

APPENDIX 1
Sustainability Framework -
Themes, Objectives and Targets

Theme	Objective	Target
A. Energy	1. High levels of energy efficiency	A1 building efficiency 40% to 60%
		A2 Building measurement and verification
	2. Increase the percentage of energy consumption from renewable sources	A3 20% of energy from renewable resources by 2010 (relative to 2004)
		A4 purchase 30% electricity from low impact renewable energy by 2010 and increase to 80% by 2020.
	3. Reduction in per capita greenhouse gas emissions	A5 50% of residences and businesses engaged in tracking carbon off-sets
	A6 40% less CO2 emissions per capita energy use than current avg by 2025	
B. Land Use	1. Development patterns consistent with sustainability	<i>not defined</i>
	2. Vibrant street life	<i>not defined</i>
	3. Maximize opportunities for use of renewable energy	<i>not defined</i>
	4. Enhanced animal and aquatic habitat	<i>not defined</i>
	5. Compatibility between land uses and sustainable infrastructure	<i>not defined</i>
	6. Recapture value of abandoned and underused sites	<i>not defined</i>
D. Sustainable Buildings	More sustainable buildings	<i>not defined</i>
	High performance sustainable buildings systems	D1 all new buildings conform to LEED gold – evaluate feasibility of LEED platinum
	Building site that maximize sustainability opportunities	<i>not defined</i>
	Buildings that are compatible with a high quality of life in associated communities	<i>not defined</i>
	Long life for buildings and related structures	<i>not defined</i>
E. Air Quality	Reduce concentrations of the air pollutants that contribute to smog.	E1 all residential units within 350m of basic shopping needs and personal services
	Minimize dust from construction and demolition activities	<i>not defined</i>
	Purify air and add beauty and comfort on site	E2 30-35% coverage of site with trees

F. Human Communities	1. Waterfront communities that attract people year round	F1 25% of waterfront area new parks and open spaces
		F2 At least 8 beaches meeting Blue flag certification by 08
	2. a place to live for people from all walks of life throughout the life cycle	F3.1 25% of new residences targeted for affordable housing.
		F3.2. Need a separate target for family housing and community development . i.e. Infrastructure to support community development. The framework does state an action related to infrastructure supporting community development, but needs a specific target.
	3. appropriate mix of residential and commercial space	F4 25% of space is commercial space
	4. a peaceful and relaxing environment	F5 ambient noise levels 45db(A) in residential areas
	5. community involvement in growing healthy nutritious food	F6 all new residential incorporate green roofs, balcony gardens and/or community gardening
	6. learn more about sustainability in action	<i>not defined</i>
	7. Public Consultation not currently part of the Sust.Framework. Should be added as an objective under Human Communities.	
8. From TBL point of view: communities can only be considered sustainable when the economy is stable: need an employment related objective.		
H. Natural Heritage	1. Extensive habitat improvement	H1 restore habitats TRCA TNHSS priorities
		H2 apply habitat restoration with TWARHS
	2. Strengthen native biodiversity	H3 80% restoration native, 20% noninvasive
	3. state-of-the-art integrated soil management	<i>not defined</i>
	1. Contribute to improved water quality in the lake	<i>not defined</i>

I. Water	2. Reduce use of potable water	I1 per capita consumption potable water 260 l/person/day residential , 80 l/person/day commercial
	3. Protect groundwater from contamination	<i>not defined</i>
	4. celebrate the waterfront setting and water as a feature	<i>not defined</i>
C. Transportation	1. Minimize car use	C1 1300 km per capita/year residents
		C2 residents within 350m of LRT/bus
	2. Increase walking, cycling and public transit use.	C3 one bike storage /parking per 100m2 residential
		C4 6 bike parking and appropriate number of showers per 1000m2 commercial
		C5 75% children living/school on site with alternate transport. This should link to Human Communities (F3.2.)
G. Cultural Resources	1. Maximize cultural resources	<i>not defined</i>
	2. Protect and enhance existing culture & heritage resources	<i>not defined</i>
	3. Community should mirror Toronto's multi-cultural and divers environment.	
J. Material and Waste	1. Waste reduction resources	J1 per capita waste disposal 200kg/person/yr
	2. Re-use and recycling	J2 75% of lumber from sustainable plantations or recycled sources
		J3 25% building materials from recycled or renewable sources
	3. Local economic development	<i>not defined</i>
	4. Onsite containment of waste	J4 zero transport of leaves/organic waste from the Toronto waterfront
	5. Avoid use of materials and compounds that create health or environmental risks during production, use, or disposal.	Missing: Low emitting materials. Build with low VOC materials (specifically adhesives, sealants, carpets and paints)
	1. Stimulate creativity and innovation	<i>not defined</i>

K. Innovation	2. Bring attention to Toronto Waterfront's sustainability achievement and potential.	<i>not defined</i>
	3. Accommodate techno advances	
		<i>not defined</i>
L. Economic		