



ADMINISTRATIVE REPORT

Report Date: January 26, 2010
Contact: Sean Pander
Contact No.: 604.871.6542
RTS No.: 8409
VanRIMS No.: 08-2000-20
Meeting Date: February 4, 2010

TO: Standing Committee on Planning and Environment
FROM: Acting Manager of Sustainability
SUBJECT: Greenest City 2020 Implementation Plan

RECOMMENDATION

- A. THAT Council adopt the long-term environmental goals (summarized in Appendix A) recommended by the Greenest City Action Team (GCAT) in their report *Vancouver 2020: A Bright Green Future*
- B. THAT Council direct staff to proceed with the development of a Greenest City 2020 Implementation Plan, as described in Appendix B.
- C. THAT Council direct staff to return with a report outlining how the implementation plans can optimize the targets laid out in the Greenest City Action Team report including any recommended revisions to the targets.

CITY MANAGER'S COMMENTS

The City Manager recommends approval of the foregoing. While the City continues to work aggressively to implement many of the GCAT Quick Start actions, the long-term goals and 2020 targets proposed in the GCAT *Vancouver 2020: A Bright Green Future* report will require a significant realignment of City priorities and the formation of significant new partnerships. Staff need to work together with key partner organisations and the public to determine how best to achieve these goals while simultaneously building a constituency for the new actions that will be required in order to realize the aim of Vancouver being the greenest city in the world by 2020.

COUNCIL POLICY

In October 2009, Council received the Mayor's Greenest City Action Team's *Vancouver 2020: A Bright Green Future* report, which recommended ten year goals and targets for Vancouver to

become the greenest city by 2020. Council approved a motion directing staff to report back with an implementation plan for the recommended actions.

In May 2009, Council received the GCAT *Quick Starts* report, which recommended early actions the City can take to help Vancouver become the greenest city by 2020. Council approved a motion directing staff to report back with an implementation plan for the recommended actions.

In June 2007, Council adopted long-range climate protection targets to reduce greenhouse gas (GHG) emissions by 33% from 2007 levels by 2020.

In June 2007, Council adopted a target of having all new buildings in Vancouver be carbon neutral by 2030.

SUMMARY

The Greenest City Action Team was a mayoral committee of highly respected, independent experts across a range of environmental interests that convened in February 2009 to develop recommendations for Council on quick start actions as well as long-term goals and targets that would enable Vancouver to become the greenest city in the world by 2020.

Staff provided a report reference in September 2009 describing how the recommended Quick Start Actions were prioritized and implementation progress to date. Considerable additional work and progress on these Quick Start actions, particularly relating to green building retrofits, large scale renewable energy projects, organic waste diversion and composting, green economic development and fostering local food systems are planned to move forward in 2010. These actions will make significant contributions towards meeting the longer term Greenest City goals.

Other initiatives, particularly those with significant capital requirements, will be reported to Council in 2010 on a project-by-project basis as plans are finalized and the resources and new strategic partnerships necessary for implementation are identified. As much as possible, these initiatives will be included in the 2010 Capital Budget and reported on separately as needed.

The GCAT 2020 goals are wide-ranging and relate to creating a green economy, climate change leadership, green buildings, green mobility, zero waste, access to nature, a lighter footprint, clean water, clean air and local food.

This report focuses on the goals and targets recommended to the City in the *Vancouver 2020: A Bright Green Future* report and establishes a framework and resources to develop detailed implementation plans towards these. It outlines a process, resources and timeline for developing detailed ten-year implementation plans for each goal. The implementation planning work will be conducted over a nine month period beginning in March 2010 following the Olympics and will involve City staff, industry, academic institutions, non-governmental organisations, and the public.

PURPOSE

The purpose of this report is to seek Council adoption of the GCAT *2020: A Bright Green Future* goals as City policy and to recommend a framework and identify the resources and work program required to develop detailed implementation plans.

BACKGROUND

Vancouver has had a long-standing commitment to the environment. Early efforts, including the Clouds of Change report from 1990, CityPlan in the mid 1990s, the 1997 Transportation Plan, the Cool Vancouver Task Force in 2002, and the adoption of our Community Climate Protection Plan in 2005 have all contributed to Vancouver's liveability and its progress towards a range of environmental interests, particularly those related to climate protection and sustainable transportation. While these efforts have helped establish Vancouver as a leader in North America in a number of areas, significant new actions and an acceleration of actions already underway are needed in order to become the greenest city in the world.

The Greenest City Action Team (GCAT) was launched as an advisory committee to the Mayor in February 2009 and was given a mandate to make recommendations to help Vancouver become the greenest city in the world by 2020. The team, co-chaired by Mayor Gregor Robertson and Mr. David Boyd, consists of two Council liaisons, Councillor Reimer and Councillor Cadman, as well as individuals with broad experience, expertise and interest in climate protection, transportation, land use, green energy, food security, environmental health, biodiversity, economic development and finance. A list of Greenest City Action Team members is provided in Appendix D.

The team was asked to issue two reports to Council: a 'Quick Starts' report on actions that can be implemented immediately, and a comprehensive final report outlining goals and actions to be implemented over a ten year period to 2020. The Quick Starts report was received by Council on May 5, 2009 and the GCAT ten year plan report, titled "Vancouver 2020: A Bright Green Future" was received by Council on October 20, 2009.

Staff provided a report reference to Council on the implementation of the 44 recommended Quick Start actions on September 22, 2009. While these actions were Quick Starts, they are not quick finishes and many of them will play a significant role towards meeting the 2020 goals and targets recommended by GCAT. A total of \$390,000 of existing Sustainability Group or Climate Protection Program operating budget resources have been committed to leverage approximately \$910,000 in partner funding, for a total of \$1.3 million in resources to implement *Quick Start* actions which are currently underway in high priority areas.

Some areas where staff anticipate making significant progress in 2010 include completing a Carbon Neutral Building Strategy, establishing partnerships for large scale renewable district energy projects, developing financial tools to enable building energy retrofits, deploying electric vehicle charging infrastructure, developing a Bike Master Plan, and implementing organic waste collection and composting.

An update on the status of the Quick Start Actions is provided in the table below with additional details on the progress to date and the 2010 work program for continuing the implementation of these actions is provided in Appendix C.

Quick Start Actions: Status	# of Actions
Priority actions underway with significant progress anticipated for 2010	6
Other actions underway with significant progress anticipated for 2010	25
High priority items to be initiated in 2010 -2011	7
Actions not underway, more planning required	6

DISCUSSION

2020 Goals

The GCAT *2020: A Bright Green Future* report includes ten aspirational goals in the areas of green economy, greener communities, and human health. Staff is very supportive of these long-term goals and is recommending that Council adopt them to guide City action and policy development and to help catalyze business and public participation towards becoming the greenest city in the world.

2020 Targets

Each of the ten long-term goals is complemented by a specific and aggressive target (or two) to be achieved by 2020. By their nature, targets help to focus action by establishing metrics to evaluate Vancouver's progress towards the longer-term goals. Staff are very supportive of the goals but require additional time to develop implementation plans in order to determine how we can achieve the goals and specific targets. In the process of developing implementation plans to meet the proposed targets, alternative targets that are consistent with the long-term goals may be recommended for Council's consideration.

Implementation Planning

The goals and targets recommended to the City in the GCAT *2020: A Bright Green Future* report are intended to establish Vancouver as the world's greenest city by 2020. While the City has been demonstrating leadership towards meeting some of the goals, other goals are new and all of the targets are aggressive. In certain cases, attempting to meet these goals and targets will require a strategic re-alignment of City priorities, resources, related work programs and the planning required to do this will be a significant undertaking. Developing a strategic implementation plan that fosters this re-alignment as well as successful partnerships and innovation will require collaboration between the City Management Team and staff, key partner organisations, and the public.

Staff propose that detailed 2020 implementation planning work begin in March of this year, following the conclusion of the 2010 Winter Olympics and will require an estimated nine months to complete. The proposed planning process is outlined below with detailed Terms of Reference for this work included in Appendix B.

Implementation planning would be led by a Greenest City Steering Committee chaired by the Deputy City Manager and would include representatives from Business Planning, Finance, and

a senior manager from each of the lead implementation departments responsible for a given goal. This will ensure accountability and foster ownership of the implementation within key City departments. The Steering Committee will establish inter-departmental staff working groups for each of the goals which will be responsible for developing the implementation plan based on their experience and their assessment of recommendations received from partner organisations and the public.

Each of the staff working groups would establish a Greenest City Advisory Group comprised of key partner organisations to foster alignment with the Greenest City goals and targets to draw upon their expertise and resources for planning and implementation. Staff working groups would be expected to meet regularly with their advisory group to identify and solicit their feedback on potential actions to achieve the goals, share research, etc.

In addition, ideas and input would be solicited through public meetings, the development of an interactive website and other public engagement tools such as digital kiosks. These public engagement tools would be designed to communicate the Greenest City goals, encourage their recommendations on how to meet the goals, and solicit their feedback and gauge their support of the implementation strategies as they emerge.

The City's public engagement efforts will be augmented by the Vancouver Economic Development Commission's GCAT Speaker Series which is an effort to start community-led Greenest City dialogs across Vancouver and presents a unique way capture the thoughts and feedback of the public. The staff implementation team will coordinate with the VEDC's efforts.

The Sustainability Group would be responsible for facilitating this implementation planning process including establishing key planning milestones, organising staff, advisory group and public meetings; developing communication materials and mechanisms; and running the public engagement process in support of the working groups.

FINANCIAL IMPLICATIONS

Developing implementation plans to become the greenest city in the world that engages not only staff but partner organisations and the public is a substantial exercise that will require resources as outlined in the table below:

Temporary Planner II (12 months)	\$95,000
Temporary Planning Analyst (12 months)	\$70,000
Working Group Research	\$50,000
Website Design and Development	\$60,000
Public Workshops	\$15,000
General Communications and Engagement (printing, advertising, digital kiosks, community event presence, etc)	\$50,000
TOTAL BUDGET	\$340,000

The source of funds for this work is the 2010 Sustainability operating budget.

Note that funding from the Provincial Climate Action Rebate Incentive Program (CARIP) will augment the 2010 Sustainability operating budget. These funds are provided annually to local governments that have signed the BC Climate Action Charter and are demonstrating progress towards meeting the goals contained therein. This funding will help to enable the City to move forward simultaneously on implementing GCAT "Quick Start" actions and developing Greenest City 2020 Implementation Plan.

The financial implications of the Greenest City 2020 Implementation Plan will be included in the report back on the plan. As the 2011 Capital and Operating Budgets are likely to be developed prior to the completion and adoption of the Greenest City 2020 Implementation Plan, provisions will be made in these budgets to enable spending on Greenest City initiatives in 2011, contingent upon Council's approval.

PERSONNEL IMPLICATIONS

As existing staff within the Sustainability Group are fully committed to delivering on Quick Start action items, additional temporary staff for up to one year (Planner II and Planning Analyst, subject to classification) will be required to facilitate this planning work.

In addition, this implementation planning will require significant existing staff time from departments throughout the City on the various working groups that must be incorporated into 2010 work programs. This is in addition to the staff resources throughout the City that are already committed to implementing GCAT Quick Start actions.

ENVIRONMENTAL IMPLICATIONS

The development of an implementation plan to achieve the Greenest City 2020 goals will establish a clear roadmap for Vancouver to establish itself as a global leader in climate protection, responsible resource management, and sustainable buildings and transportation systems. It will guide City and citizen efforts towards building neighbourhoods where all citizens can breathe clean air and access both healthy local food as well as high quality public green spaces. The implementation plan will help to strategically realign city initiatives and policy development towards making Vancouver the greenest city in the world by 2020.

SOCIAL IMPLICATIONS

Many of the environmental goals identified by the GCAT have co-benefits related to social sustainability objectives. Implementing the potential actions of a GCAT 2020 Action Plan would contribute to social sustainability by further reducing dependency on carbon-based energy, reducing energy and transportation costs, advancing food security goals, stimulating new jobs and economic activity related to green goals, improving health outcomes, and ensuring improved access to public natural spaces.

Greenest City actions must also be aligned with the City's goals to create more opportunities and a higher quality of life for disadvantaged populations whether this is in the form of energy cost savings for low income households, access to healthy and affordable food or employment in the new green economy.

CONCLUSION

Council has established a bold and ambitious goal for Vancouver to become the greenest city in the world by 2020. The Quick Start actions have helped accelerate a number of efforts that were already underway and has kick-started many new actions. The development of a Greenest City 2020 Implementation Plan will bring into focus the environmental priorities in Vancouver, lead to a strategic shifting of policy and work program priorities, and catalyze new partnerships between the City, local businesses, and the community. Together, these changes will set Vancouver on a course towards a prosperous, healthier and more sustainable future.

* * * * *

GREENEST CITY ACTION TEAM: RECOMMENDED GOALS & TARGETS

Category	Long-term Goal	2020 Target
Green Economy, Green Jobs		
1. Green Economy Capital	Secure Vancouver's international reputation as a mecca of green enterprise.	Create 20,000 new green jobs
2. Climate Change Leadership	Eliminate Vancouver's dependence on fossil fuels	Reduce greenhouse gas emissions 33% from 2007 levels
3. Green Buildings	Lead the world in green building design and construction.	All new construction carbon neutral; improve efficiency of existing buildings by 20%
Greener Communities		
4. Green Mobility	Make walking, cycling, and public transit the preferred transportation options	Make the majority of trips (over 50%) on foot, bicycle, and public transit.
5. Zero Waste	Create zero waste	Reduce solid waste per capita going to landfill or incinerator by 40%.
6. Easy Access to Nature	Vancouver residents enjoy incomparable access to green spaces, including the world's most spectacular urban forest.	Every person lives within a five-minute walk (300m) of a park, beach, greenway, or other natural space. Plant 150,000 additional trees.
7. Lighter Footprint	Achieve a one-planet ecological footprint.	Reduce per capita ecological footprint by 33%.
Human Health		
8. Clean Water	Vancouver will have the best drinking water of any major city in the world.	Always meet the strongest of BC, Canada, World Health Org. drinking water standards. Reduce per capita water consumption by 33%.
9. Clean Air	Vancouver will have the cleanest air of any major city in the world	Always meet World Health Org recommendations for air quality, which are stronger than Canadian guidelines.
10. Local Food	Vancouver will become a global leader in urban food systems.	Reduce the carbon footprint of our food by 33% per capita.

GCAT 2020 Implementation Plan Development Program

TERMS OF REFERENCE

1. INTRODUCTION

1.1 Background

2. PRINCIPLES

3. PRODUCTS

3.1 Master List of Ideas

3.2 Prioritized List of Ideas

3.3 Implementation Plans (draft and revised)

4. PROCESS AND SCHEDULE

4.1 Program Components

4.2 Engagement

5. ROLES

5.1 Overview

5.2 Actors

1. INTRODUCTION

This document contains Terms of Reference for the Greenest City 2020 Implementation Planning Program that will develop detailed action plans for the 10 goals and their related targets proposed by the Greenest City Action Team in their *Vancouver 2020: A Bright Green Future* report.

1.1 Background

In October 2009, Council received the GCAT *Vancouver 2020: A Bright Green Future* report and passed the following motion:

“Vancouver City Council request the City Manager to assess the report along with the Corporate Management Team and report back to Council with recommendations on the practical implementation steps that the City should be taking in order to meet the recommended targets outlined in the report.”

City Staff have worked to create a process to develop the necessary detailed implementation plans to guide work over the next ten years. This Terms of Reference document outlines that process.

2. PRINCIPLES

The following principles set the expectations for the content and process of the Greenest City 2020 Implementation Planning Program.

The Program will:

- 2.1 Work to develop implementation plans inter-departmentally while staff simultaneously continues to advance key GCAT Quick Start action items previously identified.
- 2.1 Engage partner organisations (such as business and industry associations, NGO's, utilities, academic institutions, other levels of government, etc) and the public in a discussion about their ideas for achieving the Greenest City 2020 goals; both what the City should do and what private citizens/partner organisations can do.
- 2.2 Provide a variety of ways for the range of residents and partner organisations to participate in contributing to and reviewing proposed implementation plans.
- 2.3 Recognize City Council's responsibility for approval of proposed implementation plans, capital spending, etc.
- 2.4 Ensure that City Council, before making decisions, is made aware of the range of community opinion, technical information, and any other necessary information.

3. PRODUCTS

The Greenest City 2020 Implementation Planning Program will produce the following products.

Delivering these products will involve many City Departments and staff, including, but not limited to, Engineering, Planning, Social Development, Parks Board staff, and the Sustainability Group.

3.1 Master List of Ideas

All ideas for achieving the 2020 targets gathered during the engagement processes, along with staff working group ideas, will be documented in a master list.

3.2 Prioritized List of Ideas for Each Goal

The master list of ideas will be prioritized and focused based on criteria developed by the Staff Working Groups and Greenest City Steering Committee. These prioritized lists for each goal and target will be the foundation for the Implementation Plans.

3.3 Implementation Plan for Each Goal

Implementation Plans are envisioned as detailed 10 year plans which document the various actions to be taken to achieve each of the 10 GCAT goals and the associated targets, along with the timeline for implementation, metrics for measuring progress, and positions within the City which will have ownership and accountability for the plan and its progress. If in this process, the proposed targets are deemed to be impractical, alternative targets consistent with the goal will be recommended for Council consideration. Draft versions of each plan will be produced and public feedback sought. Plans will be then be revised prior to going to Council for approval.

4. PROCESS AND SCHEDULE

The chart on the following page shows the main components of the Program.

4.1 Program Components

The Program will begin with a large CoV staff workshop (~40 people). Following the workshop, staff will split into Working Groups (one for each goal) which will establish an external advisory group of partner organisations and undertake the detailed Implementation Plan development work, with coordination and support from the Greenest City 2020 Implementation Planning staff team. The Implementation Planning Staff Team will also coordinate public engagement and internal staff engagement efforts throughout the program.

Staff Workshop

The Implementation planning process will be kicked off with a staff workshop attended by the General Managers, relevant branch leads, and other key staff members. This workshop will be a chance for staff to begin discussions on how to move forward with the GCAT 2020 goals and targets. Part of the workshop will include the staff working groups created for each goal breaking out to have initial discussions on their particular topic and develop a list of organisations to invite to join their External Advisory Group.

Staff Working Groups

Following the initial workshop, subsequent work will be handled at the working group level for each goal and target. Each Working Group will consist of key staff from multiple departments with the knowledge and expertise to create the detailed 10 year Implementation Plan for their goal. Each Staff Working Group will be chaired by a senior manager identified by the CMT as being responsible for ensuring that a sound implementation plan is developed for each goal.

External Advisory Group

Each Staff Working Group will be expected to form an External Advisory Group with representatives from key partner organisations that may include industry and business associations, utilities, other levels of Government, NGOs, academia, etc. to provide input and expertise towards the development of the implementation plans.

Greenest City Steering Committee

The Greenest City Steering Committee will be chaired by the Deputy City Manager and will consist of the chairs of each of the Staff Working Groups. This Steering Committee will meet periodically through the development of the Implementation Plans to ensure all the implementation plans are well coordinated, External Advisory Groups are engaged, that the public engagement process is being effective, and that work is proceeding according to schedule.

4.2 Engagement

Achieving the GCAT 2020 goals and targets will require a significant change in how the City operates and how citizens go about their lives. To build ownership of the Greenest City 2020 goals and targets (and subsequent Implementation Plans), an extensive engagement process is needed for City staff, businesses and industry, and the general public. The Implementation Plans must be developed using both public input/ideas and technical expertise of staff and business/industry/academia.

4.2.1 Principles for Engagement:

CORPORATE

- Ensure that Greenest City goals and implementation plans are integrated into city's business plan and department work plans
- build in staff responsibility, accountability, ownership of goals and implementation plans
- integrate efforts across the organization: inter-departmental/inter-disciplinary
- take the time to plan for success over the 10 years, but continue to mobilize key actions while planning

COMMUNITY

- Engage in meaningful dialogue with the general public regarding both what the City can do towards GCAT goals, but also what citizens can do
- engage industry, academia, NGOs, and community to catalyze their own actions
- Build partnerships to achieve independent action

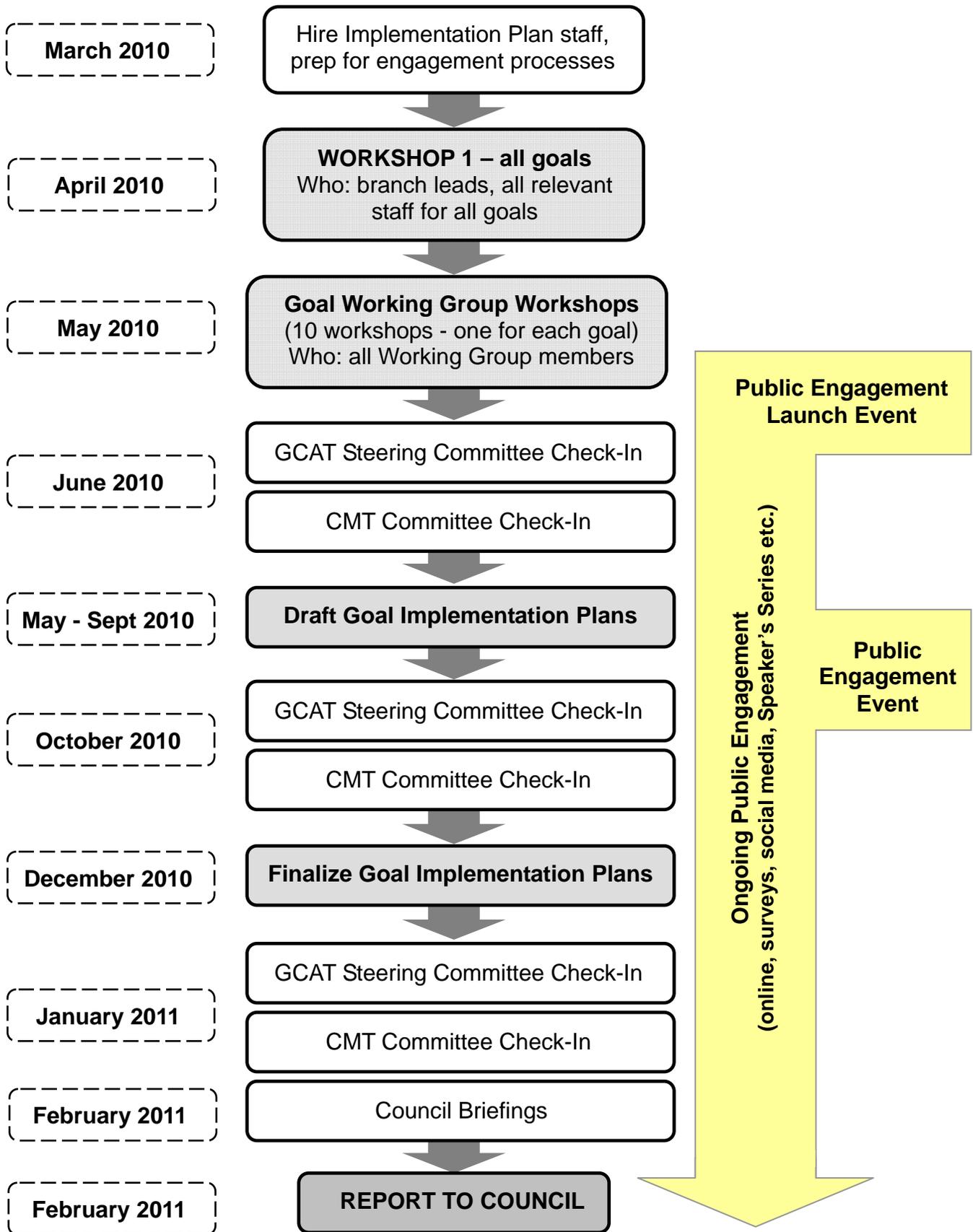
Public Engagement

Residents, property owners, businesses, community groups and others will be interested in participating in the GCAT Implementation Plan Development process to different degrees. The program will include diverse opportunities for participation, geared to levels of interest and roles in the process (see Table).

This engagement will include a kick-off event of some kind, held to increase community awareness of the program, background information, and to gather ideas from the public on how to reach the goals. This event will be followed by a check-in event later in the process to get feedback on draft Implementation Plans. In addition to the public events, efforts will be made throughout the process to engage the public via online and other interactive tools.

The City's public engagement efforts will be augmented by the Vancouver Economic Development Commission's GCAT Speaker Series which is an effort to start community-led Greenest City dialogs across Vancouver and presents a unique way capture the thoughts and feedback of the public. The staff implementation team will coordinate with the VEDC's efforts.

GCAT 2020 Implementation Plan Development Process



5. ROLES AND RESPONSIBILITIES

5.1 Overview

There will be many actors involved in Greenest City 2020 Implementation Planning Program and this section describes their various roles. The summary table is followed by more detail on actors and roles.

	General public/businesses	External Advisory Groups	Greenest City Planning Team	Staff Working Groups	Greenest City Steering Committee	CITY COUNCIL
Manage the process			✓		✓	
Engagement (internal and external)			✓			
Organize and produce events			✓			
Coordinate/maintain online engagement efforts			✓			
Research, provide information		✓	✓	✓		
Generate ideas	✓	✓	✓	✓		
Create Implementation Plans (draft and final)				✓		
Technically evaluate Implementation Plans		✓		✓		
Express preference on ideas, plans	✓	✓				
Advocate plan/ideas to public or Council	✓	✓				
Make recommendations to Council			✓			
Approve Implementation Plans						✓
Take Action	✓	✓	✓	✓		✓

5.2 Actors

General Public/Business

The public at large, including all residents and property owners and businesses and industries with operations in Vancouver.

External Advisory Groups

The External Advisory Groups are small groups (4-9 people) with representatives from key partner organisations such as business and industry associations, other levels of government, NGOs, academia, etc. to act as a body of expertise for the Staff Working Group to consult as they develop their Implementation Plan. Each working group will have its own External Advisory Group.

Greenest City Planning Team

The Greenest City Planning Team will be responsible for overall management of the process, organizing internal and external meetings, and for developing public and running the public engagement in support of the working groups. The Planning Team will be responsible for making recommendations to Council, including providing Council with information on community opinion.

The Planning Team will include Senior Planner and a Planning Analyst and they will report to the Manager of the Sustainability Group.

Staff Working Groups

The staff Working Groups for each goal will be responsible for running consultant studies; generating, documenting, technically evaluating, and revising implementation plans, using External Advisory Group and community input from the engagement process.

Greenest City Steering Committee

The Greenest City Steering Committee will meet periodically through the development of the Implementation Plans to ensure all the implementation plans are well coordinated, External Advisory Groups are engaged, that the public engagement process is being effective, and that work is proceeding according to schedule. They will also make decisions regarding the allocation of the research budget.

City Council

Council allocates resources to undertake the GCAT Implementation Planning, and also has final responsibility for approving the Implementation Plans, any resulting capital spending, new policies, action strategies, and any other items that normally fall within their mandate. In making these decisions they will be fully informed about the options, and about the various community opinions regarding them.

Status of GCAT Quick Starts Implementation

Status	GCAT Quick Start Action	Initiatives
<input checked="" type="checkbox"/> - Action underway; <input type="checkbox"/> - Priority for 2010 -2011; ● - More planning required		
Focus Area 1: Leadership and Empowerment		
<input checked="" type="checkbox"/>	Develop green economic development strategy (Action 1)	<ul style="list-style-type: none"> • VEDC completed a mapping/inventory of green tech (with UBC). • Economic Development Strategy going to Council in early 2010
<input type="checkbox"/>	Establish Greenest City Action Fund (Action 2)	<ul style="list-style-type: none"> • MBA students from the Sauder School of Business will be doing best practices research.
<input checked="" type="checkbox"/>	Commission a Green Tape Review (Action 3)	<ul style="list-style-type: none"> • Report to Council Oct 14, 2008 amended zoning bylaw to remove certain barriers to green building. • Staff is comparing existing bylaws against Passive Design Toolkit advice to find barriers.
<input checked="" type="checkbox"/>	Adopt and Leverage a Green Procurement Strategy (Action 4)	<ul style="list-style-type: none"> • May 5, 2009 Council awarded a contract to a consultant to develop and implement a comprehensive Sustainable and Ethical Purchasing Policy. • Car Share at CoV launched July 2009.
●	Revitalize the False Creek Sustainability Precinct (Action 5)	<ul style="list-style-type: none"> • Council approved (2004) proceeding with a land use and transportation plan for the area, but there is no budget for staff.
<input checked="" type="checkbox"/>	Implement a Green Jobs Pilot Project (Action 6)	<ul style="list-style-type: none"> • West House - long term plan to involve SFU, BCIT, and green tech companies to build new West Houses as part of education and hands-on training program. First West House will be on display during the Olympics. • Solar thermal hot water pilot will create training opportunities and help build a solar industry in Vancouver
<input checked="" type="checkbox"/>	Advocate for Federal and Provincial Stimulus for the Green Economy (Action 9)	<ul style="list-style-type: none"> • Staff have submitted a number of applications for the Clean Energy Fund for SEFC Net Zero building and for electric vehicle charging infrastructure.
<input checked="" type="checkbox"/>	Provide Priority Permitting for Green Buildings (Action 13)	<ul style="list-style-type: none"> • Staff have drafted a strategy for this; expected to go to Council in early 2010.
<input checked="" type="checkbox"/>	Take a Leadership Role on Climate Policy Advocacy (Action 14)	<ul style="list-style-type: none"> • Staff have been active with the Provincial Government while Council has taken a leadership role with FCM and in other venues.
<input checked="" type="checkbox"/>	Offer Greenest City Neighbourhood Grants (Action 15)	<ul style="list-style-type: none"> • Staff are consulting community groups and drafting a report to Council for approval of this grants program. Funding was allocated for this in the 2010 budget.

Status	GCAT Quick Start Action	Initiatives
<input checked="" type="checkbox"/> - Action underway; <input type="checkbox"/> - Priority for 2010 -2011; ● - More planning required		
●	Sponsor a Greenest Neighbourhood Vision Contest (Action 16)	-
●	Co-sponsor a Children's Greenest City Art Contest (Action 17)	-
●	Re-establish the Mayor's Greenest City Awards (Action 18)	-
Focus Area 1: Leadership and Empowerment Cont'd		
<input type="checkbox"/>	Re-invigorate the One Day Social Marketing Program (Action 19)	-
<input checked="" type="checkbox"/>	Increase public Access to Green Space (Action 21)	<ul style="list-style-type: none"> Staff have recommended a number of properties from the PEF be converted to short-term (3-5 yrs) community gardens/green spaces.
●	Keep Vancouver Spectacular All Year Round (Action 33)	-
<input checked="" type="checkbox"/>	Promote Tap Water & Discourage Use of Bottled Water (Action 36)	<ul style="list-style-type: none"> Report to Council in April 2009 on tap water policies/initiatives. Some report-backs still required. Staff are working to expand distribution of the water saver kits. Staff have partnered with the Province of Ontario and Kewl Earth to locate a water wagon on a pedestrian corridor during the Olympics to deliver free tap water to the public.
<input checked="" type="checkbox"/>	Plant the City Hall Organic Community Garden (Action 38)	<ul style="list-style-type: none"> 30 garden plots opened in June 2009.
<input checked="" type="checkbox"/>	Map Toxic Hotspots (Action 42)	<ul style="list-style-type: none"> City supported proposal for national toxic use reduction project (including mapping Vancouver) by CAREX Canada submitted to Canadian Partnership Against Cancer in July 2009.
●	Enact a Toxics 'Right to Know' Bylaw (Action 43)	-
Focus Area 2: Energy and Green Buildings		
<input checked="" type="checkbox"/>	Require Green Building Retrofits (Action 7)	<ul style="list-style-type: none"> Report to Council in progress recommending that renovations requiring permits for 1 & 2 family dwellings have environmental performance requirements. Requiring upgrades when a property is sold would require changes to Vancouver Charter.
<input checked="" type="checkbox"/>	Create a Solar Thermal Hot Water Pilot Project (Action 8)	<ul style="list-style-type: none"> Parks Board is having the Brockton Oval system installed. Approved by Council in 2009, the City is launching a pilot solar thermal hot water project for new construction in 2010, in partnership with Solar BC, Terasen Gas, and

Status	GCAT Quick Start Action	Initiatives
<input checked="" type="checkbox"/> - Action underway; <input type="checkbox"/> - Priority for 2010 -2011; ● - More planning required		
		Offsets.
<input checked="" type="checkbox"/>	Engage Large Emitters in Reducing GHG Emissions (Action 10)	<ul style="list-style-type: none"> • Studies completed with Rogers' Sugar, Molson, and West Coast Reduction. Program to engage large emitters and small/medium companies to take action is in development.
<input checked="" type="checkbox"/>	Develop an Integrated Energy Strategy (Action 11)	<ul style="list-style-type: none"> • Staff working to map out a strategy for carbon neutral buildings by 2030. • Feasibility study for EFL NEU underway. • Renewable energy study for NEFC/Central underway. • Building energy use benchmarking study underway. • Work to establishing new financing tools for green buildings underway. • Renewable Energy Planner hired Nov 2009. • Hospital precinct district energy feasibility studies planned for 2010.
<input checked="" type="checkbox"/>	Pursue an Adaptive LED Street Light Pilot Project (Action 12)	<ul style="list-style-type: none"> • Pilots underway in Yaletown and on 37th Ave. Report to Council expected in 2010.
Focus Area 3: Transportation		
<input checked="" type="checkbox"/>	Make Streets Safer for Pedestrians and Cyclists (Action 24)	<ul style="list-style-type: none"> • Report to Council in 2010 will identify and seek approval for trial routes for protected bike lanes. • On June 2, 2009, Council approved implementation of 30-km/h speed limits on local street bikeways. Sign installation is underway. • Dec 3, 2009 Council approved snow and ice treatment for all bicycle routes in the city and required snow and ice clearance of all sidewalks to improve pedestrian safety. • Burrard Bridge bike lane reallocation is ongoing, staff will report back in 2010 with options for permanent improvements. • Reducing speed limits to 40km/hr requires change to Provincial Motor Vehicle Act - staff are working with regional groups to achieve this.
<input type="checkbox"/>	Create a Public Bike Sharing Program (Action 25)	<ul style="list-style-type: none"> • Preliminary work underway to draft a report to Council on public bike share plan
<input checked="" type="checkbox"/>	Enable Electric Mobility (Action 26)	<ul style="list-style-type: none"> • Electric Vehicle Charging report approved by Council July 2009 includes requirements for multi-family buildings, pilot public charging station. • EasyPark launched a pilot program offering free charging and discounted parking rates to

Status	GCAT Quick Start Action	Initiatives
<input checked="" type="checkbox"/> - Action underway; <input type="checkbox"/> - Priority for 2010 -2011; ● - More planning required		
		<ul style="list-style-type: none"> electric plug-in vehicles. City has one of the first Japanese production fully electric vehicles (the iMieV). Also getting a Nissan Leaf hybrid vehicle in 2011 and 1 hybrid bucket truck. Staff are working with academic institutions and others to join RMI's Project Get Ready.
<input checked="" type="checkbox"/>	Build on Olympic Transportation Initiatives (Action 27)	<ul style="list-style-type: none"> Outreach planned for schools for Olympics (CoV + TransLink). Resources insufficient to reach 90% target, however. Staff will be monitoring effects of changes to street network to inform transportation planning post-Olympics.
<input checked="" type="checkbox"/>	Conduct Car-Free Vancouver Trials (Action 28)	<ul style="list-style-type: none"> Summer Spaces events were held in several neighbourhoods over the 2009 summer season. A report back to Council is expected in 2010.
<input checked="" type="checkbox"/>	Advocate for Investments in Public Transit (Action 29)	<ul style="list-style-type: none"> Staff working with TransLink + consultants on Broadway corridor study. There was a report back to Council Jan 2009 on the effects of all-door boarding on the 99 B-Line. Signal priority installed at ~25 intersections on Main St as part of the Main St. Showcase project - currently in final testing phase.
Focus Area 4: Food Security, Water and Waste		
<input checked="" type="checkbox"/>	Encourage Landscaping with Native Plants (Action 20)	<ul style="list-style-type: none"> Native plants and xeriscape planting is already promoted through programs such as Green Streets, Blooming Boulevards, Community Gardens, Van Dusen Gardens public information sessions, and VCC courses.
<input checked="" type="checkbox"/>	Restore Shoreline and Inter-tidal Zones (Action 22)	<ul style="list-style-type: none"> Existing annual TD Great Canadian Shoreline cleanup happens every Sept (across Canada). CoV is not a partner. The Fraser River Trail city-wide greenway is being completed as opportunities come available. Herring spawning reported in False Creek in 2009.
<input checked="" type="checkbox"/>	Advocate for a Healthy Pacific Ocean (Action 23)	<ul style="list-style-type: none"> Park Board pursuing a number of salmon habitat programs in partnership with other organizations
<input checked="" type="checkbox"/>	Implement City-wide Composting (Action 30)	<ul style="list-style-type: none"> Staff are preparing a report to Council on expansion of the curb-side composting program to include food waste. Expansion of backyard composter distribution would require an increase in resources.
<input type="checkbox"/>	Shift to bi-weekly garbage collection (Action 31)	-

Status	GCAT Quick Start Action	Initiatives
<input checked="" type="checkbox"/> - Action underway; <input type="checkbox"/> - Priority for 2010 -2011; ● - More planning required		
<input type="checkbox"/>	Tackle packaging waste (Action 32)	<ul style="list-style-type: none"> • Business case has been analysed and will be brought to Council after the Olympics. • Corporate waste diversion strategy development is planned for 2010.
<input checked="" type="checkbox"/>	Advocate Waste Reduction Laws & Policies (Action 34)	<ul style="list-style-type: none"> • Staff and Council working with Metro Vancouver
<input checked="" type="checkbox"/>	Expand the Distribution of Water Saver Kits (Action 35)	<ul style="list-style-type: none"> • Expansion efforts underway include direct sales at outreach events, investigating selling kits at community centres and online.
<input checked="" type="checkbox"/>	Advocate Expedited & Integrated Wastewater Treatment (Action 37)	<ul style="list-style-type: none"> • Staff and Council working with Metro Vancouver
<input checked="" type="checkbox"/>	Allocate Additional Land for Community Gardens and Orchards (Action 39)	<ul style="list-style-type: none"> • Orchards in City Parks: Sunset park (29 trees), Douglas park (13 trees), New Brighton park (50 trees) • June 2009 Council approved funding for several community garden locations along 37th Ave Greenway. Currently under construction. • UBC Faculty of Land and Food Systems has proposed a project to encourage more gardens on school lands in Vancouver.
<input checked="" type="checkbox"/>	Support Farmers Markets (Action 40)	<ul style="list-style-type: none"> • Staff are acting as facilitators to assist Farmers Markets through City processes. • Resources are needed to address the barriers more comprehensively.
Focus Area 4: Food Security, Water and Waste Cont'd		
<input type="checkbox"/>	Edible Landscaping Policy (Action 41)	Staff are proposing funding the development of a white paper on this topic in advance of policy development work.
<input type="checkbox"/>	Strengthen Protection from Pesticides (Action 44)	-

Greenest City Action Team Members

Name	Title, Organization
Co-Chair: Gregor Robertson	Mayor, City of Vancouver
Co-Chair: David R. Boyd	Environmental Lawyer, Trudeau Scholar, University of BC, Adjunct Professor, Simon Fraser University, Research Associate with POLIS Project on Ecological Governance, University of Victoria
Council Liaison: David Cadman	Councillor, City of Vancouver
Council Liaison: Andrea Reimer	Councillor, City of Vancouver
Dr. Penny Ballem	City Manager, City of Vancouver
Linda Coady	Vice President, Sustainability Vancouver Organizing Committee for the 2010 Olympic and Paralympic Winter Games
Lindsay Cole	Director, Sustainability Solutions Group
Karen Cooling	National Staff Representative, Western Region of the Communications, Energy and Paperworkers Union of Canada, Treasurer, Toxic Free Canada
Mike Harcourt	Honorary Chair of the International Centre for Sustainable Cities, and Co-Chair of the International Panel of Advisors, 2007, Consultant, Translink, Associate Director, Centre for Sustainability, Continuing Studies at UBC, Honorary co-chair, University of British Columbia's Advisory Council on sustainability and on Canadian Electricity Association's Sustainable Electricity Program Advisory Panel, Chairman, Quality Urban Energy Systems of Tomorrow (QUEST).
Cheeying Ho	Executive Director, Whistler Centre for Sustainability
Mark Holland	Planner & Principal, HB Lanarc Consultants Inc.
Alex Lau	Vice President, Golden Properties Ltd.
Linda Nowlan	Environmental Lawyer and Consultant
Gordon Price	Director, Cities Program, Simon Fraser University
Moura Quayle	Former Commissioner, Pacific Coast Collaborative Commission Province of British Columbia, Professor, UBC Sauder School of Business
Robert Safrata	CEO, Novex Delivery Solutions
David Suzuki	Co-Founder of the David Suzuki Foundation, award-winning scientist, environmentalist and broadcaster
Mossadiq S. Umedaly	Former Chairman, BC Hydro
Tamara Vrooman	Chief Executive Officer, VanCity