Tzeporah Berman
Executive Director
PowerUP Canada

www.powerupcanada.ca
Blog www.zerocarboncanada.ca
Twitter/tzeporah
British Columbia Energy Use

**FOSSIL FUELS**
163,000 GWh

**WOOD WASTE**
46,500 GWh

**ELECTRICITY**
60,500 GWh

Current

<table>
<thead>
<tr>
<th>Population Growth</th>
<th>2021-2030</th>
<th>38,000 GWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population Growth</td>
<td>2009-2020</td>
<td>48,500 GWh</td>
</tr>
</tbody>
</table>

Needed by 2030

- BC Hydro demand Reductions by 2025: 17,000 GWh/year
- Electrification of 33% of BC Transport by 2030 will reduce total energy demand by: 20,000 GWh/year

130,000 GWh per year needed via further reductions and new supply

Solutions

- Geoheat*: 3,750 GWh
- Solar H₂O*: 10,000 GWh
- Solar PV*: 12,000 GWh
- Landfill*: 85 GWh
- Tidal*: 13,000 GWh
- Geothermal*: 9,000 GWh
- Wood Waste*: 1,800 GWh
- Microhydro*: 11,100 GWh
- Wind*: 11,000 GWh
- Bute Run of River: 3,000 GWh
- Proposed Site C dam: 4,600 GWh
- Montrose and E. Toba RoR: 700 GWh
- BC Clean Power Plan: 5,000 GWh

* BC Sea max