

SUSTAINABLE DEVELOPMENT MEASURES

#	CATEGORY	#	DESCRIPTION	REQUIRED DOCUMENTATION (ZBL)	MINIMUM PERFORMANCE MEASURES	MATERIALS REQUIRED FOR VERIFICATION
	Active Transportation Corridor	5	Improved facilitation of green modes of transportation for employees and visitors	Construction plans showing location of proposed construction along Active Transportation Corridor at Active Transportation Guidelines	Along a designated Active Transportation Corridor, construction or redevelopment at Active Transportation Overlay Standards	Site plan indicating plants, sidewalks, and other features and building drawings indicating that construction will be at Active Transportation Overlay Standards
	Benchmarking and Disclosure of Energy	2	Manager facilitates data monitoring, rating and optimization of building energy use through an online portal	Copy of enrollment in Canadian ENERGY STAR Portfolio Manager	Enrolment in Canadian ENERGY STAR Portfolio Manager	Copy of Enrolment Certificate
	Bicycle Amenities	2	Improved facilitation of green modes of transportation for employees and visitors	Construction showing bike storage, bike parking, employee shower	Inclusion of two of the following; a) One secure and enclosed bicycle storage for 10 percent of planned employee occupancy; b) One employee shower facility plus one for every 150 employees; or c) Bicycle parking spaces (racks) at a rate of one space per 5000 sq. ft. of gross building area, with no fewer than four bicycle spaces per building	Indication of which of the requirements are being sought, including confirmation of the number of employees and/or gross building area(s). Construction plans and/or site plan indicating the amenities and specifications
	Bicycle Path	2	Improved facilitation of green modes of transportation for employees and visitors.	Construction plans showing new bike path adjacent to creek corridor	Along an existing creek corridor construct sidewalk/ path connections.	Construction plans and/or site plan indicating sidewalk/path and specifications.
	Energy Efficient Building	5	The Manitoba Energy Code for Buildings, ANSI, and ASHRAE systems establish minimum standards for energy use in new or renovated (50 per cent plus) buildings.	Proof that new construction is 10% improvement over MB Energy code standard / Proof that a major renovation is 5% improvement over ANSI/ASHRAE/ES Standard 90.1-2013	New Construction +10 per cent over Manitoba Energy Code baseline OR Major Renovation +5 per cent over ANSI / ASHRAE / ES Std. 90.1-2013.	Letter of Certification from qualified professional indicating that the building(s) will achieve proposed improvements.
	Green Building	2	Designing, constructing, and operating environmentally	Construction plans showing new construction	Includes Canada Green Building Council (ex: "LEED v4"), Green	Identification of building certification framework and points

			sustainable facilities to reduce environmental impacts.	or major renovation in compliance with the Green Building rating system Energy model demonstrating improvement and other proof of eligibility for certification by Green Building Council of Canada, Green Globes or Living Building Challenge	Globes or Living Building Challenge green building certification frameworks. Green Building points cannot be duplicated for any comparable performance measures in this list.	sought and construction plans or Letter(s) of Certification demonstrating measure(s).
Green Industries	3	Facility operations demonstrating a strong commitment to sales of green products and services. Green industries include: a) Sellers of green energy technology; b) Sellers of toxic free alternatives to ozone depleting substances, such as freons, halons and chlorofluorocarbons, in the areas of refrigeration, plastic foams, halons, solvents, fumigants and aerosol; or c) Recycling services	Specifications and quarterly reports for 48 months after start up as proof that qualifying green product sales and services comprise over 75% of gross revenue	Qualified green product sales and services comprise at least 75 per cent of revenue.	Product and/or service specifications to be submitted indicating percentage of gross revenues captured through green product sales and services.	
	5		Specifications and quarterly reports for 48 months after start up as proof that qualifying green product sales and services comprise over 95% of gross revenue	Qualified green product sales and services comprise at least 95 per cent of revenue.		
Green Roof	3	Vegetated building surfaces reduce on-site drainage needs and can support reduced interior heating and cooling needs.	Construction plans showing vegetated roof on 50% min of total roof area – with drainage and planting details	At least 50 per cent of all on-site roof and/or sidewall surfacing to be vegetated.	Construction, drainage and planting plans demonstrating minimum 50 per cent vegetated cover.	
Heat Island Reduction	3	Reducing ambient heat gain improves pedestrian comfort, ecological resiliency, and passively reduces interior heating and cooling needs.	Construction plans showing 35% of all on-site, non-roof hardscape areas such as sidewalks, plazas, courtyards, parking lots, parking structures, and driveways to be covered by either: shade tree canopy (15 year maturity); or solar reflective paving	At least 35 per cent of on-site hardscaping (ex: parking, sidewalks, driveways, courtyards) covered by: a) 15-year maturity shade trees canopy; b) solar reflective paving; or c) roofing with a solar reflectance index (SRI) of >29	Construction plans demonstrating at least 35 per cent of surfacing meets requirements.	

				and roofing with a solar reflectance index (SRI) of at least 29		
	Efficiency Manitoba Performance Path	5	Efficiency Manitoba support construction and operations of high-performance buildings with reduced operating costs.	Construction plans showing sustainable development measures and proof of qualification for current incentives	Enrolment in Efficiency Manitoba's Performance Path program.	Letter of Verification from Efficiency Manitoba
	Efficiency Manitoba Energy Modelling	2		Construction plans showing sustainable development measures and proof of qualification for current incentives	Enrolment in Efficiency Manitoba's Energy Modelling program.	
	Rail Use	3	Facility operations demonstrating a strong commitment to local rail infrastructure.	Logistics plans and quarterly reports for 48 months after start up showing transport of raw and finished good to be 60% or greater by rail	At least 60 per cent of raw and finished goods transported by rail.	At least 95 per cent of raw and finished goods transported by rail.
		5		Logistics plans and quarterly reports for 48 months after start up showing transport of raw and finished good to be 95% or greater by rail	At least 95 per cent of raw and finished goods transported by rail.	
	Renewable Energy Sources Incentive programs: Manitoba Green Energy equipment tax credit and Manitoba Geothermal Energy Incentive Program	3	Use of on-site solar generation and use in compliance with Earth Energy Standards (EES) to reduce reliance upon and loads on local infrastructure networks.	Construction plans or an affirmative pre-feasibility study of the system showing onsite solar (thermal or Photovoltaic), wind energy generation or geothermal in compliance with CSA-448 Earth Energy Standard established through an accepted building energy performance simulation tool supplying 5% min of building's annual electric and thermal energy	Five per cent or more of annual site energy needs supplied through on-site capture and use of renewable energy including solar (photovoltaic and/or thermal), wind generation, and/or geothermal.	Construction plans and/or on-site feasibility studies demonstrating measure(s) with EES Standard CSA-448-compliant modelling and a Letter of Certification from a qualified professional.

	Upgrade to Industrial Corridor	1	Improved visual and ecological amenities along key industrial routes.	Construction plans showing shade tree planting and sidewalks along an Industrial Corridor, with connections to existing and proposed adjacent sidewalks	Along a designated Industrial Corridor, install shade trees and sidewalk connections with any adjacent existing and proposed sidewalks.	Site plans indicating plantings and sidewalk locations and specifications.
	Walkable Street	5	Site plans indicating plantings and sidewalk locations and specifications.	Construction plans showing location of proposed construction along a Walkable Street at Walkable Street Guidelines	Site plans indicating plantings and sidewalk locations and specifications.	Construction plans and/or site plan indicating site is being developed to Walkable Street Standards.
	Water Efficient Landscaping	2	Reducing exterior water needs through plant selection, water capture and/or reuse, and related site controls.	Construction plans showing Xeriscape plant materials and water-re-use for irrigation	Selection of "Xeriscape" (ex: native) plant species for all site plantings, and majority re-use of captured water (ex: rainwater) for irrigation.	Construction plans identifying plantings and water re-use irrigation plans and a Letter of Certification from a qualified professional.