

TABLE OF GDS METRIC REQUIREMENTS

Table. GDS Theme areas, metrics, and requirements.

		De	Dev't type		Appl	ication	types					
			Non-			Subdi	Block					
Metric	Rationale	Res	Res	Ind	Plan	vision	Plan	Metric Requirement				
Theme 1: Com	Theme 1: Community Design and Mobility											
Objective: Cre	eate spaces that improve socio-eco	onon	nic an	d he	alth	outcor	nes an	d overall well-being of residents				
Housing	Having a variety of housing types	Y		-	Y	Y	Y	Include development of sufficient variety of housing sizes and types in the				
Diversity	and sizes promotes a more							project such that the total variety of planned and existing housing within the				
	socially cohesive community							project achieves a Simpson Diversity Index score greater than 0.5.				
	through increased connection							Consideration to be given to:				
	between different age groups,											
	economic situations, and family							• Variety of tenures such as rentals				
	types living amongst one another.							 Options for family-sized units within multi-unit apartment buildings 				
	Research has shown that socially							• Supportive housing				
	cohesive communities fare better							 Prioritize housing with smaller footprints 				
	in the face of emergencies,							• Affordability				
	therefore, this measure would											
	serve to increase community							Projects of less than 50.5 hectares may calculate the Simpson Diversity Index				
	resilience to climate disasters.							for residential unit types for the area within 400 metres of the project's				
								geographic centre (larger projects must use just the housing within the project).				
	Limiting house sizes also reduces											
	emissions to produce and							See Housing Diversity Index Appendix for additional guidance/details.				
	transport building materials, and		Evolor	atio	a.The	ro aro c	nly thi	toon houses proposed for the subdivision and they are all single detached build				
	from energy use to cool and heat		схріаг					teen houses proposed for the subdivision and they are all single detached build- ppropriate to introduce a denser type of housing into Inglewood as it would not				
	buildings.			Ψ	·			racter of the village. Each of the buildings will be custom designed to provide				
								and design of the houses. The houses will potentially contain Additional Resid-				

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ential Units (secondary units) to retrofit basements or second floors for affordable housing.

			ev't ty	pe	Appl	lication	types	
			Non-		Site	Subdi	Block	
Metric	Rationale	Res	Res	Ind	Plan	vision	Plan	Metric Requirement
Connection	Access and proximity to parks	Y	Y	Y	Y	Y	Y	Provide new or enhanced visual and physical connections to open space areas,
to Parks and	and open spaces can benefit							parkland and Natural Heritage, where existing or anticipated future abutting
Open Space	human health, promote physical							uses exist. Enhanced connections may include: pathways and trails through the
	activity and support urban							subject property to existing park and trail, etc. and must comply with Public
	biodiversity.							Works Operations and Maintenance requirements.
Explanation	There are no parks proposed in the	subd	ivision	and	the C	aledon		
I railway is r	learby but not adjacent to the site pr	opei	ty lim	its. C	pen s	pace bl	ocks ar	Exemptions may be granted if the inclusion of physical or visual connections is
provided in	the form of an Environmental Policy and a cul-du-sac. A pedestrian pathw	Alea	lune	1, 50	אאווווע		naye-	not appropriate for the site, in which case a narrative should be provided
	he intersection of McKenzie Street a						IC SUD-	explaining the exclusion.
Light	Pedestrian lighting enhances	Y	Y	Y	Y	Y		• Provide pedestrian-scale lighting that is continuous and directed onto
Pollution	community safety, and							sidewalks, pathways, entrances, outdoor waiting areas and public spaces
Reduction	encourages walking and other							• All lighting fixtures must be Dark Sky approved or equal - if a Dark Sky Fixture
	non-vehicular modes by providing							Seal of Approval is not available, fixtures must be full-cutoff and with a colour
	safe and desirable routes for							temperature rating of 3000K or less
	travel. Dark Sky Compliant							• All lighting fixtures must have photosensors, or astronomic time-clock
	(http://www.darksky.org/fsa/)							operation to limit lighting when there is adequate daylight *
	lighting helps minimize light							 Integrated photovoltaic cells on lighting fixtures.*
	pollution and its impacts on							
	nocturnal wildlife and preserve							* A rationale may be provided for why these are not feasible in certain
	the natural night sky.							instances
								Exclusions
	Explanation: All lighting fix	tures	will b	e Da	rk Sky	compl	iant	• Traffic control lights.
	with street lighting provide							
Pedestrian	Facilitate and encourage walking	Y	Y	Y	Y	Y		Provide minimum two types of pedestrian amenities from the list below
Amenities	by enhancing availability of							consistently along on-site connections and between the site and adjacent

		D	ev't ty	ре	Appl	ication	types	
Metric	Rationale	Res	Non- Res	1		Subdi vision	Block Plan	Metric Requirement
	pedestrian amenities and incorporate accessibility and universal design.							 destinations (walkways, transit stops, parking areas, trails/pathways, schools, senior care and nursing facilities, etc.): Wayfinding plan (destinations, distances and accessibility information)
	Explanation: A pedestrian pa the subdivision to the interse Victoria Street. Demonstrated	ctior	of M	Ken	zie Str	eet and		 Interpretive signage Gathering nodes at route junctions with enhanced amenities (such as shelters, cycling amenities, consistent design features) Regular rest areas and/or weather shelters that include accessible seating, minimized separation on slopes, and shade structures. Widened boulevards with additional amenity space Public art as per Town selection criteria and integrated as part of an overall landscape or streetscape plan Other amenity as proposed by applicant and approved by the Town Senior Care and Nursing Facilities: Have additional benches and weather shelters in proximity to walking distances of senior care and nursing facilities
Public Spaces	Providing vibrant public spaces promotes community social well-being and health while strengthening community networks and placemaking. This encourages the use of active travel modes with destinations within walking distances of homes, and reduces emissions from travel. It also increases	Y	Y	Y	Y	Y	Y	 wherever feasible in publicly accessible areas adjacent Provide at least 2 of the following outdoor public amenities: Enhanced Parkland Dedication (residential) Plaza or square Skating rink Public community garden Outdoor seating area (e.g. natural amphitheatre, tables/benches, etc.) Gazebo Trails (additional to trails required by the Town) Pedestrian only street/Promenades Outdoor amenity space for employees (Non-Res/Ind)

		D	ev't ty	pe	Appl	ication	types	
Metric	Rationale	Dec	Non-	l na d		Subdi vision		Metric Requirement
WELTIC		Res	Res	ma	Plan	VISION	Pidfi	-
	community resilience to climate disasters through increased							• Covered outdoor waiting area at primary building entrance or lobby entrance with opaque canopies or awnings for shade and weather protection
	community connection and							• Other amenity (as proposed by applicant)
	interactions.							
								All outdoor spaces must include shading either from trees or shade structures.
	Explanation:There are n	o pul	blic sp	aces	provi	ded.		Note that relevant features (such as gazebos) can be counted both for this metric and the Pedestrian Amenities metric.
Walkability	Enable more opportunities for	Y	Y	Y	Y	Y	Y	Provide direct, connected, safe, accessible, and context-appropriate pedestrian
	residents to walk to destinations							routes, including crosswalks and mid-block crossings to connect the site to the
	and for recreation, to reduce							existing and future pedestrian network and priority destinations (e.g. transit
	dependence on cars and improve health							stations, transit stops, places of employment).
	lieatti							• Where there are existing or planned trails, green spaces, or key destinations
								within or adjacent to the site, build new multi-use trails and enhance trail
								connection(s).
								• Provide a context-sensitive pedestrian sidewalk that is a minimum of 2.0m
								wide on both sides of streets, wherever sidewalks are required per
								Development Standards Manual.
	Explanation:The pedestrian path	way	impro	Ves	walka	bility ar	nd	• Residential blocks do not exceed 80x180m unless a clear narrative is given as
	circulation to access the surrour							to why there should be an exception (note: blocks can be separated by trail
	Trailway is nearby, however it is	not	access	sible	from	the site	-	connections).
								All connections must be AODA compliant
								All connections must be AODA compliant.

		D	ev't ty	ре	Арр	lication	types	
Metric	Rationale	Res	Non- Res			Subdi vision	Block Plan	Metric Requirement
Cycling Amenities	Enable greater uptake of cycling for commuting and recreation Explanation: Bicycle parking is r meets the local road standards		equire	Y ed an	۲ d cycl	ing	Y	 Provide direct, safe, accessible and context-appropriate cycling routes and amenities to enable cycling to and from destinations, including: Bike repair stations along trails and bike routes Showers and change rooms for institutional and office buildings Bike parking at the following ratios*: Multi-unit residential buildings with more than 6 units: 1 space for every 3 dwelling units Retail, service commercial, institutional: the greater of 3 spaces, or 3 spaces per 1000m3 Elementary and Secondary Schools: 1 space for every 10 students, 1 space for every 35 employees *Explanation must be provided if these ratios cannot be met AND Meet cycling requirements identified in Caledon's Active Transportation Master Plan
Mixed Use Neighbour- hoods	Design communities that enable active transportation opportunities by locating travel destinations close to homes. Explanation: Metric is not app	Y	Y		Y	Y	Y	 ALL AREAS: A mix of uses is provided within the same lot or block. Strategic Growth Areas: Three or more community amenities are within 500m (equivalent to a 5 minute walk along) of 75% of dwelling units along connected routes.
								Other residential areas: Three or more community amenities are within

		D	ev't ty	ре	App	Application typ		
Metric	Rationale	Res	Non- Res			Subdi vision		Metric Requirement
								800m of 75% of dwelling units (equivalent of a 10 minute walk) along connected routes.
								Community amenities could include: - Essential businesses like grocery stores, pharmacies - Schools - Community and recreation centres - Cultural and social amenities - Parks, outdoor spaces Large-scale developments should include a distinct neighbourhood centre wherever possible that includes a compatible mix of uses such as residential, parks, retail, and community services. Note: planned/future amenities may be included in the calculations.
Electric Vehicle Charging	Support low-carbon personal vehicles to reduce transportation emissions Explanation: House garages wi be equipped with electric vehi							 Residential with garages, driveways, or adjacent parking spaces All units with garages, driveways, or adjacent parking spaces are equipped with electrical infrastructure capable of supplying Level 2 charging or higher. Residential parking lots or parkades At least 20% of parking spaces are equipped with electric vehicle supply equipment (EVSE) capable of Level 2 charging or higher. All remaining spaces are EV-ready. Non-residential Total of 25% of parking spaces must be EV-ready or equipped with charging stations as follows: minimum 15% of parking spaces are EV-ready, 5% of spaces (minimum one space) must be equipped with EV charging stations capable of

		De	ev't ty	ре	e Application t		types	
			Non-			Subdi		
Metric	Rationale	Res	Res	Ind	Plan	vision	Plan	Metric Requirement
								Level 2 charging or higher, and 5% of spaces (minimum one space) must be
								equipped with EV charging stations capable of Level 3 charging. Provide
								signage indicating that spaces with chargers are for customer and/or employee
								use rather than fleet vehicles.
								Mixed-use:
								Apply the requirements above for residential and non-residential parking that
								is provided.
								• Establishing electric vehicle charging stations are achieved by agreement at
								the development stage and implementation at the building stage. It is
								important for developers and builders to agree to install electrical vehicle
								charging stations prior to commitment.
								See EV CHARGING REQUIREMENTS appendix for additional
								guidance/specifications.
Theme 2: Gree	en Infrastructure							
Objective: Pro	mote sustainable, resilient comm	nunit	ies tl	nrou	gh gr	een in	frastru	icture
On-Site	Objectives:	Υ	Y	Y	Y	Y		Meet minimum green cover targets across the site by completing the Green
Green	- Build in adaptation and							Factor Tool. Eligible green infrastructure features must comply with
Infrastruc-	resiliency across the stormwater							specifications in the GDS and other Town standards.

- Low-Rise Residential: 0.60

- Commercial: 0.30 - Industrial: 0.20

- Multi-Unit and Residential in Strategic Growth Areas: 0.50

system in response to climate

- Reduce urban heat island effect

- Protect natural water balance

- Improve biodiversity by

change

and water quality

ture

		De	ev't ty	pe	Appl	ication	types	
	Detterrele	_	Non-			Subdi		
Metric	Rationale	Res	Res	Ind	Plan	vision	Plan	Metric Requirement
	enhancing habitat for pollinators							Mixed use sites can pro-rate their required factor based on the gross floor area
	and other wildlife							of each of the types of development on the site.
	- Enhance green space in urban							
	areas for aesthetics, recreation							TREE PLANTING SPECIFICATIONS
	and human well-being							Locate trees for optimal landscape value (such as stormwater infiltration and shade)
								Shade)
	Explanation: Stormwater Man	ader	nent n	ond	follow	is town		Identify new tree planting areas and provide an assessment of projected
	standards and provides greens							canopy coverage at 75% maturity, including preserved existing trees.
	improve well-being							
								Include all preserved trees within the warranty and maintenance schedule for
								the site plantings
Soil Volume	Ensure newly planted trees have	Y	Y	Y	Y	Y		Provide access to soil volume of 16m3, 30m3 and 45m3 for small, medium and
Require-	adequate volume and quality of							large canopy trees, respectively (or tree-specific soil volume indicated in the
ments	soil to reach maturity.							municipal tree species guide, whichever is greater). A maximum depth of 1.5
								meters can be used to calculate the soil volume provided.
								Cails used for planting process must be stackpilled to a maximum of beight of
								Soils used for planting areas must be stockpiled to a maximum of height of 1.5m and for no longer than 2 years.
								1.5m and for no longer than 2 years.
								Provide a minimally compacted topsoil layer/upper horizon for all tree planting
								areas with the following properties:
	Explanation: Refer to Landscap	e Dr	awing	s for	planti	ngs		• organic matter content of 10-15% by dry weight and an unamended pH of
								7.0-7.5 and appropriate for the proposed species;
								• minimum depth of 0.5m, or in accordance with municipal standards,
								whichever is higher.

		De	ev't ty	ре	Арр	lication	types	
Metric	Rationale	Res	Non- Res			Subdi vision		Metric Requirement
Plant Species	Enhance biodiversity and habitat for pollinators Explanation: Refer to Landsc	Y ape I	Y Drawii	Y ngs f	Y or pla	Y		Landscape plan to include no invasive species and target a minimum of 50% native plant species, 25% of which should be pollinator-friendly species. Select drought-tolerant species from colder climate zones wherever possible. Refer to CVC's resources for definitions of native, nativar, pollinator, and drought-friendly species. For sites adjacent to Agricultural lands, Natural Heritage features, Environmentally Significant Areas (ESAs), and any other areas that are restricted from development as outlined in Caledon's Official Plan (here to be termed Natural Features). Vegetated buffers must be provided both within the site (where possible) and for any disturbed area between the development limit and the Natural Feature. Vegetated buffers must include 100% native vegetation, with a preference for drought-tolerant species. Provide a 3-year watering and maintenance program.
Cool Paving	Increasing shade, and incorporating reflective paving and landscape area can help to reduce urban heat island effect which large paved areas contribute to.	Y	Y	Y	Y	Y		 Residential AND all development in Strategic Growth Areas: Less than 15% of total developable area is provided to parking at grade and is located at the rear or side of the building. Any additional parking is to be provided below grade or in an elevated parking tower. ALL SITES: Paved areas are to be treated with at least two of the following strategies covering at least 75% of total paved area: • High-albedo paving materials with an initial solar reflectance of at least 0.33
	Explanation: Street trees are prov sides of the street	ided	on bo	th				or SRI of 29;

		D	Dev't type		Арр	lication	types	
Metric	Rationale	Res	Non- Res			Subdi vision		Metric Requirement
								 Canopy of large growing shade trees, minimum 40% coverage at 50% tree maturity (also contributes to, and can be demonstrated through the On-Site Green Infrastructure Metric). For parking areas, projects may plant one tree for every five parking spaces distributed within or along the border of the parking area, in lieu of reflective paving or completing a shade study Shade from architectural structures that are vegetated or have an initial solar reflectance of at least 0.33 at installation or an SRI of 29; Shade from structures with energy generation Open grid pavement with at least 50 % perviousness (can be demonstrated through the On-site Green Infrastructure Metric). ** Note: Industrial work yards or similar areas that limit the available options for shading or reflective surfaces may be excluded from the hard surface area calculation. These areas should be highlighted in the submitted Site Plan, indicating why they cannot comply.
Stormwater Quantity and Quality	Management of stormwater can reduce the risks of downstream flooding and erosion thus increasing communities' resiliency. Reducing storm water run-off also reduces the amount of space and infrastructure required to capture and treat it, as well as maintenance of	Y	Y	Y	Y	Y	Y	 Stormwater Quantity (Water Balance) Control stormwater volumes generated from the geographically-specific 90th percentile rainfall event (or as assessed by an appropriate study) on an annual average basis from all surfaces on the entire site in the following hierarchical order: Retention - infiltration, reuse, or evapotranspiration LID filtration Conventional stormwater management Step 3 should proceed only once Maximum Extent Possible has been attained

		D	ev't ty	ре	App	lication	types	
Metric	Rationale	Res	Non- Res	Ind		Subdi vision		Metric Requirement
	stormwater management systems - which will ultimately reduce GHG emissions. Protect and improve the quality							 for Steps 1 and 2 for Retention and Filtration (see Town criteria for detail) Stormwater Quality Characterize the water quality to be protected and Stormwater Contaminants (e.g., suspended solids, nutrients, bacteria, water temperature) for potential
	of receiving water bodies that might be impacted by development and urbanisation. Explanation: Refer to Stormwate Management study in FSR	pr						 impact on the Natural Environment, and control as necessary, OR As per the watershed/subwatershed plan, similar area-wide Stormwater study, or Stormwater management plan to minimize, or where possible, prevent increases in Contaminant loads and impacts to receiving waters. Suspended Solids: Control [3] 90th percentile storm event and if conventional methods are necessary, then enhanced, normal, or basic levels of protection (80%, 70%, or 60% respectively) for suspended solids removal (based on the receiver). Note: green infrastructure features implemented through the On-Site Green Infrastructure metric may help to achieve the requirements of this credit.
Natural Heritage Conservation	Conserve and improve natural heritage system and wildlife habitat health Explanation: The open spa west side of the property buffer				Y e	Y	Y	 Provide a Landform Conservation Plan that includes strategies for the following: Landform Conservation: A development strategy that minimizes disruption to landform character. This should include: preserving existing native trees on site to the fullest extent possible; significant landform features retention in an open, undisturbed form; lot selection, road alignment and building placement to minimize grading; development concentrated on areas of the site that pose the least impact;

		De	ev't type		Appl	ication	types	
Metric	Rationale	Res	Non- Res			Subdi vision		Metric Requirement
								 and use of selective grading techniques. Natural Heritage Connectivity: Continuous connections are provided between existing adjacent natural areas and the project site, with particular consideration for wildlife passage. Vegetated buffers along water courses are maintained/protected. Natural Heritage features are integrated into the public green space and parks system of the municipality's trail system wherever appropriate. Restoration: Where natural features (e.g. wetlands, woodlots, grasslands, etc.) have been identified through Caledon's Official Plan and secondary plans, development should include a restoration plan to ensure that natural features can continue to function as well or better than they did previous to
								development.

		Dev't type		Application types			
Metric Rationale	Res	Non- s Res			Subdi vision		Metric Requirement
Bird-Friendly Design Provide bird-friendly environments and reduce bir collisions caused by buildings Explanation: There residential buildings	are no mi	ulti-un	Y	Y	Y		 For Multi-Unit Residential, and Non-residential: Bird-Friendly Glazing Use a combination of the following strategies to treat a minimum of 85% of all exterior glazing within the first 16 m of the building above grade, or to the height of the mature tree canopy, whichever is greater: 1,2,3,4,5 (See Bird-friendly glazing specs tab for numbered footnotes/details) Visual markers applied to the 1st surface of glass with a maximum spacing of 50 mm x 50 mm; Building-integrated structures to mute reflections on glass surfaces; or, Non-reflective glass. Areas where visual markers are required include: 6,7 Balcony railings and fly-through conditions; Elevations facing a High Hazard Area. Rooftop Vegetation Treat the first 4 m of glazing above the feature and a buffer width of at least 2.5 m on either side of the feature using strategies from Bird Friendly Glazing. Grate Porosity Ensure ground level ventilation grates have a porosity of less than 20 mm X 20 mm (or 10 mm x 50 mm). OR Once released, comply with the Town of Caledon Bird-Friendly Design Guidelines

		De	ev't ty	ре	Appl	ication	types	
			Non-		Site	Subdi	Block	
Metric	Rationale	Res	Res	Ind	Plan	vision	Plan	Metric Requirement
Objective: Sup	oport zero-carbon, energy efficien	t an	d resi	lien	t buile	dings a	nd rer	newable energy systems
Reducing operational GHG emissions	Greenhouse gas intensity (GHGI) is the total greenhouse gas emissions associated with the use of all energy utilities on site. It differs from TEUI and TEDI as it converts the energy use of a building into GHG emissions using an equivalent emissions factor the the energy sources used in the building. As a measure of the performance of different fuel types, GHGI can be decreased by prioritizing low-carbon fuel and energy sources. Will be confirmed at detaile	Y ed de	Y sign s	Y	Y	Y		 For Low-Rise Residential (3 stories and under) Design and construct to minimum ENERGY STAR for New Homes version 17.1 or R2000, or equivalent (see GHGI Low-Rise Res Tab for details) AND Install a low carbon heating system For Multi-Unit Residential (above 3 stories), Commercial, Industrial Meet the GHG intensity targets outlined in the GHGI Nonres/Murb appendix. Proponents must also meet the specified TEDI and TEUI targets, however, projects that come within 10% of these thresholds are permitted, provided that they provide a description on why it isn't feasible for them to reach the targets, and where alternate improvements in performance are made (for example, identifying embodied carbon reductions beyond the required threshold and/or the installation of on-site renewable energy). If a building does not meet net zero emissions, provide a zero-carbon transition plan that lays out the pathway towards achieving carbon neutrality in the future and that identifies how the building is designed to support this, such as providing the necessary infrastructure for full building electrification and
Building Resiliency	To promote and enhance building resilience.	Y	Y	Y	Y	Y	Y	avoidance of on-site combustion of fossil fuels. Low-Rise Residential Implement at least one measure from each of the categories outlined in the Durham Region Climate Resilience Standard for New Houses (Basement

		De	v't ty	ре	App	ication	types			
Metric	Rationale	Res	Non- Res			Subdi vision		Metric Requirement		
								Flooding, Extreme Wind, and Extreme Heat).		
								Multi-unit residential and non-residential Operational Building Resilience		
								Include a minimum of 1 feature to improve building resilience to climate		
								impacts with a focus on wind resilience, flood-proofing, and backup energy, AND		
								Incorporate backup generator to 3 or more critical building systems:		
								•Security systems		
								•Heating systems		
								•Water pumps operation for potable water (if applicable)		
								•Lighting and Electric Load		
								•Plug load in common areas and offices		
								•Emergency lighting for common area spaces for a shelter-in-place scenario •Ventilation Systems		
								• Operation of cable modem and wireless router or other means of providing online access within the building, if applicable		
								Multi-unit residential		
	Will be confirmed at detaile	ed de:	sign s	tage				• Provide a refuge area with heating, cooling, lighting, potable water and power available		
Solar Ready	To encourage and support renewable energy and reduce	Y	Y	Y	Y	Y		All buildings in the project are designed to be solar-ready.		
	reliance on fossil fuel-based energy							Developers must include an opt-in for new owners to install solar PV or thermal systems at their expense.		
								Designing for solar readiness includes: • Designate an area of the roof for future solar PV and/or solar thermal. Size		

		De	v't tyj	pe	Appl	ication	types	
Metric	Rationale	Res	Non- Res	Ind		Subdi vision		Metric Requirement
	ill be confirmed at detailed design	stag	e					 the area to accommodate solar thermal or PV that could meet a minimum of 30% of the building's energy requirements (or the maximum available roof area if 30% can't be met). Design and build an adequate structural capacity of the roof structure. Install one or two conduits from the roof to the main electrical or mechanical room (size of conduit to be determined based on maximum potential solar PV or solar thermal system size). Designate a 2m by 2m wall area in the electrical and mechanical rooms for future solar electrical/thermal equipment controls and connections (e.g. meters, monitors). Where possible place the HVAC or other rooftop equipment on the north side of the roof to prevent future shading. For more guidance on solar readiness, or to access a Solar Readiness Checklist, consult with NRCan Solar Ready Guidelines. Applicants are also encouraged to consult the National Renewable Energy Laboratory's Solar Ready Buildings Planning Guide for additional considerations for PV-ready provisions. Exemptions Proponents may seek an exemption from the solar ready component where: Accommodation of a solar energy system and/or a solar hot water heater would be impractical due to poor solar resources at project site; A substitute renewable energy system will be installed at the time of construction; or Where proponent can justify that a solar installation does not make sense such as buildings with low electrical loads making solar net metering an unfeasible option

		De	ev't ty	ре	Арр	lication	types	Metric Requirement
Metric	Rationale	Res	Non- Res			Subdi vision		
Renewable Energy Generation	To encourage and support renewable energy and reduce reliance on fossil fuel-based energy. Meeting this metric's requirements also contributes to compliance with the Reducing Operational GHG Emissions metric.	Y Will I	Y pe cor	Y	Y ed at	Y detailed	d desigi	Minimum of 5% of the total energy for the project is generated on-site by renewable energy sources such as: solar, wind, geothermal, and sewer water heat recovery, and where possible connected through a micro-grid or small-scale district energy system. Industrial projects may exclude process energy from the calculation.
Embodied Carbon	Building materials can contribute to GHG emissions associated with their production and reductions from their design. In addition, using lower impact materials and recycled materials can reduce GHG emissions and can be more cost-effective. ill be confirmed at detailed desig	Y n sta	Y	Y	Y			Single-family, semis-, row-houses Conduct a Materials Emissions Assessment using BEAM (Building Emissions Accounting for Materials tool), or an equivalent tool, to measure A1-A3, stage emissions for all structural, enclosure and major finishes (cladding, flooring, ceilings, interior wall sheathing). Identify low-carbon sustainable material alternatives to the proposed structure or envelope to use in the building project. The report must demonstrate an emissions intensity of less than 250 kgCO2e/m2. See Embodied Carbon tab for more details. All other buildings Conduct a whole building life cycle assessment (LCA) of the building's structure and envelope in accordance with the CaGBC Zero Carbon Building Standard v2 methodology or later that demonstrates a minimum of 5% embodied carbon reduction, compared with a baseline building, and identify reductions and material switching from high carbon materials like concrete. See the Embodied Carbon tab for further details and guidance.
Water Efficient	Conservation and efficient use of portable water to achieve	Y	Y	Y	Y			Where soft landscaping exists on the site, reduce potable water use for irrigation by 60%

		De	Dev't type		Appl	ication	types	
Metric	Rationale	Non-Non-SiteSubdiBlockRationaleResResIndPlanvisionPlanMetric Requirement	Metric Requirement					
Irrigation	Caledon's goal of one third of homes to reduce their water consumption by 50% Wil	l be (confiri	med	at det	ailed de	esign st	Refer to LEED® V4.1 BD+C: WE Credit Outdoor Water Use Reduction. age
Construction / deconstructi on	Promote re-use, and repurposing building materials to reduce waste reduction and diversion to reduce building materials going into the landfill Will be confirmed at detailed des	Y sign s	Y	Y	Y	Y		 Waste Management Plan and Report All projects must develop and implement a construction and demolition waste management plan and divert at least 75% of the total construction and demolition material from landfill: diverted materials must include at least four material streams. OR Generate less than 100 kg/m2 of construction and demolition waste through reuse and source reduction design strategies. Salvage or recycle renovation and demolition debris and utilize waste minimizing design strategies for new construction elements. Track all materials generated by the project from start of construction. Include all waste and diverted materials in the calculation of total project waste. Exclude hazardous materials and land-clearing debris from calculations. See waste management tab for more details.
Owner education	Educate owners, maintenance staff, and occupants of sustainable building and site features to bring attention to their	Y	Y	Y	Y	Y		Provide permanent signage for Green/LID/site features to educate owners and tenants on their purpose and maintenance requirements. Distribute a Town-approved sustainability handout to all new building owners/tenants, outlining sustainability features, such as green building

		De	ev't tyj	pe	Application types			
Metric	Rationale	Res	Non- Res	Ind		Subdi vision	Block Plan	Metric Requirement
	value/significance/importance, as well as to ensure that they are properly used and maintainted.							materials, transit stop locations and encouraging other activities (low-water gardening, green cleaning materials, alternate pest control measures, purchasing green power, etc.).
	Will be confirmed at detailed de	esign	stage					The sustainability handout shall also include an itemized list of all "green" technologies and programs that the applicant has committed to undertake within this Green Development Standard, including reference and attachments for any ongoing maintenance requirements or standards.