EV Partnerships in British Columbia

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B.C. Ministry of Energy and Mines

EV Roadmap 7, Portland Oregon
July 25, 2015
British Columbia

- 4.4 million people
- 73% in urban areas, 95% trips less than 30km
- Regulated electricity market
- 2 main utilities: BC Hydro & Fortis
- >90% clean electricity
- Largest differential between electricity & gas prices in North America
- “Green” consumers
Addressing Market Barriers

- Awareness
- Affordability
- Range Anxiety
- Performance
- Grid impacts
- Business models
- Technology availability

![CEV Penetration Diagram]

- Incentives, infrastructure roll-out, education & awareness
- R&D, information, education and branding
- Evolving Regulated Standards
Plug-In BC is a broad collaboration between the Province of BC, BC Hydro, the Fraser Basin Council, Powertech Labs, over 180 communities and businesses, and four academic institutions.
April 2014

Plug in BC News & Upcoming Events

EV Fleet Assessment Results Webinar
April 23, 11am PDT /2pm EDT

Earlier this year, Fraser Basin Council, through Plug In BC, partnered with FleetCarma to complete an electric vehicle adoption program with nine fleet operators in British Columbia.

The program involved data logging and predictive modeling to match fleet requirements with the capabilities and recommended uses of various electric vehicles.

This webinar will share the data gathered from the program and the lessons learned from working with these fleets.

Attend the webinar on Wednesday, April 23, 11am PDT to:

- Learn how simulation based modeling enables cost effective EV integration.
- Hear from fleet managers, to learn how they benefit from this innovative approach.
- Learn how you can adopt or participate in a similar program in your region.

BC Hydro updates their EV webpages

Check out BC Hydro's refreshed look.

Now anyone interested in electric vehicles in BC can learn the basics at: www.BChydro.com/ev

BC Hydro's refreshed webpages covers:
- EV basics & benefits
- Charging infrastructure guidelines
- FAQs
- and more...

Electric Mobility Canada Conference

EMC's electric vehicle conference is accepting abstracts
Infrastructure Partnerships

- 307 home installations
- 125 multi-unit building installations
- 536 public Level 2 at 282 sites
- 8 DCFCs to date
Public & Fleet Level 2
# Early DCFC Partnerships

<table>
<thead>
<tr>
<th>Option</th>
<th>DCFC Owner</th>
<th>Installer</th>
<th>Operator / Maintainer</th>
<th>Station Host</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td>BC Hydro</td>
<td>3rd Party: contracted by BCH</td>
<td>Site owner: under service agreement with BCH</td>
<td>BC Hydro or Province on Crown land</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>BC Hydro</td>
<td>3rd Party: contracted by BCH</td>
<td>BC Hydro</td>
<td>Municipality on land owned or leased</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td>BC Hydro</td>
<td>3rd Party: contracted by BCH</td>
<td>3rd Party: under service agreement with BCH</td>
<td>Private business host (requires regulatory change)</td>
</tr>
</tbody>
</table>
Research Partnerships

Academic & Capacity Building Fund:
• Station planning
• Buyer behaviours
• Policy analysis
• Grid impacts
• Niche projects
Condo Smarts: Sparks fly in the strata

Tony Gioventu / Times Colonist
October 15, 2013 05:57 PM

An electric car pulls into the charging stations in a commercial parking garage in Victoria. Strata dwellers who buy electric cars are pressing their strata councils to install charging stations, but the other home owners "most of whom drive gas- or diesel-powered cars" are resisting the expense of installation. Photograph by: LYLE STAFFORD, Times Colonist
Outreach Partnerships

http://www.youtube.com/watch?v=tWu2cjBfuRY
Pluginbc.ca

Emotive.bc.ca

Thank You

Questions:
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