ca

###-####-####



Key Information from Partners

Markham

- Strategic Context
- Council endorsement of minimum sustainability scores
- Where we are in the process



Strategic Context

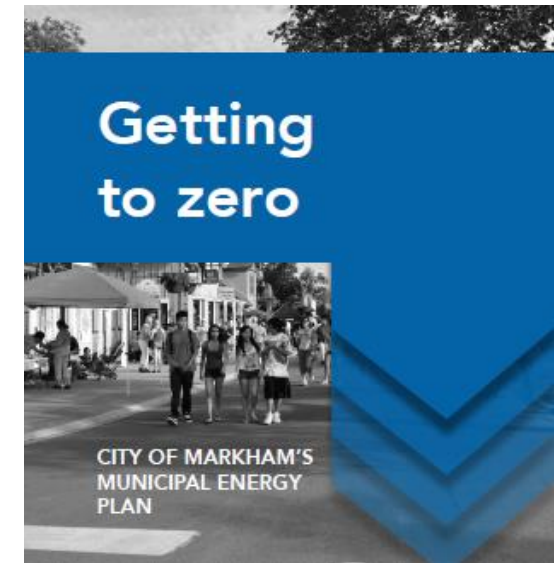
Markham Official Plan, 2014

Policy 6.2.3.1

“To consider the application of innovative sustainable design practices ... and building design through the development approval process and in particular, through the application of a sustainable development checklist ...”

Markham Municipal Energy Plan

“The Green Standard seeks to encourage high quality construction while incrementally increasing the energy performance of new buildings and community design.”



Council Endorsed Minimum Sustainability Scores

Recommended minimum performance scores based on Metrics related to exterior design

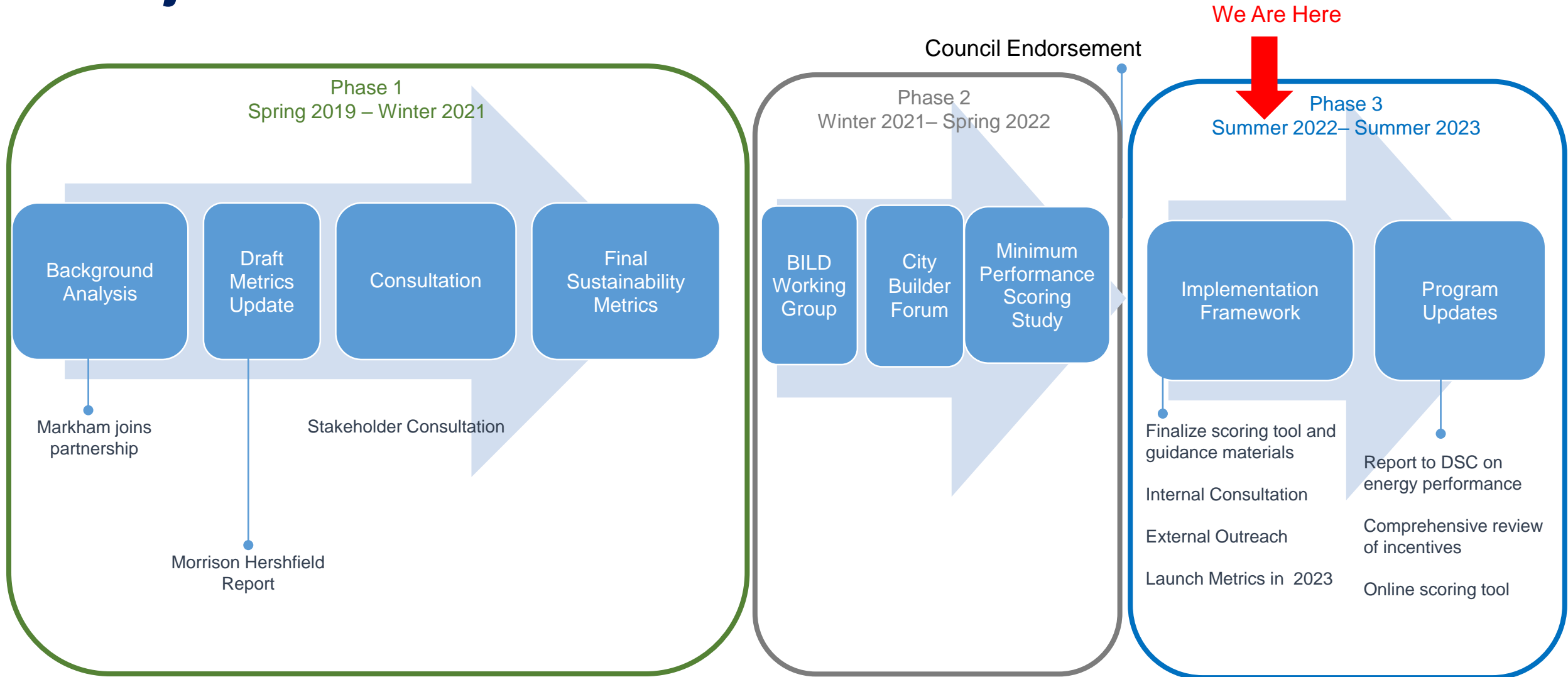
	Total Points Available	Bronze	Silver	Gold
Site Plan	241	41 - 61	62 - 75	76 - 241
Plan of Subdivision	194	27 - 40	41 - 49	50 - 194

Recommended minimum performance scores for Mid and High Rise Residential and Mixed-use replacing Current LEED Silver requirement

	Total Points Available	Bronze	Silver	Gold
Site Plan	241	55 - 81	82 - 101	102 - 241



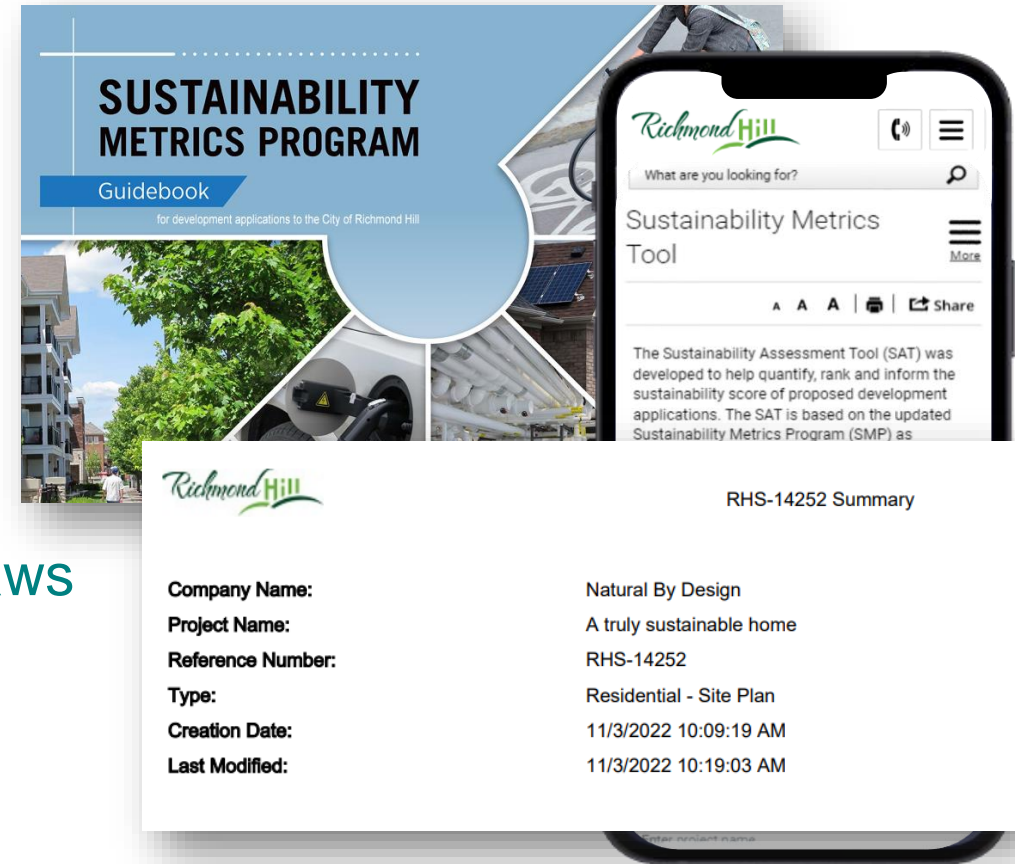
Project Timeline



Key Information from Partners

Richmond Hill

- Eligibility
 - SMP **not** applicable to block plans
- SMP Guidebook: RH-specific nuances
 - E.g. Waste and Light Pollution metrics reflect requirements of respective By-Laws
- Updated Sustainability Assessment Tool
- Summary report and score



Key Information from Partners

Richmond Hill

- Timing and transition considerations
 - Metrics submissions **received by December 31, 2022:** can continue using **CURRENT** program
 - All Metrics submissions **received after January 1, 2023:** subject to **NEW** program
- Richmond Hill Community Improvement Plan (CIP) – exploring incentive options



Additional information and resources: RichmondHill.ca/SustainabilityMetrics



Richmond Hill Sustainability Metrics Program

Screen shots from updated Sustainability Assessment Tool (SAT)


Drop-down menu for easy navigation between themes

RHS-14236 Built Environment

Company Richmond Hill	Creation Date 01/01/2023
Project Name Sustainability Metrics Program Update	Last Modified 01/01/2023
Type Mixed Use - Draft Plan	Reference Number RHS-14236

Automatic calculation of Sustainability Score

[Summary Report](#) *A Summary Report can be generated at any time - online and as a PDF*

Level Achieved: **Gold** (79/179) 

Built Environment

Points: 19 / 21

Displays points achieved vs. total points possible, in real time

BE-1: Proximity to Amenities

Quick links to relevant Metrics in program Guidebook

Points: 3 / 3

Purpose: To encourage development within and near existing amenities, create more walkable communities, and reduce auto dependency.

Will three or more amenities be within 800m (equivalent to a 10 minute walk) of 75% of dwelling units?

Yes No

Clearly state where the required evidence can be found (name of drawing(s), report(s), and/or letter of commitment) and specify the location details within the appropriate documents. Eg. Landscape Drawings, Sheets: L1-L4

- Landscape drawings (v.3), sheets L6-L8
- List of Amenities (Excel file)

Will three or more amenities be within 400m (equivalent to a 5 minute walk) of 75% of dwelling units?

Yes No

Describe how this criteria has been met and clearly state where the required evidence can be found (name of drawing(s), report(s), and/or letter of commitment) and specify the location details within the appropriate documents. Eg. Landscape Drawings, Sheets: L1-L4 :

Community centre, medical office, and convenience store all located within 400m of dwelling units. See
- Landscape drawings (v.3), sheets L6-L8

TIP: Indicate where in your application submission evidence for each metric can be found

BE-10: Electric Vehicle Charging Stations

Points: 0 / 7

Purpose: To facilitate the use of electric vehicles.

Will at least 10% of parking spaces be serviced with Electric vehicle supply equipment (EVSE) as per the SMP Guidebook?

Yes No

Qualifier Question

Qualifier questions, when answered "yes" will introduce a second question and a dropdown menu with answer options

What percentage of parking spaces are serviced with Electric vehicle supply equipment (EVSE) as per the SMP Guidebook?

Please select an option

Please select an option

At least 10% of parking spaces

20% or more of parking spaces

Will at least 50% of the parking spaces be designed and constructed to permit future installation of EVSE as per the SMP Guidebook?

I-1: Innovation

Points: 0 / 1

Purpose: To encourage applicants to achieve innovative performance. Innovation strategies must demonstrate a comprehensive approach, have significant, measurable environmental benefits, and be better than standard practices.

Will innovative strategies be included in the proposal?

Yes No

Qualifier Question

TIP: Save as you go! Users can save, exit and return to the application at any point.

Back

Save

Submit

RHS-14236

Innovation



The following is a summary of your application: please review and click 'export' to receive a PDF version for your records. You can also return to this page by clicking the link in your original email.

TIP: Preview your Summary Report at any point to see how your application will score!

Built Environment

Points: 18/21

BE-1: Proximity to Amenities

Points: 3/3

Purpose: To encourage development within and near existing amenities, create more walkable communities, and reduce auto dependency.

Will three or more amenities be within 800m (equivalent to a 10 minute walk) of 75% of dwelling units? Yes

Additional Information:

- Landscape drawings (v.3), sheets L6-L8 - List of Amenities (Excel file)

Will three or more amenities be within 400m (equivalent to a 5 minute walk) of 75% of dwelling units? Yes

Additional Information:

Community centre, medical office, and convenience store all located within 400m of dwelling units. See - Landscape drawings (v.3), sheets L6-L8 - List of Amenities (Excel file)

TIP: Evidence is key!

BE-2: Mixed-Use Development

Points: 1/1

Purpose: To support locating housing, services, recreation, schools, shopping, jobs, work space, and other amenities on the same lot or block to facilitate wise use of land, make it easier for people to walk or cycle to these destinations, and reduce auto dependency.

Will a mix of uses be provided on the same lot or block? Yes

Additional Information:

Residential (dwelling units), commercial (convenience store), and institutional (medical offices, community centre) uses are provided on same block.

Key Information from Partners

Vaughan

- Updated SMP unanimously approved by Council on May 3rd, 2022, and will officially launch **January 2023**
- **Service Vaughan**, Vaughan's online application process and is a seamless integration into development application process
- Silver threshold is required for applications in the VMC
- IB-18 Bird Safe Design – Vaughan's Bird Safe treatment standards is mandatory for all development applications.

<https://www.vaughan.ca/cityhall/departments/dp/Pages/Sustainability-Metrics.aspx>



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Key Information from Partners

Current Sustainability Metrics – Sustainability Assessment Tools (SAT)

Eligibility

Sustainability Metrics Program Guidebook

Sustainability Assessment Tool

Sustainability Summary Letter (Terms of Reference)

WHAT TYPE OF APPLICATIONS REQUIRE A SUSTAINABILITY METRIC SCORE?

- All Block Plans
- Plans of Subdivisions
- Site Plans

WHAT TYPES OF APPLICATIONS ARE EXEMPT?

- Minor site plan applications subject to site plan control bylaw 123-2013 Section 6 (v).
- Street townhouse dwellings within an approved Draft Plan of Subdivision or a registered Plan of Subdivision (Landscape Letter of Undertaking)
- Site plan applications for single detached dwellings.



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Performance I

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Sustainability Metrics Report

Report Number: 12345
 Plan Type: Block Plan
 Date: Nov 18, 2022
 Submission Date: Nov 21, 2022
 Sustainability Score: 45
 Threshold Achieved

BE-1: PROXIMITY TO AMENITIES

- Three or more amenities will be within 600 m (equivalent to a 15 minute walk) of 75% of dwelling units.
- Three or more amenities will be 400 m (equivalent to a 5 minute walk) of 70% of dwelling units.

BE-2: MIXED-USE DEVELOPMENT

- A mix of uses will be provided on the same lot or block.

BE-3: HOUSING DIVERSITY

- At least 10% of affordable-income or purpose-built rental housing will be provided.
- Two of the housing typologies listed will be provided: single detached, townhouse, rowhouse, mid-rise, high-rise, and/or additional dwelling unit within a single detached, semi-detached or townhouse dwelling (e.g. second unit, secondary suite).
- Three of the housing typologies listed will be provided: single detached, townhouse, rowhouse, mid-rise, high-rise, and/or additional dwelling unit within a single detached, semi-detached or townhouse dwelling (e.g. second unit, secondary suite).



Key Information from Partners



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Each SAT is automatically associated to eligible development applications.

The screenshot shows the Planning Portal interface. At the top, there are navigation links for 'Planning Portal', 'My Profile', 'Service Vaughan', and 'Log out'. Below this, the 'Development Planning Application' section is visible, with a search bar and an 'Add New' button. A table lists several applications with columns for Row ID, Permit/Application #, Status, Acceptance Date, Address, and Actions. Below this is the 'Project Details' section for a specific permit. At the bottom, the 'Child Projects' section is highlighted with a red box, showing a table of child projects with columns for Row ID, Type, Status, Application Date, Name, and Actions.

Row ID	Permit/Application #	Status	Acceptance Date	Address	Actions
533437	22 100716 000 00 DDPS	Incomplete Application Submission	2022-11-08		Application Continue Cancel
533365	22 100668 000 00 DDPS	Incomplete Application Submission	2022-10-28		Application Continue Cancel
533323	22 100654 000 00 DDPS	Active	2022-10-21		Detail
532255	21 130429 000 00 DDPS	Incomplete Application Submission	2021-11-16		Application Continue Cancel
532253	21 130428 000 00 DDPS	Incomplete Submission	2021-11-15		Continue Cancel

Row ID	Type	Status	Application Date	Name	Actions
533444	Part L or Control	Application Screening	2022-11-08		View Sustainability Metrics
533443	Official Plan Amendment	Application Screening	2022-11-08		Submit Sustainability Metrics
533438	Pre-Application Consultation Form	Closed	2022-11-08		



Questions and Contacts

Primary contacts for each partner municipality

- Constance Tsang, City of Brampton – constance.tsang@brampton.ca
- Prasanth C Varughese, City of Markham – pvarughese@markham.ca
- Derek Lau, City of Richmond Hill – derek.lau@richmondhill.ca
- Krysten Bates, City of Richmond Hill – krysten.bates@richmondhill.ca
- Christine Lee, City of Vaughan – christine.lee@vaughan.ca



Thank you for attending!

