Capital Power overview

- Independent power producer with ownership interest in 16 facilities in Canada and the US totaling more than 3,100 MW\(^{(1)}\) with 90 MW coming on-line in 2015
- Capital Power builds, owns and operates power plants
- Significant contracted cash flow base and merchant investments in Alberta - the most attractive power market in North America
- Well-positioned for annual dividend growth\(^{(2)}\) to build on 7.9% increase in 2014; current $1.36/year dividend provides ~5.5% yield
- Trading on TSX (CPX); market cap of $2.5B\(^{(3)}\) with an average daily trading volume of ~235K\(^{(3)}\) shares

---

1) Based on MW owned capacity as of Mar 31/15; excludes Sundance PPA (371 MW) and Clover Bar Landfill Gas (5 MW).
2) Subject to Board approval.
3) Market capitalization as of Apr/15. Average daily trading volume on the TSX for the 1-year period ended Mar 31/15.
Capital Power’s value proposition
Modern fleet

Helps keep availability high and reduces risk of unplanned outages

- Average weighted facility age of the current fleet is 11.7 years\(^{(1)}\)
- Adding 90 MW from K2 Wind in mid-2015

1) Average facility age and remaining life weighted by owned capacity as of Mar 31/15.
Proven track record of high fleet availability

Plant availability consistently 90%+ in past 6 years

Operational excellence

Generation (GWh)

2009 2010 2011 2012 2013 2014 2015T

96% 90% 92% 91% 93% 95% 94%

Average plant availability

Generation
Excellent track record of development

*Outstanding track record of completing 7 construction projects (supercritical coal, natural gas, wind) totaling 1,691 MW*

<table>
<thead>
<tr>
<th>Asset</th>
<th>Capacity / fuel</th>
<th>On-time</th>
<th>On-budget</th>
<th>In-Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genesee 3 (AB)</td>
<td>516 MW / coal</td>
<td>√</td>
<td>+</td>
<td>2005</td>
</tr>
<tr>
<td>Kingsbridge 1 (ON)</td>
<td>40 MW / wind</td>
<td>√</td>
<td>√</td>
<td>2006</td>
</tr>
<tr>
<td>Clover Bar Energy Centre (AB)</td>
<td>243 MW / gas</td>
<td>+</td>
<td>√</td>
<td>2009</td>
</tr>
<tr>
<td>Keephills 3 (AB)</td>
<td>495 MW / coal</td>
<td>-</td>
<td>-</td>
<td>2011</td>
</tr>
<tr>
<td>Halkirk (AB)</td>
<td>150 MW / wind</td>
<td>√</td>
<td>+</td>
<td>2012</td>
</tr>
<tr>
<td>Quality Wind (BC)</td>
<td>142 MW / wind</td>
<td>√</td>
<td>+</td>
<td>2012</td>
</tr>
<tr>
<td>Port Dover &amp; Nanticoke (ON)</td>
<td>105 MW / wind</td>
<td>√</td>
<td>+</td>
<td>2013</td>
</tr>
</tbody>
</table>

√ Met expectations at full notice to proceed
+ Better than expected
- Worse than expected

1) Joint venture with TransAlta Corporation; each party has a 50% ownership interest.
Capital Power is the leading developer in the AB market

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

- **Renewables**
- **Thermal**

1. Includes Shepard Energy Centre and excludes generation for oilsand developments and coal-fired unit expansions.

---

\(^{(1)}\) Operational excellence
Financial strength

Strong balance sheet and investment grade credit rating

- Investment grade credit ratings
- 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>Stable</td>
</tr>
</tbody>
</table>

Debt to total capitalization

- Long-term target 40% - 50%

<table>
<thead>
<tr>
<th>Year</th>
<th>Debt to Total Capitalization</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>33%</td>
</tr>
<tr>
<td>2015T</td>
<td>30%</td>
</tr>
</tbody>
</table>

Corporate Liquidity

- 2014: 3.0

1) December 31, 2014 forward-looking estimate.
Credit metrics\(^{(1)}\)

**Above DBRS financial criteria for current rating**
- Adj. Cash flow/Adj. Debt
  - 2015T

**Within S&P financial criteria for investment grade rating**
- Adj. FFO/Adj. Debt\(^{(2)}\)
  - 2015T
- Adj. Debt/Adj. EBITDA\(^{(2)}\)
  - 2015T

1) Metrics applicable to Capital Power L.P.
2) Based on S&P’s weighted average ratings methodology.
Continued strong cash flow generation

Funds from operations (FFO)

- Cash flow expected to increase ~8% in 2015
- ~40% of 2015 FFO is discretionary cash flow (DCF)
- At the mid-point of guidance range, generating ~$200M in cash flow before growth capex to reinvest in the business at the bottom of the Alberta power market cycle

1) 2015 FFO target represents the mid-point of $365 - $415M guidance range.
2) Discretionary cash flow (DCF) is a non-GAAP financial measure. DCF = FFO - sustaining capex - total common and preferred share dividends and CPLP distributions.
Improving contracted cash flow\(^{(1,2)}\)

Substantial expansion in contracted operating margin 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.
Dividends

With addition of Shepard and K2 Wind in 2015, substantial expansion in our contracted operating margin

7.9% dividend increase in 2014 was supported by growing contracted cash flows

Expect 100%+ coverage in 2015 and beyond

Well positioned for consistent dividend growth

Contracted operating margin to financial obligations\(^{(1)}\) and dividends\(^{(2)}\)

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

Consistent dividend growth is core to Capital Power’s story

- One of the lowest payout ratios of Canadian IPPs
- At the mid-point of guidance range, generating ~$200M in free cash flow before growth capex at the bottom of the cycle
- Significant expansion of contracted cash flow to cover financial obligations and dividends
- 2014 decision on dividend increase was based on an ability to deliver consistent dividend growth annually
- Nothing has fundamentally changed in our business; well-positioned to deliver a dividend increase in 2015 consistent with the amount of the increase in 2014
- As always, subject to market conditions, economic outlook, cash flow forecast, and Board approval at the time
EPCOR ownership reduced

- Recent $225M Secondary Offering by EPCOR has reduced their ownership position in Capital Power L.P. (CPLP) to 9% from 18%. On Apr 2/15 closing date, EPCOR exchanged their remaining CPLP units to common shares.
- Registration Rights Agreement terminated – Capital Power no longer obligated to assist EPCOR in making a secondary offering under a prospectus.
- EPCOR has advised it plans to eventually sell all or a substantial portion of its remaining interest subject to market conditions and requirements for capital.
- CPLP structure being reviewed with the goal of simplifying the organizational structure and reporting, and reducing costs associated with CPLP (audit, legal, board, management and filing expenses).
(1) Growing contracted cash flow base supports dividend growth

(2) Well positioned to fund or partially fund any new significant growth opportunities in the near term with discretionary cash flow

(3) Consider debt reduction or share buyback absent an acquisition or development project

- TSX has approved Normal Course Issuer Bid (NCIB) to purchase up to 5 million common shares over a 1-year period ending Apr 6/16
- Suspended Dividend Re-investment Plan effective with Q2/15 dividend
Oil and gas development drives load growth in Alberta

- Long lead time of oil sands projects reduces sensitivity to short term oil price volatility
- Downside risk to load growth from pullback in light oil development

**Alberta demand relative to oil prices**

*Oil and gas development drives load growth in Alberta*

- **AB power market upside**

### Alberta Internal Load and West Texas Intermediate

**Monthly AIL (GWh)**

**Oil Price ($/BBL)**

Source: AESO, EIA
Expected coal unit retirements - CST
Retirements under the federal Capital Stock Turnover (CST) regulations

Alberta coal generation (MW)

<table>
<thead>
<tr>
<th>Facility</th>
<th>Generation Capacity (MW)</th>
<th>End of Life (Final Regulations)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battle River 3</td>
<td>149</td>
<td>2019</td>
</tr>
<tr>
<td>Sundance 1</td>
<td>288</td>
<td>2019</td>
</tr>
<tr>
<td>H.R. Milner</td>
<td>144</td>
<td>2019</td>
</tr>
<tr>
<td>Sundance 2</td>
<td>288</td>
<td>2019</td>
</tr>
<tr>
<td>Battle River 4</td>
<td>155</td>
<td>2025</td>
</tr>
<tr>
<td>Sundance 3</td>
<td>362</td>
<td>2026</td>
</tr>
<tr>
<td>Sundance 4</td>
<td>406</td>
<td>2027</td>
</tr>
<tr>
<td>Sundance 5(1)</td>
<td>406</td>
<td>2028</td>
</tr>
<tr>
<td>Sundance 6(1)</td>
<td>401</td>
<td>2029</td>
</tr>
<tr>
<td>Battle River 5</td>
<td>385</td>
<td>2029</td>
</tr>
<tr>
<td>Keephills 1</td>
<td>387</td>
<td>2029</td>
</tr>
<tr>
<td>Keephills 2</td>
<td>406</td>
<td>2029</td>
</tr>
<tr>
<td>Sheerness 1</td>
<td>390</td>
<td>2036</td>
</tr>
<tr>
<td>Genesee 2(2)</td>
<td>430</td>
<td>2039</td>
</tr>
<tr>
<td>Sheerness 2</td>
<td>390</td>
<td>2040</td>
</tr>
<tr>
<td>Genesee 1(2)</td>
<td>430</td>
<td>2044</td>
</tr>
<tr>
<td>Genesee 3(2)</td>
<td>516</td>
<td>2055</td>
</tr>
<tr>
<td>Keephills 3(2)</td>
<td>495</td>
<td>2061</td>
</tr>
</tbody>
</table>

1) Capital Power holds the PPA (371 MW) for Sundance Units 5 & 6 until PPA expiry in 2020.
2) Represents units that Capital Power has ownership in.
Alberta market design expected to continue to provide timely pricing signals for the addition of new supply

1) Source: AESO and Capital Power estimates – April/15.
Diverse generation fleet in Alberta
Well positioned to capture value in Alberta’s merchant market

Expected AB power generation stack for 2015

1) Capital Power’s expected percentages reflect ownership interest and excludes Sundance PPA. Source: AESO

- Clover Bar Energy Centre
  - Most responsive peaking facility in the AB market
  - Captures peak pricing, backstops position

- Shepard Energy Centre
  - 50% JV interest in 800 MW natural gas combined cycle facility
  - 50% of Capital Power’s capacity under 20-year PPA
  - Most effective gas facility, with lowest heat rate

- Joffre Cogen
  - 192 MW capacity from jointly-owned mid-merit natural gas combined cycle facility

- Genesee 1, 2, 3; Keephills 3
  - G1 & 2 provides 860 MW of low cost baseload coal under PPA through 2020
  - G3 and K3 provides 516 MW of merchant capacity from jointly-owned and operated plants. Cleanest coal units in Canada with the longest average life remaining of 43 years.

- Halkirk Wind
  - One of the largest wind farms in AB; provides Renewable Energy Credits into California market under long term contract
  - Unique geographical location provides greater captured price

1) Capital Power’s expected percentages reflect ownership interest and excludes Sundance PPA. Source: AESO
## AB commercial portfolio positions

### Alberta portfolio hedged positions (% sold forward)

<table>
<thead>
<tr>
<th>As of Mar 31/15</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage sold forward(^{(1)})</td>
<td>49%</td>
<td>12%</td>
</tr>
<tr>
<td>Average contracted prices(^{(2)}) ($/MWh)</td>
<td>Mid-$50</td>
<td>High-$60</td>
</tr>
</tbody>
</table>

---

1) Based on the Alberta baseload plants and the acquired Sundance PPA plus a portion of Joffre and the uncontracted portion of Shepard Energy Centre baseload.

2) The forecast average contracted prices may differ significantly from the future average realized prices as the hedged and unhedged positions have a varying mix of differently priced blocks of power.

---

**Well positioned to weather the bottom of the power market cycle with a significant % of merchant cash flows hedged in the near-term**
Alberta power market trading

- Portfolio optimization activities focused on managing exposure to commodity risks, reducing volatility and creating incremental value.

*Average realized power price has exceeded spot power prices by 21% on average over the past 5.25 years.*

---

<table>
<thead>
<tr>
<th>Year</th>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>$50</td>
<td>$75</td>
<td>$100</td>
<td>$75</td>
</tr>
<tr>
<td>2011</td>
<td>$75</td>
<td>$125</td>
<td>$150</td>
<td>$100</td>
</tr>
<tr>
<td>2012</td>
<td>$100</td>
<td>$125</td>
<td>$150</td>
<td>$125</td>
</tr>
<tr>
<td>2013</td>
<td>$125</td>
<td>$150</td>
<td>$175</td>
<td>$150</td>
</tr>
<tr>
<td>2014</td>
<td>$150</td>
<td>$175</td>
<td>$200</td>
<td>$175</td>
</tr>
<tr>
<td>2015</td>
<td>$175</td>
<td>$200</td>
<td>$225</td>
<td>$200</td>
</tr>
</tbody>
</table>

- **Average AB spot power price**
- **Capital Power captured AB price**
Financial obligations and dividends fully covered by contracted cash flow

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

1) Merchant margin is calculated using $40/MWh and $70/MWh and is based on hedge position as at Dec 31, 2014.
2) Based on existing plants plus committed development projects. Financial obligations include interest payments (including interest during construction), sustaining capital expenditures and general & administration expenses.
3) Dividends include common dividends, preferred dividends and CPLP distributions.
Shepard Energy Centre

- Shepard, a 50% joint venture with ENMAX, reached COD in Mar/15
- Final construction costs not expected to exceed $854M, which includes an accrued performance bonus to the turbine manufacturer based on final facility performance measurements related to electrical output and heat rate
  - Higher performance measurements expected to improve the overall economics of the project and more than offset the additional capital costs from the performance bonus
- 50% of Capital Power’s capacity contracted under a 20-year tolling agreement; additional output contracted in early years

<table>
<thead>
<tr>
<th>Contracted profile (MW)</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018-35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shepard - total capacity</td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Capital Power - owned capacity</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
</tr>
</tbody>
</table>

**Contracted output:**
- Tolling agreement (20 years) | 200 | 200 | 200 | 200 |
- Additional contracted output | 100 | 100 | 100 |    |
- Contracts for differences     | 100 | -   | -   | -    |

| % of output contracted        | 100% | 75% | 75% | 50%    |
K2 Wind

- 270 MW (Siemens turbines) wind project located in southern Ontario with 20-year PPA with the Ontario Power Authority
- Equal 1/3 partnerships with Samsung and Pattern Renewable Holdings
- $850M project financing completed in Mar/14
- Total estimated project cost revised to $930M from $900M due to F/X changes on USD contract deliverables; CPX’s share is $310M
- With higher portion of the project financed with project debt than originally forecast; expect higher equity returns on the project
- Construction started in early 2014 with expected COD in mid-2015
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
- Executed agreements with Mitsubishi Hitachi for supply and maintenance of the world’s most advanced J-Class natural gas turbine technology in commercial operation in a two train 1-on-1 configuration
- Targeting 2019 commercial operations date for Genesee 4
- Total project capital cost is $1.4B excluding IDC and refundable transmission system contribution payments
- Expected unlevered after-tax IRR of approximately 11% and will be accretive to earnings and cash flow
In Dec/14, completed the acquisition of Element Power US for ~US$69M (includes US$52M of project financing)

Primary driver for the acquisition was to build a portfolio of development projects in strategic locations in the U.S.

- 10 wind development sites
- 4 solar development sites, including Beaufort Solar that has a 15 MW solar contract with Duke Energy Progress, Inc.

Includes Macho Springs, a 50 MW operating wind project in Luna County, New Mexico

- COD in Nov 2011
- 20-year PPA with Tucson Electric Power; 100% contracted through 2031
- Tax Equity and Term Loan with MetLife
## Element Power US – strategic fit

<table>
<thead>
<tr>
<th>Market</th>
<th>Strategy</th>
<th>Element Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPP</td>
<td>• Strong wind regime</td>
<td>• 200 MW wind project in Kansas</td>
</tr>
<tr>
<td></td>
<td>• Adjacent to transmission build-out</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Affordable land positions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Low construction cost</td>
<td></td>
</tr>
<tr>
<td>Upper Midwest</td>
<td>• Coal dependency</td>
<td>• 99 MW wind project in North Dakota</td>
</tr>
<tr>
<td></td>
<td>• Strong wind regime</td>
<td>• 100 MW wind project in North Dakota</td>
</tr>
<tr>
<td></td>
<td>• Affordable land positions</td>
<td>• 150 MW wind project in Illinois</td>
</tr>
<tr>
<td></td>
<td>• Low construction cost</td>
<td>• 182 MW wind project in Ohio</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 200 MW wind project in Iowa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 60 MW wind project in Michigan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 200 MW wind project in Wisconsin</td>
</tr>
<tr>
<td>SERC</td>
<td>• Coal dependency</td>
<td>• 15 MW solar project in North Carolina</td>
</tr>
<tr>
<td></td>
<td>• Large land positions in agricultural areas</td>
<td>• 2 x 29 MW solar projects in Georgia</td>
</tr>
</tbody>
</table>
Beaufort Solar

- Board has approved the 15 MW solar project in North Carolina, U.S.
- Fully contracted facility with a 15-year PPA with Duke Energy
- Commercial operations date (COD) targeted for Dec/15
- Sale leaseback structure; sell to tax equity investor at COD in exchange for lease payments

Capital Power’s first solar project
Growth opportunities in Canada
Natural gas and wind development sites
Growth opportunities in the U.S.
Natural gas and renewable development sites
Financial outlook

- 2015 Alberta power forwards are currently in the low-$30/MWh range, which is lower than our original forecast assumption of $44/MWh
- At the beginning of the year, Alberta baseload position for 2015 was significantly hedged in the mid-$50/MWh
- No change to revised FFO guidance; expect 2015 FFO in the lower end of $365M to $415M guidance range
- Company’s financial strength is based on the foundation of strong contracted cash flow which is not significantly impacted by changing Alberta power prices – remain confident in our credit rating and dividend growth outlook
Q1/15 Performance and 2015 targets

Operational and financial targets

- **Plant availability**: Q1/15 98%, 2015 Target 94%
- **Plant operating & maintenance expenses**: Q1/15 $41M, 2015 Target $180-$200M
- **Funds from operations**: Q1/15 $108M, 2015 Target $365-$415M
- **Sustaining capex**: Q1/15 $6M, 2015 Target $65M

**On-track to meet 2015 targets**
2015 Development & construction targets

On-time, on-budget and safe development of committed projects

K2 Wind (Ontario)
- Complete construction for COD in mid-2015

Genesee 4&5 (Alberta)
- Transition from development to construction
Why invest in Capital Power

**Strong contracted cash flow growth supports annual dividend growth**

### Operational excellence
- Excellent assets in good markets with solid operating performance
- On-going improvements to operating cost base, fleet availability and risks

### Contracted cash flows
- Substantial growth in contracted operating margins expected to fully cover financial obligations and dividends in 2015 and beyond
- Supports consistent annual dividend growth<sup>(1)</sup>

### Alberta power market upside
- Own the best fleet in the best merchant power market in North America
- Well positioned to weather the bottom of the power market cycle; significant % of merchant cash flows hedged in the near-term

### Growth
- Genesee 4&5 best positioned to be the next large natural gas-fired generation project to be built in Alberta
- Strong pipeline of contracted growth opportunities in North America

---

<sup>(1)</sup> Subject to Board approval.
Alberta power market

- Competitive wholesale and retail energy market
- Installed generation capacity of 16 GW
- Entire province is a single zone where power prices are determined by the bid price of the incremental power generator – no capacity market
- Well functioning and stable market design
- Alberta continues to experience strong load growth; AESO forecasts average annual demand to grow by 4.4% for the next five years\(^1\)
- Legislated retirement dates for coal fired plants
- Approximately 1,200 MW of generation projects under construction that are expected to connect to the grid by end of 2015

Alberta generation and load mix

Current installed generation\(^{(1)}\)
(MW and % of installed capacity)

- Wind: 1,434 MW (9%)
- Biomass/Other: 864 MW (3%)
- Hydro: 894 MW (6%)
- Gas-Fired: 2,660 MW (16%)
- Cogen: 4,483 MW (28%)
- Coal: 6,271 MW (40%)

Generation mix outlook in 2034\(^{(2)}\)

- Wind: 2,679 MW (11%)
- Biomass/Other: 864 MW (3%)
- Hydro: 894 MW (11%)
- Coal: 2,509 MW (10%)
- Gas-Fired: 11,270 MW (45%)
- Cogen: 6,737 MW (27%)

Gas-fired and Cogen account for 44% of current generation, which is expected to increase to 72% in the next two decades primarily from the retirement of coal-fired units.

---

1) Source: AESO 2014 Market Statistics
2) Source: AESO 2014 Long Term Outlook
Alberta demand by end use

2013 Demand by end use\(^{(1)}\)

- Industrial: 45%
- Oilsands: 19%
- Residential: 13%
- Commercial: 20%
- Farm: 3%

2034 Demand by end use\(^{(1)}\)

- Industrial: 40%
- Oilsands: 29%
- Residential: 11%
- Commercial: 19%
- Farm: 1%

Demand from Industrial and Oilsands account for 64% of current demand, that is expected to grow to 69% in 2034

1) Source: AESO 2014 Long Term Outlook (May 2014)
Historical Alberta prices

Daily average power prices

Annual average power prices and AECO
(Annual power prices have averaged $65/MWh in the past 14 years)
Alberta market design

Stable market design has signalled the addition of 6 GW of new generation

1) Source: AESO
### AB power market - capacity additions

**Committed projects**

<table>
<thead>
<tr>
<th>Project</th>
<th>Owner</th>
<th>Capacity (MW)</th>
<th>Generation type</th>
<th>COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shepard Energy Centre</td>
<td>Capital Power / ENMAX</td>
<td>800</td>
<td>Combined Cycle</td>
<td>Q1/15</td>
</tr>
<tr>
<td>Cold Lake (Nabiye) 2</td>
<td>Imperial Oil</td>
<td>170</td>
<td>Cogeneration</td>
<td>Q1/15</td>
</tr>
<tr>
<td>Kearl</td>
<td>Imperial Oil</td>
<td>100</td>
<td>Cogeneration</td>
<td>Q1/15</td>
</tr>
</tbody>
</table>

**Proposed projects**

<table>
<thead>
<tr>
<th>Project</th>
<th>Owner</th>
<th>Capacity (MW)</th>
<th>Generation type</th>
<th>Proposed COD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deerland</td>
<td>Maxim Power</td>
<td>186</td>
<td>Peaking</td>
<td>2016</td>
</tr>
<tr>
<td>Bonnybrook</td>
<td>ENMAX</td>
<td>168</td>
<td>Peaking</td>
<td>2016</td>
</tr>
<tr>
<td>HR Milner Expansion</td>
<td>Maxim Power</td>
<td>90</td>
<td>Peaking</td>
<td>2016</td>
</tr>
<tr>
<td>Whitetail Peaking Station</td>
<td>Enbridge</td>
<td>186</td>
<td>Peaking</td>
<td>2016</td>
</tr>
<tr>
<td>Kent Generation</td>
<td>AltaGas</td>
<td>100</td>
<td>Peaking</td>
<td>2016</td>
</tr>
<tr>
<td>Carmon Creek</td>
<td>Shell</td>
<td>600</td>
<td>Cogeneration</td>
<td>2016</td>
</tr>
<tr>
<td>Fort Hills</td>
<td>Suncor</td>
<td>170</td>
<td>Cogeneration</td>
<td>2016</td>
</tr>
<tr>
<td>Harmattan Energy Centre</td>
<td>Grand Prairie Generation</td>
<td>95</td>
<td>Peaking</td>
<td>2017</td>
</tr>
<tr>
<td>Heartland 1</td>
<td>ATCO Power</td>
<td>400</td>
<td>Combined Cycle</td>
<td>2017</td>
</tr>
<tr>
<td>Saddlebrook</td>
<td>TransCanada</td>
<td>350</td>
<td>Combined Cycle</td>
<td>2017</td>
</tr>
<tr>
<td>Milner 2 Phase 1</td>
<td>Maxim Power</td>
<td>260</td>
<td>Combined Cycle</td>
<td>2018</td>
</tr>
<tr>
<td>Heartland 2</td>
<td>ATCO Power</td>
<td>400</td>
<td>Combined Cycle</td>
<td>2018</td>
</tr>
<tr>
<td>Calgary Energy Centre Peaking</td>
<td>ENMAX</td>
<td>190</td>
<td>Peaking</td>
<td>2018</td>
</tr>
<tr>
<td>Sundance 7</td>
<td>TransAlta</td>
<td>850</td>
<td>Combined Cycle</td>
<td>2018</td>
</tr>
<tr>
<td>Genesee 4</td>
<td>Capital Power / ENMAX</td>
<td>530</td>
<td>Combined Cycle</td>
<td>2019</td>
</tr>
<tr>
<td>Genesee 5</td>
<td>Capital Power / ENMAX</td>
<td>530</td>
<td>Combined Cycle</td>
<td>2020</td>
</tr>
<tr>
<td>Milner 2 Phase 2</td>
<td>Maxim Power</td>
<td>260</td>
<td>Combined Cycle</td>
<td>2020</td>
</tr>
<tr>
<td>Heartland 3</td>
<td>ATCO Power</td>
<td>400</td>
<td>Combined Cycle</td>
<td>2020</td>
</tr>
</tbody>
</table>

1) Source: AESO February 2015 Long Term Adequacy Metrics
Alberta power market summary

Alberta’s market design framework
- Has attracted continued investment by various parties for different fuel types
- Ensures investment risk is borne by investors and not ratepayers/taxpayers
- Provides participants with options and choices for managing their commodity price risk

Capital Power believes Alberta’s market design is sustainable and will continue to attract investment
- No major market reforms required
- Effective implementation of existing policy directives, particularly new transmission development

“…analysis confirms that, from a resource adequacy and generation investment perspective, the Alberta electricity market is generally well functioning based on current market conditions and policies. The current market design should be able to address the identified resource adequacy challenges and there is no compelling or immediate need for major design changes to address these challenges.” (The Brattle Group, Inc., Mar/13)
# Capital Stock Turnover (CST) (CO₂)

- Limits unscrubbed coal-fired plant life to 45-50 years

- **Unit Commercial Operation Date (COD) year**
  - End of Life COD prior to 1975 = earlier of 50 years or 2019
  - COD in or after 1975 but before 1986 = earlier of 50 years or 2029
  - COD in or after 1986 = 50 year life or end of PPA

- All Capital Power coal assets given 50 year-life

- Keephills 2 and Keephills 1 only received 45, 46 year-life

---

# Clean Air Strategic Alliance (CASA) (NOₓ and SO₂)

- Compliance through meeting physical BATEA\(^1\) or use of credits to financially comply 41\(^{st}\) to 50\(^{th}\) years

- **BATEA limit**
  - \(\text{SO}_2\) = 0.65 kg/MWh
  - \(\text{NO}_x\) = 0.47 kg/MWh

- Credits must be sourced from same sector

- Current emission levels from sub-critical units
  - \(\text{SO}_2\) = 1.7 to 6.8 kg/MWh
  - \(\text{NO}_x\) = 1.6 to 2.5 kg/MWh

---

\(^1\) BATEA: Best available technology economically achievable
Debt maturity schedule\(^{(1)}\)

$1.2B in credit facilities with 3-year tenor maturing 2018, of which $1.1B is available

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

1) As of March 31, 2015, excludes non recourse debt (CAD $27M for Joffre and USD $65M for Macho Springs).
2) Callable debt, however does not mature until 2015 ($9M), 2016 ($139M), 2017 ($10M), and 2018 ($174M).
## Summary of assets

<table>
<thead>
<tr>
<th>Alberta Contracted</th>
<th>Alberta Commercial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Genesee 1</strong></td>
<td><strong>Genesee 2</strong></td>
</tr>
<tr>
<td>Capacity</td>
<td>430 MW</td>
</tr>
<tr>
<td>% owned / operated</td>
<td>100 / 100</td>
</tr>
<tr>
<td>Location</td>
<td>Warburg</td>
</tr>
<tr>
<td>Fuel &amp; equipment</td>
<td>Coal (50% ownership of coal mine)</td>
</tr>
<tr>
<td>PPA Expiry</td>
<td>2020</td>
</tr>
</tbody>
</table>
## Summary of assets

<table>
<thead>
<tr>
<th>Kingsbridge Island Generation</th>
<th>Quality Wind</th>
<th>Port Dover &amp; Nanticoke</th>
<th>Roxboro</th>
<th>Southport</th>
<th>Macho Springs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>40 MW</td>
<td>275 MW</td>
<td>142 MW</td>
<td>105 MW</td>
<td>46 MW</td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 / 100</td>
<td>100 / 100</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<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>Roxboro, North Carolina</td>
</tr>
<tr>
<td><strong>Fuel &amp; equipment</strong></td>
<td>Vestas wind turbines</td>
<td>Natural gas (Alstom GT24B gas turbine &amp; Alstom steam turbine)</td>
<td>Vestas wind turbines</td>
<td>Vestas wind turbines</td>
<td>Mixture of wood residuals, tire-derived fuel and coal</td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>2026 / 2027</td>
<td>2022</td>
<td>2037</td>
<td>2033</td>
<td>2021</td>
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</table>

### Ontario & British Columbia Contracted

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<td>2037</td>
<td>2033</td>
<td>2021</td>
</tr>
</tbody>
</table>

### U.S. Contracted

<table>
<thead>
<tr>
<th>Kingsbridge Island Generation</th>
<th>Quality Wind</th>
<th>Port Dover &amp; Nanticoke</th>
<th>Roxboro</th>
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<td><strong>% owned / operated</strong></td>
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<td>100 / 100</td>
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<td>2022</td>
<td>2037</td>
<td>2033</td>
<td>2021</td>
</tr>
</tbody>
</table>
## Projects under development/construction

<table>
<thead>
<tr>
<th></th>
<th>K2 Wind</th>
<th>Beaufort Solar</th>
<th>Genesee 4&amp;5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>270 MW</td>
<td>15 MW</td>
<td>Up to 1,060 MW</td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td>33.3% owned</td>
<td>100 / 100</td>
<td>50 / 100</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Ashfield-Colborne-Wawanosh, Ontario</td>
<td>Beaufort County, North Carolina</td>
<td>Warburg, Alberta</td>
</tr>
<tr>
<td><strong>Fuel &amp; equipment</strong></td>
<td>Siemens wind turbines</td>
<td>Solar</td>
<td>Combined-cycle natural gas (Mitsubishi J-Class natural gas turbine technology)</td>
</tr>
<tr>
<td><strong>Commercial Operations</strong></td>
<td>Expected mid-2015</td>
<td>Expected Dec, 2015</td>
<td>Targeting 2019 for Genesee 4</td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>20-year PPA with Ontario Power Authority for $135/MWh</td>
<td>15-year PPA with Duke Energy</td>
<td>8-year tolling arrangement with ENMAX for 50% of Capital Power's share of the output.</td>
</tr>
<tr>
<td><strong>Expected Capital Cost</strong></td>
<td>$310M (represents Capital Power's one-third share of project cost, including project financing)</td>
<td>Approximately US$32-$35M</td>
<td>$1.4B for total project (excluding interest during construction and refundable transmission system contribution payments)</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, and gains on disposals (adjusted EBITDA), (ii) funds from operations (FFO), (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 April 23, 2015 for the quarter ended March 31, 2015, 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 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 in this presentation includes expectations regarding:

- future revenues, expenses, earnings and funds from operations,
- the future pricing of electricity and market fundamentals in existing and target markets,
- 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, and
- capital expenditures for plant maintenance and other.

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 and Targets for 2015 sections in the Company’s Q1/15 Management's Discussion and Analysis (MD&A).

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 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

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