



Proposed Climate Action Plan

Governance and Priorities Committee
April 22, 2010



Victoria Sustainability Framework

Climate Change and Resiliency

Climate Action Plan

Community E+E and Resiliency

Corporate E+E and Sustainability

Climate Resiliency Plan

Corporation as key community stakeholder

Carbon Neutral Plan

Internal key climate stakeholders
 Sustainability
 Planning
 Engineering
 Parks
 Finance
 Communications

External key climate stakeholders
 CRD
 Senior government
 Utility companies
 BC Transit
 Research and academia
 Businesses + residents

Examples of Key Stakeholder Groups

Internal key climate stakeholders
 Sustainability
 Engineering
 Finance
 Parks
 Fire
 Police

External key climate stakeholders
 CRD
 Senior government
 Utility companies

Bill 27 Green Communities
 Provincial legislation extending authorities and responsibilities of local governments to climate action

Related Legislation and Strategic Partnerships/ Programs

Climate Action Charter
 Province and UBCM with commitment to carbon neutrality by 2012 from 177 BC municipalities
CRD Intergovernmental Local Government Climate Action Team

- Interrelated Strategic Planning Documents**
- VSF
 - Corporate Strategic Plan
 - OCP
 - Downtown Core Area Plan
 - Transportation Demand Management Strategy
 - Greenways and Bicycle Master Plans
 - Transportation Master Plan
 - Utilities Master Plans
 - Parks Master Plan
 - Urban Forest Management Plan
 - Asset Management Plan
 - Capital Plans
 - Business Plans
 - etc.



Purpose of Climate Action Plan



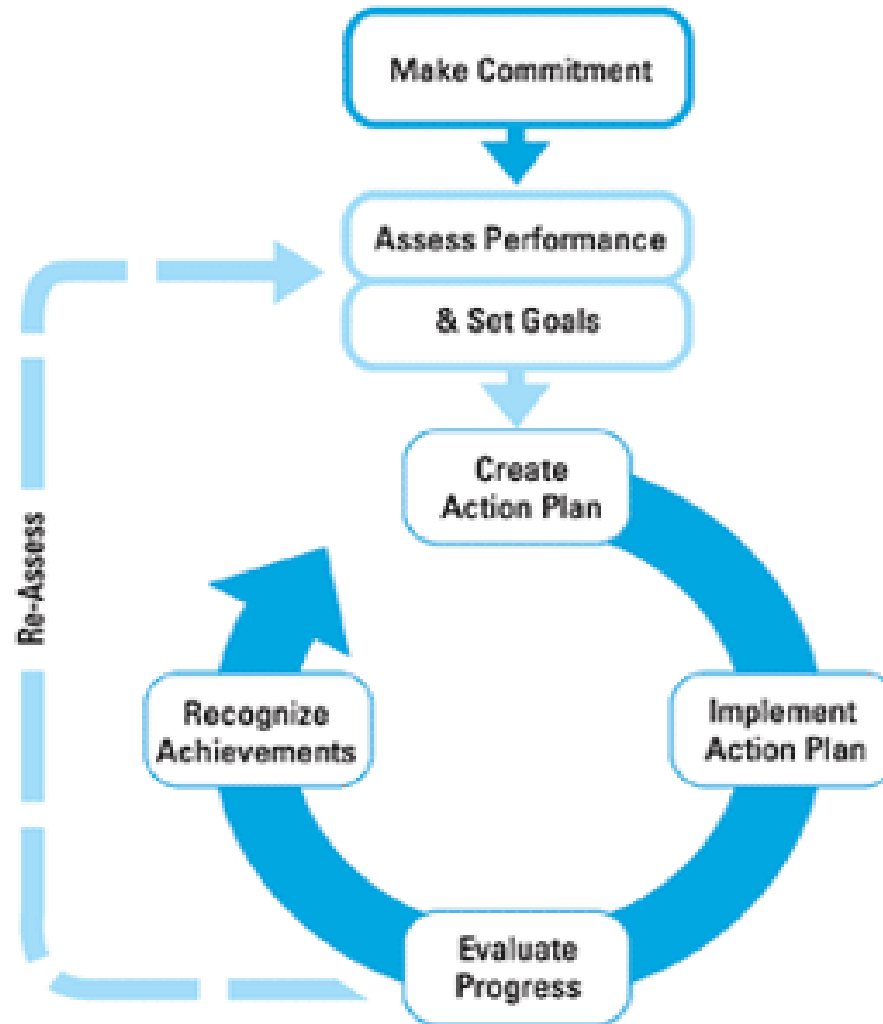
- Integrates with existing and proposed planning and risk management at the City;
- Develop cohesive response to climate change; (mitigation/adaptation, local/global, public/private, city corporation/community)
- Originate a thoughtful, comprehensive, prioritized and phased strategy for climate action; and
- Create central repository for climate change data (current and projected), targets including policies and actions, description of methodology and establishment of protocol for measurement, monitoring and verification, updating plan and reporting, and;
- Initiate the dialogue - Will include internal and external consultation process.



Components of the Climate Action Plan

Climate Change component	Corporate	Community
Roadmap to a...	Carbon neutral government	Low carbon climate resilient community
Relevant Legislation/Commitment impacting Local Governments	Climate Action Charter	Bill 27 Green Communities Act
Municipal operations E+E baseline and projected	Yes	Yes (folds Corporate into Community)
Community E+E baseline and projected	No	Yes
Climate mitigation (reduction) and adaptation strategies	Yes	Yes
Offsetting policy	Yes	No
Action plan and priorities	Yes	Yes

Climate Action Planning





Terminology



- **Carbon Neutrality** - refers to reducing a local govt's GHGs as much as possible and balancing remainder through the purchase or production of qualified offsets
- **Climate Resiliency** - a climate resilient community refers to reducing vulnerability to climate change by building *adaptive capacity*.
- **Adaptive Capacity** = Ability of the built, natural and human systems to accommodate *climatic change* with minimum disruption or minimum additional cost
- **Climatic Changes:** in Victoria, is characterized by:
 - Extreme events
 - Increasing temperatures
 - Increasing precipitation
 - Sea level rise
- **Climate Action Strategies:**
 - **Mitigation** – Reducing energy and emissions to mitigate future climatic changes caused by human activity
 - **Adaptation** – Adapting to the impacts of climate change already emerging today and building resiliency to address greater future impacts



Purpose of Corporate Carbon Neutral Plan



1. Measure and report on corporate energy consumption and greenhouse gas emissions [as required by Carbon Tax Rebate (CARIP), and to be required for other future funding requests],
2. Roadmap for prioritized action towards carbon neutrality by 2012, voluntary commitment under Local Climate Action Charter,
3. Establishment of consistent, comparable, and credible climate data,
4. Integration of Carbon Neutral target, policies and actions into City projects, department business plans and budgets, and;
5. Lead community climate action by example.

Corporate Carbon Neutral Planning

Steps	Components of Corporate Carbon Neutral Plan
1. Measurement	<ul style="list-style-type: none">–Establish protocol for measuring corporate energy consumption and greenhouse gas emissions*–Compile inventory of E+E*
2. Reduction	<ul style="list-style-type: none">–Establish targets, policies and actions leading to carbon neutrality–Develop projections for E+E*
3. Offsetting	<ul style="list-style-type: none">–Develop policy for credible and verifiable offsetting.–Develop projections for offsetting costs*
4. Reporting	<ul style="list-style-type: none">–Establish progress monitoring and review protocol*–Identify reporting requirements*

* Assemble assistive tools for measurement, monitoring, and communications



Purpose of Community Climate Resiliency Plan



1. Measure and report on community energy consumption and greenhouse gas emissions,
2. Compilation of comprehensive and credible local climate change data and projections,
3. Establishment of targets, policies and actions for reducing greenhouse gases, as required for inclusion in OCPs by Bill 27 Green Communities Act,
4. Prioritized roadmap for building adaptive capacity and reducing community vulnerabilities to impacts of climate change,
5. Integration of Climate Resiliency Plan into City projects, department business plans and budgets, and;
6. Identification and activation of key climate stakeholders for collaboration.

Components of Climate Resiliency Plan

Steps	Components of Climate Resilient Plan
1. Measurement	<ul style="list-style-type: none"> •Establish protocol for measuring community energy consumption and greenhouse gas emissions* •Compile inventory of E+E*
2. Preparedness	<ul style="list-style-type: none"> •Impacts identification •Vulnerability Assessment (sensitivity/adaptive capacity) •Risk Assessment (likelihood and consequence)
3. Action Plan	<ul style="list-style-type: none"> •Actions generation and prioritization
a) Reduction	<ul style="list-style-type: none"> •Establish targets, policies and actions leading to low carbon community •Develop projections for E+E*
b) Adaptive Capacity	<ul style="list-style-type: none"> •Coordination and integration of climate action into other City planning and risk management
4. Reporting	<ul style="list-style-type: none"> •Establish progress monitoring and review protocol* •Identify reporting requirements*

** Assemble assistive tools for mapping, measurement, assessment, implementation, monitoring, and communications*





Next Steps



1. Amend OCP to meet Bill 27 Green Communities requirement to include in OCPs by May 31, 2010 targets, policies and actions for reducing greenhouse gas emissions.
2. Build internal capacity for development of the two Climate Action Plans by hiring two contract positions for corporate energy and community energy (funded one half by BC Hydro) for a two year period (now thru 2012).
3. Get planning - Develop Carbon Neutral Plan and Climate Resiliency Plan.
4. Integrate Climate Action Plan strategies and actions into existing and proposed plans – VSF, Corporate Strategic Plan, OCP, TDM, Transportation Master Plan, Utilities Master Plan, Asset Management, Parks Master Plan, Urban Forest Management Plan, Capital plans, Business plans.