#### CITY OF VAUGHAN

# **EXTRACT FROM COUNCIL MEETING MINUTES OF MAY 23, 2018**

Item 13, Report No. 18, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on May 23, 2018.

# 13 FINAL REPORT ON THE TESTING STAGE OF THE SUSTAINABILITY PERFORMANCE METRICS PROGRAM FILE NO. 22.24.3

The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager, Planning and Growth Management, dated May 8, 2018:

#### **Recommendations**

- 1. THAT the results of the testing stage and recommended improvements to the City of Vaughan's Sustainability Performance Metrics Program, including its integration into the development application review process, BE RECEIVED;
- 2. THAT the Sustainability Performance Metrics Threshold Scores for Block Plan, Draft Plan of Subdivision and Site Plan development applications, included in Table 1 of this report, BE ENDORSED;
- 3. THAT the Implementation and Monitoring Strategy for the Sustainability Performance Metrics Program, BE ENDORSED; and
- 4. THAT staff be directed to review and update the Sustainability Performance Metrics Program periodically to address any new best management practices.

(A copy of the attachments referred to in the following report have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)

Item:
-------



# **Committee of the Whole Report**

**DATE:** Tuesday, May 08, 2018 **WARDS:** ALL

TITLE: FINAL REPORT ON THE TESTING STAGE OF THE SUSTAINABILITY PERFORMANCE METRICS PROGRAM FILE NO. 22.24.3

#### FROM:

Jason Schmidt-Shoukri, Deputy City Manager, Planning and Growth Management

**ACTION:** DECISION

# **Purpose**

To provide Council with the findings and progress made during the testing stage of the Sustainability Performance Metrics (SPM) Program. During the testing stage, staff identified areas of improvement, integrated the SPM Program into the development application review process through education and training sessions for Development Planning Department staff, and developed the SPM Program Threshold Scores.

# **Report Highlights**

- Staff has completed the testing stage for the Sustainability Performance Metrics Program.
- Improvements to the Sustainability Performance Metrics Program have been implemented through consultation and training sessions with staff involved in the development application review process.
- Staff has established Sustainability Performance Metrics Threshold Scores to set sustainability goals for development applications.
- Action items have been identified for further process improvements and include training sessions with internal and external stakeholders.

# Recommendations

- 1. THAT the results of the testing stage and recommended improvements to the City of Vaughan's Sustainability Performance Metrics Program, including its integration into the development application review process, BE RECEIVED;
- 2. THAT the Sustainability Performance Metrics Threshold Scores for Block Plan, Draft Plan of Subdivision and Site Plan development applications, included in Table 1 of this report, BE ENDORSED;
- 3. THAT the Implementation and Monitoring Strategy for the Sustainability Performance Metrics Program, BE ENDORSED; and
- 4. THAT staff be directed to review and update the Sustainability Performance Metrics Program periodically to address any new best management practices.

# **Background**

# The SPM Program advances the City's Term of Council Priorities

The SPM Program implements the policies of the York Region Official Plan (2010), the City of Vaughan Official Plan (2010), and new Provincial policy direction of the Growth Plan for the Greater Golden Horseshoe (2017) to achieve complete communities. The SPM Program also advances the following Term of Council Priorities: to continue to develop transit, cycling and pedestrian options to get around the City; to re-establish the urban tree canopy; and to continue to cultivate an environmentally sustainable City.

The SPM Program implements Action Item 2.3.1 of Green Directions Vaughan that states the following:

"Develop sustainable development evaluation criteria, supported by provisions in Bill 51 and Places to Grow, that can be applied from neighbourhoods to sites and include these five areas: (1) development form/sustainable sites; (2) resource efficiency; (3) transportation; (4) public realm; and (5) greenspace and wildlife."

# The SPM Program began as a collaboration with the City of Vaughan, City of Brampton and Town of Richmond Hill

"Measuring Sustainability Performance of New Development in Brampton, Richmond Hill and Vaughan", known as the SPM Program, began as a collaboration between the City of Vaughan, the City of Brampton and the Town of Richmond Hill. The City's environmental partners, the Toronto and Region Conservation Authority and the Clean Air Partnership, also assisted in the collaboration process.

The Building Industry and Land Development Association (BILD) was consulted throughout the development phase of the SPM Program from 2011 to 2013. Phase 1 of

the SPM Program began in 2011, and was led by the City of Brampton with a focus on developing Brampton's Sustainability Community Development Guidelines. These Guidelines would act as a basis to inform the next phase. Phase 2 was led by the City of Vaughan and Halsall Associates to develop quantitative sustainability metrics in collaboration with the City's municipal partners.

# The SPM Program is comprised of a series of metrics, associated Minimum and Aspirational Targets, and supportive materials

The SPM Program is based on a series of Metrics that are categorized as Built Environment, Natural Environment and Open Space, Infrastructure and Buildings, and Mobility. Each Metric has associated Targets that are identified as either Minimum or Aspirational and set sustainability standards for that particular Metric. A certain number of points are awarded for meeting each Minimum or Aspirational Target. The SPM Program Metric Tables outline the Metric structure and identify the number of available points per Target. The SPM Program Guidebook provides additional information on the Metrics and Targets.

The SPM Program Scoring Tool is an Excel based spreadsheet that provides the specific Metrics and Targets using a series of "Yes", "No" and "Not Applicable" questions. The applicant enters information about their development application into the SPM Program Scoring Tool to produce an Application Score and a Community Score. The Application Score considers the design elements of a development proposal that the applicant has control over and can implement as part of the proposed project. The Community Score includes the Application Score, along with Metrics which are typically controlled or influenced by the City or the Regional Municipality of York (York Region) such as proximity to schools, transit, and cycling networks. The intent of the Community Score is to monitor the implementation of the SPM Program to inform future policies or implementation projects. The applicant submits these Scores as part of the development application submission.

# The SPM Program has received two prestigious awards and has been presented at numerous events

The SPM Program received the Ontario Professional Planners Institute's "Excellence in Planning" award in 2014 and the 2016 American Planning Association award in the Sustainability category. Since Council's approval in December 2013 to begin the SPM Program testing stage, the SPM Program has been featured as an article in the Ontario Planning Journal (November/December 2014, Vol. 29, No. 6). In addition, staff has presented the SPM Program at the following workshops and forums:

- York Chapter of BILD in May 2014 and April 2018;
- OPPI District event hosted by the City of Brampton in May 2015;
- Canada Green Building Council-Greater Toronto Chapter "Green Homes Summit" in January 2016;
- York Region "Built Environment and Health" strategy workshop in April 2016; and
- Green Development Standards workshops hosted by the Clean Air Partnership in 2014, 2016 and 2017.

# **Previous Reports/Authority**

An update report on the SPM Program was delivered to the Priorities and Key Initiatives Committee in March 2013 and was adopted by Council in April 2013. The update report included presentations by the York Region and Peel Region health agencies. A link to the Council Meeting Minutes is provided below:

http://www.vaughan.ca/council/minutes\_agendas/Agendaltems/Priorities0318\_13\_1.pdf

In April 2013, staff presented the draft SPM Program and accompanying consultant's report for public comment to the Committee of the Whole. In May 2013, Council adopted the April 2013 Committee of the Whole recommendation directing staff to prepare a report on recommendations for the phased implementation of the SPM Program. A link to the Council Meeting Minutes is provided below:

http://www.vaughan.ca/council/minutes\_agendas/Agendaltems/CW0430\_13\_22.pdf

The November 2013 Committee of the Whole report was adopted by Council in December 2013, which initiated the SPM Program testing stage for the City. Council directed that the completion of the testing stage be documented through a report to Council that identifies:

- the findings of the testing stage;
- financial considerations to refine the program;
- changes to the development application review process;
- amendments to policy and implementation documents; and
- further educational programs to improve stakeholder and staff knowledge.

A link to the Council Meeting Minutes is provided below:

http://www.vaughan.ca/council/minutes agendas/Agendaltems/CW1126 13 11.pdf

# **Analysis and Options**

# The testing stage of the SPM Program was formally launched in January 2015

January 2015 marked the formal launch of the testing stage when the Pre-Application Consultation Form was amended to require the SPM Program submission materials as part of a complete application. A SPM Program webpage was created to provide the development community with resources and information on the SPM Program. The website can be accessed using the link below:

https://www.vaughan.ca/sustainabilitymetrics

An interdepartmental team (Project Team) was established for the testing stage and was comprised of staff from the Financial Planning and Development Finance, Building Standards, Development Planning, Development Engineering, Parks Development, and Policy Planning and Environmental Sustainability Departments. During the testing stage, a sub-group of the larger Project Team (Sub-Group) undertook the following tasks:

- tracked SPM Program Scores using an Excel spreadsheet to inform the development of Threshold Scores and to monitor industry uptake;
- consolidated feedback from applicants and staff on the SPM Program Tables, SPM Program Guidebook, SPM Program Scoring Tool (Attachment 1 Sustainability Performance Metrics Program Scoring Tool) and other supporting documents to identify changes and/or customization in preparation of the formal roll out;
- gathered input from staff to enhance the integration of the SPM Program into the development application review process;
- provided training for staff, external planning consultants, and commenting agencies in group settings or one-on-one sessions;
- assessed the need for amendments to the City of Vaughan Official Plan (2010), the Site Plan Control By-law, Draft Plan of Subdivision and Site Plan Agreements; and
- described the scope of work and financial resources required to prepare alternative engineering standards, if necessary.

The Town of Richmond Hill and the City of Brampton both approved the implementation of the SPM Program and SPM Program Threshold Scores in February 2014 and in March 2015 respectively. The City of Vaughan has taken the opportunity to observe and implement the lessons learned from the partner municipalities' progress during our testing stage. The City continues to collaborate with our municipal partners, including through the Clean Air Council's promotion of green development standards.

# Staff implemented numerous improvements during the Testing Stage

During the testing stage, the Sub-Group completed the following improvements to the SPM Program:

- created criteria to clarify which applications are applicable to the SPM Program;
- revised the existing SPM Program Scoring Tool to increase scoring accuracy, provide additional clarity, increase user-friendliness, and increase specificity to Vaughan;
- replaced the existing SPM Program Summary Table with the SPM Program Summary Letter to be submitted by the applicant (Attachment 2 SPM Program Summary Letter Terms of Reference). The SPM Program Summary Letter streamlines the SPM Program Score verification process by indicating which specific Targets are achieved, and where in the supporting application studies satisfaction of the Targets can be verified;
- determined the feasibility and cost of replacing the Excel-based SPM Program Scoring Tool with a web-based scoring tool based on the online tool developed by the City of Brampton;
- developed verification forms for Draft Plan of Subdivision and Site Plan development applications to delineate interdepartmental roles and responsibilities, and streamline the SPM Program verification process;
- updated the Pre-Application Consultation Form and development guidance documents to support implementation of the SPM Program; and
- integrated the SPM Program into the Urban Design Guidelines.

# SPM Program Threshold Scores were established to set sustainability goals and to recognize sustainable development

Staff has established SPM Program Threshold Scores for Block Plan, Draft Plan of Subdivision, and Site Plan development applications, which are outlined in Table 1 below. The SPM Program Threshold Scores apply only to the Application Scores, and do not apply to the Community Scores. The Community Scores are not applicable as they include Metrics that are generally outside of the applicants' control. The Threshold Scores set achievable goals to encourage and recognize sustainable development practices.

Table 1: Sustainability Performance Metrics Program Threshold Scores

		Threshold Score	
Performance Level Block Plan		Draft Plan of Subdivision	Site Plan
Bronze	31 to 40 points	21 to 30 points	31 to 45 points
Silver	41 to 50 points	31 to 40 points	46 to 60 points
Gold	51 or more points	41 or more points	61 or more points

All applicable development applications are expected to meet or exceed the Bronze Threshold Score. The Vaughan Metropolitan Centre (VMC) is a provincially designated Urban Growth Centre and the location of the Toronto Transit Commission VMC subway station. The VMC will be developed at higher densities that are conducive to sustainable development. As such, applicable development applications in the VMC are expected to meet or exceed the Silver Threshold Score.

Development Planning staff will include the SPM Program Threshold Score and Performance Level achieved in the recommendation report to Council for each individual applicable Block Plan, Draft Plan of Subdivision and Site Plan development proposal. Staff is currently examining awards-based and marketable incentives to recognize higher-scoring development applications.

Staff will monitor the SPM Program Scores and Performance Levels achieved for a period of one year and conduct further analysis to determine which building types, and development areas within certain Secondary Plans, Area Plans, and Site-Specific Plans should warrant a higher Performance Level expectation for applicable development applications. Staff will report on the findings of this analysis in a report to Council in Q3 2019.

Attachment 3 provides details on the development of the SPM Program Threshold Scores.

# An Implementation and Monitoring Strategy for the next stage of the SPM Program is comprised of one-time and ongoing action items

The Implementation and Monitoring Strategy below outlines the one-time action items to be completed, and ongoing action items for continuous monitoring and program improvements.

One-time action items include the following:

 include SPM Program requirements in both Draft Plan of Subdivision and Site Plan Agreements;

- conduct analysis to determine which building types, and development areas within certain Secondary Plans, Area Plans, and Site-Specific Plans should warrant a higher Performance Level expectation for applicable development applications;
- update the Site Plan Control By-law to support the SPM Program;
- update the City of Vaughan Official Plan (2010), specifically the policies of Section 9.1.3 - Sustainable Development through the Official Plan Review process to better support the SPM Program;
- develop an automated tracking tool to monitor progress of the SPM Program;
- replace the Excel-based SPM Program Scoring Tool with a web-based scoring tool, subject to a future budget request and approval;
- monitor the SPM Program for a one-year period to evaluate the need for additional financial resources for refinement and implementation;
- develop a marketing strategy and campaign to promote the SPM Program; and
- develop awards-based and marketable incentives for higher-scoring applications.

#### Ongoing action items include the following:

- include the SPM Program Threshold Score and Performance Level achieved in the recommendation report to Council for each individual applicable development proposal;
- perform refinements to the SPM Program Scoring Tool, Guidebook, Metric Tables and SPM Program web page, as needed, to address legislative and Provincial policy changes;
- develop additional educational and training resources;
- provide additional guidance, support, and training to City staff and external stakeholders; and
- continue to deliver webinars to municipalities in the Greater Toronto Area and beyond to promote consistent green development standards, in collaboration with the Clean Air Council.

# **Financial Impact**

The integration of the SPM Program into the development application review process and the development of the SPM Program Threshold Scores have not incurred additional financial resources to date. However, further improvements and updates that require financial resources will be necessary during the implementation and monitoring stage. These improvements will include the refinement of a web-based scoring tool developed by and currently in use by the City of Brampton, the development of an automated tracking and monitoring tool, and ongoing updates and improvements to the SPM Program materials (i.e. SPM Program Metrics Tables, SPM Program Scoring Tool,

SPM Program Guidebook, etc.) to align with changing policies and legislation, and to raise sustainability Targets. There is an opportunity to coordinate these updates and improvements to the SPM Program and to share costs with our partner municipalities. Staff will provide an update report to Council in Q3 2019 on the SPM Program including an evaluation of financial implications.

# **Broader Regional Impacts/Considerations**

The SPM Program is consistent with numerous action items of the York Region Sustainability Strategy (2007), particularly Section 2 regarding healthy communities and Section 4 regarding a sustainable natural environment. The SPM Program is also consistent with Section 5.2 Sustainable Cities, Sustainable Communities of the York Region Official Plan (2010).

The SPM Program demonstrates the City's readiness to implement aspects of Ontario's Five Year Climate Change Action Plan (2016-2020), particularly the Provincial direction to "set green development standards" in support of the Climate Action Area entitled "Land-Use Planning: Support Low Carbon Communities". As per Section 2.2.1 Managing Growth within the Growth Plan for the Greater Golden Horseshoe (2017), municipalities are required to implement provincial policies to achieve complete communities. The SPM Program addresses the following aspects of this Provincial direction:

- create a range of transportation options, a diversity in mix of land uses while considering access to local amenities and services;
- provide a publicly-accessible open spaces, parks, trails, and other recreational facilities:
- expand convenient access to healthy, local, and affordable food options, including urban agriculture;
- ensure the development of high quality compact built form, an attractive and vibrant public realm, including public open spaces, through site design and urban design standards;
- mitigate and adapt to climate change impacts, build resilience, reduce greenhouse gas emissions, and contribute towards the achievement of lowcarbon communities; and
- integrate green infrastructure and low impact development.

As the City of Vaughan moves forward with the implementation of the SPM Program, the City will set an example for other municipalities within York Region to implement sustainable development practices.

# Conclusion

The testing stage of the SPM Program has been completed. Staff is now seeking Council endorsement to advance to the implementation stage. Several improvements were made during the testing stage, including:

- improved integration of the SPM Program into the development application review process through consultation across multiple departments;
- development of the SPM Program Threshold Scores for Block Plan, Draft Plan of Subdivision, and Site Plan development applications; and
- revision of the Excel-based SPM Program Scoring Tool to increase accuracy, clarity, and user-friendliness.

Council's endorsement of the finalization of the testing stage will support the following Term of Council Priorities: to continue to develop transit, cycling and pedestrian options to get around the City; to re-establish the urban tree canopy; and to continue to cultivate an environmentally sustainable City. Together with the City Wide Urban Design Guidelines, the Sustainability Performance Metrics Program is an important tool to increase the sustainability performance of new development City-wide and implements Provincial policy direction to achieve complete communities.

**For more information**, please contact: Ruth Rendon, Senior Environmental Planner, Policy Planning and Environmental Sustainability by phone at 905-832-8585, ext. 8104 or by email at <a href="mailto:ruth.rendon@vaughan.ca">ruth.rendon@vaughan.ca</a>.

# **Attachments**

- 1. Sustainability Performance Metrics Program Scoring Tool, Policy Planning and Environmental Sustainability, February 2018
- Sustainability Performance Metrics Program Summary Letter Terms of Reference, Policy Planning and Environmental Sustainability, February 2018
- 3. Sustainability Performance Metrics Program Threshold Score Evaluation, Policy Planning and Environmental Sustainability, February 2018

# Prepared by

Ashley Faulkner, Planner 1, ext. 8733
Ruth Rendon, Senior Environmental Planner, ext. 8104
Tony Iacobelli, Manager of Environmental Sustainability, ext. 8630
Mauro Peverini, Director of Development Planning, ext. 8407
Bill Kiru, Director of Policy Planning and Environmental Sustainability, ext. 8633

Item:
-------



# **Committee of the Whole Report**

**DATE:** Tuesday, May 08, 2018 **WARDS:** ALL

TITLE: FINAL REPORT ON THE TESTING STAGE OF THE SUSTAINABILITY PERFORMANCE METRICS PROGRAM FILE NO. 22.24.3

#### FROM:

Jason Schmidt-Shoukri, Deputy City Manager, Planning and Growth Management

**ACTION:** DECISION

# **Purpose**

To provide Council with the findings and progress made during the testing stage of the Sustainability Performance Metrics (SPM) Program. During the testing stage, staff identified areas of improvement, integrated the SPM Program into the development application review process through education and training sessions for Development Planning Department staff, and developed the SPM Program Threshold Scores.

# **Report Highlights**

- Staff has completed the testing stage for the Sustainability Performance Metrics Program.
- Improvements to the Sustainability Performance Metrics Program have been implemented through consultation and training sessions with staff involved in the development application review process.
- Staff has established Sustainability Performance Metrics Threshold Scores to set sustainability goals for development applications.
- Action items have been identified for further process improvements and include training sessions with internal and external stakeholders.

# Recommendations

- 1. THAT the results of the testing stage and recommended improvements to the City of Vaughan's Sustainability Performance Metrics Program, including its integration into the development application review process, BE RECEIVED;
- 2. THAT the Sustainability Performance Metrics Threshold Scores for Block Plan, Draft Plan of Subdivision and Site Plan development applications, included in Table 1 of this report, BE ENDORSED;
- 3. THAT the Implementation and Monitoring Strategy for the Sustainability Performance Metrics Program, BE ENDORSED; and
- 4. THAT staff be directed to review and update the Sustainability Performance Metrics Program periodically to address any new best management practices.

# **Background**

# The SPM Program advances the City's Term of Council Priorities

The SPM Program implements the policies of the York Region Official Plan (2010), the City of Vaughan Official Plan (2010), and new Provincial policy direction of the Growth Plan for the Greater Golden Horseshoe (2017) to achieve complete communities. The SPM Program also advances the following Term of Council Priorities: to continue to develop transit, cycling and pedestrian options to get around the City; to re-establish the urban tree canopy; and to continue to cultivate an environmentally sustainable City.

The SPM Program implements Action Item 2.3.1 of Green Directions Vaughan that states the following:

"Develop sustainable development evaluation criteria, supported by provisions in Bill 51 and Places to Grow, that can be applied from neighbourhoods to sites and include these five areas: (1) development form/sustainable sites; (2) resource efficiency; (3) transportation; (4) public realm; and (5) greenspace and wildlife."

# The SPM Program began as a collaboration with the City of Vaughan, City of Brampton and Town of Richmond Hill

"Measuring Sustainability Performance of New Development in Brampton, Richmond Hill and Vaughan", known as the SPM Program, began as a collaboration between the City of Vaughan, the City of Brampton and the Town of Richmond Hill. The City's environmental partners, the Toronto and Region Conservation Authority and the Clean Air Partnership, also assisted in the collaboration process.

The Building Industry and Land Development Association (BILD) was consulted throughout the development phase of the SPM Program from 2011 to 2013. Phase 1 of

the SPM Program began in 2011, and was led by the City of Brampton with a focus on developing Brampton's Sustainability Community Development Guidelines. These Guidelines would act as a basis to inform the next phase. Phase 2 was led by the City of Vaughan and Halsall Associates to develop quantitative sustainability metrics in collaboration with the City's municipal partners.

# The SPM Program is comprised of a series of metrics, associated Minimum and Aspirational Targets, and supportive materials

The SPM Program is based on a series of Metrics that are categorized as Built Environment, Natural Environment and Open Space, Infrastructure and Buildings, and Mobility. Each Metric has associated Targets that are identified as either Minimum or Aspirational and set sustainability standards for that particular Metric. A certain number of points are awarded for meeting each Minimum or Aspirational Target. The SPM Program Metric Tables outline the Metric structure and identify the number of available points per Target. The SPM Program Guidebook provides additional information on the Metrics and Targets.

The SPM Program Scoring Tool is an Excel based spreadsheet that provides the specific Metrics and Targets using a series of "Yes", "No" and "Not Applicable" questions. The applicant enters information about their development application into the SPM Program Scoring Tool to produce an Application Score and a Community Score. The Application Score considers the design elements of a development proposal that the applicant has control over and can implement as part of the proposed project. The Community Score includes the Application Score, along with Metrics which are typically controlled or influenced by the City or the Regional Municipality of York (York Region) such as proximity to schools, transit, and cycling networks. The intent of the Community Score is to monitor the implementation of the SPM Program to inform future policies or implementation projects. The applicant submits these Scores as part of the development application submission.

# The SPM Program has received two prestigious awards and has been presented at numerous events

The SPM Program received the Ontario Professional Planners Institute's "Excellence in Planning" award in 2014 and the 2016 American Planning Association award in the Sustainability category. Since Council's approval in December 2013 to begin the SPM Program testing stage, the SPM Program has been featured as an article in the Ontario Planning Journal (November/December 2014, Vol. 29, No. 6). In addition, staff has presented the SPM Program at the following workshops and forums:

- York Chapter of BILD in May 2014 and April 2018;
- OPPI District event hosted by the City of Brampton in May 2015;
- Canada Green Building Council-Greater Toronto Chapter "Green Homes Summit" in January 2016;
- York Region "Built Environment and Health" strategy workshop in April 2016; and
- Green Development Standards workshops hosted by the Clean Air Partnership in 2014, 2016 and 2017.

# **Previous Reports/Authority**

An update report on the SPM Program was delivered to the Priorities and Key Initiatives Committee in March 2013 and was adopted by Council in April 2013. The update report included presentations by the York Region and Peel Region health agencies. A link to the Council Meeting Minutes is provided below:

http://www.vaughan.ca/council/minutes\_agendas/Agendaltems/Priorities0318\_13\_1.pdf

In April 2013, staff presented the draft SPM Program and accompanying consultant's report for public comment to the Committee of the Whole. In May 2013, Council adopted the April 2013 Committee of the Whole recommendation directing staff to prepare a report on recommendations for the phased implementation of the SPM Program. A link to the Council Meeting Minutes is provided below:

http://www.vaughan.ca/council/minutes\_agendas/Agendaltems/CW0430\_13\_22.pdf

The November 2013 Committee of the Whole report was adopted by Council in December 2013, which initiated the SPM Program testing stage for the City. Council directed that the completion of the testing stage be documented through a report to Council that identifies:

- the findings of the testing stage;
- financial considerations to refine the program;
- changes to the development application review process;
- amendments to policy and implementation documents; and
- further educational programs to improve stakeholder and staff knowledge.

A link to the Council Meeting Minutes is provided below:

http://www.vaughan.ca/council/minutes agendas/Agendaltems/CW1126 13 11.pdf

# **Analysis and Options**

# The testing stage of the SPM Program was formally launched in January 2015

January 2015 marked the formal launch of the testing stage when the Pre-Application Consultation Form was amended to require the SPM Program submission materials as part of a complete application. A SPM Program webpage was created to provide the development community with resources and information on the SPM Program. The website can be accessed using the link below:

https://www.vaughan.ca/sustainabilitymetrics

An interdepartmental team (Project Team) was established for the testing stage and was comprised of staff from the Financial Planning and Development Finance, Building Standards, Development Planning, Development Engineering, Parks Development, and Policy Planning and Environmental Sustainability Departments. During the testing stage, a sub-group of the larger Project Team (Sub-Group) undertook the following tasks:

- tracked SPM Program Scores using an Excel spreadsheet to inform the development of Threshold Scores and to monitor industry uptake;
- consolidated feedback from applicants and staff on the SPM Program Tables, SPM Program Guidebook, SPM Program Scoring Tool (Attachment 1 Sustainability Performance Metrics Program Scoring Tool) and other supporting documents to identify changes and/or customization in preparation of the formal roll out;
- gathered input from staff to enhance the integration of the SPM Program into the development application review process;
- provided training for staff, external planning consultants, and commenting agencies in group settings or one-on-one sessions;
- assessed the need for amendments to the City of Vaughan Official Plan (2010), the Site Plan Control By-law, Draft Plan of Subdivision and Site Plan Agreements; and
- described the scope of work and financial resources required to prepare alternative engineering standards, if necessary.

The Town of Richmond Hill and the City of Brampton both approved the implementation of the SPM Program and SPM Program Threshold Scores in February 2014 and in March 2015 respectively. The City of Vaughan has taken the opportunity to observe and implement the lessons learned from the partner municipalities' progress during our testing stage. The City continues to collaborate with our municipal partners, including through the Clean Air Council's promotion of green development standards.

# Staff implemented numerous improvements during the Testing Stage

During the testing stage, the Sub-Group completed the following improvements to the SPM Program:

- created criteria to clarify which applications are applicable to the SPM Program;
- revised the existing SPM Program Scoring Tool to increase scoring accuracy, provide additional clarity, increase user-friendliness, and increase specificity to Vaughan;
- replaced the existing SPM Program Summary Table with the SPM Program Summary Letter to be submitted by the applicant (Attachment 2 SPM Program Summary Letter Terms of Reference). The SPM Program Summary Letter streamlines the SPM Program Score verification process by indicating which specific Targets are achieved, and where in the supporting application studies satisfaction of the Targets can be verified;
- determined the feasibility and cost of replacing the Excel-based SPM Program Scoring Tool with a web-based scoring tool based on the online tool developed by the City of Brampton;
- developed verification forms for Draft Plan of Subdivision and Site Plan development applications to delineate interdepartmental roles and responsibilities, and streamline the SPM Program verification process;
- updated the Pre-Application Consultation Form and development guidance documents to support implementation of the SPM Program; and
- integrated the SPM Program into the Urban Design Guidelines.

# SPM Program Threshold Scores were established to set sustainability goals and to recognize sustainable development

Staff has established SPM Program Threshold Scores for Block Plan, Draft Plan of Subdivision, and Site Plan development applications, which are outlined in Table 1 below. The SPM Program Threshold Scores apply only to the Application Scores, and do not apply to the Community Scores. The Community Scores are not applicable as they include Metrics that are generally outside of the applicants' control. The Threshold Scores set achievable goals to encourage and recognize sustainable development practices.

Table 1: Sustainability Performance Metrics Program Threshold Scores

		Threshold Score	
Performance Level	Block Plan	Draft Plan of Subdivision	Site Plan
Bronze	31 to 40 points	21 to 30 points	31 to 45 points
Silver	41 to 50 points	31 to 40 points	46 to 60 points
Gold	51 or more points	41 or more points	61 or more points

All applicable development applications are expected to meet or exceed the Bronze Threshold Score. The Vaughan Metropolitan Centre (VMC) is a provincially designated Urban Growth Centre and the location of the Toronto Transit Commission VMC subway station. The VMC will be developed at higher densities that are conducive to sustainable development. As such, applicable development applications in the VMC are expected to meet or exceed the Silver Threshold Score.

Development Planning staff will include the SPM Program Threshold Score and Performance Level achieved in the recommendation report to Council for each individual applicable Block Plan, Draft Plan of Subdivision and Site Plan development proposal. Staff is currently examining awards-based and marketable incentives to recognize higher-scoring development applications.

Staff will monitor the SPM Program Scores and Performance Levels achieved for a period of one year and conduct further analysis to determine which building types, and development areas within certain Secondary Plans, Area Plans, and Site-Specific Plans should warrant a higher Performance Level expectation for applicable development applications. Staff will report on the findings of this analysis in a report to Council in Q3 2019.

Attachment 3 provides details on the development of the SPM Program Threshold Scores.

# An Implementation and Monitoring Strategy for the next stage of the SPM Program is comprised of one-time and ongoing action items

The Implementation and Monitoring Strategy below outlines the one-time action items to be completed, and ongoing action items for continuous monitoring and program improvements.

One-time action items include the following:

 include SPM Program requirements in both Draft Plan of Subdivision and Site Plan Agreements;

- conduct analysis to determine which building types, and development areas within certain Secondary Plans, Area Plans, and Site-Specific Plans should warrant a higher Performance Level expectation for applicable development applications;
- update the Site Plan Control By-law to support the SPM Program;
- update the City of Vaughan Official Plan (2010), specifically the policies of Section 9.1.3 - Sustainable Development through the Official Plan Review process to better support the SPM Program;
- develop an automated tracking tool to monitor progress of the SPM Program;
- replace the Excel-based SPM Program Scoring Tool with a web-based scoring tool, subject to a future budget request and approval;
- monitor the SPM Program for a one-year period to evaluate the need for additional financial resources for refinement and implementation;
- develop a marketing strategy and campaign to promote the SPM Program; and
- develop awards-based and marketable incentives for higher-scoring applications.

#### Ongoing action items include the following:

- include the SPM Program Threshold Score and Performance Level achieved in the recommendation report to Council for each individual applicable development proposal;
- perform refinements to the SPM Program Scoring Tool, Guidebook, Metric Tables and SPM Program web page, as needed, to address legislative and Provincial policy changes;
- develop additional educational and training resources;
- provide additional guidance, support, and training to City staff and external stakeholders; and
- continue to deliver webinars to municipalities in the Greater Toronto Area and beyond to promote consistent green development standards, in collaboration with the Clean Air Council.

# **Financial Impact**

The integration of the SPM Program into the development application review process and the development of the SPM Program Threshold Scores have not incurred additional financial resources to date. However, further improvements and updates that require financial resources will be necessary during the implementation and monitoring stage. These improvements will include the refinement of a web-based scoring tool developed by and currently in use by the City of Brampton, the development of an automated tracking and monitoring tool, and ongoing updates and improvements to the SPM Program materials (i.e. SPM Program Metrics Tables, SPM Program Scoring Tool,

SPM Program Guidebook, etc.) to align with changing policies and legislation, and to raise sustainability Targets. There is an opportunity to coordinate these updates and improvements to the SPM Program and to share costs with our partner municipalities. Staff will provide an update report to Council in Q3 2019 on the SPM Program including an evaluation of financial implications.

# **Broader Regional Impacts/Considerations**

The SPM Program is consistent with numerous action items of the York Region Sustainability Strategy (2007), particularly Section 2 regarding healthy communities and Section 4 regarding a sustainable natural environment. The SPM Program is also consistent with Section 5.2 Sustainable Cities, Sustainable Communities of the York Region Official Plan (2010).

The SPM Program demonstrates the City's readiness to implement aspects of Ontario's Five Year Climate Change Action Plan (2016-2020), particularly the Provincial direction to "set green development standards" in support of the Climate Action Area entitled "Land-Use Planning: Support Low Carbon Communities". As per Section 2.2.1 Managing Growth within the Growth Plan for the Greater Golden Horseshoe (2017), municipalities are required to implement provincial policies to achieve complete communities. The SPM Program addresses the following aspects of this Provincial direction:

- create a range of transportation options, a diversity in mix of land uses while considering access to local amenities and services;
- provide a publicly-accessible open spaces, parks, trails, and other recreational facilities:
- expand convenient access to healthy, local, and affordable food options, including urban agriculture;
- ensure the development of high quality compact built form, an attractive and vibrant public realm, including public open spaces, through site design and urban design standards;
- mitigate and adapt to climate change impacts, build resilience, reduce greenhouse gas emissions, and contribute towards the achievement of lowcarbon communities; and
- integrate green infrastructure and low impact development.

As the City of Vaughan moves forward with the implementation of the SPM Program, the City will set an example for other municipalities within York Region to implement sustainable development practices.

# Conclusion

The testing stage of the SPM Program has been completed. Staff is now seeking Council endorsement to advance to the implementation stage. Several improvements were made during the testing stage, including:

- improved integration of the SPM Program into the development application review process through consultation across multiple departments;
- development of the SPM Program Threshold Scores for Block Plan, Draft Plan of Subdivision, and Site Plan development applications; and
- revision of the Excel-based SPM Program Scoring Tool to increase accuracy, clarity, and user-friendliness.

Council's endorsement of the finalization of the testing stage will support the following Term of Council Priorities: to continue to develop transit, cycling and pedestrian options to get around the City; to re-establish the urban tree canopy; and to continue to cultivate an environmentally sustainable City. Together with the City Wide Urban Design Guidelines, the Sustainability Performance Metrics Program is an important tool to increase the sustainability performance of new development City-wide and implements Provincial policy direction to achieve complete communities.

**For more information**, please contact: Ruth Rendon, Senior Environmental Planner, Policy Planning and Environmental Sustainability by phone at 905-832-8585, ext. 8104 or by email at <a href="mailto:ruth.rendon@vaughan.ca">ruth.rendon@vaughan.ca</a>.

# **Attachments**

- 1. Sustainability Performance Metrics Program Scoring Tool, Policy Planning and Environmental Sustainability, February 2018
- Sustainability Performance Metrics Program Summary Letter Terms of Reference, Policy Planning and Environmental Sustainability, February 2018
- 3. Sustainability Performance Metrics Program Threshold Score Evaluation, Policy Planning and Environmental Sustainability, February 2018

# Prepared by

Ashley Faulkner, Planner 1, ext. 8733
Ruth Rendon, Senior Environmental Planner, ext. 8104
Tony Iacobelli, Manager of Environmental Sustainability, ext. 8630
Mauro Peverini, Director of Development Planning, ext. 8407
Bill Kiru, Director of Policy Planning and Environmental Sustainability, ext. 8633



GENERAL INFORMATION						
				0 of 21 Ma	ndatory Metrics Are Satsified	
				0 of 79 Mi	nimum Targets Are Satsified	
Date:	Day Month, Year			0 of 93 Asp	irational Targets Are Satsified	
User Name:	Applicant Name		RESULTS	POINTS ACHIEVED		
Company Name:	Applicant Co					0%
Project Name:	Applicant's Project		OVERALL (Application	•		0%
Municipality:	Vaughan		OVERALL (Communi	ity) 0 of 168		
Type of Development Site:	Intensification		ENERGY (Applicati	ion) 0 of 47		0%
Plan Type:	Site Plan		ENERGY (Commun	nity) 0 of 47		0%
Type of Development Properties:	Low-Rise Residential (< 3 Storeys)	<select></select>	WATER (Applicati	ion) 0 of 29		0%
	Multi-Unit Residential (> 3 Storeys)	<select></select>	WATER (Commun	nity) 0 of 29		0%
	Commercial/Industrial/Office/Institutional	<select></select>	WALKABILITY(Application	ion) 0 of 37		0%
NOTE: Sample selections have bee	en made for "Type of Development Site" ("Inten		WALKABILITY (Commun	nity) 0 of 53		0%
· · · · · · · · · · · · · · · · · · ·	ALL (Application) 0 of 152" - 152 is the maximun	n number points that can be obtained for the	NATURAL SYSTEMS (Applicati	••		0%
"Intensification" and "Site Plan" se	elections). Ins is shown for demonstation purposes. In the i	interactive tool, questions that are not	NATURAL SYSTEMS (Commun			0%
<del></del>	cation will be greyed out as information is entere	•	NATORAL STSTEMS (COMMUNIC	ncy)		
BUILT ENVIRONMENT	, , , , , , , , , , , , , , , , , , ,					
Compact Development: Floor Spa	ce Index					
•	Floor Space Index or Floor Area Ratio requiren	nents been satisfied?			<select></select>	Mandatory
Compact Development: Persons a	ind Jobs per Hectare					
-	ollowing relevant minimum density targets?					
Places to Grow - 50 ppl+jobs/ha (					<select></select>	Mandatory
York Region - 70 ppl+jobs/ha OR,						,
Targets set within the Municipal	•					
Compact Development: Location I	•	ts established in the applicable Municipal Officia	al Plan		<select></select>	Mandatory
	_	•				Up to 3 Points
Input the percent increase in den	isity along existing or planned mid block collec	ctors planned for transit (50% to 79% = 1 point, a	80% to 100% = 2 points)		0%	(M and A)
	y to Basic Amenities					
Please Populate Both Cases				1 11 000 11 11 11		• 1 • • 1
Please Populate Both Cases		ithin 800m walking distance of 50% or more of the	he Dwelling Units for residential uses	and within 800m walking distance f	from the centre of the site for	non-residential
Please Populate Both Cases	uses (this minimum metric must be satisfied t	_	he Dwelling Units for residential uses	and within 800m walking distance f		non-residential
Please Populate Both Cases  Case 1 - Minimum Target	uses (this minimum metric must be satisfied to Grocery Store/Farmer's	_	he Dwelling Units for residential uses	and within 800m walking distance f	<select></select>	
Please Populate Both Cases  Case 1 - Minimum Target	uses (this minimum metric must be satisfied to Grocery Store/Farmer's Market Community/Recreation	_	he Dwelling Units for residential uses	and within 800m walking distance f	<select></select>	
Case 1 - Minimum Target	uses (this minimum metric must be satisfied to Grocery Store/Farmer's Market Community/Recreation Centre Pharmacy	_	he Dwelling Units for residential uses	and within 800m walking distance f	<select> <select> <select></select></select></select>	Up to 6 Points (N
Please Populate Both Cases  Case 1 - Minimum Target	uses (this minimum metric must be satisfied to Grocery Store/Farmer's Market Community/Recreation Centre Pharmacy Library	to earn aspirational points)			<select> <select> <select> <select></select></select></select></select>	Up to 6 Points (N
Please Populate Both Cases  Case 1 - Minimum Target	uses (this minimum metric must be satisfied to Grocery Store/Farmer's Market Community/Recreation Centre Pharmacy Library	_			<select> <select> <select> <select></select></select></select></select>	Up to 6 Points (N

Case 2 - Aspirational Target				_
	Community/Recreation Centre		<select></select>	Up to 6 Points (A)
	Pharmacy		<select></select>	
	Library		<select></select>	
and use Diversity Mix: Proximity	to Lifestyle Amenities			
Please Populate All Cases				
Case 1 - Mandatory Requirement	Have all Municipal Official Plan Requirement	ts been satisfied?	<select></select>	Mandatory
	Select amenities (1 point each) that are with	in 800m walking distance of 50% or more of the Dwelling Units for residential uses or within 800m walking distance from the centr	e of the site for non-resid	ential
ľ	uses (this minimum metric must be satisfied	l to earn aspirational points)		
1	General Retail		<select></select>	
(	Convenience Store		<select></select>	
•	Theatre		<select></select>	
Consideration Toward	Coffee Store		<select></select>	
Case 1 - Minimum Target	Hair/Nail Salon Bank		<select></select>	
	Place of Worship		<select></select>	Up to 3 Points (M
	Daycare Restaurant/		<select></select>	
	Pub Other (Please		<select></select>	
	Specify)		<select></select>	
	specify,	Specify	<select></select>	
		эреспу	43ClCCtr	
		in 400m walking distance of 75% or more of the Dwelling Units for residential uses or within 400m walking distance from the centr	e of the site for non-resid	ential uses
•	General Retail		<select></select>	
	Convenience Store		<select></select>	
-	Theatre		<select></select>	
Case 2 - Aspirational Target	Coffee Store		<select></select>	
Case 2 - Aspirational ranget	Hair/Nail Salon Bank		<select></select>	Up to 3 Points (A
	Place of Worship		<select></select>	Op to 3 Points (A)
	Daycare Restaurant/		<select></select>	
	Pub Other (Please		<select></select>	
	Specify)		<select></select>	
	- <b>-</b>	Specify	<select></select>	
andscape and Street Tree Plantin	ng/Preservation - Urban Tree Diversity	·		
	<u> </u>	rks, parking area, etc), have tree species been alternated every two trees, or in accordance with approved municipal	<select></select>	Mandatory
	ng/Preservation - Maintain Existing Healthy	Trees		
Are there any trees on site?			<select></select>	Qualifier
<u>-</u>	nerated that identifies and evaluates where	an also be also make make as well be much asked (in also an manual) an manual of	<select></select>	Mandatory
125 20 Arnorist's Renort been gen		on-cite negitaly matrire trees will be brotected lin-citil or moved) or removed?		
		on-site healthy mature trees will be protected (in-situ or moved) or removed?	\3CICCL>	
When healthy mature trees are re		f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees	<select></select>	2 Points (M)
When healthy mature trees are re or park trees)	emoved, are new trees provided at a ratio of	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees	<select></select>	2 Points (M)
When healthy mature trees are re or park trees) Have 75% of the healthy mature to	emoved, are new trees provided at a ratio of trees greater than 20cm DBH been preserved	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees		-
When healthy mature trees are re or park trees) Have 75% of the healthy mature to andscape and Street Tree Planting	emoved, are new trees provided at a ratio of trees greater than 20cm DBH been preserved g/Preservation - Soil Quantity and Quality	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees	<select></select>	2 Points (M) 3 Points (A)
When healthy mature trees are re or park trees) Have 75% of the healthy mature to andscape and Street Tree Planting Have all the City's mandatory Tree	emoved, are new trees provided at a ratio of trees greater than 20cm DBH been preserved by Preservation - Soil Quantity and Quality e Planting Standards been satisfied?	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees d in situ on site?	<select></select>	2 Points (M)
When healthy mature trees are represent trees) Have 75% of the healthy mature transport to the second of the healthy mature transport to the second of the City's mandatory Tree All pits, trenches and/or planting by the city's mandatory tree All pits, trenches and/or planting by the city's mandatory tree All pits, trenches and/or planting by the city's mandatory trenches and the city's mandatory trenches are reconstructed to the city trenches are reconstructed to	emoved, are new trees provided at a ratio of trees greater than 20cm DBH been preserved by Preservation - Soil Quantity and Quality e Planting Standards been satisfied?  beds have a topsoil layer greater than 60cm versions.	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees d in situ on site?  with an organic matter content of 10% to 15 % by dry weight and a pH of 6.0 to 8.0. The subsoil has a total	<select></select>	2 Points (M) 3 Points (A)
When healthy mature trees are report park trees) Have 75% of the healthy mature transpared and Street Tree Planting Have all the City's mandatory Tree All pits, trenches and/or planting but the compacted soil depth of 90 cm.	emoved, are new trees provided at a ratio of trees greater than 20cm DBH been preserved by Preservation - Soil Quantity and Quality e Planting Standards been satisfied?  beds have a topsoil layer greater than 60cm was the same of 30 cubic results.	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees d in situ on site?  with an organic matter content of 10% to 15 % by dry weight and a pH of 6.0 to 8.0. The subsoil has a total	<select> <select> <select></select></select></select>	2 Points (M) 3 Points (A)  Mandatory
When healthy mature trees are report park trees) Have 75% of the healthy mature to andscape and Street Tree Planting Have all the City's mandatory Tree All pits, trenches and/or planting buncompacted soil depth of 90 cm. Green Building - Third Party Green	emoved, are new trees provided at a ratio of trees greater than 20cm DBH been preserved by Preservation - Soil Quantity and Quality e Planting Standards been satisfied?  beds have a topsoil layer greater than 60cm was the same of 30 cubic results.	f 3 to 1 on site (or as determined by the municipality) to mitigate the lost canopy coverage? (does not including street trees d in situ on site?  with an organic matter content of 10% to 15 % by dry weight and a pH of 6.0 to 8.0. The subsoil has a total	<select> <select> <select></select></select></select>	2 Points (M) 3 Points (A)  Mandatory

How many buildings are certified under third party Green Standards? (2 Points if One or More)	О	Please Select Applicable Certification Standards: <select></select>		<select></select>	<select></select>	2 Points (M)	
What percentage of buildings will be certified under third party Green Standards? (2 Points if 50-75%, 4 Points if 76-100%. Site must have 5 or more buildings.)	0%	Please Select Applicable Certification Standards:		<select></select>	<select></select>	<select></select>	Up to 4 Points (A)
Site Accessibility - Universal Design							
Have 10% of multi-residential units been designed to provide a barrier-free path of	ftravel from the suite ent	rance door to the doorway of	at least one bedroom at the	e same level, and at	least one	Yes	Mandatory
What percentage of buildings are designed in accordance with Universal Design ar	nd Accessibility guidelines	s (i.e. ICC/ANSI A117.1 or equi	valent) (1 point for 20% and	d 2 points for 30%)		0%	Up to 2 Points (M and A)
Site Accessibility - Number of Universally Accessible Points of Entry to Buildings ar Are 100% of primary entrances Universally Accessible?Are 100% of emergency exit		Are				<select></select>	Mandatory
100% of all entrances and exits Universally Accessible?	·					<select></select>	1 Point (M)
United He's Adding Deaths for His Contail Louisian City Diag						<select></select>	1 Point (A)
Housing Unit Mix - Design for Life Cycle Housing - Site Plan							Γ
nput the percentage of housing types that fall under the following categories		Ownership		Housing Type		Accommodations	
Point Allocation	Affordable	0%	Attached	0%	Live Work	0%	
Ownership -					_		
More than 10% of Development properties are affordable = 1 Point	Market	0%	Detached	0%	Multi-Generational Living	0%	
Housing Type -					_		
Two of Four Housing Types = 1 points			Townhomes/Stacked	0%	Mixed Use	0%	11 4 7 D . i 4 (8.4)
Three of Four Housing Types = 2 points Four of Four Housing Types = 3 points							Up to 7 Points (M)
rour or rour nousing Types = 5 points			Mid/Hi-Rise	0%	1 Bedroom/Studio	0%	
Accommodation Type -			<b>.,</b>				
Two of Five Accommodation Types = 1 point					_		
Three of Five Accommodation Types = 2 points					>2 Bedroom	0%	
Four of Five Accommodation Types = 3 Points							
NOTE: 2 bedroom units are intentionally omitted from the							
accommodations section							
Housing Unit Mix - Design for Life Cycle Housing - Block and Draft Plan							
nput the percentage of housing types that fall under the following categories		Ownership		Housing Type		Accommodations	
Point Allocation	П		]				
Ownership -	Affordable	0%	Attached	0%	Live Work	0%	
More than 10% of Development properties are affordable= 2 Points			l				

Nore than 10% of Development properties are affordable= 2 Points	80	00/	<b>.</b>	00/	Baulai Con	00/	
lousing Type -	Market	0%	Detached	<b>0</b> %	Multi-Generational Living	0%	
wo of Four Housing Types = 1 points					_		Up to 7 Points (
hree of Four Housing Types = 2			Townhomes/Stacked	0%	Mixed Use	0%	
oints Four of Four Housing Types = 3 points			10Williomes/Stacked	0%	Wilked Ose	070	
accommodation Type -					_		
wo of Three Accommodation Types = 1 point			Mid/Hi-Rise	0%			
hree of Three Accommodation Types = 2				<b>5</b> /6			
oints			_				
		-					
andscape and Street Tree Planting/Preservation - Per Cent Tree Canopy Within Proximit ave all the City's mandatory planting requirements been satisfied?	ity to Building/Pedes	trian Infrastructure				No	Mandator
What percentage of sidewalks will have shade provided by trees within 10 years of devel	elopment? All trees sh	hould be selected from	the applicable municipal tre	e list. (50%=2 Point	s, 75%=4)	0%	Up to 4 Point
oints)Community Form - Community and Neighborhood Scale							and A)
ommunity - formed by a clustering of neighborhoods, typically 6 to 9 (depending on top efined by 400 meters (5 minute walk) from center to perimeter with a distinct edge or b			<u>=</u>	_		<select></select>	4 Doints /A
ocus with a compatible mix of uses that include medium and high-density, retail or com	nmunity facilities, and	d a parkette/village squ				Selection	4 Points (iv
ocus with a compatible mix of uses that include medium and high-density, retail or comb hould include higher residential densities, retail, employment opportunities, be accessil arking - Bicycle Parking - Multi-Family Buildings	nmunity facilities, and	d a parkette/village squ					
ocus with a compatible mix of uses that include medium and high-density, retail or complete the companies of uses that include medium and high-density, retail or complete the complete the complete that is a compact of the compact of t	nmunity facilities, and ible, and served by pu	d a parkette/village squublic transit.	are. Mixed use node - centra			<select></select>	Mandator
ocus with a compatible mix of uses that include medium and high-density, retail or commould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings  ave Municipal Standards been satisfied?  ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has	nmunity facilities, and ible, and served by pu	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select></select>	Mandator 1 Point (N
ocus with a compatible mix of uses that include medium and high-density, retail or composite of the composition of the composit	nmunity facilities, and ible, and served by pu	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select></select>	Mandator 1 Point (M
ocus with a compatible mix of uses that include medium and high-density, retail or complete the comparison of uses that include medium and high-density, retail or complete the complete the comparison of the com	nmunity facilities, and ible, and served by pu	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select> <select> <select></select></select></select>	Mandator 1 Point (M 1 Point (A
ocus with a compatible mix of uses that include medium and high-density, retail or comphould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? lave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has alave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional lave Municipal Standards been satisfied?	nmunity facilities, and ible, and served by pu	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select> <select> <select> <select></select></select></select></select>	Mandator 1 Point (N 1 Point (A
ocus with a compatible mix of uses that include medium and high-density, retail or combould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? lave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has lave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional lave Municipal Standards been satisfied?	nmunity facilities, and ible, and served by pure ible, and served by pu	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select> <select> <select> <select> <select> <select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier
cocus with a compatible mix of uses that include medium and high-density, retail or combould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? lave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has allowed a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional lave Municipal Standards been satisfied?  Poes the development plan include any office or institutional buildings?  For FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of	nmunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select> <select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier
ocus with a compatible mix of uses that include medium and high-density, retail or combould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? lave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has alave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional lave Municipal Standards been satisfied? Does the development plan include any office or institutional buildings? Or FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of Gross Floor A	nmunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?	d a parkette/village squublic transit.	are. Mixed use node - centra provided at grade?			<select> <select> <select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M
cocus with a compatible mix of uses that include medium and high-density, retail or comphould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? lave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has alave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional lave Municipal Standards been satisfied? lave Municipal Standards been satisfied? loes the development plan include any office or institutional buildings? lor FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of Gross Floor Aure the bicycle parking spots weather protected and close to building entrance?	amunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select></select></select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A)  Mandator Qualifier 1 Point (M 1 Point (A)
cous with a compatible mix of uses that include medium and high-density, retail or combould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? In ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has a lave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a lave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a lave Municipal Standards been satisfied? Institutional lave Municipal Standards been satisfied? Institutional buildings? For FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of Gross Floor A are the bicycle parking spots weather protected and close to building entrance? For OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender).	amunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select> <select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A)  Mandator Qualifier 1 Point (M
ocus with a compatible mix of uses that include medium and high-density, retail or compound include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings ave Municipal Standards been satisfied? ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional ave Municipal Standards been satisfied? oes the development plan include any office or institutional buildings? or FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of Gross Floor Are the bicycle parking spots weather protected and close to building entrance? or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) larking - Off-Street Parking	amunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select></select></select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A
ocus with a compatible mix of uses that include medium and high-density, retail or compound include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings ave Municipal Standards been satisfied? ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional ave Municipal Standards been satisfied? oes the development plan include any office or institutional buildings? or FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) is arking - Off-Street Parking	amunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?  Area?  been provided for each	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select></select></select></select></select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A
cous with a compatible mix of uses that include medium and high-density, retail or compould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings ave Municipal Standards been satisfied? ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional ave Municipal Standards been satisfied?  oes the development plan include any office or institutional buildings?  or FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) or OFFICE or INSTITUTIONAL buildings or Density or De	amunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?  Area?  been provided for each area area.	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select></select></select></select></select></select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A
rould include higher residential densities, retail, employment opportunities, be accessibled include higher residential densities, retail, employment opportunities, be accessibled include higher residential densities, retail, employment opportunities, be accessibled include higher residential densities, retail, employment opportunities, be accessibled.  Briting - Bicycle Parking - Multi-Family Buildings  Briting - Bicycle Parking stalls per Dwelling Unit been provided? Additionally, has a retain a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a retain a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a retain a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a retain a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a retain a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a retain a Bicycle Parking spots been satisfied?  Destrict Parking spots weather protected and close to building entrance? For OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) in a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor A retain a provided per 100m2 of Gross Floor	amunity facilities, and ible, and served by pure a minimum of 5% of a minimum of 10% of Gross Floor Area?  Area?  been provided for each area area.	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select></select></select></select></select></select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A  1 Point (M 1 Point (M
recus with a compatible mix of uses that include medium and high-density, retail or compound include higher residential densities, retail, employment opportunities, be accessificated include higher residential densities, retail, employment opportunities, be accessificated.  But a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has a receive a minimum of 0.8 bi	ible, and served by put ible, and served by put ible, and served by put is a minimum of 5% of a minimum of 10% of Gross Floor Area?  Area?  been provided for earking rking?	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select> <select></select></select></select></select></select></select></select></select></select></select></select></select></select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (N 1 Point (A 2 Points (A  1 Point (A 5 Points (A
recus with a compatible mix of uses that include medium and high-density, retail or compound include higher residential densities, retail, employment opportunities, be accessificated.  Briting - Bicycle Parking - Multi-Family Buildings  Bave Municipal Standards been satisfied?  Bave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has a larking - Bicycle Parking - Commercial/Residential/Institutional  Bave Municipal Standards been satisfied?  Boes the development plan include any office or institutional buildings?  Bor FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of provisitors, have 0.15 bicycle parking spots been provided per 100m2 of Gross Floor Are the bicycle parking spots weather protected and close to building entrance?  Bor OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) in the provision of the surface parking or behind a building?  Bor Institutional area dedicated to new off-street surface parking - Surface Parking  Bor Sur	ible, and served by put ible, and served by put ible, and served by put is a minimum of 5% of a minimum of 10% of Gross Floor Area?  Area?  been provided for earking rking?	d a parkette/village squublic transit.  The bike parking been of the bike parking been	provided at grade?			<select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A  1 Point (A 5 Points (A
arking - Bicycle Parking - Multi-Family Buildings ave Municipal Standards been satisfied? ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave Municipal Standards been satisfied?  To be still be been been satisfied?  To FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) arking - Off-Street Parking  Ill new off-street parking has been located beside or behind a building?  It less than 20% of the total developmental area dedicated to new off-street surface parl acilities? Has 85% or more of the surface parking been consolidated to be structured pararking - Surface Parking  as a strategy been developed to minimize surface parking for permanent employees an arking - Carpool and Efficient Vehicle Parking  What percentage of site parking spots been dedicated to car pooling and/or fuel efficient	ible, and served by put ible, and an ible, and	d a parkette/village squublic transit.  The bike parking been of the bike parking been ach 30 bicycle parking s	provided at grade? n provided at grade? spots?	il to the cluster of n	eighborhoods the node	<select></select>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A  1 Point (M 1 Point (A 5 Points (A  1 Point (M
arking - Bicycle Parking - Multi-Family Buildings ave Municipal Standards been satisfied? ave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has ave Municipal Standards been satisfied?  oes the development plan include any office or institutional buildings?  or FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or VISITORS, have 0.15 bicycle parking spots been provided per 100m2 of or OFFICE or INSTITUTIONAL buildings, has one shower and change room (per gender) arking - Off-Street Parking  Il new off-street Parking  Il new off-street parking has been located beside or behind a building?  less than 20% of the total developmental area dedicated to new off-street surface parlicilities? Has 85% or more of the surface parking been consolidated to be structured pararking - Surface Parking  as a strategy been developed to minimize surface parking for permanent employees an arking - Carpool and Efficient Vehicle Parking  //hat percentage of site parking spots been dedicated to car pooling and/or fuel efficiency cated in preferred areas close to building entries. A minimum of 4 spots are required. ()	ible, and served by put ible, and an ible, and	d a parkette/village squublic transit.  The bike parking been of the bike parking been ach 30 bicycle parking s	provided at grade? n provided at grade? spots?	il to the cluster of n	eighborhoods the node	<pre></pre>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A  1 Point (M 1 Point (A 5 Points (A
cocus with a compatible mix of uses that include medium and high-density, retail or combould include higher residential densities, retail, employment opportunities, be accessible arking - Bicycle Parking - Multi-Family Buildings lave Municipal Standards been satisfied? lave a minimum of 0.6 biking stalls per Dwelling Unit been provided? Additionally, has alave a minimum of 0.8 biking stalls per Dwelling Unit been provided? Additionally, has arking - Bicycle Parking - Commercial/Residential/Institutional lave Municipal Standards been satisfied? Loes the development plan include any office or institutional buildings? Cor FULL-TIME EMPLOYEES, have 0.13 bicycle parking spots been provided per 100m2 of Gross Floor A	ible, and served by put ible, and served by put ible, and served by put is a minimum of 5% of a minimum of 10% of Gross Floor Area?  Area?  been provided for early in a minimum of 10% of Gross Floor Area?  hereing is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  hereing is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  hereing is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?  arking is a minimum of 10% of Gross Floor Area?	d a parkette/village squublic transit.  The bike parking been of the bike parking been ach 30 bicycle parking sach dor car share/zip car (bints)	provided at grade? n provided at grade? spots?  (does not apply to compact calculated as apply to calculated as apply to compact calculated as apply to calculated as apply	ars). Dedicated par	eighborhoods the node	<pre></pre>	Mandator 1 Point (M 1 Point (A  Mandator Qualifier 1 Point (M 1 Point (A 2 Points (A  1 Point (M 1 Point (A 5 Points (A  1 Point (M 1 Point (M 1 Point (M

What percentage of new residential-only streets are designed with traffic calming strategies? (75%=1 Point, 100%=2 Points)	0%	Up to 2 Points
		(M and A)
What percentage of new non-residential and/or mixed-use streets are designed with traffic calming strategies? (50%=1 Point, 75%=2 Points)	0%	Up to 2 Points (M and A)
Pedestrian Connections - School Proximity to Transit Routes and Bikeways		
For all schools, what is the shortest walking distance to transit routes and/or bikeways? (400m=2 Points, 200m=4 Points)	0	Up to 4 Points (M and A)
Pedestrian Connections - Proximity to School		
Are 50% of Dwelling Units within 800 meters walking distance of public/private elementary, Montessori, and middle schools? (Must satisfy this minimum target to earn aspirational points)	<select></select>	2 Points (M)
Are 50% of Dwelling Units within 1600 meters of public/private high schools? (Must satisfy this minimum target to earn aspirational points)	<select></select>	1 Point (M)
Are 75% of Dwelling Units within 400 meters walking distance of public/private elementary, Montessori, and middle schools?	<select></select>	2 Points (A)
Are 75% of Dwelling Units within 1000 meters of public/private high schools?	<select></select>	1 Point (A)
Cultural Heritage Resources - Cultural Heritage Conservation		
Are there any potential Cultural Heritage Resources on site?	<select></select>	Qualifier
Have the following policies been adhered to? Cultural Heritage Conservation policies under provincial legislation (i.e. the Ontario Heritage Act, Planning Act and PPS, etc.), Standards and Guidelines for Have	<select></select>	Mandatory
all properties included in the Municipal Heritage Inventory and/or Register been evaluated?	<select></select>	2 Points (M)
Have all of the cultural heritage resources that qualify for designation under the Ontario Heritage Act been retained and protected?	<select></select>	
Are 100% of cultural heritage resources identified in the Municipal Heritage Register or Inventory and their associated landscapes and ancillary structures conserved in-situ in accordance with the Standards and Guidelines for the Conservation of Historic Places in Canada?	<select></select>	2 Points (A)
% of Tree Canopy Within Proximity to Building/Pedestrian Infrastructure - % Canopy Coverage		
Have street trees been provided on both sides of streets according to the Municipal Standards?	<select></select>	Mandatory
At what distance have street trees been provided on both sides of new and existing streets, within the project and on the project side of bordering streets, between the vehicle travel lane and walkway (in meters)? (9m or Less=1 Point, 6m or Less=2 Points)	0	Up to 2 Points (M and A)
What percentage of sidewalks will be shaded by trees within 10 years of development? All trees should be selected from the applicable municipal tree list. (50%=1 Point, 75%=2 Points)	0%	Up to 2 Points (M
		and A)
MOBILITY		and A)
		and A)
MOBILITY Site Permeability - Connectivity Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?	<select></select>	
Site Permeability - Connectivity  Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?	<select></select>	and A)  Mandatory
Site Permeability - Connectivity  Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?		
Site Permeability - Connectivity  Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?	<select></select>	
Site Permeability - Connectivity  Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length	<select> <select> <select></select></select></select>	Mandatory 2 Points (A)
Site Permeability - Connectivity  Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following	<select> <select> <select> <select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 25% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.	<select> <select> <select></select></select></select>	Mandatory 2 Points (A)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 25% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.	<select> <select> <select> <select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)
Site Permeability - Connectivity  Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density	<select> <select> <select> <select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans	<select> <select> <select> <select> <select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans  Is the site within 800m walking distance to an existing or planned commuter rail, light rail, bus rapid transit or subway with stops?	<select> <select> <select> <select> <select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M and A)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans  Is the site within 800m walking distance to an existing or planned commuter rail, light rail, bus rapid transit or subway with stops?  Alternatively, is the site within 400m walking distance to 1 or more bus stops with frequent service? (This Minimum Target must be met in order to earn Aspirational Points) Is	<select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans  Is the site within 800m walking distance to an existing or planned commuter rail, light rail, bus rapid transit or subway with stops?  Alternatively, is the site within 400m walking distance to 1 or more bus stops with frequent service? (This Minimum Target must be met in order to earn Aspirational Points) is the site within 400m walking distance to an existing or planned commuter rail, light rail, bus rapid transit, or subway with frequent stops?	<select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M and A)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans  Is the site within 800m walking distance to an existing or planned commuter rail, light rail, bus rapid transit or subway with stops?  Alternatively, is the site within 400m walking distance to 1 or more bus stops with frequent service? (This Minimum Target must be met in order to earn Aspirational Points) Is the site within 400m walking distance to an existing or planned commuter rail, light rail, bus rapid transit, or subway with frequent stops?  Alternatively, is the site within 200m walking distance to 1 or more bus stops with frequent service?	<select> <select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M and A)  3 Points (M)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans  Is the site within 800m walking distance to an existing or planned commuter rail, light rail, bus rapid transit or subway with stops?  Alternatively, is the site within 400m walking distance to 1 or more bus stops with frequent service? (This Minimum Target must be met in order to earn Aspirational Points) is the site within 200m walking distance to 1 or more bus stops with frequent service?  Transit Supportive - Distance to Public Transit - Block and Draft Plans	<select> <select> <select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M and A)  3 Points (M)  3 Points (A)
Have buildings on the site been connected to off-site pedestrian paths, surface transit stops, parking areas (car and bike), existing trails or pathways, or other destinations (e.g. schools)?  Are outdoor waiting areas (located on the site) providing protection from weather?  Where a transit stop is located within walking distance of the project site boundary, does the building main entrance have a direct pedestrian linkage to that transit stop? Have amenities and street furniture (benches, additional bike parking, landscaping) been provided along connections on the site and between the site and adjacent destinations?  Street Networks/Blocks - Block Perimeter/Length  Verify the following statement, 75% of block perimeters do not exceed 550m and 75% of block lengths do not exceed 250m. Verify the following statement, 100% of block perimeters do not exceed 550m and 100% of block lengths do not exceed 250m.  Street Networks/Blocks - Intersection Density  How many street intersections are there per square kilometer? (40-50=2 Points, 51-60=3 Points, >60=4 Points)  Transit Supportive - Distance to Public Transit - Site Plans  Is the site within 800m walking distance to an existing or planned commuter rail, light rail, bus rapid transit or subway with stops?  Alternatively, is the site within 400m walking distance to 1 or more bus stops with frequent service? (This Minimum Target must be met in order to earn Aspirational Points) Is the site within 400m walking distance to an existing or planned commuter rail, light rail, bus rapid transit, or subway with frequent stops?  Alternatively, is the site within 200m walking distance to 1 or more bus stops with frequent service?	<select> <select> <select> <select> <select> <select> <select> <select></select></select></select></select></select></select></select></select>	Mandatory  2 Points (A)  2 Points (M) 2 Points (A)  Up to 4 Points (M and A)  3 Points (M)

Are 75% of residents/employment within 400m walking distance to existing or planned commuter rail, light rail or subway with free stops? Alternatively, are 75% of residents/employment within 200m walking distance to 1 or more bus stops with frequent service?				<select></select>	3 Points (A)
Active Transportation - Proximity to Cycle Network					
Does the development plan include any anticipated or existing trails or cycling networks?				<select></select>	Qualifier
Are 75% of residents/jobs within 400 meters of existing or approved by council path/network? (This Minimum Target must be met i	n order to earn Aspiration	al Points) Are		<select></select>	2 Points (M)
1.00% of residents/jobs within 400 meters of existing or approved by council path/network?				<select></select>	2 Points (A)
Active Transportation - Creation of Trail and Bike Paths					
This metric will only populate if the presence of a Cycling Networks has been declared in the previous metric "Proximity to Cycle Ne	etwork")				
las the Master Plan been complied with?				<select></select>	Mandatory
lave the objectives of the applicable Pedestrian and Cycling Master Plan been advanced?				<select></select>	2 Points (A)
Walkability - Ped. Amenities					
Are all sidewalks in accordance with applicable Municipal Standards? Side walks must be at least 1.5m in width.				<select></select>	Mandatory
What percentage of streets have continuous sidewalks, or equivalent provisions, provided on both sides of streets where not requi	red by municipal			0%	Up to 4 Points (
tandards? (75%=2 points, 100%=4 Points) (Must meet this minimum target to earn aspirational points)				<b>0</b> /0	and A)
lave pedestrian amenities been provided to further encourage walkable streets?				<select></select>	
Please list pedestrian amenities provided:	<select></select>	<select></select>	<select></select>	<select></select>	2 Points (A)
NATURAL ENVIRONMENT AND OPEN SPACE					
Natural Heritage - Connection to Natural Heritage					
s a Natural Heritage System included within, or adjacent to, the development boundary?				<select></select>	Qualifier
What percentage of the total length of the natural heritage system is visually and physically connected (such as public access blocks,	, single loaded roads)?			00/	Up to 2 Points (
Block/Draft - 25%=2 Points, 50%=4 Points, Site - 25%=1 Point, 50%=2 Points)				0%	and A)
Natural Heritage System - Natural Heritage System Enhancements					,
This metric will only populate if the presence of a Natural Heritage System has been declared in the previous metric "Natural Herita	ge - Connection to Natural	Heritage"			
Does the application conform to the City's Natural Heritage System policies in the Official Plan?				<select></select>	Mandatory
las the development plan demonstrated ecological gain above and beyond the City's Natural Heritage System requirements?				<select></select>	2 Points (A)
Parks - Park Accessibility					
Does the development plan include any parks?				<select></select>	Qualifier
				dealasts.	2 Dainta (84)
lave two or more road frontages been provided for each urban square, parkette, and neighborhood parks? Additionally, have three	e road trontages been prov	vided for each commu	inity park?	<select></select>	3 Points (M)
lave three or more road frontages been provided for each park?				<select></select>	3 Points (A)
Stormwater - Stormwater Quantity					
lave quantity or flood control been provided in accordance with applicable municipal and conservation authority requirements?				<select></select>	Mandatory
					Mandatory an
What is the most intense rainwater event that the site can retain runoff from (in mm)? (5mm=Mandatory, 10mm=3 Points, 15mm=	6 Points)			0	Up to 6 Points
					and A)
Stormwater - Stormwater Quality					
Will 80% of the Total Suspended Solids be removed from all runoff leaving the site on an annual loading basis? Additionally, have all	l ponds been designed wit	h Enhance Level of Pr	otection (Level 1)?	<select></select>	Mandatory
Will 81%-90% of Total Suspended Solids from all runoff leaving site be removed during a 10mm rainfall event? (This Minimum Targe	et must be satisfied in orde	er to earn Aspirationa	l Points)	<select></select>	1 Point (M)
					45 : (4)
Will 91-100% of Total Suspended Solids from all runoff leaving site be removed during a 15mm rainfall event? Storm water - Rain Water Re-Use				<select></select>	4 Points (A)
ave residential (multi-family only), commercial, and institutional buildings been designed for rain water re-use readiness? (This Mi	inimum Target must be sa	tisfied in order to ear	n Aspirational Points)	<select></select>	1 Point (M)
s rainwater collected on site and used for low-grade functions?				<pre><select></select></pre>	3 Points (A)
Storm water - Storm water Architecture/Features					2 : 5 (7 )
toiii water - Stoiii water Arciiitecture/ reatures					

Urban Agriculture - Dedicate Land for Local Food Production - Block and Draft		
Has 7.4m <sup>2</sup> (80ft <sup>2</sup> ) of community garden space been provided per Dwelling Unit (DU)?Has the applicable community garden space per DU been satisfied? See table below.	<select></select>	2 Points (M)
DU Density Garden Space/DU		
17-35DU/ha 18.6m <sup>2</sup> (200ft <sup>2</sup> )	<select></select>	2 Points (A)
36-54DU/ha 9.3m <sup>2</sup> (100ft <sup>2</sup> )		
>54DU/ha 7.4m <sup>2</sup> (80ft <sup>2</sup> )		
Urban Agriculture - Dedicate Land for Local Food Production - Site Plan		
Has 7.4m² (80ft²) of community garden space been provided per development unit?Has 15% of roof space been dedicated to local food production?	<select></select>	2 Points (M)
	<select></select>	2 Points (A)
Soils and Topography - Restore and Enhance Soils Has a Topsoil Fertility Test been conducted according to Municipal Standards?	<colort></colort>	Mandatani
	<select></select>	Mandatory
Have recommendations from a Topsoil Fertility Test been implemented for the entire site? (Must satisfy this target to earn aspirational points) Development on highly permeable soils is avoided and follows TRCA and CVC Low Impact Development Storm water Management Planning and Design Guides A minimum topsoil depth of 200mm has	<select></select>	1 Point (M)
been provided across the entire site	<select></select>	2 Points (A)
infrastructure and buildings	<select></select>	2 Points (A)
Energy Conservation - Solar Readiness		
Have 100% of all new buildings been designed for solar readiness?	<select></select>	1 Point (M)
What percentage of the building's annual energy consumption is offset from on-site renewable energy generation? (1 Point for 1% and 1 Point for each additional 2%)	0%	Up to 7 Points (
	0,0	op to 7 romts (
Energy Conservation - Passive Solar Alignment		Ho to C Doints /
What percentage of blocks have one axis within 15 degrees of East/West? East/West lengths of those blocks must be at least as long as the North/South lengths. (50% =3 Points, 75%=6 points)	0%	Up to 6 Points (  and A)
ergy Conservation - Building Energy Efficiency - Single Family		allu A)
	de la cha	Mandatan
Have all building been designed in accordance with the Ontario Building Code?	<select></select>	Mandatory
What EnerGuide, or equivalent, rating have single family homes and multi-unit residential buildings (<3 storeys) been built to? (EnerGuide 83=2 Points, EnerGuide 85=4	<select></select>	Up to 4 Points (and A)
Points)Energy Conservation - Building Energy Efficiency - Multi Family, Commercial, Residential, Institutional		unu y
Have all building been designed in accordance with the Ontario Building Code?	<select></select>	Mandatory
Deletive to an Madel National France Code of Canada for Duildings (MANICON) 1007 compliant reference building substitute to a greated an army sovings of the proposed building design 2 (25%-2 Dainte Foeb		Un to 44 Daint
Relative to an Model National Energy Code of Canada for Buildings (MNECB) 1997 compliant reference building, what is the expected energy savings of the proposed building design? (35%=3 Points, Each	0%	Up to 11 Point
additional 5% up to total 75%=1 Point) (This Minimum Target must be satisfied in order to earn Aspirational Points)		(M and A)
Will all commercial, institutional and multi residential buildings over three storeys be commissioned?Will	<select></select>	3 Points (A)
building electricity sub-meters be required for all office tenants and residential suites?	<select></select>	3 Points (A)
Energy Conservation - Building Energy Efficiency - Draft Plan		
Have all single family homes buildings been designed in accordance with the Ontario Building Code?	<select></select>	Mandatory
What EnerGuide rating have 75% of single family homes and multi-unit residential buildings (<3 storeys) been built to? (Energuide 83 or Energuide 85=2 Points) (This Minimum Target must be	0	2 Points (M)
satisfied in order to earn Aspirational Points)		2 Folits (W)
What EnerGuide rating have 90% of single family homes and multi-unit residential buildings (<3 storeys) been built to? (Energuide 85=2 Points)	0	2 Points (A)
Energy Conservation - Energy Management		0.0.1(0.0)
Has an energy management strategy been created for the development?	<select></select>	2 Points (M)
In an Intensification Area, where district energy is deemed viable by the municipality, has a district energy feasibility study been conducted?	<select></select>	3 Points (A)
Potable Water - Reduce Potable Water Used for Irrigation		
What percentage has potable water for irrigation been reduced as compared to a mid-summer baseline? (50% to 89%=2 Point, 90% to 100%=6 Points)	0%	Up to 6 Points (
	0/0	and A)
Potable Water - Water Conserving Fixtures		Mandatory
Have the applicable municipal standards been satisfied?	<select></select>	

	Current Percentage	Toilets: (6LPF Baseline)	6	LPF	
Input applicable flow rates for water consuming fixtures	Reduction	Private Faucets: (8.3LPM Baseline) Showerhead:	8.3	LPM	
NOTE: "Current Percentage Reduction" box will automatically tabulate based on input in right-hand columns.  NOTE: If certain fixture type is not applicable, leave baseline measurement in cell.	0%	(9.5LPM Baseline) Public Faucets: (1.9LPM	9.5	LPM	Up to 6 Points (M and A)
(10-20% Reduction=3 Points, Over 20% Reduction=6 points)		Baseline) Urinals:	1.9	LPM	·
(10-20% Reduction=3 Folints, Over 20% Reduction=0 points)		(3.8LPF Baseline)	3.8	LPF	
Lighting - Parking Garage Lighting					
Has a minimum illumination of 50 lux been implemented in all parking areas?			<sel< td=""><td>ect&gt;</td><td>Mandatory</td></sel<>	ect>	Mandatory
Have occupancy sensors been installed on two-thirds of lighting fixtures, while always maintaining a minimum level of illuminat	tion of 10 lux?		<sel< td=""><td>ect&gt;</td><td>1 Point (M)</td></sel<>	ect>	1 Point (M)
Lighting - Reduce Light Pollution - Site Plan					
Have all applicable Municipal Standards been satisfied?			<sel< td=""><td>ect&gt;</td><td>Mandatory</td></sel<>	ect>	Mandatory
Confirm that up lighting isn't included in the design and all exterior lighting fixtures >1,000 lumens are shielded to prevent night	t sky lighting.		<sel< td=""><td>ect&gt;</td><td>1 Point (M)</td></sel<>	ect>	1 Point (M)
Have lighting controls been implemented to reduce light spillage from buildings by 50% from 11:00pm to 5:00am?			<sel< td=""><td>ect&gt;</td><td>1 Doint (A)</td></sel<>	ect>	1 Doint (A)
Will all architectural lighting be shut off between 11:00pm and 5:00am?			<sel< td=""><td>ect&gt;</td><td>1 Point (A)</td></sel<>	ect>	1 Point (A)
Lighting - Reduce Light Pollution - Draft Plan		,			
Have all applicable Municipal Standards been satisfied?			<sele< td=""><td>ect&gt;</td><td>Mandatory</td></sele<>	ect>	Mandatory
Confirm that no "up lighting" isn't included in the design and that all exterior lighting fixtures >1,000 lumens are shielded to pre	event night sky lighting.		<sele< td=""><td>ect&gt;</td><td>1 Point (M)</td></sele<>	ect>	1 Point (M)
Lighting - Energy Conserving Lighting					
Have all applicable Municipal Standards been satisfied?			<sel< td=""><td>ect&gt;</td><td>Mandatory</td></sel<>	ect>	Mandatory
Have LEDs and/or photocells been used on all lighting fixtures exposed to the exterior? (Includes street lights, park lights, and po	edestrian ways)		<sel< td=""><td>ect&gt;</td><td>2 Points (M)</td></sel<>	ect>	2 Points (M)
Bird Safe Design	• •				, , ,
Have Bird Safe Design strategies been applied on 85% of the exterior glazing located within the first 16m of the building above-g	grade? (Includes interior courtyards)		<sel< td=""><td>ect&gt;</td><td></td></sel<>	ect>	
Do visual markers on the glass have spacings equal to or less than 5cm (vertically) x 10cm (horizontally)?			<sel< td=""><td>ect&gt;</td><td>2 Points (M)</td></sel<>	ect>	2 Points (M)
For green roofs with adjacent glass surfaces, has the glass been treated with Bird Safe Design strategies on the 16m above the gr	reen roof surface?		<sel< td=""><td>ect&gt;</td><td></td></sel<>	ect>	
Materials and Solid Waste Management - Solid Waste					
Have the applicable Municipal Standards been satisfied?			<sel< td=""><td>ect&gt;</td><td>Mandatory</td></sel<>	ect>	Mandatory
For Multi-Family, Commercial, Retail and Institutional buildings, are storage and collection areas for recycling and organic waste	e within or attached to the building? Alt	ternatively, deep collection recycling			
and organic waste storage facilities are provided.			<sel< td=""><td>ect&gt;</td><td>1 Point (M)</td></sel<>	ect>	1 Point (M)
Is a three-chute system provided on each floor for all multi-family developments?			<sel< td=""><td>oct&gt;</td><td>1 Point (M)</td></sel<>	oct>	1 Point (M)
Materials and Solid Waste Management - Material Re-used and Recycled Content			<b>-361</b>		I Pollit (IVI)
Waterials and Solid Waste Wallagement - Material Re-used and Recycled Content					Up to 2 Points (M
What percentage of reused content in building materials and/or landscaping materials (hardscaping such as paving or walkways	s) has been used? (5%=1 Point, 10%=2 F	Points)	0	%	and A)
What percentage of recycled content in building materials and/or landscaping materials (hardscaping such as paving or walkway	vs) has been used?				Up to 2 Points (M
(10%=1 Point, 15%=2 Points)	•		0	%	and A)
Materials and Solid Waste Management - Recycled/Reclaimed Materials					allu A)
Have all applicable Municipal Standards been satisfied?			<sel< td=""><td>oct&gt;</td><td>Mandatory</td></sel<>	oct>	Mandatory
וומיב מוו מףףווכמטוב ויועוווכוףמו בנמוועמועב טבבוו במנובוובע:			<b>/</b> 3610		Up to 2 Points
What percentage of recycled/reclaimed materials will be used for new infrastructure including roadways, parking lots, sidewalk	s, unit paving, etc.? (25%=1 Point, 30%	=2 Points)	09	%	-
Heat Island - Reduce Heat Island Effect From the Built Form - Non Roof					(M and A)
					Up to 3 Points (M
What percentage of the site's hardscape uses municipally approved heat island reduction techniques? (50%=2 Points, 75%=3 Points)	ints)		0	%	and A)
Heat Island - Reduce Heat Island Effect From the Built Form - Roof					allu A)
What percentage of the roof has been designed with a "cool" roof surface?			0	%	
what beidentage of the root has been designed with a cool root surface:			U:	/0	

What percentage of the roof is vegetated with a green roof?		
Point Allocation		
75% Cool Roof = 2 Points	201	Up to 8 Points (M
90% Cool Roof = 3 Points	0%	and A)
50% Green Roof = 4 Points		
75% Green Roof = 6 Points		
50% Green Roof + 50% Cool Roof = 6 Points		
75% Green Roof + 25% Cool Roof = 8 Points		

#### **ATTACHMENT 2**

## Sustainability Performance Metrics Program Summary Letter Terms of Reference

The Sustainability Performance Metrics (SPM) Program requires the submission of a completed SPM Program Scoring Tool and SPM Program Summary Letter (Summary Letter) as part of a complete application for Site Plan, Draft Plan of Subdivision and Block Plan development approval, in addition to the relevant drawings and/or technical studies required by the Pre-Application Consultation Understanding – Submission Requirements Matrix.

#### **Submission Purpose**

The purpose of the Summary Letter is to provide City of Vaughan staff with a brief overview of the sustainability performance of Site Plan, Draft Plan of Subdivision, and Block Plan development applications by indicating the SPM Program Application Score and SPM Program Community Score and identifying which specific Targets will be achieved. The Summary Letter also assists City Staff with the verification process by indicating where, in relevant drawings and/or technical studies, Targets can be verified (i.e. Urban Design and Sustainability Brief, Landscape Plans, Functional Servicing and Stormwater Management Report, Transportation Impact Study, etc.).

# **Submission Process**

- **During Pre-Application Consultation (PAC) Meeting**: Planner informs applicant of SPM Program requirements and applicable metrics.
- Formal Submission: The applicant submits: 1 PDF file and 10 hardcopies of the Summary Letter; 1 Excel file, 1 PDF file; and 10 hardcopies of the completed SPM Program Scoring Tool.
- Verification and Revisions: The Planner managing the development application and the
  technical team will verify the SPM Program Scores using the Summary Letter, SPM
  Program Scoring Tool, and relevant drawings and/or technical studies submitted by the
  applicant. The applicant will inform the Planner of any changes to the SPM Program Scores
  during the development approval review process.

#### **Table of Contents**

- Introduction and Declaration of Sustainability Scores: Include a brief description of the proposed development, and a statement of the SPM Program Application Score and SPM Program Community Score achieved.
- **2. Built Environment**: Provide a brief description of how the proposed development addresses the Mandatory, Minimum and Aspirational Built Environment Targets.

## Mandatory Targets

Mandatory Targets are <u>required</u> by City of Vaughan policies and standards. These items are required to be delivered as part of all development applications. Therefore, applicants are required to meet <u>all</u> Mandatory Targets. Under exceptional circumstances, where a Mandatory Target cannot be achieved, applicants are required to provide an explanation/justification in the Summary Letter explaining why the Mandatory Target could not be achieved, and reference where further explanation is provided (i.e. technical studies).

Example: The application did not commit to satisfy the Target "Are outdoor waiting areas (located on the site) providing protection from weather?" because the Target was satisfied by a previous site plan submission as shown on the associated site plan drawing, dated July 26, 2014.

The applicant is also required to explain within the Summary Letter why they have identified a Mandatory Target as "NA" (not applicable).

Example: The application was unable to satisfy the mandatory metric "Have the following policies been adhered to? Cultural Heritage Conservation policies under provincial legislation (i.e. the Ontario Heritage Act, Planning Act and PPS, etc.), Standards and Guidelines for Historic Places, Municipal Official Plan, Municipal Heritage Inventory" as there are no heritage buildings, structures or landforms on the subject site, therefore this metric is not applicable.

#### Minimum Targets

Minimum Targets represent a moderate sustainability performance increase above the City's mandatory requirements. Within this section the applicant is expected to identify all Minimum Targets achieved by the development proposal. For each Minimum Target achieved, it must be verified by identifying the drawing and/or technical study and the relevant section of the technical study.

Example: The Minimum Target for the metric "At what distance have street trees been provided on both sides of the new and existing streets, within the project and on the project side of the bordering streets, between the vehicle travel lane and walkway (in metres) (9m or less=1 Point...?" has been satisfied as street trees will be spaced 8m apart, as shown on the associated Landscape Plan drawing dated June 4, 2017 and the Urban Design and Sustainability Brief, page 10, Section 4.1 - Streetscape.

#### Aspirational Targets

Aspirational Targets represent best practice standards. Within this section the applicant is expected to identify all Aspirational Targets achieved by the development proposal. For each Aspirational Target achieved, identify where the Target can be verified by identifying the drawing and/or technical study and relevant section.

Example: The metric "Have a minimum of 0.6 biking stalls per unit been provided? Additionally, has a minimum of 5% of the bike parking been provided at grade?" has been satisfied as shown on the Site Plan drawing dated July 28, 2017.

- **3. Mobility**: Provide a brief description on how the application addresses Mandatory, Minimum and Aspirational Mobility Targets. Complete this section using the same format as <u>2. Built Environment</u>.
- **4. Natural Environment and Open Space**: Provide a brief description on how the application addresses Mandatory, Minimum and Aspirational Natural Environment and Open Space Targets. Complete this section using the same format as <u>2. Built Environment</u>.
- **5. Infrastructure and Buildings**: Provide a brief description on how the application addresses Mandatory, Minimum and Aspirational Infrastructure and Buildings Targets. Complete this section using the same format as <u>2</u>. <u>Built Environment</u>.
- **6. Conclusion**: Reiterate the SPM Program Application Score and SPM Program Community Score, and summarize the general sustainability performance of the development application.

#### ATTACHMENT 3

# **Sustainability Performance Metrics Program Threshold Score Evaluation**

#### 1. Introduction

Each relevant development application will be expected to meet or exceed the minimum Sustainability Performance Metrics (SPM) Program Threshold Score to implement the SPM Program. The proposed SPM Program Threshold Scores are comprised of "Bronze", "Silver" and "Gold" categories, where "Bronze" reflects very attainable minimum SPM Program Threshold Scores, and "Silver" and "Gold" will recognize higher performance applications. The SPM Program Thresholds are applicable to Application Scores as determined by the SPM Program Scoring Tool. The SPM Program Threshold Scores were developed based on quantitative analyses of real-world applications, internal consultation, and consideration of Threshold Scores approved by the City of Vaughan's partner municipalities: The City of Brampton and the Town of Richmond Hill.

# 2. Sustainability Performance Metrics Threshold Scores

The SPM Program Threshold Scores, shown in the table below (Table 1), are applicable to Site Plan, Draft Plan of Subdivision, and Block Plan development applications. Section 3 describes the analysis undertaken to arrive at the SPM Program Threshold Scores.

Performance Level	Block Plan	Draft Plan of Subdivision	Site Plan
Baseline	20 to 30 points	14 to 20 points	24 to 30 points
Bronze	31 to 40 points	21 to 30 points	31 to 45 points
Silver	41 to 50 points	31 to 40 points	46 to 60 points
Gold	51 or more points	41 or more points	61 or more points

The categories of SPM Program Threshold Scores in Table 1 can be interpreted in the following manner:

- Baseline represents the average sustainability performance of recent (2011 to 2017) development proposals or the "status quo";
- Bronze represents very attainable improvements to the Baseline SPM Program Threshold Scores, and is the minimum performance level that all applications located outside of the Vaughan Metropolitan Centre will be expected to meet or exceed;
- Silver represents considerable improvements to the Baseline SPM Program Threshold Scores, and is the minimum performance level that all applications located within the Vaughan Metropolitan Area will be expected to meet or exceed. The City's analysis has demonstrated that applications certified to the Leadership in Energy and Environmental Design standards often scored in this category; and
- **Gold** represents significant improvements to the Baseline SPM Program Threshold Scores and the most sustainable developments within the City assessed at this time.

# 3. Quantitative Analyses

The quantitative analyses considered 3 aspects of the data related to Application Scores derived from the Excel-based Scoring Tool:

- 1. Application Scores for 81 Site Plan applications and 15 Draft Plan of Subdivision applications submitted to the City;
- 2. Application Scores for 14 Site Plan, 5 Draft Plan of Subdivision and 2 Block Plan development applications that were confirmed by staff; and
- 3. Application Scores for reasonably attainable Targets related to exterior design.

For the purpose of developing the SPM Program Threshold Scores, only the Application Score data was utilized. The Community Score data was omitted because the Community Score includes Metrics that measure aspects of the development the applicant does not have control over, such as proximity to schools and public transportation.

#### 3.1 Submitted Sustainability Performance Metrics Score Data

Sustainability Performance Metrics data was tracked for Site Plan and Draft Plan of Subdivision applications submitted by applicants during the testing stage (2015 to 2017 inclusive). This data provides insight into the sustainability performance of recent development and informs the SPM Program Threshold Scores.

In the data tables below, the percent score is the calculation of the Application Score for the application as a proportion of the Available Score for the application. The Available Scores differ between applications as certain Metrics may not be pertinent for certain applications and are removed from the Available Score using qualifier statements in the Excel-based SPM Program Scoring Tool. For example, the Metric for preserving existing trees on site is not applicable for an application for which no trees currently exist. Hence, the Available Score is reduced to reflect the condition of no existing trees on site.

### 3.1.1 Submitted Site Plan Application Data

Table 2 below identifies the sample count and average Application Scores for 81 Site Plan applications. Table 2 also shows the values for the first and third quartiles of the data set, which are used to inform the ranges for the SPM Program Threshold Scores.

Table 2: Summary Statistics, Site Plan Applications

		Application Score (Averages)		
		Achieved	Available	Percent
Number of samples	Count	81		
Average Application Score of Samples	Average	32	126	25%
The <b>first quartile,</b> denoted by <b>Q</b> <sub>1</sub> , is the median of the lower half of the data set. This means that about 25% of the numbers in the data set lie below Q <sub>1</sub> and about 75% lie above Q <sub>1</sub> .	First Quartile (Q <sub>1</sub> )	21	116	17%
The <b>third quartile</b> , denoted by $\mathbf{Q}_3$ , is the median of the upper half of the data set. This means that about 75% of the numbers in the data set lie below $\mathbf{Q}_3$ and about 25% lie above $\mathbf{Q}_3$	Third Quartile (Q₃)	40	141	32%

NOTE: No SPM Program submissions were received for Block Plans during the testing stage.

Table 3 shows the proportion of each type of development within the dataset, and the corresponding average Scores for each development type. This data provides the information necessary to ensure that the SPM Program Threshold Scores are applicable to all types of Site Plan development.

Table 3: Type of Development, Site Plan Applications

			Application	on Score (Av	erages*)
Type of Development	Count	Proportion of Sample	Achieved	Available	Percent
Low-Rise Residential (< 3 Floors) Only	16	20%	30	125	25%
Multi-Unit Residential (> 3 Floors) Only	4	5%	44	146	30%
Mixed Types: Low-Rise Residential (< 3 Floors) and Multi-Unit Residential (> 3 Floors)	2	2%	24	137	18%
Commercial Only	20	25%	30	121	25%
Industrial Only	16	20%	30	125	24%
Office Only	3	4%	38	117	31%
Institutional Only	5	6%	25	133	18%
Mixed Use: Low-Rise Residential (< 3 Floors) and Commercial	3	4%	36	129	28%
Mixed Use: Multi-Unit Residential (> 3 Floors) and Commercial	6	7%	47	134	35%
Mixed Use: Industrial and Commercial	2	2%	30	127	23%
Mixed Use: Industrial and Office	3	4%	15	117	13%
Mixed Use: Institutional and Commercial	1	1%	41	136	30%
Mixed Use: Office and Commercial	0	0%	0	0	0%
Total	81	100%		•	•

<sup>\*</sup> Averages where there is more than one sample

### 3.1.2 Submitted Draft Plan of Subdivision Application Data

Table 4 shows the sample count and average Application Scores for 15 Draft Plan of Subdivision applications. The table also depicts the values for the first and third quartiles of the data set, which are used to inform the ranges for the SPM Program Threshold Scores.

Table 4: Overall Application Score Statistics, Draft Plan of Subdivision Applications

		Application Score (Averages)		
		Achieved	Available	Percent
Number of samples	Count	15		
Average Application Score of Samples	Average	26	95	27%
The <b>first quartile</b> , denoted by <b>Q</b> <sub>1</sub> , is the median of the lower half of the data set. This means that about 25% of the numbers in the data set lie below Q <sub>1</sub> and about 75% lie above Q <sub>1</sub> .	First Quartile (Q <sub>1</sub> )	20	91	21%
The <b>third quartile,</b> denoted by <b>Q</b> <sub>3</sub> , is the median of the upper half of the data set. This means that about 75% of the numbers in the data set lie below Q <sub>3</sub> and about 25% lie above Q <sub>3</sub> .	Third Quartile (Q <sub>3</sub> )	34	98	34%

Table 5 identifies the proportion of each type of development within the dataset, that mainly consist of low-rise residential development (87%) and a small portion of mixed development types and mixed uses (combined 14%).

Table 5: Type of Development, Draft Plan of Subdivision Applications

Type of Development	Count	Proportion of Sample
Low-Rise Residential (< 3 Floors) Only	13	87%
Multi-Unit Residential (> 3 Floors) Only	0	0%
Mixed Types: Low-Rise Residential (< 3 Floors) and Multi-Unit Residential (> 3 Floors)	0	0%
Mixed Types and Use: Low-Rise Residential (< 3 Floors), Multi-Unit Residential (> 3 Floors) and Commercial	1	7%
Mixed Use: Low-Rise Residential (< 3 Floors) and Commercial	1	7%
Mixed Use: Multi-Unit Residential (> 3 Floors) and Commercial	0	0%
Totals	15	100%*

<sup>\*</sup>The total percentage exceeds 100% due to rounding.

### 3.2 Confirmed Sustainability Performance Metrics Score Sample Data

To provide verified data to use in the development of the SPM Program Threshold Scores, City staff confirmed the Application Scores for representative samples of the relevant application types from 2011 to 2017 that are approved or nearing approval. These applications were confirmed in group settings including Policy Planning and Environmental Sustainability, Development Planning, and Urban Design and Cultural Heritage staff, and included other technical City staff as necessary.

# 3.2.1 Confirmed Site Plan Application Sample Data

Table 6 identifies the Application Score data for the confirmed sample of Site Plan applications. Applications with a variety of development types were selected to create a representative sample of Site Plan applications and ensure the average Scores incorporate a range of development property types. The table also depicts the values for the first and third quartiles of the data set, which are used to inform the ranges for the SPM Program Threshold Scores.

Table 6: Confirmed Application Scores, Site Plan Applications

		App	Application Score			
Count	Types of Development	Achieved	Available	% Score		
1	Low-Rise Residential (< 3 Floors) Only	32	105	30%		
2	Commercial Only	22	114	19%		
3	Industrial Only	30	118	25%		
4	Multi-Unit Residential (>3 Floors)	44	155	28%		
5	Commercial Only	30	134	22%		
6	Multi-Unit Residential (>3 Floors)		157	38%		
7	Low-Rise Residential (< 3 Floors) Only	25	109	23%		
8	Commercial Only	31	141	22%		
9	Mixed Use: Industrial and Office	14	120	12%		
10	Institutional Only	22	136	16%		
11	Institutional Only	21	142	15%		
12	Mixed Use: Office and Commercial	45	140	32%		
13	Multi-Unit Residential (>3 Floors)	64	157	41%		
14	Multi-Unit Residential (>3 Floors) and Commercial	41	152	27%		
	Average	34	134	25%		
	Count	14				
	First Quartile (Q <sub>1</sub> )	23	119	20%		
	Third Quartile (Q <sub>3</sub> )	43	150	30%		

### 3.2.2 Confirmed Draft Plan of Subdivision Application Sample Data

Table 7 below shows the Application Score data for the confirmed sample of Draft Plan of Subdivision applications. The main form of development for draft plans consist of low-rise residential development.

Table 7: Confirmed Application Scores, Draft Plan of Subdivision Applications

		Application Score				
Count	Types of Development	Achieved	Available	% Score		
1	Low-Rise Residential (< 3 Floors)	20	94	21%		
2	Low-Rise Residential (< 3 Floors)	8	91	9%		
3	Low-Rise Residential (< 3 Floors)	20	105	19%		
4	Low-Rise Residential (< 3 Floors)	16	97	16%		
5	Low-Rise Residential (< 3 Floors)	9	83	11%		
	Average	15	94	15%		

Note: Quartiles are not calculated due to the small sample set.

#### 3.2.3 Confirmed Block Plan Application Data

Table 8 shows the Application Score data for the confirmed sample of Block Plan applications. The Block Plan application sample size (2) is lower than the sample size for Draft Plan of Subdivision (15) and Site Plan (81). This is because there is a much smaller number of Block Plan Applications submitted as compared to Site Plan and Draft Plan of Subdivision applications.

Table 8: Application Scores, Block Plan Applications

		Application Score		
Count	Types of Development	Achieved	Available	% Score
1	Mixed Use: Low-Rise Residential (< 3 Floors) and Commercial	21	98	21%
2	Mixed Types and Use: Low-Rise Residential (< 3 Floors), Multi-Unit Residential (> 3 Floors) and Commercial	41	98	42%
	Average	31	98	32%

# 3.3 Metrics Related to Exterior Design

The *Planning and Conservation Land Statute Law Amendment Act* 2006 (Bill 51) provides municipalities with the authority to consider matters relating to exterior design, including without limitation the character, scale, appearance and design features of buildings, and their sustainable design, but only to the extent that it is a matter of exterior design.

Table 9 shows an analysis undertaken to determine SPM Program Scores derived from Metrics related to exterior design elements. Metrics used to determine these Scores directly relate to common urban design items routinely incorporated into development projects. For this reason, the total Scores represent attainable Application Scores that act as a reasonable starting point for Threshold Score development. In addition, the totals for Minimum (Min.) Targets and Aspirational (Asp.) Targets are included to inform ranges of the SPM Program Threshold Scores.

Table 9: Metrics Related to Exterior Design

				Site P	lan (S)	Subd	Plan of ivision D)		k Plan B)
Category	Theme	Metric	Applies to:	Min.	Asp.	Min.	Asp.	Min.	Asp.
	D	Maintain Existing Healthy Trees	S & D	2	3	2	6	N/A	N/A
	pinę	Soil Quantity and Quality	S & D	N/A	2	N/A	2	N/A	N/A
Built Environment	Landscaping	% Tree canopy within proximity to building/pedestrian infrastructure	S & D	2	4	2	4	N/A	N/A
viro	1	% Canopy Coverage	D&B	N/A	N/A	2	6	2	6
En		Bicycle Parking (N/A SFD)	S	1	2	N/A	N/A	N/A	N/A
uilt	ng	Off-Street Parking (N/A SFD)	S	1	6	N/A	N/A	N/A	N/A
В	Parking	Surface Parking (N/A SFD)	S	1	N/A	N/A	N/A	N/A	N/A
	, P	Car Pooling and Efficient Vehicle Parking (Comm., Res. & Ind. Only)	S	1	2	N/A	N/A	N/A	N/A
		Connectivity	S	N/A	2	N/A	N/A	N/A	N/A
ility	Street/Trail Amenities	Creation of Trails and Bike Paths	D & B	N/A	N/A	N/A	2	N/A	2
Mobility	Street/Trail Amenities	Block Perimeter/Length	D&B	N/A	N/A	2	4	2	4
	3	Promote Walkable Streets	S & D & B	2	8	2	8	2	8
nt &	92	Dedicate Land for Food Production (N/A Emp.)	S & D & B	2	2	2	2	2	2
Natural Environment	Open Space	Stormwater Architecture/Features (N/A SFD)	s	2	N/A	N/A	N/A	N/A	N/A
N. Envir	Ope	Reduce Potable Water Use for Irrigation	s	2	6	N/A	N/A	N/A	N/A
		Reduce Light Pollution	S & D	1	1	1	N/A	N/A	N/A
Jings	1	Energy Conserving Lighting (N/A SFD)	S & D	2	N/A	2	N/A	N/A	N/A
Builc		Bird Friendly Design (N/A SFD)	S	2	N/A	N/A	N/A	N/A	N/A
cture &		Reduce Heat Island from Built Environment – Non Roof (N/A SFD)	s	2	3	N/A	N/A	N/A	N/A
Infrastructure & Buildings		Reduce Heat Island from Built Environment – Roof (N/A SFD)	s	6	8	N/A	N/A	N/A	N/A
		Passive Solar Alignment	D&B	N/A	N/A	3	6	3	6
			Total	29	49	18	37	11	28

SFD = Single Family Dwellings Comm. = Commercial Emp. = Employment Res. = Residential Ind. = Industrial

# 3.4 Comparison of Quantitative Data and Analyses

The results of the quantitative analyses based on submitted and confirmed Application Score data, and the analysis on Metrics related to exterior design, were compared to inform the development of the SPM Program Threshold Scores.

Table 10 compares the Application Score averages for the Site Plan and Draft Plan of Subdivision applications submitted by applicants during the testing stage, and the Application Score Averages for the Site Plan, Draft Plan of Subdivision, and Block Plan applications confirmed by City staff. The two Site Plan averages are very close, and the two Draft Plan of Subdivision averages are reasonably close. No Application Scores for Block Plans were submitted during the testing stage.

Table 10: Application Score Averages, Submitted and Confirmed Applications

	Site Plan		Draft Plan of Subdivision		Block Plan	
	Count	Achieved	Count	Achieved	Count	Achieved
Submitted	81	32	15	26	N/A	
Confirmed	14	34	5	15	2	31

Table 11 illustrates the comparison between the first and third quartiles for the submitted and confirmed data sets for Site Plan and Draft Plan of Subdivision applications, and the Minimum (Min.) Target totals and the Aspirational (Asp.) Target totals for each development type. As depicted in the table, the first and third quartile values for submitted and confirmed Site Plan applications are very close, and these values are also close to the Minimum Target and Aspirational Target totals respectively. Further, the first and third quartile values for the submitted Draft Plan of Subdivision applications are very close to the Minimum Target and Aspirational Target totals respectively.

Table 11: First Quartile and Third Quartile Comparisons for Submitted and Confirmed Applications Compared with Exterior Design Minimum (Min.) and Aspirational (Asp.) Application Scores

	Site Plan		Draft Plan of Subdivision		Block Plan	
	First Quartile	Third Quartile	First Quartile	Third Quartile	First Quartile	Third Quartile
Submitted	21	40	20	34	N/A	N/A
Confirmed	23	43	N/A	N/A	N/A	N/A
Exterior	Min.	Asp.	Min.	Asp.	Min.	Asp.
Design	29	49	18	37	11	34

# 4. Threshold Score Comparison with Partner Municipalities

Staff examined the SPM Program Threshold Scores approved by the City of Brampton and the Town of Richmond Hill on March 30, 2015 and February 24, 2014, respectively. One of the main objectives of the SPM Program is to have consistent guidelines for the development industry

regarding sustainable development standards across the three municipalities. Accordingly, the City of Vaughan's SPM Program Threshold Scores were designed to follow the same structure, and have comparable values.

The City of Vaughan's SPM Program Threshold Scores (Table 12), although still comparable, are generally lower than those of our partner municipalities for all development application types. Threshold Scores will likely be increased at a future date in coordination with the Partner Municipalities to achieve higher standards for sustainable development.

Table 12: City of Vaughan SPM Program Threshold Scores

Performance Level	Block Plan	Draft Plan of Subdivision	Site Plan
Baseline	20 to 30 points	14 to 20 points	24 to 30 points
Bronze	31 to 40 points	21 to 30 points	31 to 45 points
Silver	41 to 50 points	31 to 40 points	46 to 60 points
Gold	51 or more points	41 or more points	61 or more points

Table 13: City of Brampton SPM Program Threshold Scores

Performance Level	Block Plan	Draft Plan of Subdivision	Site Plan
Baseline	23 to 29 points	21 to 28 points	21 to 34 points
Bronze	30 to 38 points	29 to 39 points	35 to 52 points
Silver	39 to 48 points	40 to 50 points	53 to 69 points
Gold	49 or more points	51 or more points	70 or more points

The City of Brampton used the following methodology to determine their Threshold Scores:

- 1. Tested 7 to 10 samples for each application type;
- 2. Determined baseline Threshold Scores using Minimum and Maximum Point Analysis; and
- 3. Applied 10%, 20%, and 30% increases to baseline weighted average score to achieve Bronze, Silver and Gold Threshold Scores respectively.

Table 14: Town of Richmond Hill Threshold Scores

Performance Level	Draft Plan of Subdivision	Site Plan
Richmond Hill Minimum (OP/By-Law Requirements)	12 to 20 points	16-31 points
Good	21 to 35 points	32 to 45 points
Very Good	36 to 55 points	46 to 65 points
Excellent	56 or more points	66 or more points

Note: The Town of Richmond Hill does not have a Block Plan process.

The Town of Richmond Hill examined the following components to determine their Threshold Scores:

- 1. Determined points required by the Richmond Hill Official Plan or Light Pollution By-law (Richmond Hill Minimum in Table 14 above);
- 2. Examined what is already being delivered in the Town through existing green development standards (IGMS Criteria #5) since 2008; and

3. Examined is considered "Good"/ market accepted design.

#### 5. Consultation

Throughout the testing stage, Policy Planning and Environmental Sustainability staff met with Development Planning staff and Urban Designers to discuss sample Scores, determine the methodology for Threshold development, and ultimately develop the City of Vaughan's Threshold Scores for all relevant types of development proposals.

In addition, City of Vaughan staff consulted with Project leads from the City of Brampton and the Town of Richmond Hill (via webinars, email and telephone) to gain insight into their methodology for sample scoring, data collection and analyses, and approved Threshold Scores.

#### 6. Conclusion

The SPM Program Threshold Scores for the City of Vaughan were developed through quantitative analyses, internal consultation and comparison with the SPM Program Threshold Scores approved by the City of Brampton and the Town of Richmond Hill. The SPM Program Threshold Scores will establish attainable goals for the development community to increase the sustainability performance of new development City-wide.