Capital Power overview

- Canadian-based, growth-oriented independent power producer (IPP) operating in North America
- Spin-off of power generation assets from EPCOR / IPO in July 2009
- CPX recently added to S&P/TSX Composite Index in June 2011
  - Market cap of ~$2.5B (fully diluted)\(^{(1)}\)
- Business model:
  - Commitment to deliver disciplined growth
  - Generate stable and growing cash flows
  - Maintain continual access to cost competitive capital
  - Commitment to maintain an attractive dividend

Vision: to be one of North America’s most respected, reliable, and competitive generators

\(^{(1)}\) As of Aug 31/11
Corporate strengths

- Large, high quality generation portfolio
- Young and modern fleet
- Proven operating and construction history
- Financial strength with access to capital
- Solid platform for sustainable growth

Goal: to triple size to 10,000 megawatts by 2020 on a consistently accretive basis.
Large, high quality generation portfolio
Interests in 35 facilities, ~3,600 MW\(^{(1)}\)

Segmented owned capacity by MW\(^{(1)}\)

- Additional facilities to come on line
  - 3 wind projects (397 MW) located in BC, AB, and ON with expected CODs in 2012
  - 1 wind project (90 MW net) in ON with expected COD in 2014

(1) Owned capacity as of Sep 1/11 including pro-rata 29% ownership of CPILP; excludes Sundance PPA (371 MW)
Expected segmented owned capacity

Current:
35 facilities (3,634 MW\(^{(1)}\))
- 45% contracted

By 2014 year-end:
17 facilities (3,755 MW\(^{(2)}\))
- 45% contracted

Contracted portion of owned MW capacity unchanged at 45% after divestiture of CPILP and addition of 4 new wind projects

(1) Owned capacity as of Sep 1/11 including pro-rata 29% ownership of CPILP; excludes Sundance PPA (371 MW)
(2) Owned capacity as of Sep 1/11 based on existing plants plus committed development projects and assuming divestiture of Capital Power Income L.P.
Technology focus
17 facilities (3,755 MW\(^{(1)}\))

- Expect to divest 3 small hydro plants (53 MW total) in the near term.
- Expected future growth from natural gas facilities (contracted & merchant) and renewables (contracted).
- Exploring solar development and acquisition projects in US Southwest market.

(1) Owned capacity as of Sept 1/11 based on existing plants plus committed development projects and assuming divestiture of Capital Power Income L.P.
Modern fleet

- Current fleet with average facility age of ~12 years will become younger after 4 new projects (487 MW) begin commercial operations in 2012 and 2014.
- Coal-fired generating facilities, which have historically represented the majority of the portfolio, have useful lives of up to 45 years.

Average facility age of 11.8 years\(^{(1)}\)

---

\(^{(1)}\) Average facility age weighted by owned capacity as of Sep 1/11 - based on existing plants plus committed development projects and assuming divestiture of Capital Power Income L.P.
Proven operating history

Historical operating performance

3-year average plant availability of 93%

(1) Proportionate CPILP generation ownership interest of 30.6% in 2008, 30.5% in 2009 and 29.6% in 2010
Proven construction capability

- Foundation of proven capability and processes in construction
- Significant experience in the construction and operation of both thermal (coal, natural gas) and renewable (wind, biomass, small hydro) facilities
- Capital Power (predecessor EPCOR Utilities Inc.) led construction of 7 facilities (1,560 MW) including Genesee 3 and Keephills 3 in past 10 years
  - Genesee 3, one of the very few large construction projects built in Alberta over the last six years that was on time and on budget
  - Keephills 3, the most advanced coal-fired plant ever built in Canada, completed Sep 1/11 with total expected costs of ~$2B and with a safety record that was one of best in the industry
- Have measured well in terms of construction costs and schedules despite an overheated Alberta market when large capital projects >$500M overran budgets by 40% or more
- Developing 4 wind projects (487 MW) located in BC, AB and ON with expected COD in 2012 and 2014
Financial strength and access to capital

- Investment grade minimum BBB credit rating to access debt markets
  - Current BBB credit rating from S&P and DBRS
  - Access to competitive cost of capital to fund growth
  - Significant differentiator from many U.S. IPPs

- Strong balance sheet
  - Debt-to-capitalization ratio\(^{(1)}\) of 44%
  - Assets\(^{(1)}\) of ~$4.5B with ~$1.7B of long-term debt\(^{(1)}\)
  - CPLP has $1.2 B in credit facilities, of which ~$0.8B available

- Financial ratio targets
  - Minimum 20% FFO/Debt
  - Debt to Capitalization of 40% - 50%

- Stable dividend with growth over time

---

(1) All figures as of Jun 30/11. Capital Power Income L.P. accounted for on an equity basis.
Successful capital markets financings

- For 2011 YTD, raised ~$1.1B in gross proceeds (44% equity / 56% debt) to fund growth
- Well spread-out debt maturities are supported by long asset lives

Debt maturity schedule\(^{(1)}\)

\[(\text{\$M})\]

- 2011: $201
- 2012: $25
- 2013: $256
- 2014: $14
- 2015: $315
- 2016: $145
- 2017: $15
- 2018: $179
- 2019: $5
- 2020: $305
- 2021: US $230
- 2026: US $65

\(^{(1)}\) All figures as of June 30, 2011
North American platform & growth strategy

- Significant growth through acquisitions and development
- Maintain discipline on:
  - Geography
  - Size
  - Fuel type
  - Economics

- Capital Power facilities
- Assets Under Construction
Growth from Alberta power market

- Alberta (AB) has a competitive wholesale energy and ancillary services market operated by the Alberta Electric System Operator (AESO); market has an installed generation capacity of ~13,000 MW
- No capacity market – power generators must recover all costs through revenue earned in AB’s energy and ancillary services market
- Entire province is a single zone where power prices are determined by the bid price of the incremental power generator (i.e. one with the highest cost of generation) that is dispatched to balance demand and supply in real-time
- AB’s economy expected to grow above national average rate due to the impact of continued oil sands development activities that is a fundamental driver to increasing power demand
- AESO estimates both peak and energy growth will increase on average at around 4.8% annually from 2012-16\(^{(1)}\)

\(^{(1)}\) AESO Future Demand and Energy Outlook, February 2010
Capturing upside from AB power prices

- Hedging positions based primarily on generation from Genesee 3 baseload coal plant, output from the Sundance PPA and includes Keephills 3 (COD Sep 1/11)
- Actively trading (portfolio optimization) throughout various time periods to create incremental value to portfolio
- CPX’s realized AB power price have on average exceeded spot power prices by ~$7.50/MWh over the past 2 years through forward contract sales and power trading activities

Achieved realized prices above spot prices in 6 out of the last 8 quarters
Alberta portfolio hedged position

- Hedged positions as of Jun 30/11

<table>
<thead>
<tr>
<th></th>
<th>Jul - Dec 2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hedged positions (%) hedged</td>
<td>~80%</td>
<td>~35%</td>
<td>~17%</td>
</tr>
<tr>
<td>Average hedged prices</td>
<td>Low-$60/MWh</td>
<td>Mid-$60/MWh</td>
<td>Mid-$60/MWh</td>
</tr>
</tbody>
</table>

- Sensitivity analysis to a $10/MWh change in Alberta power prices
  - H2 2011: +/- $5M to operating margin
  - 2012: +/- $40M to operating margin
  - 2013: +/- $60M to operating margin

Large unhedged positions in 2012-13 to capture upside from rising power prices
2011 Growth announcements

- Launched presence in US Northeast market with the acquisition of 3 natural gas plants (1,069 MW total) in New England

<table>
<thead>
<tr>
<th>Location</th>
<th>Rumford, Maine</th>
<th>Tiverton, Rhode Island</th>
<th>Bridgeport, Connecticut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Type</td>
<td>Natural Gas</td>
<td>Natural Gas</td>
<td>Natural Gas</td>
</tr>
<tr>
<td>Size</td>
<td>270 MW (Winter Capacity)</td>
<td>279 MW (Winter Capacity)</td>
<td>520 MW</td>
</tr>
<tr>
<td>Costs</td>
<td>~US$315M</td>
<td></td>
<td>~US$355M</td>
</tr>
<tr>
<td>COD</td>
<td>2000</td>
<td>2000</td>
<td>1999</td>
</tr>
</tbody>
</table>
Acquisition of Halkirk Wind

- Announced 100% acquisition of the Halkirk Wind LP from Greengate Power Corporation in Jun/11
- 150 MW wind development project located east of Red Deer, AB
- 20-year fixed-price agreement with Pacific Gas & Electric Company for the purchase of Renewable Energy Certificates (RECs) representing ~40% to 45% of total revenues
- Total capital cost expected to be $357M, including acquisition costs ($33M)
- Commercial operation expected in H2-12

Halkirk is a hybrid opportunity that combines a base of contracted revenue from a creditworthy counterparty with the upside of Alberta’s merchant power market
Development of K2 Wind Ontario

- Capital Power, Samsung Renewable Energy Inc., and Pattern Renewable Holdings Canada announced a limited partnership agreement on Aug 3/11 for the development, construction and operation of K2 Wind Ontario
  - Equal economic interest in the project by three partners

- 270 MW wind development project located in southwestern Ontario near CPC’s Kingsbridge I facility

- 20-year PPA with Ontario Power Authority for $135/MWh

- Expected capital cost of $750M - $900M

- Construction expected to begin in 2013 with commercial operation in 2014
Capital Power’s growth\(^{(1)}\)

Since 2009 IPO, ~2,400 MW (173% increase) have been added or currently being developed

(1) Based on MW capacity owned and/or operated plus committed projects, and excludes interests in Capital Power Income L.P.
Investment highlights summary

- Large, high quality generation portfolio
- Solid platform for growth
- Young and modern fleet with proven operating history
- Financial strength with access to capital
- Long-term contracts & merchant position provides stable cash flows & upside opportunities
- Diversified portfolio in attractive North American markets

Capital Power Corporation
AB reserve margin forecast

- Supply-demand balance (reserve margin) expected to be tight until Shepard (800 MW) COD in 2015, and then gradually tighten through the early 2020s
  - Bringing significant upside to power prices in AB market
- When AB net reserve margin falls below 10%, new generation will typically be economic
- Significant opportunities in the late decade or early 2020s for developers of generation as coal unit retirements kick in

Source: Internal forecast
AB cost of generation (COG)

- Sustained higher power prices are required to incent new builds
- Current market fairly well-supplied, significantly tighter now due to shutdown of Sundance 1 & 2 & COD of Keephills 3
- After Shepard COD in 2015, additional generation not economic until the very late decade or early 2020s
- New generation likely to be baseload NGCC to replace retiring coal units
- Wind development not economic in AB without RECs
- If Capital Stock Turnover proceeds, market likely to be relatively balanced through the 2020s as coal plant retirements balanced by NGCC additions

Source: Internal forecast
## AB power market (new builds/retirements)

- New builds/retirements (major projects of 100+ MW) over the next 5 years based on internal assumptions

<table>
<thead>
<tr>
<th>Project</th>
<th>Capacity (MW)</th>
<th>Developer</th>
<th>Type</th>
<th>COD year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Halkirk</td>
<td>150</td>
<td>Capital Power</td>
<td>Wind</td>
<td>2012</td>
</tr>
<tr>
<td>Blackspring Ridge I Wind</td>
<td>300</td>
<td>Greengate Power Corp</td>
<td>Wind</td>
<td>2013</td>
</tr>
<tr>
<td>Bonnybrook</td>
<td>177</td>
<td>Enmax</td>
<td>Cogeneration</td>
<td>2013</td>
</tr>
<tr>
<td>Shepard Energy Centre</td>
<td>800</td>
<td>Enmax</td>
<td>Combined cycle</td>
<td>2015</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facility</th>
<th>Capacity (MW)</th>
<th>Owner</th>
<th>Type</th>
<th>Retirement year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sundance 1</td>
<td>280</td>
<td>TransAlta</td>
<td>Coal steam</td>
<td>2011</td>
</tr>
<tr>
<td>Sundance 2</td>
<td>280</td>
<td>TransAlta</td>
<td>Coal steam</td>
<td>2011</td>
</tr>
</tbody>
</table>
Organizational structure

EPCOR Utilities Inc. indirectly holds 47.416 million Special Voting Shares of Capital Power, the one Special Limited Voting Share of Capital Power, and the one Special Limited Voting Share of the general partner of CPLP.

Interest held through Capital Power LP Holdings Inc., a wholly-owned subsidiary of Capital Power.

CP Regional Power Services Limited Partnership.

Stated capacity represents owned and / or operated capacity.

CPLP has a 49% voting interest and a 100% economic interest in CPI Investments Inc., a holding company that owns approximately 29.2% of the limited partnership units of CPILP and 100% of the shares of the general partner of CPILP. EPCOR Utilities Inc. owns the other 51% voting interest in CPI Investments Inc. CPILP facilities are managed and operated by indirect subsidiaries of Capital Power.
## Summary of assets

<table>
<thead>
<tr>
<th>Alberta Contracted</th>
<th>Alberta Commercial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genesee 1</td>
<td>Genesee 2</td>
</tr>
<tr>
<td>Electric Capacity</td>
<td>410 MW</td>
</tr>
<tr>
<td>% owned / operated</td>
<td>100 / 100</td>
</tr>
<tr>
<td>Fuel</td>
<td>Coal</td>
</tr>
<tr>
<td>PPA Expiry</td>
<td>2020</td>
</tr>
<tr>
<td></td>
<td>Kingsbridge</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td><strong>Ontario &amp; British Columbia Contracted</strong></td>
<td>40 MW</td>
</tr>
<tr>
<td><strong>US Northeast Commercial</strong></td>
<td>100 / 100</td>
</tr>
<tr>
<td><strong>Electric Capacity</strong></td>
<td></td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td>100 / 100</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Goderich, Ontario</td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>Wind</td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>2026 / 2027</td>
</tr>
</tbody>
</table>
# Summary of projects under development

<table>
<thead>
<tr>
<th></th>
<th>Halkirk</th>
<th>K2 Wind Ontario</th>
<th>Quality Wind</th>
<th>Port Dover &amp; Nanticoke</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electric Capacity</strong></td>
<td>150 MW</td>
<td>270 MW</td>
<td>142 MW</td>
<td>105 MW</td>
</tr>
<tr>
<td><strong>% owned / operated</strong></td>
<td>100 / 100</td>
<td>33.3% owned</td>
<td>100 / 100</td>
<td>100 / 100</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Halkirk, Alberta</td>
<td>Goderich, Ontario</td>
<td>Near Tumbler Ridge, BC</td>
<td>Located in an area that covers the counties of Norfolk and Haldimand, Ontario</td>
</tr>
<tr>
<td><strong>Fuel</strong></td>
<td>Wind</td>
<td>Wind</td>
<td>Wind</td>
<td>Wind</td>
</tr>
<tr>
<td><strong>Expected Commercial Operations</strong></td>
<td>2012</td>
<td>2014</td>
<td>2012</td>
<td>2012</td>
</tr>
<tr>
<td><strong>PPA Expiry</strong></td>
<td>~40% - 45% of total revenues from 20-year REC sale agreement / Merchant</td>
<td>20-year PPA with Ontario Power Authority for $135/MWh</td>
<td>25-year EPA from BC Hydro</td>
<td>20-year PPA with Ontario Power Authority for $135/MWh</td>
</tr>
</tbody>
</table>
Forward-looking information

Certain information in this presentation is forward-looking within the meaning of Canadian securities laws as it relates to anticipated financial performance, events or strategies. When used in this context, words such as will, anticipate, believe, plan, intend, target, and expect or similar words suggest future outcomes. Forward-looking information in this presentation includes, among other things, information relating to: (i) expectations that the divestiture of Capital Power’s interest in CPILP (the “Sale”) and the acquisition by Capital Power of CPILP’s Roxboro and Southport plants in North Carolina (the “Acquisition”) will close in the fourth quarter of 2011; (ii) expectations regarding the consideration received by Capital Power pursuant to the Acquisition agreement; (iii) expectations that proceeds of the Sale will be used to fund CPC’s growth; (iv) expectations regarding the timing of commercial operation of the Halkirk Wind Project and its impact on earnings per share; (v) expectations regarding the Halkirk Wind Project’s sources of revenue (including expectations regarding the sale of Renewable Energy Credits); (vi) expectations that the Company will meet its target of 10,000 MW of generation capacity by 2020; (vii) expectations that growth will continue to be accretive to earnings per share and shareholder value; (viii) expectations that future growth will come primarily from natural gas and contracted renewables; (x) expectations regarding the Halkirk Wind Project’s economic interests at the commencement of commercial operation; (xi) expectations regarding the contribution of each of the partners to the partnership; (xii) expectations regarding the roles of each partner in the development of K2; and (xiii) expected timing of commercial operation, expected future generation capacity and project costs, and expected accretion of the Quality Wind and Port Dover & Nanticoke Wind projects.

These statements are based on certain assumptions and analyses made by Capital Power in light of its experience and perception of historical trends, current conditions and expected future developments and other factors it believes are appropriate. The material factors and assumptions used to develop these forward-looking statements include, but are not limited to: (i) the operation of the Capital Power’s facilities; (ii) power plant availability and dispatch, including Sundance which is subject to an acquired PPA; (iii) Capital Power’s financial position and credit facilities and sources of funding; (iv) Capital Power’s assessment of commodity and power markets, including future power prices and reserve margins; (v) Capital Power’s assessment of the markets and regulatory environments in which it operates; (vi) weather; (vii) availability and cost of labour and management resources; (viii) performance of contractors and suppliers; (ix) availability and cost of financing; (x) foreign
Forward-looking information (cont’d)

exchange rates; (xi) management’s analysis of applicable tax legislation; (xii) currently applicable and proposed tax laws will not change and will be implemented; (xiii) currently applicable and proposed environmental regulations will be implemented; (xiv) counterparties will perform their obligations; (xv) renewal and terms of PPAs; (xvi) ability to successfully integrate and realize benefits of its acquisitions, including the acquisition of the North Carolina assets and the Halkirk Wind Project; (xvii) ability to implement strategic initiatives which will yield the expected benefits; (xviii) ability to obtain necessary regulatory approvals for development projects; (xix) the Company’s assessment of capital markets, common share ownership distribution, and ability to complete future share and debt offerings; (xx) locations of projects and the areas of which they will be developed, including the availability and use of certain optioned lands; (xxi) costs of construction and development; (xxii) current risk management strategies including hedges will be in place; and (xxiii) the receipt of all required regulatory approvals and the satisfaction of all other conditions precedent to the closing of the Sale and Acquisition.

Whether actual results, performance or achievements will conform to Capital Power’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 Capital Power’s expectations. Such risks and uncertainties include, but are not limited to, risks and uncertainties relating to: (i) operation of Capital Power’s facilities; (ii) power plant availability and performance, including unplanned plant outages at facilities of other market participants; (iii) unanticipated maintenance and other expenditures; (iv) availability and price of energy commodities; (v) electricity load settlement; (vi) regulatory and government decisions including changes to environmental, financial reporting and tax legislation; (vii) weather and economic conditions; (viii) competitive pressures; (ix) construction; (x) availability and cost of financing; (xi) foreign exchange; (xii) availability and cost of labour, equipment and management resources; (xiii) performance of counterparties, partners, contractors and suppliers in fulfilling their obligations to Capital Power; (xiv) developments in the North American capital markets; (xv) compliance with financial covenants; (xvi) ability to successfully realize the benefits of acquisitions and investments; (xvii) the tax attributes of and implications of any acquisitions; (xviii) ability to secure new contracts and terms of such contracts; (xix) the failure to receive any required regulatory approvals in connection with the Sale or the Acquisition or the failure to satisfy any other condition to the Sale or the Acquisition; and (xx) the failure of Capital Power to realize expected benefits from the Sale and Acquisition. If any such risks actually occur, they could materially adversely affect Capital Power’s business, financial condition or results of operations. In that case the trading price of the Company’s common shares could decline, perhaps materially.

Readers are cautioned not to place undue reliance on any such forward-looking statements, which speak only as of the date made. Forward-looking statements are provided for the purpose of providing information about management’s current expectations, and plans relating to the future. Readers are cautioned that such information may not be appropriate for other purposes. Capital Power 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 Capital Power’s expectations or any change in events, conditions or circumstances on which any such statement is based, except as required by law.
Investor Relations contacts

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

Chris Williams
Senior Analyst
(780) 392-5105
cwilliams@capitalpower.com
www.capitalpower.com