An affordable, renewable future

Gary Hart, Chief Operating Officer
September 28, 2017
AltaLink at a glance

- Serves more than three million Albertans
- 212,000 square kilometre service territory
- 13,000 km lines & 300+ substations

Berkshire Hathaway Energy
- $85 billion asset portfolio
- $19 billion invested in renewable generation as of December 31, 2016
Vision for Alberta’s energy future

Alberta should have a diverse array of **reliable, affordable, and clean-energy** generation. Ensuring the system is **affordable for customers** must be at the centre of every decision made around electricity.
## Electricity scenarios

<table>
<thead>
<tr>
<th>Scenario 1: Federal Coal Retirement</th>
<th>Scenario 2: Alberta’s Climate Leadership Plan</th>
<th>Scenario 3: 50% Renewables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Representing the view of low cost focus</td>
<td>Representing a view that put more weight on emissions relative to CLP</td>
<td>Representing a view that put more weight on emissions relative to CLP</td>
</tr>
<tr>
<td>Coal retirement follows Federal regulation schedule</td>
<td>All coal retires by 2030</td>
<td>All coal retires by 2030</td>
</tr>
<tr>
<td></td>
<td>Renewables account for 30% of AIES energy</td>
<td>Renewables account for 50% of AIES energy</td>
</tr>
</tbody>
</table>
Installed capacity increases

- **Federal Coal Retirement**
  - Existing Coal
  - Cogeneration
  - Solar

- **Alberta's CLP**
  - Combined Cycle
  - Simple Cycle
  - Distributed Peakers
  - Wind
  - Existing Hydro

- **50% Renewables**
  - Combined Cycle
  - Simple Cycle
  - Distributed Peakers
  - Wind
  - Existing Hydro
  - Other
Scenario observations

• There is capacity available on the transmission system

• Alberta’s 30% renewable target can be reached most cost-effectively with wind energy

• To achieve 50% renewables, solar energy will play an increased role