



VANCOUVER ELECTRIC  
VEHICLE ASSOCIATION

**VANCOUVER PLUGS IN**



## Vancouver Park Board

July 6, 2009

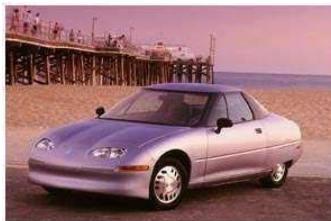
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## Vancouver Electric Vehicle Association

**VANCOUVER PLUGS IN**



- Non-Profit Society
- Promotes Electric Vehicles
  - GM EV1 not polluting vehicles



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## Vancouver Park Board Strategic Plan Goals



- Integrate green building technologies into the facility development process e.g. LEED
- Develop a employee transportation policy and review automobile based services to reduce emissions of green house gasses in association with The Climate Friendly City and Corporate Climate Change Action Plan

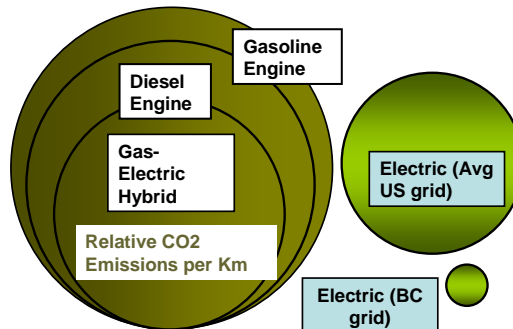


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## Electric Vehicle Infrastructure The Need



- Electric Vehicles reduce GHGs

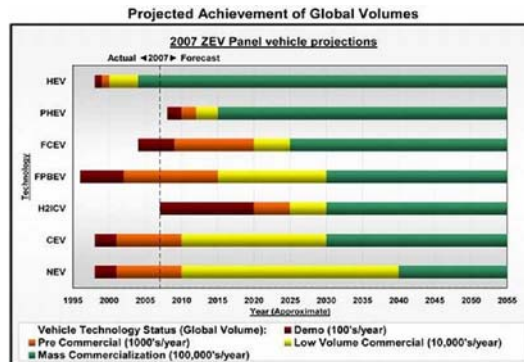


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## Electric Vehicle Infrastructure The Need



- EVs are coming soon



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## Electric Vehicle Infrastructure The Need



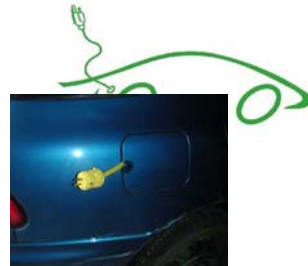
- Most car makers have announced EVs



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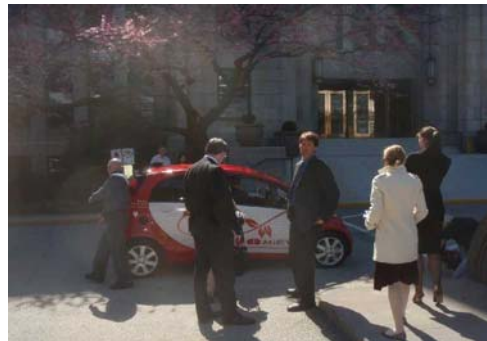
## Electric Vehicle Infrastructure The Need

- Chicken and Egg



## Electric Vehicle Infrastructure The Need

- Automakers are asking for infrastructure before delivering cars



## Electric Vehicle Infrastructure The Need



Having a dead battery is like running out of gas

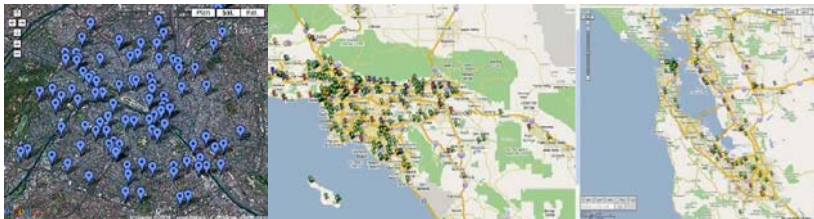


## Electric Vehicle Infrastructure The Need



- EVs can drive a Km or 2 on a dead battery
- A charge station every 2 Km overcomes the challenge to adoption of Evs

- Paris                      LA                      San Francisco



## **Electric Vehicle Infrastructure The Solution**



- Easy Park
  - Identify existing plugs
- Whistler
  - Installing 4 new plugs
- BC Hydro
  - Guide to Infrastructure Development
- City Sustainability Office
  - By-laws for Residential Plugs
- Federal
  - Tax Breaks

## **Electric Vehicle Infrastructure The Solution**



- Most charging will occur at home overnight



## Electric Vehicle Infrastructure The Solution



- Vancouver Parks have the leverage to lead a solution



## Electric Vehicle Infrastructure The Solution



- Inventory Existing Plugs
- Add Signs



## **Electric Vehicle Infrastructure The Solution**



- Inventory Low Hanging Fruit
  - What could be upgraded at low cost?



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## **Electric Vehicle Infrastructure The Solution**



- Identify what else is needed
- Cost for long term capital budget
  - All community centers
  - Some parks
  - Beaches

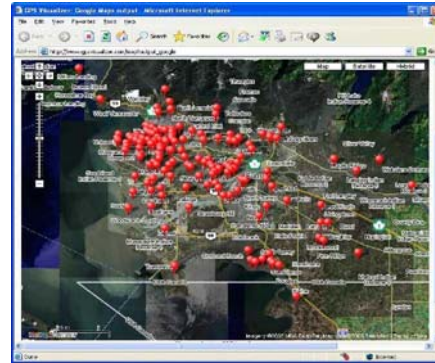
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## Electric Vehicle Infrastructure The Solution



- VEVA can assist with electrical details and mapping



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## How Vancouver Park Board can lead



- Approve the motion proposed by  
Commissioner Robertson

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