CAPITAL POWER
Investor Meetings
September 2016

Bryan DeNeve, SVP Finance & CFO
Tony Scozzafava, VP Taxation & Treasury
## Presentation outline

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital Power overview</td>
<td>3</td>
</tr>
<tr>
<td>Alberta Climate Leadership Plan</td>
<td></td>
</tr>
<tr>
<td>• Carbon tax</td>
<td>4 - 6</td>
</tr>
<tr>
<td>• Power Purchase Arrangements (PPA) terminations</td>
<td>7 - 9</td>
</tr>
<tr>
<td>• Accelerated phase-out of coal &amp; compensation</td>
<td>10 - 11</td>
</tr>
<tr>
<td>• Renewables acceleration; Alberta growth opportunities</td>
<td>12 - 14</td>
</tr>
<tr>
<td>Alberta power market</td>
<td>15 - 17</td>
</tr>
<tr>
<td>Growth opportunities</td>
<td>18 - 21</td>
</tr>
<tr>
<td>Financial review</td>
<td>22 - 23</td>
</tr>
<tr>
<td>• Contracted EBITDA &amp; dividend growth</td>
<td>24 - 26</td>
</tr>
<tr>
<td>• Strong financial base &amp; 2016 results</td>
<td>27 - 29</td>
</tr>
<tr>
<td>2016 guidance and targets</td>
<td>30 - 32</td>
</tr>
<tr>
<td>Value proposition</td>
<td>33</td>
</tr>
<tr>
<td>Appendices</td>
<td>34 - 41</td>
</tr>
</tbody>
</table>
Capital Power overview

- Growth-oriented North American IPP with ownership interest in 18 facilities in Canada and the U.S. totaling more than 3,200 MW
- ~700 MW of owned generation in advanced development in AB and under construction in Kansas
- Proven operating, development & construction expertise
- Strong contracted cash flow base supports dividend growth\(^{(1)}\); attractive yield of 7.4\(^{(2)}\)
- TSX (CPX); market cap of $2.0B\(^{(2)}\); average daily trading of ~490K\(^{(2)}\) shares

---

1) Subject to Board approval.
2) Dividend yield and market capitalization as of Aug 31/16. Average daily trading based on Aug 2016 YTD.
Alberta Climate Leadership Plan
Government plan and Panel recommendations

Carbon price

- Economy wide carbon price starting at $20/tonne on Jan 1/17 and increasing to $30/tonne on Jan 1/18
- Existing Specified Gas Emitters Regulation (SGER) replaced in 2018 with a Carbon Competitiveness Regulation (CCR)
  - Regulation designed based on sector-specific performance standards which reward best-in-class performance
- Electricity generators will pay $30/tonne for greenhouse gas emissions above electricity sector performance standard
  - Initial standard set at the level of the cleanest natural gas plant (combined cycle)

Increase in power prices will partially offset higher carbon costs
Alberta Climate Leadership Plan
Carbon Competitiveness Regulation (CCR)

- Required to comply with Specified Gas Emitters Regulation (SGER) through to the end of 2017; levy under CCR effective in 2018

<table>
<thead>
<tr>
<th>Compliance regulation</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CCR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compliance requirement</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>20%</td>
<td></td>
<td></td>
<td>55%</td>
<td>65%</td>
</tr>
<tr>
<td>(Down to best gas standard)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Market compliance cost ($/tonne)</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>$30</td>
<td></td>
<td></td>
<td>$30</td>
<td>$30+inflation+2%</td>
</tr>
<tr>
<td>(based on Panel’s recommendation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Impact on Genesee 3 / Keephills 3 will be offset by higher pool prices and inventory of low-cost carbon offset credits through 2020

- CPX bears the Genesee 1 & 2 compliance costs post-2020 after PPA expiry which is more than offset by increased realized power prices

Use of existing offset credits and higher pool prices will more than offset higher compliance costs through 2020
Carbon tax – cost of coal compliance

Cost of compliance versus tax

Lower compliance costs achieved by offset development & procurement strategies and lower GHG intensities
Sundance PPA early termination

Expected incremental impacts

- Mar 24/16, Capital Power provided notice to terminate the Sundance “C” PPA under the Change in Law provision of the PPA that was triggered by the AB Government’s Jun/15 announced changes to the Specified Gas Emitters Regulation (SGER).

- Between now and 2020, PPA termination expected to have a positive impact on Capital Power’s EBITDA, reduce contractual obligations, and will increase the hedged portion of the AB commercial portfolio.

- Following the termination, Capital Power recorded a non-cash pre-tax loss of $53M ($46M after-tax) with respect to the de-recognition of the Sundance PPA asset.

- Balancing Pool and Capital Power could differ in opinion as to the effective termination date.
  - Process for ENMAX’s Battle River PPA termination could provide direction.
Early termination of PPAs

Alberta Government seeking to reinstate PPAs

- Jul 25/16 – AB Government launched legal action against the former Buyers (AltaGas, Capital Power, ENMAX, TransCanada) of coal PPAs who returned PPAs to the Balancing Pool pursuant to the Change in Law (CIL) provisions
  - Legal right for PPA Buyers if CIL renders PPAs unprofitable or more unprofitable

- Former PPA Buyers have cited SGER changes that became effective Jan 1/16 as the triggering CIL that has rendered the PPAs unprofitable
  - SGER changes increased carbon pricing from $15/tonne to $30/tonne, and increased intensity reduction obligation from 12% to 20%

- AB Government’s position:
  - “More unprofitable” CIL provision added in a manner that was outside of Alberta Energy and Utilities Board (AEUB) jurisdiction and authority

- Application to be heard starting Nov 2/16
Early termination of PPAs

CPX’s position is that the Government’s claim is without merit

- PPAs created by the Alberta Government in 2000 as part of the transition from a regulated to a competitive generation market

- Government set the terms of the PPAs and companies bid on the arrangements based on their terms, which included the Change in Law provisions

- Final regulation establishing the PPAs as legal arrangements was drafted by a public agency using a public process that was published on the public record

- Collectively, Capital Power and other buyers paid $3B for the PPAs in auctions and would have paid substantially less to purchase any PPA that was missing a Change in Law clause

“We will exercise every legal avenue at our disposal to ensure the Government of Alberta honours the terms of the PPAs.”
Alberta Climate Leadership Plan
Compensation for early phase-out of coal

- AB Government appointed Terry Boston as the coal phase-out facilitator to oversee the transition away from coal-fired generation by 2030.
- Facilitator tasked with presenting options that will strive to maintain the reliability of Alberta’s electricity grid, maintain stability of prices for consumers, and avoid unnecessarily stranding capital.

- Primary focus on the six coal generation units that would otherwise be expected to operate past 2030.
- Meetings with facilitator and industry are ongoing.
- Facilitator to be reporting to Alberta Government by Sep/16; expect Government to provide more details in Q4/16.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Generation Capacity (MW)</th>
<th>End of Life (CST)</th>
<th>End of Life (Alberta CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheerness 1</td>
<td>390</td>
<td>2036</td>
<td>2030</td>
</tr>
<tr>
<td>Genesee 2</td>
<td>430</td>
<td>2039</td>
<td>2030</td>
</tr>
<tr>
<td>Sheerness 2</td>
<td>390</td>
<td>2040</td>
<td>2030</td>
</tr>
<tr>
<td>Genesee 1</td>
<td>430</td>
<td>2044</td>
<td>2030</td>
</tr>
<tr>
<td>Genesee 3</td>
<td>516</td>
<td>2055</td>
<td>2030</td>
</tr>
<tr>
<td>Keephills 3</td>
<td>495</td>
<td>2061</td>
<td>2030</td>
</tr>
</tbody>
</table>

(1) Retirements under federal Capital Stock Turnover (CST) regulations.
Alberta Climate Leadership Plan

Compensation

- A component of compensation for early retirement could be the ratio of reduced asset life to the current remaining life multiplied by Net Book Value (NBV)
- NBV of our coal assets is ~$2 billion at end of 2015
- Remaining life of our coal units are 139 years. A “2030 retirement date” reduces remaining life by 79 years – a 57% reduction (ie. gross number that includes non-stranded assets)
- Funds raised by CCR is estimated to be $3 billion per year

We believe Capital Power will be fairly compensated
Alberta Climate Leadership Plan

Renewables RFP process & maintenance of AB market design

- Mar 3/16 – AB Government tasked the Alberta Electric System Operator (AESO) to develop and implement a Renewable Electricity Program (REP) to add additional renewable generation capacity by 2030 in concert with the retirement of current coal generating units
- Under CLP, new renewable generation will be timed to replace two-thirds of retiring coal-fired generation
- Ensures existing assets are not adversely impacted by oversupply and allows existing market design to continue to function as it has over the past 15 years
- AESO undertook a process to receive industry perspectives on the REP and provided its recommendations to the AB Government in May/16, which have not been made public
- Expect the AB Government will provide direction on the REP by Q4/16 and AESO to initiate the process for the first procurement by year-end

“I also confirm that the Government of Alberta has not chosen to fundamentally alter the current wholesale electricity market structure.”(1)

---

1) Letter from Grant D. Sprague (Deputy Minister of Energy) to David Erickson (President & CEO of AESO) dated January 26, 2016.
**Alberta opportunity set**

Significant investment required over the next 14 years

- ~$30 billion
- 4,200 MWs in renewables to replace retirement of coal units with balance in natural gas and other to meet demand
- Capital Power well-positioned with our existing power sites, development and construction expertise, and strong track record of trading in Alberta

*Well-positioned to participate in new generation*
Capital Power is the leading IPP developer in the AB market

Generation built in Alberta since 2004\(^{(1)}\)

1) Excludes generation for oilsand developments and coal-fired unit expansions.
Alberta market forecasts

Current low power price environment

- Oversupply in the market
- Lower demand from weak AB economy
- Low natural gas prices

Expected uplift in power prices

- Expected recovery in demand growth
- Moderate increase in natural gas prices
- Pass-through of higher environmental compliance costs
- Mandated coal retirements near the end of this decade

Alberta Energy Prices (1)

1) Power and gas forecasts represent the average forecasts of three leading 3rd party consulting firms as of July 2016.  
2) Forwards as of June 30, 2016.
AB commercial baseload hedging profile

- Termination of our Buyer role under Sundance C PPA has significantly increased our baseload hedging profile from 2015 year-end
- Alberta Commercial baseload positions:

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>As of date</strong></td>
<td>Mar 31/16</td>
<td>Jun 30/16</td>
<td>Mar 31/16</td>
</tr>
<tr>
<td><strong>% sold forward</strong></td>
<td>100%</td>
<td>100%</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Avg. contracted prices</strong> ($/MWh)</td>
<td>Mid-$40</td>
<td>Mid-$40</td>
<td>Low-$50</td>
</tr>
<tr>
<td><strong>Avg. forward prices</strong> ($/MWh)</td>
<td>$36</td>
<td>$38</td>
<td>$46</td>
</tr>
<tr>
<td></td>
<td>Mar 31/16</td>
<td>Jun 30/16</td>
<td>Mar 31/16</td>
</tr>
<tr>
<td><strong>% sold forward</strong></td>
<td>54%</td>
<td></td>
<td>34%</td>
</tr>
<tr>
<td><strong>Avg. contracted prices</strong> ($/MWh)</td>
<td>Low-$50</td>
<td>Low-$50</td>
<td>Low-$50</td>
</tr>
<tr>
<td><strong>Avg. forward prices</strong> ($/MWh)</td>
<td>$47</td>
<td>$51</td>
<td>$52</td>
</tr>
<tr>
<td></td>
<td>Mar 31/16</td>
<td>Jun 30/16</td>
<td></td>
</tr>
<tr>
<td><strong>% sold forward</strong></td>
<td>44%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Avg. contracted prices</strong> ($/MWh)</td>
<td>Low-$50</td>
<td>Low-$50</td>
<td></td>
</tr>
<tr>
<td><strong>Avg. forward prices</strong> ($/MWh)</td>
<td>$52</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Baseload merchant exposure fully hedged in 2016-17 limiting exposure to weak short-term power prices

1) The forecasted average contracted prices may differ significantly from the future average realized prices as the hedged and unhedged positions have a mix of varyingly priced blocks of power.
Alberta power market trading

- Continue to see significant value from portfolio optimization activities

*Average realized power prices*\(^{(1)}\) *have exceeded spot power prices by 10% since company’s inception 7 years ago*

---

1) Based on the Alberta baseload plants and the Sundance PPA plus the uncontracted portion of Shepard Energy Centre baseload. Effective March 24, 2016, it is based on the Alberta baseload plants and the uncontracted portion of Shepard Energy Centre baseload due to Sundance PPA Termination.
Acquire or develop contracted opportunities across North America and consider merchant opportunities in Alberta
Genesee 4&5

- Joint venture partners with ENMAX to develop, construct, own, and operate the 1,060 MW natural gas-fired combined cycle facilities
- 8-year tolling agreement with ENMAX for 50% of CP’s share of the output
- All major regulatory approvals received to proceed with construction; Capital Power will lead the construction project and be the operator
- Full notice to proceed (FNTP) decision delayed until Q4/16 and contingent on:
  - Fair compensation for the projected accelerated closure of coal-fired generation
  - Clarity that implementation of CLP will have no adverse impact on the Alberta electricity market design
  - Price signals from the energy only market
- Revised construction plan would achieve substantial completion of Genesee 4 in early 2020

Genesee 4&5 to be built on existing Genesee site west of Edmonton, AB
Halkirk 2

- 150 MW wind facility next to the existing Halkirk facility
- Investment of ~$300M
- AESO interconnection application filed
- Application for permits and supporting studies underway
- Operational and construction cost savings with experience from Halkirk 1
- Locational advantage with wind diversity resulting in expected higher capture factor
Bloom Wind

- 178 MW wind farm consisting of 54 Vestas V117-3.3 MW turbines
- 10-year fixed price contract covering 100% of the output, with Allianz Risk Transfer (rated AA- (stable) by S&P’s), a subsidiary of Allianz SE, a worldwide insurance and asset management group
- Under the contract, Capital Power will swap market revenue of Bloom’s generation for a fixed annual payment for a 10-year term, securing long-term predictable revenues and mitigate generation volume uncertainty related to wind resources
  - Allows Bloom to secure renewable energy tax equity financing, and
  - Provides the opportunity for Capital Power to complete its first wind development project in the U.S. renewables market
- Construction begins in Q3/16 with COD targeted in Q3/17
(1) Maintain growing dividend backed by sufficient contracted cash flow base.

(2) Fund growth opportunities in the near term with discretionary cash flow.

(3) Active in debt reduction and share buybacks absent an acquisition or development opportunity. Normal Course Issuer Bid (NCIB) in place for the one year period ending Apr/17 to repurchase up to 8.6M shares. No repurchases have been made on this current NCIB.
Continued strong cash flow generation

Funds from operations (FFO)$\textsuperscript{(1)}$

- ~42% of 2016 FFO is discretionary cash flow$\textsuperscript{(2)}$
- At the mid-point of 2016 guidance range, generating ~$170M in DCF before growth capex to reinvest in renewables and natural gas opportunities

$\text{FFO} = \text{Gross dividends (common & preferred shares)} - \text{Sustaining capex} - \text{Discretionary cash flow}$

1) 2016 FFO target represents the mid-point of $380M - $430M guidance range. FFO is a non-GAAP financial measure.
2) Discretionary cash flow (DCF) is a non-GAAP financial measure. DCF = FFO - sustaining capex - total common and preferred share dividends.
Improving contracted EBITDA$^{(1,2,3)}$

Substantial expansion in contracted EBITDA from 2012 to 2016

1) Margins have been averaged over the periods except in the year of commissioning.
2) Only includes contracted portions of Halkirk and Shepard plants.
3) Capital Power’s share of EBITDA for all assets.
1) Merchant margin is calculated using $40/MWh and $70/MWh and is based on hedged position as at June 30, 2016.

2) Based on existing plants plus committed development projects. Financial obligations include interest payments (including interest during construction), sustaining contracted capital expenditures and general & administration expenses.

3) Dividends include common and preferred dividends. Assumes consistent common dividend growth in 2017-18.

4) Forwards as of June 30, 2016.

---

**Strong financial coverage**

**Operating margin**\(^{(1)}\) to financial obligations\(^{(2)}\) and dividends\(^{(3)}\)

<table>
<thead>
<tr>
<th></th>
<th>2016F</th>
<th>2017F</th>
<th>2018F</th>
<th>2019F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum AB power prices required to cover financial obligations &amp; dividends(^{(3)})</td>
<td>$0/MWh</td>
<td>$0/MWh</td>
<td>Low $20s</td>
<td>Mid $30s</td>
</tr>
</tbody>
</table>

---

1) Merchant margin is calculated using $40/MWh and $70/MWh and is based on hedged position as at June 30, 2016.
2) Based on existing plants plus committed development projects. Financial obligations include interest payments (including interest during construction), sustaining contracted capital expenditures and general & administration expenses.
3) Dividends include common and preferred dividends. Assumes consistent common dividend growth in 2017-18.
4) Forwards as of June 30, 2016.
Target annual dividend increases
Third consecutive 10 cents per share annual increase to dividend

- Effective with Q3/16 dividend, quarterly dividend increased 6.8% to $0.39 per share
- 24% increase in annualized dividends since 2013

Projected cash flows support annual dividend growth guidance\(^{(2)}\) of 7%

---

1. 2013-2015 annualized dividend based on year-end quarterly dividend amount.
2. Annual dividend growth guidance of 7% through 2018 discussed at the Dec 3/15 Investor Day. Subject to market conditions, economic outlook, cash flow forecast, and Board approval at the time.
Financial strength

Strong balance sheet and investment grade credit rating

- Investment grade credit ratings by S&P and DBRS
- Debt-to-capital ratio remains below long-term target of 40% - 50%

<table>
<thead>
<tr>
<th>Agency</th>
<th>Ratings</th>
<th>Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>S&amp;P</td>
<td>BBB- / P-3</td>
<td>Stable</td>
</tr>
<tr>
<td>DBRS</td>
<td>BBB / Pfd-3 (low)</td>
<td>Negative</td>
</tr>
</tbody>
</table>

Debt to total capitalization

Corporate Liquidity\(^{(1)}\)

Capital Power is committed to maintaining investment grade

1) December 31, 2015 forward-looking estimate.
Credit metrics\(^{(1)}\)

**In line with DBRS financial criteria for current rating**

- **Adj. Cash flow/Adj. Debt**
- **EBITDA/Adj. Interest**

**In line with S&P’s financial criteria for current rating**

- **Adj. FFO/Adj. Debt**
- **Adj. Debt/Adj. EBITDA**

\(^{(1)}\) Metrics applicable to Capital Power Corporation beginning 2016.

\(^{(2)}\) Based on S&P’s weighted average ratings methodology.
## Financial performance – Q2/16 YTD

<table>
<thead>
<tr>
<th>$M, except per share amounts</th>
<th>Q2/16 YTD</th>
<th>Q2/15 YTD</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenues</td>
<td>$570</td>
<td>$441</td>
<td>29%</td>
</tr>
<tr>
<td>Adjusted EBITDA <em>(before mark-to-market)</em> <em>(1)</em></td>
<td>$251</td>
<td>$210</td>
<td>20%</td>
</tr>
<tr>
<td>Basic earnings (loss) per share</td>
<td>$0.07</td>
<td>$(0.06)</td>
<td>217%</td>
</tr>
<tr>
<td>Normalized earnings per share</td>
<td>$0.63</td>
<td>$0.40</td>
<td>58%</td>
</tr>
<tr>
<td>Funds from operations</td>
<td>$215</td>
<td>$178</td>
<td>21%</td>
</tr>
</tbody>
</table>

*(1)* Before unrealized changes in fair value of commodity derivatives and emission credits of $(23)M and $(16)M for Q2/16 YTD and Q2/15 YTD, respectively.

Financial results in first half of 2016 showed yoy improvement across all measures
Q2/16 YTD performance vs. annual targets
Operational and financial targets

**Plant availability**
- 2016 YTD: 93%
- Target: 94%

**Sustaining capex ($M)**
- 2016 YTD: $33
- Target: $65

**Plant operating & maintenance expenses ($M)**
- 2016 YTD: $108
- Target: $200 - $220

**Funds from operations ($M)**
- 2016 YTD: $215
- Target: $380 - $430

*On-track to meet 2016 targets*
2016 Disciplined growth targets
Genesee 4&5 (Alberta)

**Target**
Proceeding with construction based on:
- Clarity with respect to impact of decisions from the Alberta Government’s *Climate Leadership Plan*
- Price signals from energy only market

**Q2/16 Status**
- Awaiting further clarification on implementation of CLP and impacts on current Alberta assets
- Construction execution has been restructured to delay full notice to proceed decision to Q4/16, resulting in modestly higher costs and risks
- Revised construction plan would achieve substantial completion of Genesee 4 in early 2020
- Monitoring price signals to determine appropriate timing for new supply
2016 Disciplined growth targets

New developments

Target

- Execute a contract for the output of a new development

Q2/16 Status

- **Bloom Wind** (178 MW project in Kansas)
  - 10-year fixed price contract covering 100% of the output
  - Cost of $358M (CDN$)
  - Construction begins in Q3/16 with COD targeted in Q3/17

- Actively bidding into RFPs for other U.S. projects
Attractive value proposition

- Excellent existing operations
- Sustainable and growing dividend
  - Expect annual dividend growth of 7% through 2018
  - Attractive dividend yield
- Significant growth opportunities
  - Genesee 4&5 best positioned to be the next large natural gas-fired generation project to be built in Alberta
  - Well-positioned to add renewable generation in the Alberta market
  - Good pipeline of contracted opportunities outside of Alberta
- Best positioned for Alberta power price recovery due to young & diverse fleet, strong track record of operations and trading, and development & construction expertise to build natural gas and renewables

Well-positioned for the future
Historical Alberta prices

Daily average power prices

Annual average power prices and AECO
(Annual power prices have averaged $63/MWh in the past 15 years)
Carbon tax – impact on pool price

Some of the variable cost increase will be passed through to power prices

Carbon tax effect on on-peak merit curve
(Snapshot taken 09/23/2015 HE13)

1) Assumes allocation based on Cleanest Gas Standard of 0.4 T/MWh, and the following intensities (T/MWh): coal = 1.05, Simple cycle & cogen = 0.55, Combined cycle = 0.45
Alberta market design

Stable market design has signalled the addition of 7 GW of new generation

Appendix

1) Source: AESO
Illustrative view of new supply

Alberta supply and demand
(Gigawatts)

1) Retirements between 2015 and 2030 reflect Federal Capital Stock Turnover dates.
2) AESO 2014 Long Term Outlook Low Growth Scenario.
Debt maturity schedule\(^{(1)}\)

$1B^{(1)}$ in committed credit facilities recently renewed with 5-year tenor maturing 2021, of which $640M is available.

Well spread-out debt maturities are supported by long asset lives

1) Debt amount as of June 30, 2016, excludes non recourse debt and tax-equity financing.
2) Callable debt, however does not mature until their respective years.
## Summary of assets

<table>
<thead>
<tr>
<th>Genesee 1</th>
<th>Genesee 2</th>
<th>Genesee 3</th>
<th>Keephills 3</th>
<th>Joffre</th>
<th>Clover Bar Energy Centre</th>
<th>Clover Bar Landfill</th>
<th>Halkirk</th>
<th>Shepard Energy Centre</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>430 MW</td>
<td>430 MW</td>
<td>516 MW</td>
<td>516 MW</td>
<td>480 MW</td>
<td>243 MW</td>
<td>5 MW</td>
<td>150 MW</td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>50 / 100</td>
<td>50 / 0</td>
<td>40 / 0</td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 / 100</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Warburg</td>
<td>Warburg</td>
<td>Warburg</td>
<td>Wabamun</td>
<td>Joffre</td>
<td>Edmonton</td>
<td>Edmonton</td>
<td>Halkirk</td>
</tr>
<tr>
<td><strong>Fuel &amp; equipment</strong></td>
<td>Coal (50% ownership of coal mine)</td>
<td>Coal (50% ownership of coal mine)</td>
<td>Coal (50% ownership of coal mine)</td>
<td>Coal</td>
<td>Natural gas</td>
<td>Natural gas (Two 100 MW GE LMS100 turbines; 43 MW GE LM6000)</td>
<td>Landfill gas</td>
<td>Vestas wind turbines</td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>2020</td>
<td>2020</td>
<td>Merchant</td>
<td>Merchant</td>
<td>Merchant</td>
<td>Merchant</td>
<td>Merchant</td>
<td>~40% - 45% of total revenues from 20-year REC sale agreement / Merchant</td>
</tr>
</tbody>
</table>
## Summary of assets

<table>
<thead>
<tr>
<th>Kingsbridge 1 Generation</th>
<th>Island Generation</th>
<th>Quality Wind</th>
<th>Port Dover &amp; Nanticoke</th>
<th>K2 Wind</th>
<th>Roxboro</th>
<th>Southport</th>
<th>Macho Springs</th>
<th>Beaufort Solar</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 MW</td>
<td>275 MW</td>
<td>142 MW</td>
<td>105 MW</td>
<td>270 MW</td>
<td>46 MW</td>
<td>88 MW</td>
<td>50 MW</td>
<td>15 MW</td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>33.3%</td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 (sale &amp; leaseback) / 100</td>
<td></td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goderich, Ontario</td>
<td>Campbell River, BC</td>
<td>Near Tumbler Ridge, BC</td>
<td>Located in the counties of Norfolk and Haldimand, Ontario</td>
<td>Ashfield-Colborne-Wawanosh, Ontario</td>
<td>Roxboro, North Carolina</td>
<td>Southport, North Carolina</td>
<td>Luna County, New Mexico</td>
<td>Beaufort County, North Carolina</td>
</tr>
<tr>
<td><strong>Fuel &amp; equipment</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>2026 / 2027</td>
<td>2022</td>
<td>2037</td>
<td>2033</td>
<td>2035</td>
<td>2021</td>
<td>2021</td>
<td>2031</td>
</tr>
</tbody>
</table>
## Projects under development/construction

<table>
<thead>
<tr>
<th>Genesee 4&amp;5</th>
<th>Halkirk 2</th>
<th>Bloom Wind</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alberta Commercial</strong></td>
<td><strong>U.S. Contracted</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>Up to 1,060 MW</td>
<td>150 MW</td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td>50 / 100</td>
<td>100 / 100</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Warburg</td>
<td>Halkirk</td>
</tr>
<tr>
<td><strong>Fuel &amp; equipment</strong></td>
<td>Combined-cycle natural gas (Mitsubishi J-Class natural gas turbine technology)</td>
<td>Wind</td>
</tr>
<tr>
<td><strong>Commercial Operations</strong></td>
<td>Targeted completion as early as 2020.</td>
<td></td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>8-year tolling arrangement with ENMAX for 50% of Capital Power’s share of the output.</td>
<td></td>
</tr>
<tr>
<td><strong>Expected Capital Cost</strong></td>
<td>$1.4B for total project (excluding interest during construction and refundable transmission system contribution payments)</td>
<td></td>
</tr>
</tbody>
</table>
Non-GAAP financial measures

The Company uses (i) earnings before finance expense, income tax expense, depreciation and amortization, impairments, foreign exchange gains or losses, finance expense from joint venture, and gains or losses on disposals (adjusted EBITDA), (ii) funds from operations, (iii) normalized earnings attributable to common shareholders, and (iv) normalized earnings per share as financial performance measures.

These terms are not defined financial measures according to GAAP and do not have standardized meanings prescribed by GAAP and, therefore, are unlikely to be comparable to similar measures used by other enterprises. These measures should not be considered alternatives to net income, net income attributable to shareholders of the Company, net cash flows from operating activities or other measures of financial performance calculated in accordance with GAAP. Rather, these measures are provided to complement GAAP measures in the analysis of the Company’s results of operations from management’s perspective.

Reconciliations of these Non-GAAP financial measures are contained in the Company’s Management’s Discussion and Analysis prepared as of July 22, 2016 for the second quarter 2016, which is available under the Company’s profile on SEDAR at SEDAR.com and on the Company’s website at capitalpower.com.
Forward-looking information

Forward-looking information or statements included in this presentation and in responses to questions are provided to inform the Company's shareholders and potential investors about management’s assessment of Capital Power's future plans and operations. This information may not be appropriate for other purposes. The forward-looking information is generally identified by words such as will, anticipate, believe, plan, intend, target, and expect or similar words that suggest future outcomes.

Material forward-looking information includes expectations regarding:

- future revenues, expenses, earnings and funds from operations,
- the future pricing of electricity and market fundamentals in existing and target markets,
- future dividend growth,
- the Company's future cash requirements including interest and principal repayments, capital expenditures, dividends and distributions,
- the Company's sources of funding, adequacy and availability of committed bank credit facilities and future borrowings,
- future growth and emerging opportunities in the Company's target markets including the focus on certain technologies,
- the timing of, funding of, and costs for existing, planned and potential development projects and acquisitions,
- plant availability and planned outages,
- capital expenditures for plant maintenance and other,
- the impact of environmental regulations on the Company, its businesses, accounting policies, and emissions compliance costs,
- the impact of the Alberta Climate Leadership Plan (CLP) on the Company's future growth projects, including the Genesee 4 and 5 project, and
- compensation to be received by the Company from the Government of Alberta in respect of the proposed early retirement of coal facilities.

These statements are based on certain assumptions and analyses made by the Company in light of its experience and perception of historical trends, current conditions, expected future developments, and other factors it believes are appropriate. The material factors and assumptions used to develop these forward-looking statements relate to:

- electricity and other energy prices,
- performance,
- business prospects and opportunities including expected growth and capital projects,
- status of and impact of policy, legislation and regulations,
- effective tax rates, and
- other matters discussed under the Performance Overview and Outlook sections.

Whether actual results, performance or achievements will conform to the Company’s expectations and predictions is subject to a number of known and unknown risks and uncertainties which could cause actual results and experience to differ materially from the Company’s expectations. Such material risks and uncertainties are:

- changes in electricity prices in markets in which the Company operates,
- changes in energy commodity market prices and use of derivatives,
- regulatory and political environments including changes to environmental, financial reporting and tax legislation,
- power plant availability and performance including maintenance of equipment,
- ability to fund current and future capital and working capital needs,
- acquisitions and developments including timing and costs of regulatory approvals and construction,
- changes in market prices and availability of fuel, and
- changes in general economic and competitive conditions.

See Risks and Risk Management in the Company’s December 31, 2015 annual MD&A for further discussion of these and other risks. Readers are cautioned not to place undue reliance on any such forward-looking statements, which speak only as of the date made. The Company does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in the Company’s expectations or any change in events, conditions or circumstances on which any such statement is based, except as required by law.
Investor Relations Contact

Randy Mah
Senior Manager
(780) 392-5305
rmah@capitalpower.com

Head Office
10th Floor
10423 – 101 Street NW
Edmonton, AB T5H 0E9
www.capitalpower.com