For New Low-Rise Non-Residential Buildings (3 storeys and under). Complete in conjunction with the <u>full</u> Toronto Green Standard and Specifications.

The Toronto Green Standard (TGS) is a two-tier set of performance measures, with supporting guidelines, for sustainable site and building design for new development. Its purpose is to promote site and building designs that address air quality, greenhouse gas emissions, energy efficiency, water quality and efficiency, solid waste and ecology.

This Checklist is part of a Complete Application. It must contain adequate detail on how the design meets the Toronto Green Standard. The Checklist must also reference the appropriate plans, drawings and reports that demonstrate compliance with the performance measures. Complete the Checklist in conjunction with the appropriate Standard that applies to the development type, including the Specifications, Definitions and Resources column that provides more information on how to comply. The Checklist is completed by the project architect or planning consultant and is submitted to City Planning staff as part of your development application.

Application Submitted

Site Plan Control	🔲 Zoning Bylaw Amendment	Draft Plan of Subdivisior	1
Office Use Only			
District Offices: 🗌 North York	District 🗌 Toronto East York Di	istrict 🗌 Scarborough D	District Etobicoke York District
Date Received:	Planner:		Application No.:
Is this checklist revised from an	earlier submission? 🗌 Yes 🗌	No	
Property and Applicant			
Address of Subject Land (Street	t Number/Name):		
Applicant/Agent			
Name:	Telephone:	E-mail:	Registered Owner:
Proposal Description			
Gross Floor Area:	Number of Storeys:		
Project Information (include a n	arrative of your project highlighting green	attributes or performance meas	ures)

• Tier 1 performance measures are required by the City and must be addressed as part of your approved development application.

• Tier 2 performance measures are voluntary with higher performance levels. Achieving Tier 2 means that you are eligible to apply for a 20% refund of the development charges paid to the City.

Check here if you intend to achieve Tier 2 of the Toronto Green Standard (complete pages 10-12).









For New Low-Rise Non-Residential Buildings (3 storeys and under). Complete in conjunction with the <u>full</u> Toronto Green Standard and Specifications.



TIER 1: AIR QUALITY

Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
AQ 1.1	Automobile Infrastructure	Parking above minimum requirements is provided with dedicated priority parking spaces	A minimum of 100 automobile parking spaces are required under the ZBL. 115 automobile parking spaces are provided for this development. Dedicated carpool parking is provided for 15 spaces.	Site Plan # A1-01 Underground Garage Plan # Other #
AQ 1.1	Automobile Infrastructure	Parking above minimum requirements is provided with dedicated priority parking spaces		Site Plan # Underground Garage Plan # Other #
AQ 2.1	Cycling Infrastructure	Minimum bicycle parking rates		Site Plan # Underground Garage Plan # Other #
AQ 2.2	Cycling Infrastructure	Secure, weather protected occupant bicycle parking		Site Plan # Underground Garage Plan # Other #
AQ 2.3	Cycling Infrastructure	Visible, accessible at-grade visitor bicycle parking		Site Plan # Other #
AQ 2.4	Cycling Infrastructure	Shower and change facilities (commercial/institutional only)		Floor Plan # Other #



Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
AQ 3.1	Pedestrian Infrastructure	Buildings on the site connected to off- site pedestrian paths, transit stops and parking areas		Site Plan # Landscape Plan # Other #
AQ 3.2	Pedestrian Infrastructure	Continuous, universally accessible, barrier free and clearly designated sidewalks, crosswalks and walkways		Site Plan # Other #
AQ 3.3	Pedestrian Infrastructure	Covered outdoor waiting areas		Site Plan # Building Cross-section # Other #
AQ 3.4	Pedestrian Infrastructure	Pedestrian-specific lighting		Site Plan # Landscape Plan # Other #
AQ 3.5	Pedestrian Infrastructure	Direct pedestrian linkage from the buildings to adjacent transit stops		Site Plan # Other #
AQ 4.1	Urban Heat Island Reduction: At Grade	One of the following is provided: □ High-albedo surface materials OR □ Open grid pavement OR □ Shade within 5 years of construction OR □ Combination of above 3 options		Landscape Plan # Other #

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For New Low-Rise Non-Residential Buildings (3 storeys and under) Complete in conjunction with the <u>full</u> Toronto Green Standard and Specifications.

Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
AQ 4.2	Urban Heat Island Reduction: At Grade	Shade trees planted along all street frontages, open space frontages and public walkways		Site Plan # Landscape Plan # Other #
AQ 4.3	Urban Heat Island Reduction: At Grade	Shade trees planted in surface parking areas		Site Plan # Landscape Plan # Other #
AQ 5.1	Urban Heat Island Reduction: Roof	 Choose the applicable category: Green roof required under the Green Roof Bylaw OR Buildings not covered by the Green Roof Bylaw OR City owned buildings and ABCCD's 		Site Plan # Roof Plan # Other #

TIER 1: GREENHOUSE GAS EMISSIONS/ENERGY EFFICIENCY

Section	Development	Tier 1 Required Performance	Description	Reference the Plans,
	Feature	Measure Summary	(How is this performance measure being met?)	Drawings or Reports
GHG 1.1	Minimum Energy Performance	Building designed for at least 25% improvement over the Model National Energy Code for Buildings		 Final Design Stage Energy Model Report OR Small Buildings Checklist

For New Low-Rise Non-Residential Buildings (3 storeys and under). Complete in conjunction with the <u>full</u> Toronto Green Standard and Specifications.



TIER 1: WATER QUALITY, QUANTITY AND EFFICIENCY

Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
WQ 1.1	Construction Activity	Erosion and Sediment Control Guidelines for Urban Construction adhered to during construction and demolition		Site Grading Plan # Other #
WQ 2.1	Stormwater Retention (Water Balance)	Stormwater retained on-site to the same level of annual volume of overland runoff allowable under pre-development conditions		Stormwater Management Report Site Grading Plan # Other #
WQ 2.2	Stormwater Retention (Water Balance)	One of the following is provided: The first 5mm from each rainfall retained on-site OR Maximum allowable annual runoff volume is no more than 50% of the total average annual rainfall depth 		☐ Stormwater Management Report Site Grading Plan # Other #
WQ 3.1	Water Quality- Stormwater Run-Off	80% of total suspended solids removed from all runoff leaving the site		☐ Stormwater Management Report Site Grading Plan # Other #
WQ 3.2	Water Quality- Stormwater Run-Off	E.Coli controlled in runoff from sites discharging directly into Lake Ontario or waterfront areas		☐ Stormwater Management Report Site Grading Plan # Other #
WQ 4.1	Water Efficiency	Water efficient plant material for 50% of landscaped area		Landscape Plan # Other #

For New Low-Rise Non-Residential Buildings (3 storeys and under). Complete in conjunction with the <u>full</u> Toronto Green Standard and Specifications.



TIER 1: ECOLOGY

Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
EC 1.1	Urban Forest: Tree Protection	Compliance with standards for tree protection barriers during construction		☐ Arborist Report Site Plan # Landscape Plan # Tree Preservation Plan # Other #
EC 1.2	Urban Forest: Tree Protection	All trees that are 30cm DBH (diameter at breast height) or more are retained		Arborist Report Site Plan # Landscape Plan # Tree Preservation Plan # Other #
EC 1.3	Urban Forest: Tree Protection	Trees of all diameters are retained that are located within a Ravine Protected area		Arborist Report Site Plan # Landscape Plan # Tree Preservation Plan # Other #
EC 1.4	Urban Forest: Tree Protection	Trees of all diameters adjacent to City of Toronto streets and roadways and City-owned Parkland are retained and protected		☐ Arborist Report Site Plan # Landscape Plan # Tree Preservation Plan # Other #
EC 2.1	Urban Forest: Encourage Tree Growth	One tree planted on-site for every 30m ² of site area covered by soft landscaping		Landscape Plan # Other #



Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
EC 2.2	Urban Forest: Encourage Tree Growth	Minimum soil volume for trees planted in hardscaping		Landscape Plan # Other #
EC 2.3	Urban Forest: Encourage Tree Growth	Minimum soil volume for trees planted in soft landscaping		Landscape Plan # Other #
EC 2.4	Urban Forest: Encourage Tree Growth	Watering program for trees for the first 2 years after planting		Arborist Report Landscape Plan # Other #
EC 3.1	Natural Heritage: Site	Native species planted		☐ Arborist Report Landscape Plan # Other #
EC 3.2	Natural Heritage: Site	No invasive species planted on properties or streets abutting ravines and natural area parks		Landscape Plan # Other #



Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
EC 3.3	Natural Heritage: Site	Only native species are planted setbacks from the top-of-bank valley, ravine, bluff, or buffer area		Landscape Plan # Other #
EC 4.1	Soil Quality and Planting Conditions	Soil is retained on-site or adjusted or replaced with soil of equal or better quality		Landscape Plan # Other #
EC 5.1	Glass and Other Design Features for Migratory Birds	 Glass is treated with a density pattern for the first 10-12m of a building above grade OR Reflections are muted for the first 10-12m of a building above grade 		Building Elevation # Building Cross-Section # Other #
EC 5.2	Glass and Other Design Features for Migratory Birds	Glass is treated to a height of at least 12m above the level of the green roof		Building Elevation # Building Cross-Section # Other #
EC 5.3	Glass and Other Design Features for Migratory Birds	Ground level ventilation grates have a porosity of less than 2cm X 2cm		Site Plan # Other #



Section	Development Feature	Tier 1 Required Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
EC 6.1	Light Pollution	Exterior light fixtures are shielded		Site Plan # Landscape Plan # Other #
EC 6.2	Light Pollution	No up-lighting from exterior light fixtures		Site Plan # Landscape Plan # Lighting Plan # Other #



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Tier 2 is the voluntary, enhanced performance level. Site plan applications received on or after May 1, 2009 that meet both Tier 1 and 2 of the Toronto Green Standard are eligible to apply for a potential refund of 20% of development charges (DCs) paid to the City. Completion of Tier 2 involves meeting all of the performance measures identified below as **CORE** and selecting three performance measures identified as **OPTIONAL**. Indicate where Tier 2 performance measures will be documented in the right hand columns of the checklist.

Tier 2 is verified during the construction stage by third party evaluators registered with the City. The detailed eligibility criteria, application and verification procedures are found at: http://www.toronto.ca/planning/environment/developerinfo.htm.

TIER 2: CORE

Section	Development Feature	Tier 2 Voluntary Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
AQ 4.4	Urban Heat Island Reduction: At Grade	Enhanced Urban Heat Island: At Grade performance measure provided		Landscape Plan # Other #
GHG 1.2	Minimum Energy Performance	Building designed and constructed for 35% improvement over the Model National Energy Code for Buildings		 As Constructed Energy Model Report OR Small Buildings Checklist
GHG 2.1	Minimum Energy Performance	Commission the project using best practice commissioning		Declaration template
WQ 4.2	Water Efficiency	30% reduction in potable water consumption using efficient fixtures		Declaration template
WQ 4.3	Water Efficiency	50% reduction in potable water used for irrigation		Landscape Plan # Roof Plan # Other # Declaration template



For New Low-Rise Non-Residential Buildings (3 storeys and under). Complete in conjunction with the <u>full</u> Toronto Green Standard and Specifications.

Section	Development Feature	Tier 2 Voluntary Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
EC 6.3	Light Pollution	No spotlighting or roof top vanity lighting		Roof Plan #
				Lighting Plan #
				Other #
EC 6.4	Light Pollution	Outward spillage of internal light is reduced by one of the following:		Declaration template
		Reducing the input power to lighting fixtures		
		Shielding all openings in the building envelope		

TIER 2 OPTIONAL (SELECT 3)

Section	Development Feature	Tier 2 Voluntary Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
WQ 2.3	Stormwater Retention (Water Balance)	Enhanced stormwater retention		 Stormwater Management Report Site Grading Plan # Other #
EC 3.4	Natural Heritage: Site	Plant only native tree species on properties or streets abutting ravines and natural areas		Site Plan # Landscape Plan # Other #
EC 3.5	Natural Heritage: Site	Setback from top-of-bank is planted with only native species		Landscape Plan # Other #



Section	Development Feature	Tier 2 Voluntary Performance Measure Summary	Description (How is this performance measure being met?)	Reference the Plans, Drawings or Reports
EC 5.4	Glass and Other Design Features for Migratory	Glass is treated on all supplementary building and glass features		Building Elevation #
	Birds	bulluling and glass reactives		Building Cross-Section #
SW 1.1	Reuse of Building Materials	At least 5% reused content in building materials is provided		Declaration template
SW 2.1	Use of Recycled Materials	At least 15% recycled content in building materials		Declaration template
SW 3.1	Construction and Demolition Waste Management	At least 75% of construction and demolition debris is recycled		Declaration template