

# City of Toronto

## Electric Vehicle Working Group

---

### Mobilizing Internally to Develop EV Friendly Policies and Programs for City of Toronto Residents and Businesses

By: Cecilia Fernandez, Research Analyst

Toronto Environment Office

Date: January 21, 2011



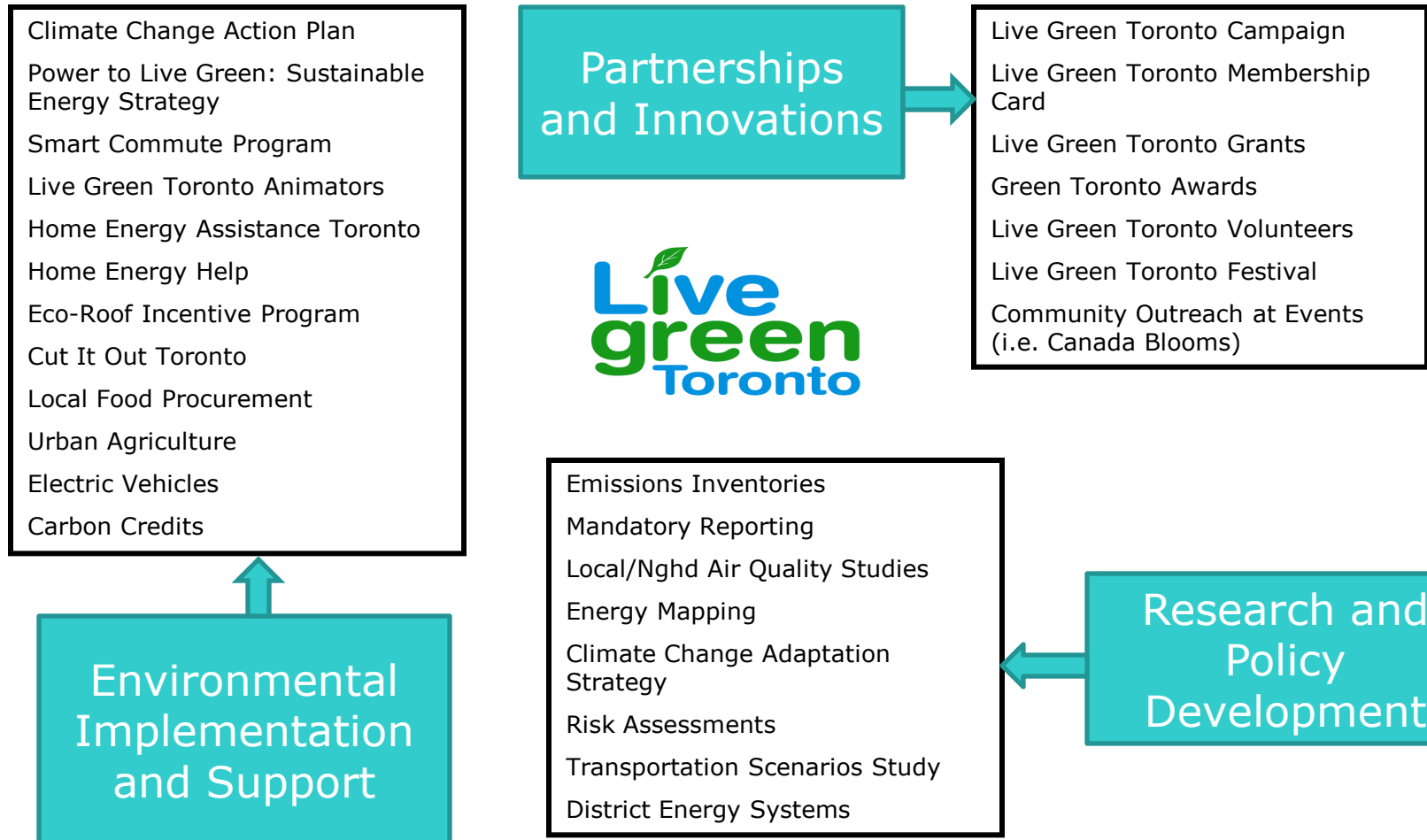


# Context for Infrastructure Development

---

- Rapid international growth in development of EVs by major car companies
- Growing consumer demand for residential charging infrastructure and charging stations at work and across city
- Provincial public policy and financial support of EVs
- Growing public and political pressure on municipalities to establish public policy and support infrastructure development
- Green economic development opportunities
- EVs part of green fleet procurement

# The Toronto Environment Office



# Context: Commitment to EV Infrastructure Development

---

## Timeline

**December 2009:** “Climate Summit for Mayors” in Copenhagen, the City of Toronto announced its commitment to participate in the C40 Electric Vehicle Network.

**November 30-December 7, 2009:** City Council adopted “The Power to Live Green: Toronto’s Sustainable Energy Strategy” <http://www.toronto.ca/legdocs/mmis/2009/cc/decisions/2009-11-30-cc42-dd.htm> specifically section “Sustainable Transportation and Deployment of Electric Vehicle Infrastructure”

---

### **In January 2010:**

The City of Toronto formed an Electric Vehicle Working Group (EV WG) made up of representatives from five City Divisions, Toronto Hydro, four provincial ministries. The WG is co-chaired by the Toronto Environment Office and the Toronto Atmospheric Fund.



# Mandate and Objectives of the Working Group

---

- Maintain the principles of sustainable transportation in policy and planning eg. Prioritize net zero energy modes
- Analyze mobile source emissions to help inform the design of and priorities for mitigation measures
- Integrate where appropriate to City operations the use of Evs in the City's Green Fleet Plan
- Building upon the existing work of the City of Toronto, the Toronto Atmospheric Fund, Toronto Hydro and others, to initiate and undertake economically viable actions necessary to support and facilitate the utilization of electric powered motor vehicles in corporate and commercial fleets; and
- Consider during the 2011 review of the City's Official Plan policy those actions that will help advance infrastructure requirements for and deployment of electric vehicles.

# City Divisions

---

City Division	Area of Interest
Economic Development	✓ Supply chain
Fleet Services	✓ Incorporation of EVs into City Fleet ✓ Charge station location for Fleet vehicles
City Planning	✓ Zoning issues for public charging stations ✓ Toronto Green Standard ✓ Official Plan
Transportation Services	✓ Right of way ✓ Signage and “Street furniture” ie.design guidelines for charging stations ✓ Snow removal ✓ Street parking
Toronto Environment Office	✓ GHG Emissions Reduction

# City Agencies, Boards, Corporations, and Commissions

---

City ABCCD	Area of Interest
Toronto Atmospheric Fund	EV300; infrastructure planning
Toronto Hydro	Grid impact
Toronto Parking Authority	Charging stations in Green "P" parking lots
Toronto District School Board	Explore potential for location of charging spots in their lots
Waterfront Toronto	Information sharing and charging spot location

Yet to be engaged: Parks, Forestry and Recreation; Toronto Public Libraries, Toronto Transit Commission, Facilities Management, Toronto Building

# Activities to Date

---

- 7 Meetings: focused on interdivisional information sharing; specific topic presentation – Nissan, Toronto Hydro
- 8 other meetings separately with other stakeholders – eg. Coulomb Technologies, Ministry of Transportation
- Posting of EV Page on City Web page which is linked to Live Green Toronto web page  
[http://www.toronto.ca/environment/transportation\\_ev.htm](http://www.toronto.ca/environment/transportation_ev.htm)
- Posting of the Comment Wall to advertise what City of Toronto is doing about EVs  
<http://wx.toronto.ca/teo/evcomments.nsf/form?OpenForm>
- Development of Work Plan and Staff Report Outline which will go to Council in mid-2011 recommending two pilots





# Questions

---

Need to coordinate EV policy and programs across GTA?