The State of Charge in BC

VISOA: Bright Ideas for Stratas
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About FBC

Formed in 1997, the Fraser Basin Council is a non-profit organization committed to advancing sustainability across BC
FBC Strategic Priorities

Taking Action on Climate Change and Air Quality
BACKGROUND: EV Charging in BC

CEV Phase 1 (2011-Present; Installed)
• 30 DCFC
• >700 L2 public, mixed & fleet
• 300+ Residential (home)

CEV Phase 2 (Studied)
• 10 SAE Combo upgrades
• Fleet Electrification
• **DCFC in critical areas gap**
• **L2 in critical sector gap**
CEV Phase 2: DCFC Gap Analysis
CEV Phase 2: Siting DCFCs
CEV Phase 2: DCFCs
CEV Phase 2: DCFC Site Interest

- Expression of Interest to NRCan
  - Goal of 70 DCFCs by end of 2018
  - 65km apart
  - June 3 – June 30
- Ask of $12,500
- BC Hydro to own and operate DCFCs
CEV Phase 2: MURB Charging

Multi Unit Residential Building Charging Program
CEV Phase 2: MURB Charging

• Purpose
  – L2 charging (J1772)
  – 75% of cost up to $4,500 per head
  – Communication/data tracking
  – Oversized conduit for 6 stations at 40amp each

<table>
<thead>
<tr>
<th></th>
<th>Canada</th>
<th>B.C.</th>
<th>Metro Vancouver</th>
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<tbody>
<tr>
<td>Single Detached Housing</td>
<td>62%</td>
<td>54%</td>
<td>41%</td>
</tr>
<tr>
<td>Multi-Unit Housing, Less Than 5 Storeys</td>
<td>30%</td>
<td>38%</td>
<td>48%</td>
</tr>
<tr>
<td>Multi-Unit Housing, 5+ Storeys</td>
<td>7%</td>
<td>6%</td>
<td>10%</td>
</tr>
<tr>
<td>Other (e.g. mobile housing)</td>
<td>1%</td>
<td>2%</td>
<td>1%</td>
</tr>
</tbody>
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Percentage of Population by Dwelling Type (2015)
CEV Phase 2: MURB Charging

- **Eligibility**
  - BC wide
  - Existing buildings with 3+ dwellings
  - Residents, building owners, strata councils, etc. can apply
  - Resident use only
  - Beyond existing standards
CEV Phase 2: MURB Charging

• Program is now closed to the public
• Targeting key areas
• Supporting Resources
  – EVSE Manufacturers
  – Navigating Stratas
Questions?

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