

Brampton **Grow Green** an Environmental Master Plan

Stakeholder Consultation
June 17, 2013

today's agenda

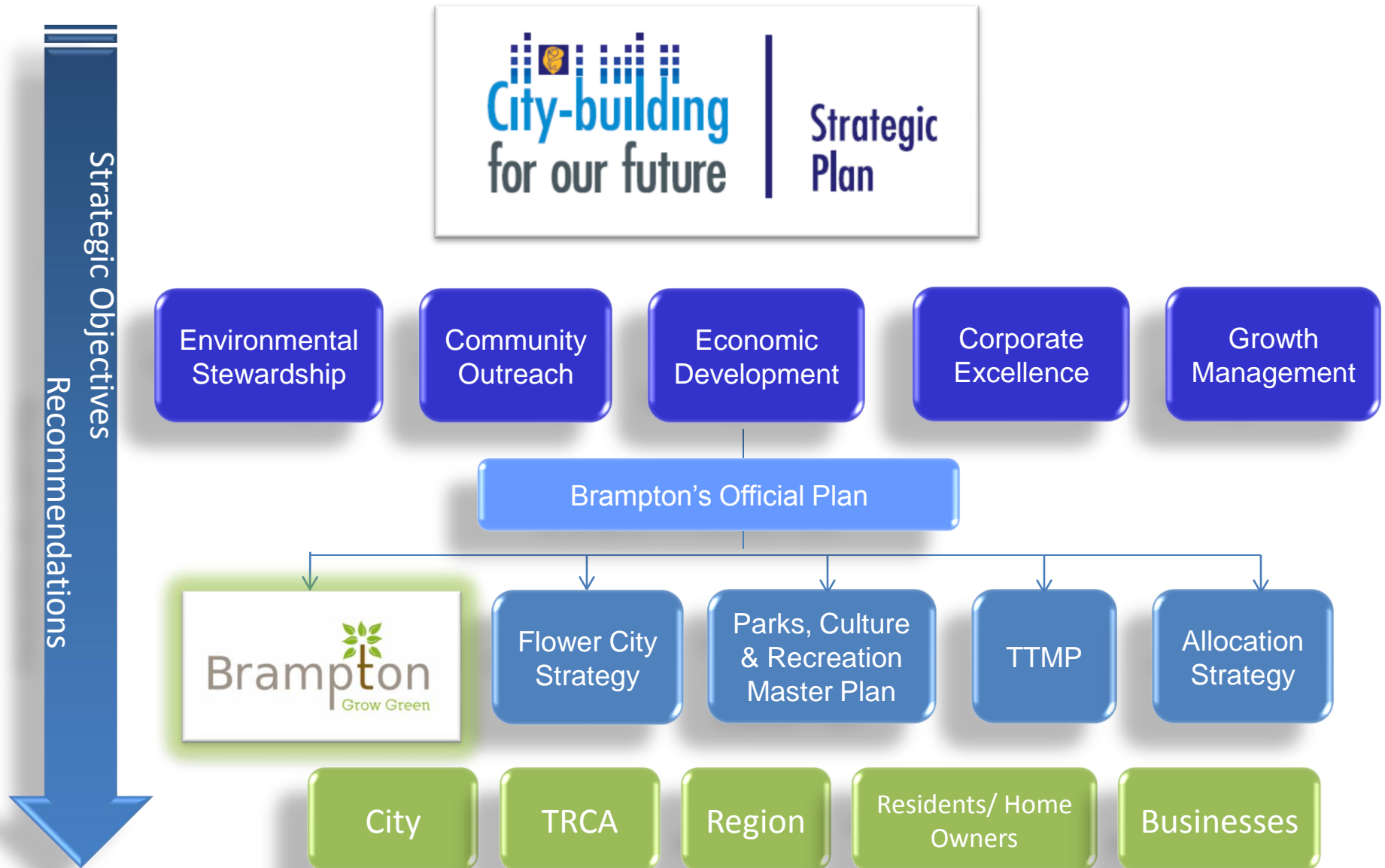
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|----------------------------------------|------------|
| 1. introduction | 5 minutes |
| 2. overview of the EMP study | |
| a) background | 5 minutes |
| b) vision, principles and goals | 5 minutes |
| group discussion | 10 minutes |
| c) environmental performance framework | 20 minutes |
| breakout discussion | 60 minutes |
| 3. next steps | 10 minutes |



Strategic Planning Process



where EMP fits into the City's planning...





what is an Environmental Master Plan?



why are we doing it?

Brampton is no longer
a small town but a
large city ...

Brampton must think
and act in accordance
with its anticipated
growth and its regional
significance



the EMP will contain

vision

a community-based vision for Brampton's environmental future

principles

principles outline the values used to achieve the vision

goals

goals help make the vision happen

metrics

establishing what to measure and where to aim for the future

targets

specific thresholds to assess environmental performance

actions

specific things that can be done to improve environmental performance

strategies

strategies to change the way the community and the City operates

the EMP will be a living document that monitors and communicates the environmental performance of Brampton

keys to implementation

declare and **demonstrate** the City's commitment to the environment as a priority

reposition the City as a leader in sustainable environmental practices

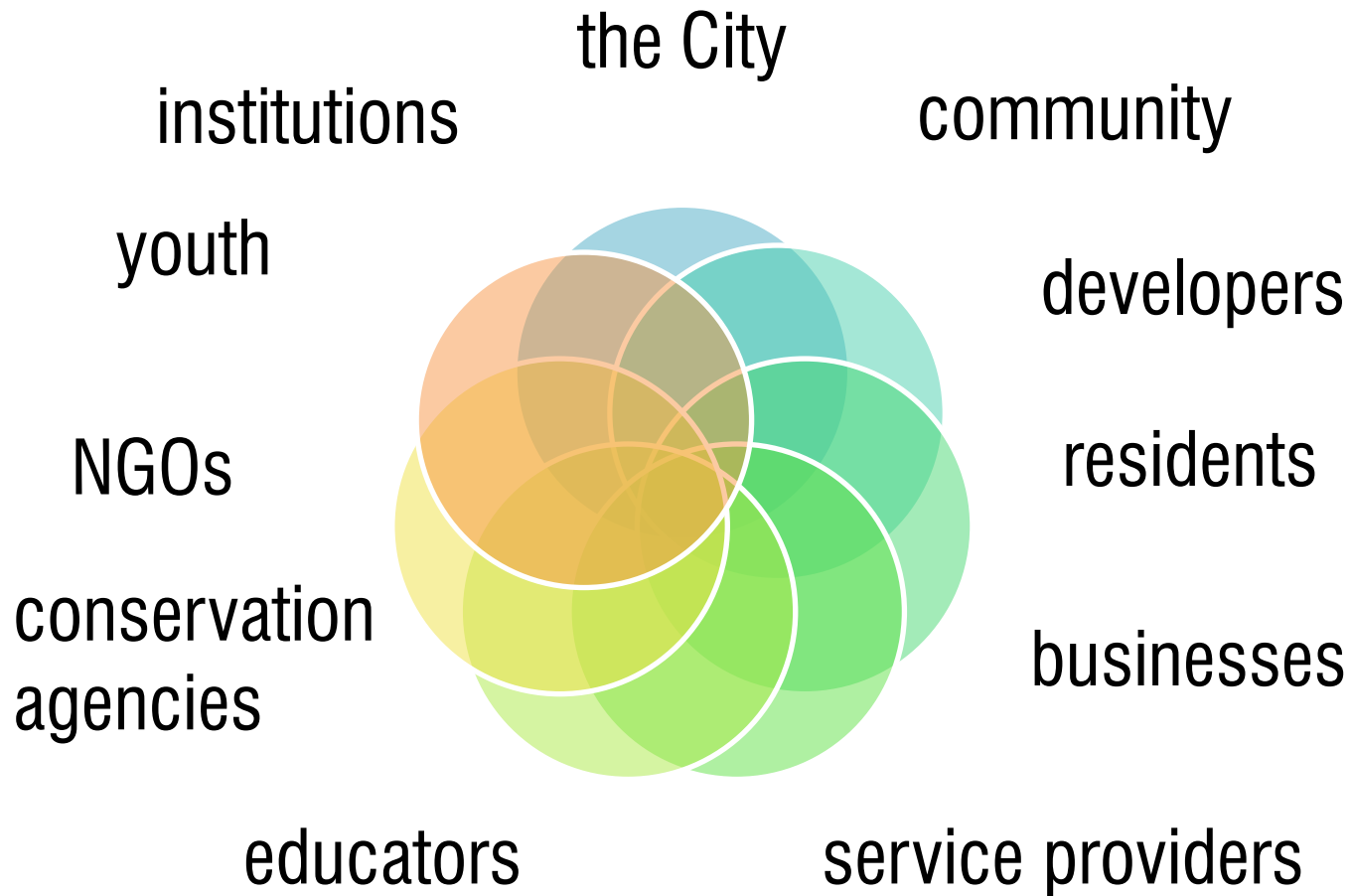
build the capacity/resources/awareness to effect change over time

incorporate key partners

encourage the **community!**

establish a phased approach (implementing and monitoring progress)

key implementation partners





a snapshot of Brampton

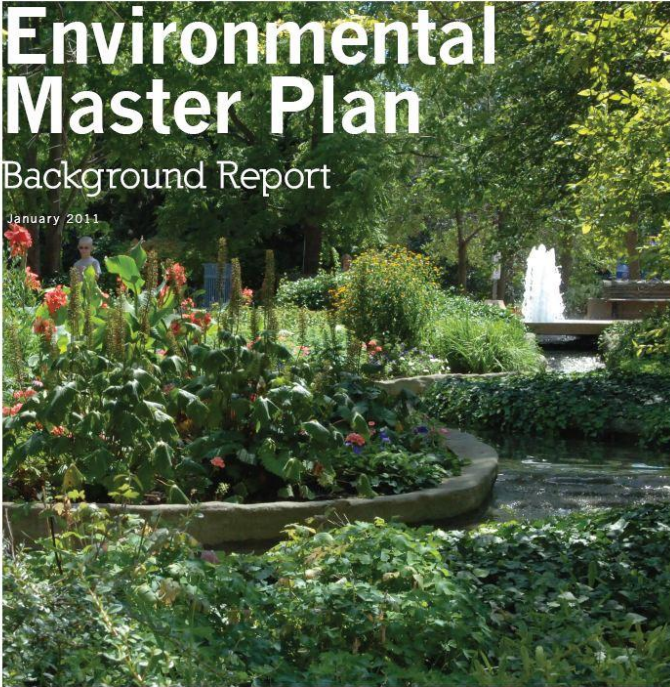


Brampton today

Brampton Grow Green Environmental Master Plan

Background Report

January 2011



URBAN
STRATEGIES
INC.

Halsall

Brampton
Grow Green

BRAMPTON
Flower City

the background report contains:

a review of City documents and reports

a list of environmental initiatives already undertaken

what we heard: stakeholder engagement

environmental characteristics of Brampton

a vision for the environmental future of Brampton

guiding principles

what we've heard this far

some trails provide dead-end connections

city is built for cars with implications for traffic, water and air quality, human health/fitness

create an environmental vision for each community

protect and strengthen natural systems

make the downtown better for cyclists and pedestrians

Brampton has many assets and it's time to think about the value of those assets

environmental characteristics

4 Watersheds and 5 significant valley systems 14 Lakes

4,600 hectares
(11,400 acres) or 18% of the municipal land base currently identified as
natural heritage system 400 parks

960 hectares (2372 acres)
of conservation areas

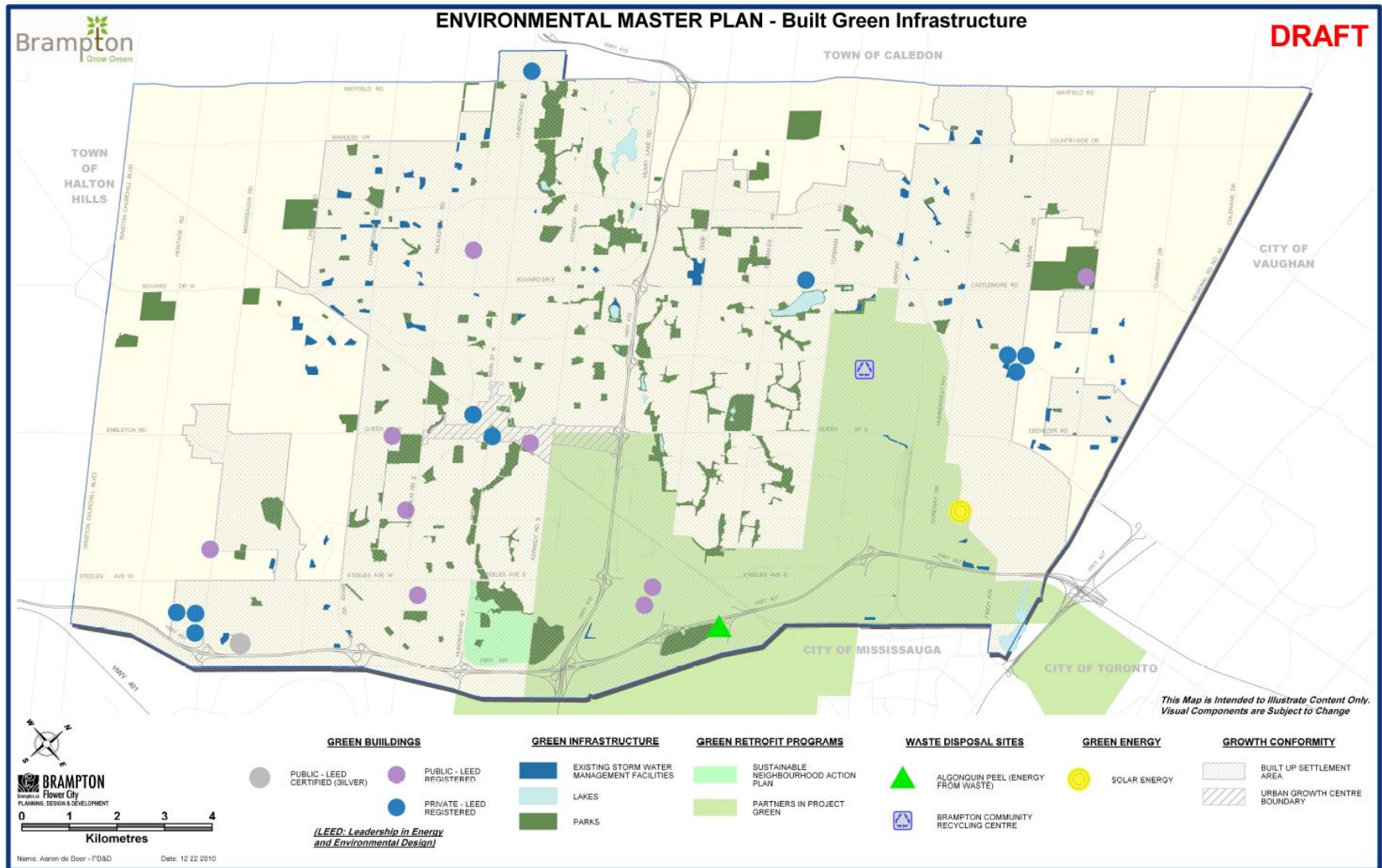
200 hectares (500 acres) of Greenbelt

An average of 11% tree coverage across the City

90 kilometres of existing trails and pathways

150 existing stormwater management ponds

environmental characteristics



environmental initiatives

Over 150 city-led environmental initiatives





defining a vision



the EMP will contain

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vision – what we want Brampton to be

“protect the future: Brampton is a community that will conserve, enhance and balance our natural and built environments to create a healthy, sustainable city. We will carry out our responsibilities to meet the needs of the present community without compromising the ability of future generations to meet their own needs.”

principles – our values

Leadership

We will be innovative, lead by example, and advocate environmental sustainability within and beyond our community. Best practices from around the globe will guide our operations and shape our policies and plans.

Responsibility

We will integrate community and natural systems sustainability into everything we do. We will learn of trends and initiatives beyond our community to better anticipate Brampton's environmental needs and concerns.

Balance

We will achieve our environmental goals within a balanced environmental, social, cultural and fiscal agenda that considers the direct and indirect costs of our actions and inactions.

Accountability

We will be open in our decision-making and actions, and we will monitor, evaluate and report our environmental progress.

Stewardship

We will inform, engage and participate with the community to protect, conserve and enhance our natural and built environments.

Partnership

We recognize the need for, and value of, partnerships with other levels of government, conservation agencies, conservation groups, stakeholders and the community, to deliver and implement environmental programs and activities to improve and benefit the health and diversity of our natural and built environments.

goals - making the vision reality

Invest in PEOPLE to create a healthy, liveable and safe community.

Advance the awareness and engagement of the Brampton community in healthy lifestyles, Environmental stewardship and the green economy to manage choices that impact the built and natural environment.

Reduce impacts on AIR quality.

Improve air quality to reduce human health impacts and limit contributions to climate change.

Protect and respect WATER as a non-renewable, life critical resource.

Conserve water, and manage rainfall and snowmelt as a resource to improve the quality and quantity of water returned to the environment to limit disruption to water flows and contamination of water sources and habitat.

Manage LAND to sustain the natural environment.

Conserve, enhance and use land efficiently to foster healthy communities and ensure diverse, functioning natural heritage systems.

Reduce ENERGY consumption and manage the impact of energy usage on our environment.

Reduce energy use, particularly from non-renewable sources, to limit greenhouse gas emissions, preserve natural habitats and resources, and increase energy security.

Reduce and manage the material considered WASTE.

Reduce waste generation to limit greenhouse gas emissions, preserve habitats and resources and decrease management costs.

discussion

Question:

Do you have any questions or comments on the Environmental Master Plan Vision, Principles and/or Goals?



environmental performance framework

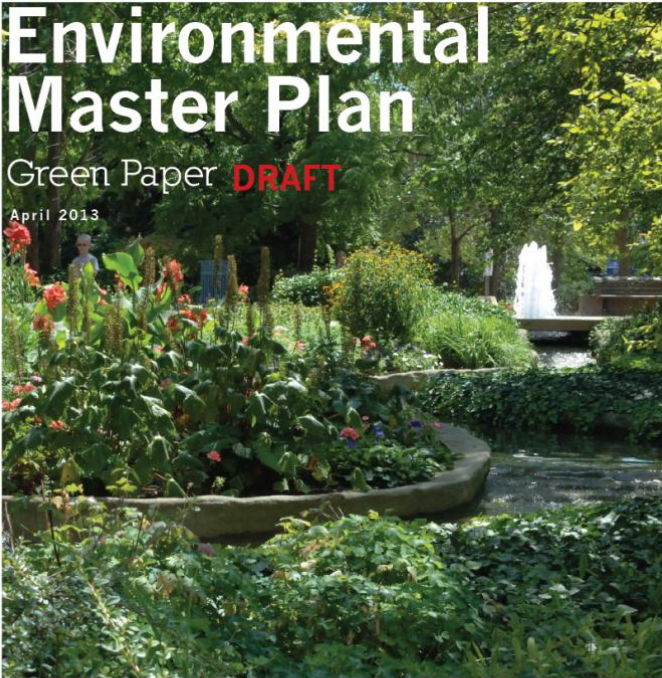


Brampton today

Brampton Grow Green Environmental Master Plan

Green Paper **DRAFT**

April 2013



URBAN
STRATEGIES
INC.

Halsall

Brampton
GROW GREEN

BRAMPTON
Flower City

the green paper provides:

a foundation for the Environmental Master Plan in combination with the Background Report

identifies key elements to improve and monitor the City's environmental performance

- Core Components, Indicators, Metrics and Targets
- Short, Medium and Long Term Actions

corporate implementation strategies to implement the EMP

The purpose of today's EMP workshop

vision

a community-based vision for Brampton's environmental future

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strategies to change the way the community and the City operates

environmental performance framework

Goals:
people

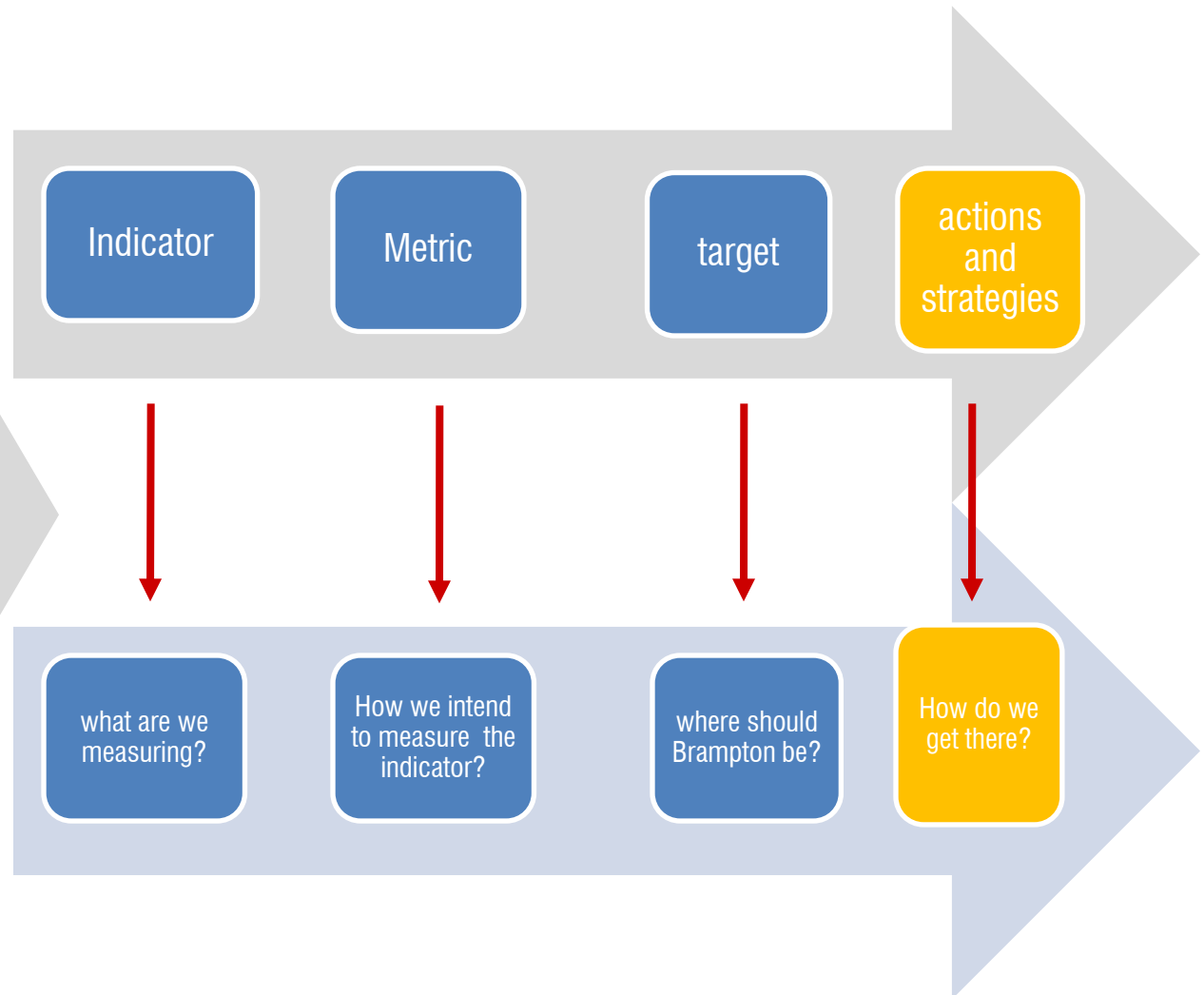
air

water

land

energy

waste



example indicator

waste

OPERATIONAL METRIC	DESCRIPTION	IMPACT AREA	CURRENT PERFORMANCE		TARGET PERFORMANCE		SAMPLE ACTIONS
			Precedents	Brampton	Precedents	Brampton	
WASTE							
Solid Waste							
Solid waste generation: kilograms/capita	Solid waste comprises all the materials in the solid waste stream. It includes both materials sent to landfill and materials diverted from landfill through recycling, reuse, or compost.	Community	Oakville, ON 168kg/cap Nova Scotia 181kg/cap Alberta 288kg/cap Ontario 395kg/cap Canada 283kg/cap	Region of Peel 396kg/cap Source: Long Term Waste Resource Management Strategy, Region of Peel. 2004	St. Albert, AB 2020 125kg/cap Southeast False Creek, BC 200kg/cap	2012: <ul style="list-style-type: none"> Start tracking Brampton specific solid waste generation Determine baseline 2016: 300kg/cap 2020: 200kg/cap	City Partnership: <ul style="list-style-type: none"> Work to develop Brampton specific waste generation baseline Work with local institutions and private business to develop a program that identifies and rewards businesses with exemplary practices for minimizing waste generation Develop and implement a city-wide waste management strategic plan Expand the Green Bin program for organic waste to high density, industrial, commercial and institutional uses
		City	No precedents available	Baseline data to be available in 2012	No precedents available	2012: <ul style="list-style-type: none"> Start tracking solid waste generation for City buildings and facilities Determine baseline Set target for 2016 and 2020 	City Direction: <ul style="list-style-type: none"> Establish environmentally friendly printing practice Develop a municipal tap water campaign to discourage/prohibit usage of bottled water at city facilities

metric

baseline

precedent
target

proposed
target

actions
and
strategies

goal: people



advance the awareness and engagement of the Brampton community in healthy lifestyles, environmental stewardship and the green economy to manage choices that impact the built and natural environment.

what is Brampton doing?

Flower City

Flower City Strategy
Buffer Flower Planting specifications/guidelines
Communities in Bloom
Community Tree Planting Days
Urban Design Awards
Downtown Beautification Program
Gateways Program
Flower City Floral Beds
10 Million Bulb Challenge
Adopt "Your" Tree Program
Tree Dedication Program
Big Tree Challenge (Friends of Claireville)
Brampton Fall Fair
Green Education: Teacher Preparation Package

Brampton Clean City

Spring and Harvest clean-ups and Downtown Clean Sweep
Adopt-a-Park program
GIMME 5
3R's Program
Play Clean
Commissioners Green Challenge

Interest Groups

BEPAC
High School Green Club Council
Mayor's Youth Team
Clean and Green Schools
Clean City Committee
Heart Lake Secondary School

Roberta Bondar Public School: Passionate Earthlings
North Peel Secondary School
Rotary Club of Brampton (Loafer's Lake beautification)
Meadowvale Cremation Gardens
Brampton Horticultural Society
Chingaucousy Garden Club
Eco-Buzz (Peel Environmental Youth Alliance)
Harvest Community Services of Peel
Valleybrook Green Team & Community Stewardship

Food

Brampton Farmer's Market
Community Gardens

Priorities and Directions

Brampton Environmental Planning Advisory Committee
Emergency Management Plans
Environmental Master Plan
Green Procurement Strategy
Green Economic Strategy
Parks Naturalization

other initiatives...

Metro Vancouver: develop a regional food system strategy

Toronto: develop a food strategy

Peel Region: track childhood obesity; map diabetes

goal: air



improve air quality to better human health and limit contributions to climate change.

what is Brampton doing?

Transit

Transportation and Transit Master Plan
Connect 10 – Hurontario Study
AcceleRide Program
BRT Strategic Implementation Plan (ZUM)
SmartDriver
Smart Commute Brampton-Caledon
E-Ride
SmartBus technology
Employee Transit Pass Agreement
Ridership awareness campaign

Fleet

Biodiesel fuel in City vehicles
Green Fleet Plan
Smart Cars and Hybrids
Municipal Fleet Anti-Idling Policy
EPoke
M5/Vehicle software

Active Transportation

Pathways Master Plan
Bike & Ride
Pathways Pocket Book
Pedestrian Safety Plan
Active Transportation Plan
Alternative Design Standards

New Road ROW Standards (bike paths/lanes)
Walk to Work-School Day
Active Transportation Interactive Web-Based Map

Road Operations

LED traffic signals
Solar Panels for Parking Meters
Low-VOC and water-borne paints in traffic markings
Streetscaping Buffer Planting Guidelines
Environmental Assessments

Air Quality

Anti-Idling Policy
Clean Air Partnership/GTA Clean Air Council
Transportation and Transit Master Plan Sustainable Update for the City of Brampton Air Quality

Strategic Direction

Smog Response Plan
Peel Region Air Quality Working Group

precedent initiatives...

Sudbury: discourage the establishment of new drive-thru facilities

Oakville: develop a car sharing and bicycle sharing program

Metro Vancouver, Hamilton: identify areas of reduced air quality, monitored and identified actors to address sources of pollution/implement an air monitoring network

goal: water



conserve water, and manage rainfall and snowmelt as a resource to improve the quality and quantity of water returned to the environment to limit disruption to water flows and contamination of water sources and habitats.

what is Brampton doing?

Stormwater Management

Stormwater Management Master Plan
Stormwater Retrofit Study
Functional Servicing Report Terms of Reference
Draft Low Impact Development Stormwater Management Planning and Design Guideline (TRCA | CVC)
Potable Water
Water Smart Peel
Peel Children's Groundwater Festival (ROP | CVC | TRCA)
Salt Management Plan
Sewage Bylaw

Lakes and Watercourses

City of Brampton Lake Assessment Study
City of Brampton Lake Management and Monitoring
Credit River Fisheries Management Plan
Humber River Fisheries Management Plan, 2005
Yellow Fish Road Program (TRCA)
Watercourse Remediation and Restoration Program
Redside Dace Rehabilitation Project

Watershed Management

Liveable Peel: Ensuring Sustainable Watersheds in 2051 (ROP)
Subwatershed Plan
CVC Watershed Planning and Regulations Policies 2010
Credit River Water Management Strategy Update (CVC)
Credit River Flow Management Study (CVC)
CVC Monitoring Programs: Fletcher's Creek, Effectiveness, Integrated Watershed, Comprehensive Groundwater
TRCA Living City Strategy and Policies
Greening our Watersheds: Revitalization Strategies for the Etobicoke and Mimico Creeks 2002 (TRCA)
Etobicoke-Mimico Watershed Coalition (TRCA)
Humber River Watershed Plan (TRCA)
Listen to River (Humber River Watershed Report) (TRCA)
Humber Watershed Alliance (TRCA)

precedent initiatives...

Edmonton: reuse wastewater by treating it to a level where it can be reused by industry

Sudbury: systematically reduce leakage in water distribution systems

Oakville: develop phosphorous management plans and mechanical/natural stormwater management plans at City facilities

goal: land



conserve, enhance and use land efficiently to foster healthy communities and ensure diverse, functioning natural heritage systems.

what is Brampton doing?

Growth Management Policy

2006 Official Plan
OP Amendment and Growth Plan Conformity
Mount Pleasant Secondary Plan
Strategic Plan: Six Pillars
Growth Management Program
Growth Management Development Review Team

Healthy Communities

Environmental Master Plan
William Osler, Brampton Civic
Emergency Plan Bylaw
Sustainable Neighbourhood Retrofit Action Plan (SNAP)
Heritage Studies and Adaptive Reuse Plans
Downtown Revitalization
Landscape Design Guidelines
Development Design Guidelines
Subdivision Design Manual
Chapelview Housing Development LEED (ROP)
Snelgrove Restoration Plan
Heritage Cemetery Conservation Program
Alderlea Bowstring Bridge Rehabilitation Project
Heritage Property Incentive Grant Program (bylaw)
Cultural Landscape Inventory
Community Improvement Plans
Living City Campaign (TRCA)

Natural Heritage System Planning and Management

2006 Official Plan
Region of Peel Official Plan
City of Brampton Subwatershed Studies (CVC) (TRCA)
CVC Mount Pleasant, Fletcher's Creek, Credit Valley, Northwest Sandalwood
Parkway, Tributary 8B, Bram West
TRCA Countryside Villages, Vales of Humber, Springdale, SP47, Bram East
Brampton Natural Areas Inventory
Watersheds Natural Areas Inventory (ROP) (TRCA) (CVC)
Urban Forest Effects Model Study (UFORE) —
(ROP) (Brampton) (Mississauga) (Caledon) (TRCA) (CVC)
Brampton Urban Forest Management Program
AgPlan Forest Inventory
Arboreal Assessments
Woodlot Management Strategy
Forest Maintenance Manual
Tracking our Tree Inventory
Heritage Tree Proposals
Terrestrial Natural Heritage Strategy (TRCA)
Draft Terrestrial Ecosystem Enhancement Model (TEEM) and Urban TEEM
(CVC)
Brampton Invasive Species Management Program
Invasive Species Strategy (CVC)
Brampton Valley Re-naturalization Program
Main's/Fletcher's Creek Corridor Planting
Greenland Securement Strategies (ROP) (CVC) (TRCA)
Greenland Securement Committee (ROP)
Goose Management

Conservation Areas

Claireville Conservation Area Management Plan Update
Heart Lake Conservation Area Management Plan
Education and Awareness
Adopt "Your" Tree Program
Tree Dedication Program
Big Tree Challenge (Friends of Claireville)
Community Tree Planting Day
Landowner Guides to Natural-Open Space Areas

Environmental Studies and Guidelines

Comprehensive Study Terms of Reference
Environmental Implementation Report
Environmental Impact Study
Woodlot Development Guidelines
Guidelines for the Assessment of Existing Tableland Vegetation

Bylaws and Enforcement

Park-lands Bylaw
Tree Preservation Bylaw
Woodlot Conservation Bylaw
Topsoil Removal Bylaw
Fill Bylaw
Noise Bylaw
Property Standards Bylaw

Public and Open Space

Parks and Recreation Master Plan
Chinguacousy Park Redevelopment
Loafers Lake and Norton Place Master Plans
Fitzpatrick Community Park Development Plan

Employment Lands and Districts

Employment Land Strategy
Pearson Eco-Industrial Park Strategy
Mount Pleasant Station Area
Downtown Revitalization
Central Area Community Improvement Plan

precedent initiatives...

Calgary: integrate planning and management of all natural and human-made public areas and facilities

Metro Vancouver: complete inventory of all significant and endangered wetlands in the region

Calgary: increase the residential population and number of jobs within walking distance (<800m) of LRT stations and major bus zones by 100% and 50% respectively

goal: energy



reduce energy use, particularly from non-renewable sources, to limit greenhouse gas emissions, preserve natural habitats and resources, and increase energy security.

what is Brampton doing?

Facilities

- Recreational Centres & Facilities
- LEED Buildings
- Recreation Facilities Services
- Asbestos Management Program
- Updating electricity & gas procurement strategy
- Lighting retrofits
- Standardize Building Automation Systems & operations
- Building Retrofits

Energy

- Algonquin Power Energy from Waste Facility
- Energy conservation audits
- Rethinking Energy
- Municipal Building Retrofit Program
- Sustainable Procurement/Life Cycle Cost-Based Decision Making
- Energy Consumption and

- Greenhouse Gas Emissions Annual Report
- Energy Awareness for Office & Operational staff
- Energy Consumption Benchmarking – internal/external
- Energy Partnerships
- Preventative Maintenance Programs

other initiatives...

Vancouver: mandate that all new municipal buildings must be LEED Gold

Sudbury: require green buildings standards required for all major construction

Calgary: on target to use 100% green power for municipal purposes by 2012

Ottawa: create a LEED incentive initiative (develop options for incentives for buildings that achieve LEED certifications)

Calgary: develop energy research capability by partnering with universities and colleges

goal: waste



reduce waste generation to limit greenhouse gas emissions, preserve habitats and resources and decrease management costs.

what is Brampton doing?

Fall Leaf Vacuum Program
Long-term Waste Resource
Management Strategy (ROP)
Incineration and Waste Transfer
and Disposal Study
Algonquin Power Energy from
Waste Facility
Peel Organics Composting
Program (ROP)
Hazardous Waste Registration

precedent initiatives...

North Vancouver: recycle nylon City banners into reusable shopping bags

Sudbury: develop a municipal tap water campaign to discourage/prohibit usage of bottled water at city facilities

Toronto, Caledon, Ottawa, York Region, Calgary: adopt a green bin program for organic waste

Calgary: develop producer responsibility programs for end-of-life management of products or packaging

6 EMP goals and 30 operational metrics

People

City & Community Participation

Community Outreach Programs
Rates of Obesity
Recreation Participation
Community Gardens
Access to Local Food

Waste

City & Community Waste Generation

City & Community Waste Diversion

Air

Vehicle Kilometres Travelled

Transit Ridership

Trails

Community GHG Emissions/Per Capita

City GHG Emissions Total

Renewable Energy (onsite & offsite)

Water

City & Community Potable Water Demand

Lakes, Ponds and Streams Water Quality
Stormwater Pond Retrofits
Stream Channel & Corridor Naturalization

Land

City & Community Tree Planting

Natural Heritage System Protected
Biodiversity Restoration

Density (Greenfield, Built, UGC)

Energy

Building Energy Use (Residential, ICI)

City & Community Building Energy Intensity

Prioritizing Metrics

setting targets and monitoring performance is a new process for many municipalities:







criteria chosen to prioritize indicators and metrics included:

- can the metric be scaled
- is the metric reliable
- does the metric build on existing work
- will the metric effect change in short-term
- does the metric affect a large % of the population
- is there significant resource cost/ environmental benefit ratio to achieve the target
- is data collection feasible and reasonable cost

Environmental Performance Framework Prioritization Matrix

	Can the metric be scaled for both City and Community?	Is the metric reliable?	Does the metric build on existing initiatives?	Will the metric help effect environmental change in the short term?	Does the metric affect a large percentage of the population/community?	Is there a significant resource cost/ environmental benefit ratio for achieving the target?	Is the data collection feasible and a reasonable cost /resource?	TOTAL
PEOPLE								
★ Engagement								
Annual participation in environmental activities: Number of people (city+community)	2	1	2	0	2	1	2	10
Education & Awareness								
Number of citizen outreach programs: Number of programs	0	2	2	0	2	0	2	8
Human Health								
Rates of obesity, diabetes, respiratory ailments: Percent of population	0	2	0	0	2	0	1	5
Recreation								
Recreation Participation Rates: Number of participants	0	2	2	0	2	0	2	8
Food								
Urban agriculture: Number of plots	0	2	0	0	0	1	2	5
Access to local food: Percent	0	2	0	0	2	1	2	7
WASTE								
Solid Waste								
Solid waste generation: kilograms/capita	2	1	1	0	2	1	1	8
★ Waste diversion rate: Percent diverted	2	1	1	2	2	1	1	10
AIR								
Transportation								
Vehicle kilometres travelled: (VKT)/capita/day	0	2	2	2	1	1	1	10
★ Transit Riders: Trips/capita	2	2	2	2	2	2	2	14
Trails: Percent of total Master Plan pathways delivered	0	2	2	1	0	0	2	7
GHG Emissions								
★ GHG emissions	2	2	2	2	2	2	2	14
WATER								
Potable Water								
★ Potable water demand	2	2	0	1	2	2	2	11
Stormwater Management								
Lakes, Ponds and Streams: Water quality	0	2	1	0	1	1	2	7
Stormwater management pond and City facilities retrofits: Number of retrofits	0	2	2	1	2	1	1	9
Aquatic Resources								
Watercourse Channel and Corridor Naturalization: Measured in Metres and/or %	0	2	2	0	1	1	2	8
LAND								
Urban Tree Canopy								
★ Number of trees planted per year	2	2	2	0	1	2	2	11
Natural Heritage System: Hectares protected	2	2	2	0	0	1	2	9
Natural Heritage System: Biodiversity restoration and enhancement by hectare	0	0	1	0	0	1	0	2
Built Environment								
★ Density: People and jobs/hectare	0	2	2	1	1	2	2	10
ENERGY								
Energy Demand								
★ Building energy use per capita: Megawatt hour/capita	2	2	1	0	2	1	2	10
Building energy intensity	0	2	1	0	2	1	2	8
Energy Supply								
Energy supply coming from off-site renewable resources: Megawatt hour, percent	2	2	1	0	2	0	2	9
Energy supply coming from on-site renewable resources: Watt/capita, percent	2	2	1	0	2	0	2	9

core performance metrics

Goal	Indicator	Metric	Target
 People	Engagement	Participation in Environmental Activities	Begin Tracking
 Air	GHG Emissions Transportation	GHG Emissions Trips/Capita	27trips/resident Begin Tracking
 Water	Potable Water	Potable Water Demand	Begin Tracking
 Land	Urban Tree Canopy Built Environment	Trees Planted Density	Begin Tracking UGC: 103 pj/ha BA: 42 pj/ha GF :8 pj/ha
 Energy	Energy Demand	Building Energy Intensity	Begin Tracking
 Waste	Solid Waste	Waste Diversion Rate	Begin Tracking

example indicator: solid waste generation

waste

metric

Waste diversion rate:

(% reduction)

Waste diversion rate is the percentage of total materials from the solid waste stream that are diverted from landfill through recycling, reuse, composting or gas production through anaerobic digestion.

Draft EMP Core Performance Targets

WASTE



City Metric: Waste diversion rate

Proposed Initial Actions (2013)

- Develop a Waste Management Strategy to implement and promote waste reduction, reuse and recycling for all City facilities, buildings, streets and parks
- Undertake waste audits and develop a Waste Reduction Plan for each municipal building and facility, including targets and tracking/monitoring
- Develop standard City procurement practices and procedures to minimize waste generation for City operations, including service suppliers
- Develop a comprehensive education program designed to encourage solid waste diversion

Future Actions (beyond 2013)

- Ensure that packaging is returned to material suppliers
- Reuse and recycle City construction material
- Provide recycling bins in all city buildings, streets and parks
- Develop strategies to track, manage, collect and safely dispose of all toxic materials used within City of Brampton facilities and operations

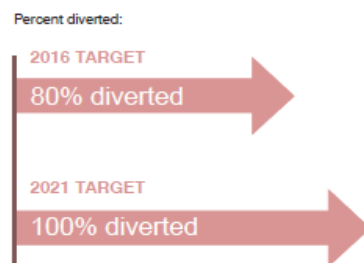
Who are supporting City Departments?

- Buildings & Property Management
- Community Services
- Financial & Information Services

Where is Brampton now?



Where is Brampton going?



Performance of Other Municipalities
Markham: 74%

Brampton's Current Performance Baseline
to be determined

Example Targets
Markham: 100%
Toronto: 70%

Proposed Brampton Target
Baseline to be determined by 2014
80% diverted by 2016
100% diverted by 2021

discussion

focus: prioritizing metrics, targets & actions

With respect to the Environmental Performance Framework: Full List Indicators:

- In reviewing the Indicators and Metrics, are there any additional Indicators and/or metrics that need to be considered for the final Environmental Performance Framework?

With respect to the Environmental Performance Framework: Priority Indicators:

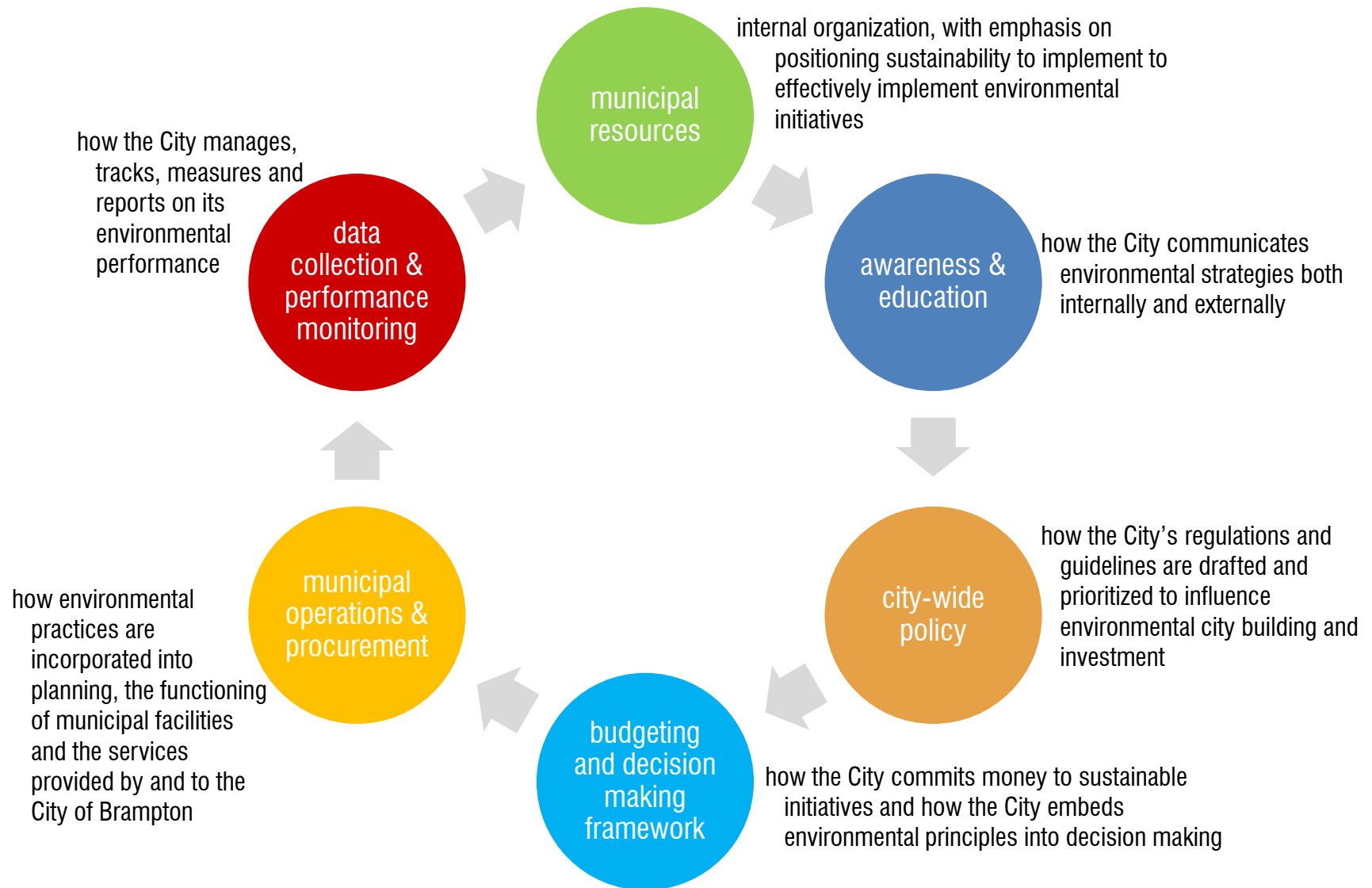
- Are there specific Indicators and/or Metric that the City should prioritize as part of the initial implementation?
- Do you think the proposed targets are realistic?
- Can you identify some actions that should be prioritized in order for Brampton to be an environmental leader?



implementation strategy



key city implementation strategies





next steps



EMP next steps...

vision

a community-based vision for Brampton's environmental future

principles

principles outline the values used to achieve the vision

goals

goals help make the vision happen

metrics

establishing what to measure and where to aim for the future

targets

specific thresholds to assess environmental performance

actions

Specific community and corporate initiatives and activities that can be done to improve environmental performance

strategies

strategies to change the way the community and the City operates

EMP next steps...

- Draft **Grow Green Integrated Implementation and Action Plan** and host additional public consultation meeting(s) in the fall;
- Finalize **Grow Green Environmental Master Plan** to be delivered in **Winter of 2014**, including:
 - Background Report
 - Grow Green Paper
 - Integrated Implementation and Action Plan
 - Develop Baseline for Priority Performance Metrics
 - Propose Targets for Priority Performance Metrics



thank you!

For more information, visit the Master Plan Web
Page at www.brampton.ca

To provide further feedback email
growgreen@brampton.ca