



**{ CAPITAL POWER  
Investor Meetings**

**Brian Vaasjo, President & CEO  
Stuart Lee, SVP & CFO  
September, 2012**

# Capital Power overview



## Growth-oriented independent power producer (IPP)

- Trading on the TSX (CPX); ~\$2.1B market cap (diluted); EV ~\$3.8B
- Spin-off of power generation assets from EPCOR/IPO in mid-2009
- Growth through acquisitions / robust development pipeline



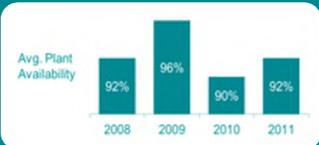
## Straight-forward business model

- Balanced portfolio of long-term contracted assets and merchant components, supported by an investment grade credit rating
- Focused on target markets in Western Canada (primarily Alberta), Ontario, US Southwest, US Northeast, and Mid-Atlantic US



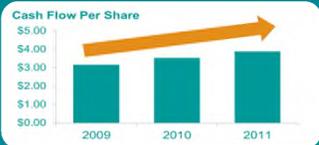
## High-quality generation portfolio

- Young and modern fleet with generation capacity of ~3,300 MW
- Generation from a combination of natural gas, coal, wind, and potentially solar
- Wind capacity will increase to 14% of owned generation by 2014



## Proven operating and construction history

- 4-year average plant availability of ~93%
- Significant experience in the construction and operation of both thermal (coal, natural gas) and renewable (wind, biomass) facilities



## Financial strength and strong cash flow generation

- BBB investment grade credit rating from S&P and DBRS
- 7.2% CAGR of cash flow per share from 2009-2011
- Attractive dividend yield of ~5.8%

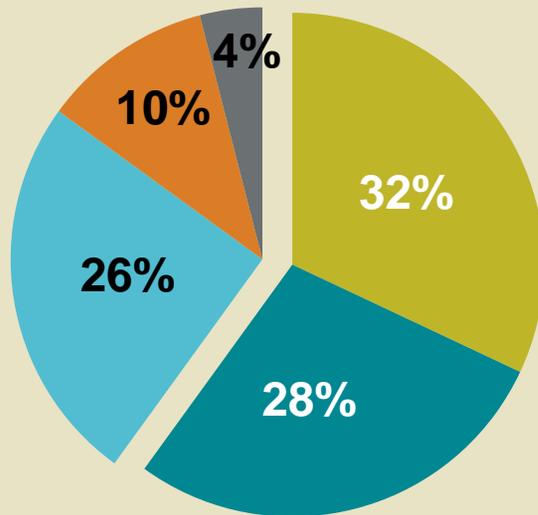
# Balanced portfolio of merchant and contracted generation<sup>(1)</sup>

*Contracted capacity to increase to 45% by 2014*

## Today - 2012

13 facilities (3,311 MW)

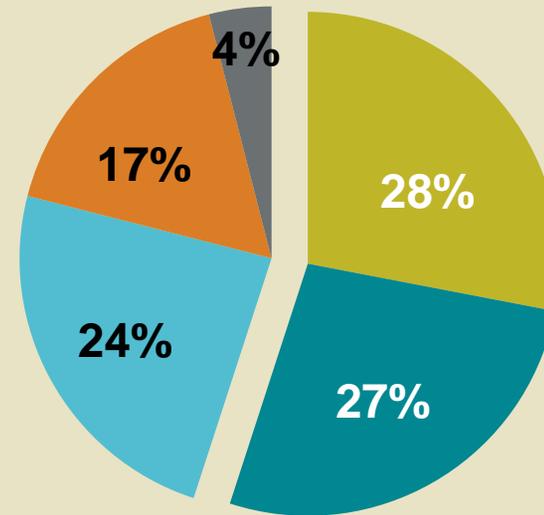
- 40% capacity contracted



## Year-end 2014E

17 facilities (3,798 MW<sup>(2)</sup>)

- 45% capacity contracted



AB commercial    
  US Northeast commercial    
  Mid-Atlantic contracted  
 AB contracted    
  ON / BC contracted

(1) Based on MW owned capacity; excludes Sundance PPA (371 MW), Clover Bar Landfill Gas (4.8 MW), and two small hydro plants (40MW total, divestiture transaction expected to close before end of Q4/12).

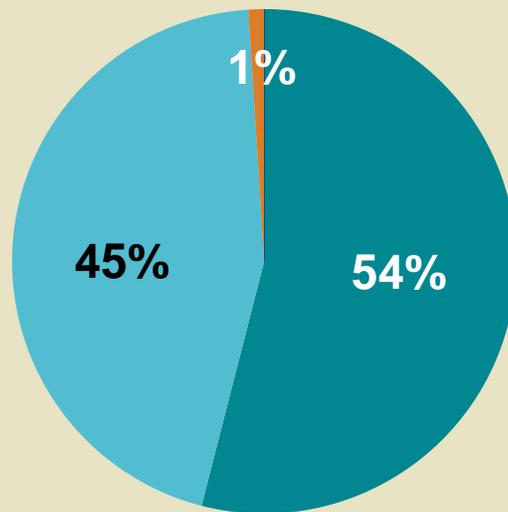
(2) Based on existing plants plus committed development projects.

# Technology focus<sup>(1)</sup>

*CPC's operations and growth are focused on four fuel sources: natural gas, coal, wind and solar*

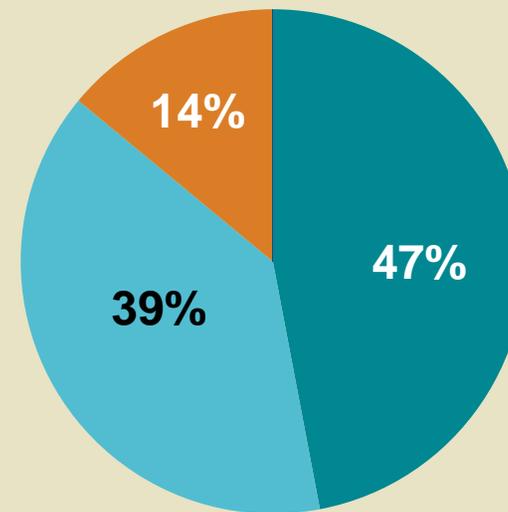
## Current

13 facilities (3,311 MW)



## By 2014 year-end

17 facilities (3,798 MW<sup>(2)</sup>)



■ Gas ■ Wind ■ Coal & solid fuels

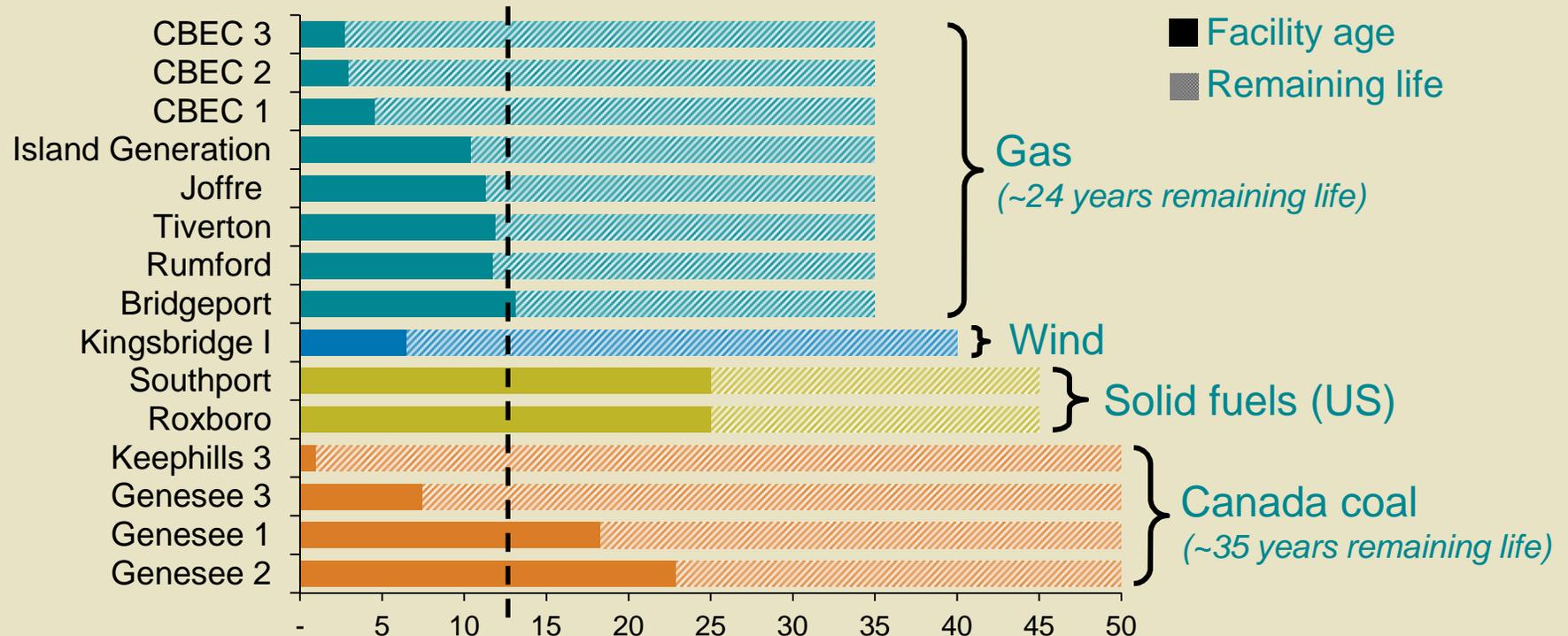
*Projects in development will increase owned wind capacity to 14% by 2014*

(1) Based on MW owned capacity; excludes Sundance PPA (371 MW), Clover Bar Landfill Gas (4.8 MW), and two small hydro plants (40MW total, divestiture transaction expected to close before end of Q4/12).

(2) Based on existing plants plus committed development projects.

# Modern fleet

- Average weighted facility age of the current fleet is 12.8 years<sup>(1)</sup>
- 4 new wind projects (487 MW) begin commercial operations in 2012 - 2014



- Federal Government has announced final regulations to address GHG emissions from coal-fired generation
- ~35 years remaining life on Capital Power's Canadian coal facilities

(1) Average facility age and remaining life weighted by owned capacity as of Sep 1/12; Excludes two small hydro plants (40MW total, divestiture transaction expected to close before end of Q4/12).

# GHG emission regulations for coal plants

- New coal-fired electricity generating units and those that have reached the end of their useful lives required to meet a CO<sub>2</sub> emissions performance standard of 420 tonnes CO<sub>2</sub> / GWh (ie. intensity level of NGCC technology)
- End of useful life for existing coal plants is 50 years from COD

Facility	COD	End of Life	Operating Years
Genesee 1	1994	2044	50
Genesee 2	1989	2039	50
Genesee 3	2005	2055	50
Keephills 3	2011	2061	50
Sundance 5 <sup>(1)</sup>	1978	2028	50
Sundance 6 <sup>(1)</sup>	1980	2029	49

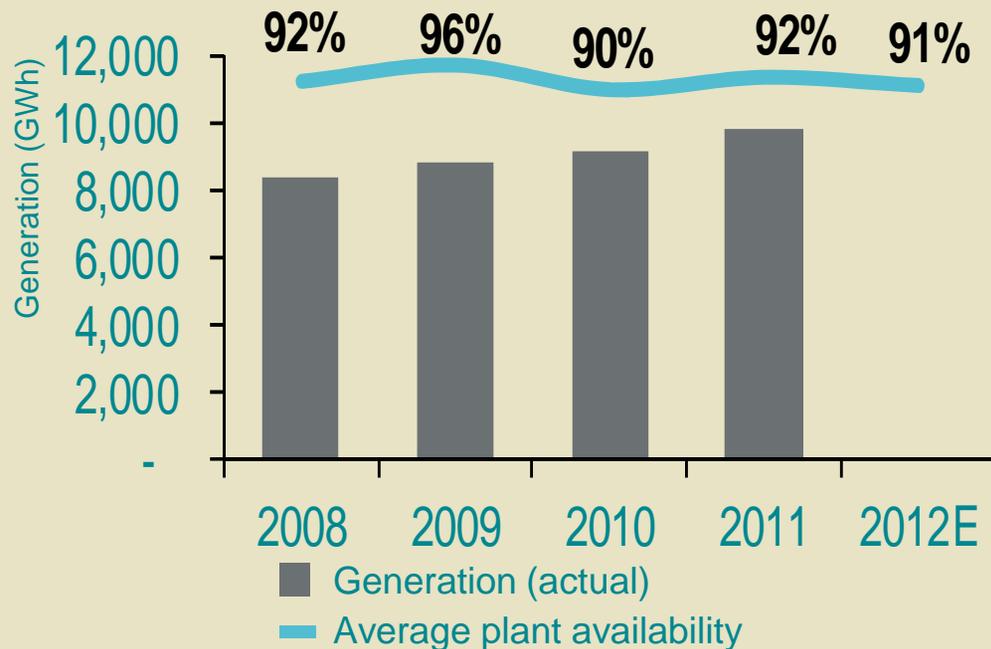
- Final regulations provides regulatory and investor certainty in:
  - Federal GHG compliance costs
  - Retirement dates
  - Replacement generation needs

(1) Capital Power is the PPA holder.

# Proven operating excellence

*Capital Power has maintained high operating availability over a growing fleet and production volumes*

Operating performance



- 4-year average plant availability of ~93%
- Q2/12 YTD plant availability of 89%

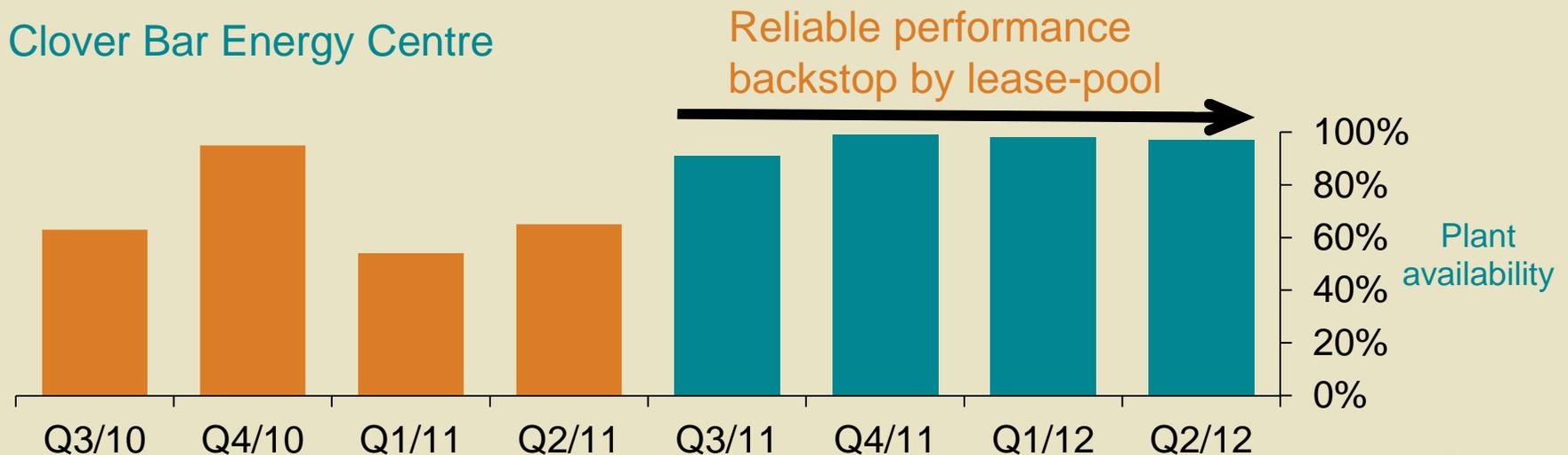


# Enhanced reliability at Clover Bar

*Participation in GE lease-pool minimizes outage periods and provides prudent risk management*

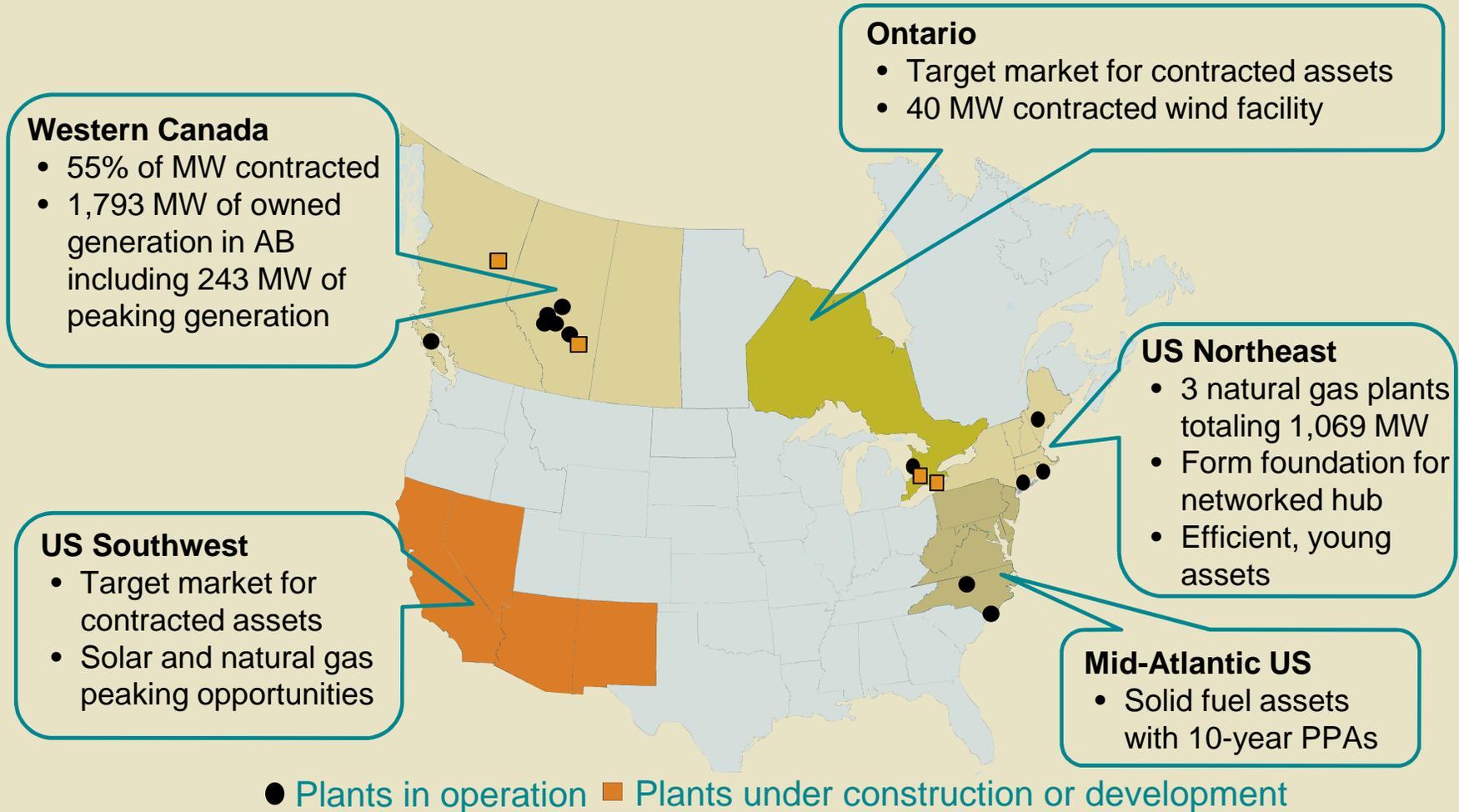
- LMS 100 units can be replaced by a leased unit from GE in 2 - 4 days
- Clover Bar (243 MW) provides significant ability to manage our portfolio
  - Can power up to full load in 10 minutes, providing flexibility to respond to sudden changes in price and manage overall portfolio
  - Provides upside on power price increases
  - Protects downside on plant outages; successfully deployed in Q4/11 to backstop outage at Genesee 3

## Clover Bar Energy Centre



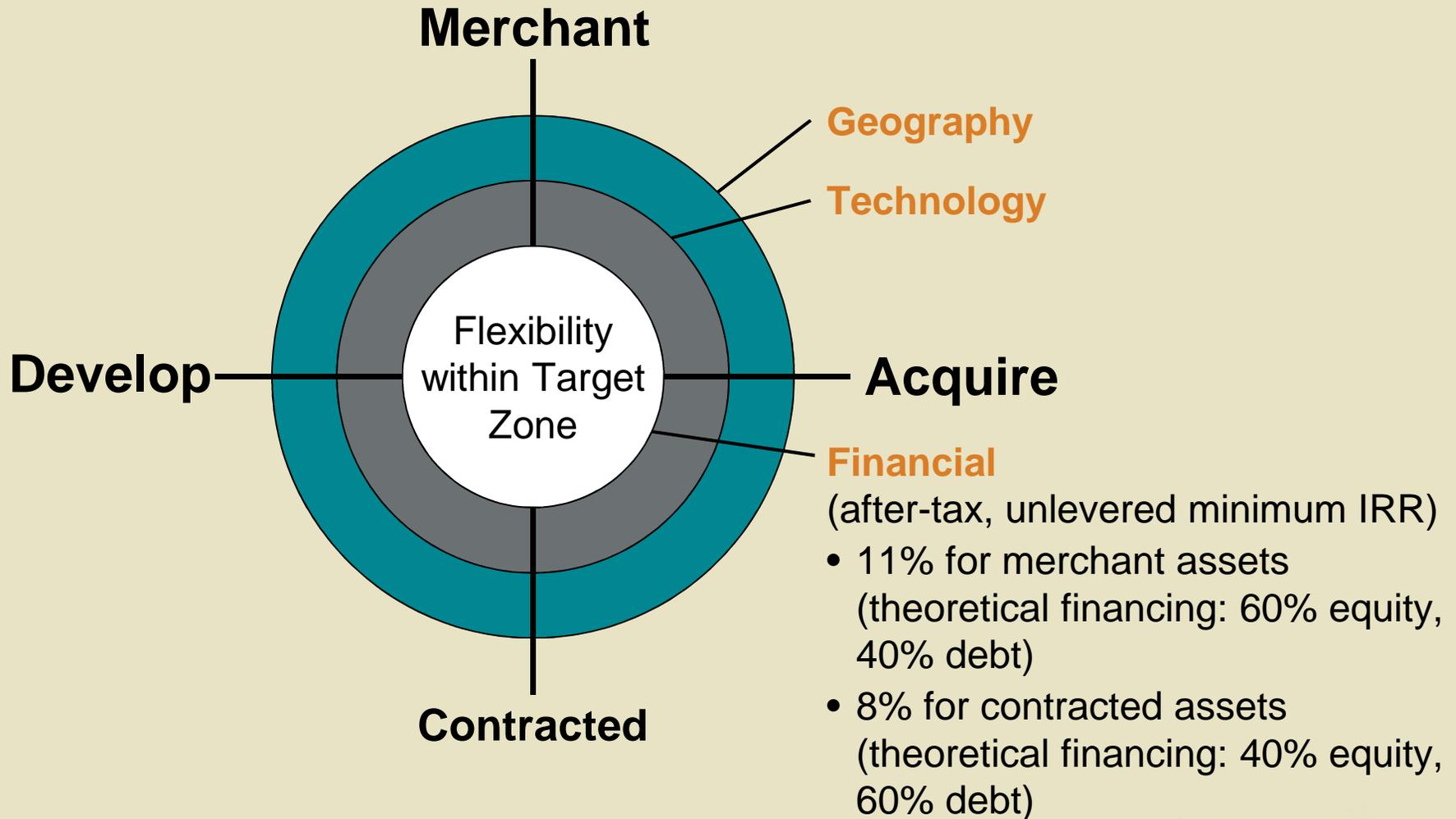
# North American footprint & target markets

Ownership interest in 13 facilities with more than 3,300 MW



# Framework for disciplined growth

*Capital Power's strategy drives opportunity evaluation*



# Significant accretion from 4 wind projects

## Quality Wind

- 142 MW, 25-year PPA
- 94% of turbines fully erected
- 12% fully commissioned
- Project tracking well in terms of budget and target COD of Q4/12

## Halkirk Wind

- 150 MW
- Hybrid of contracted cash flows (20-year California RECs provide ~40% revenue) and merchant upside
- 31% of turbines fully erected
- Some delays with wet summer weather; still expecting Q4/12 COD

## K2 Wind Ontario

- 270 MW
- Equal partnership between CPC, Samsung and Pattern
- 20-year PPA, COD 2014

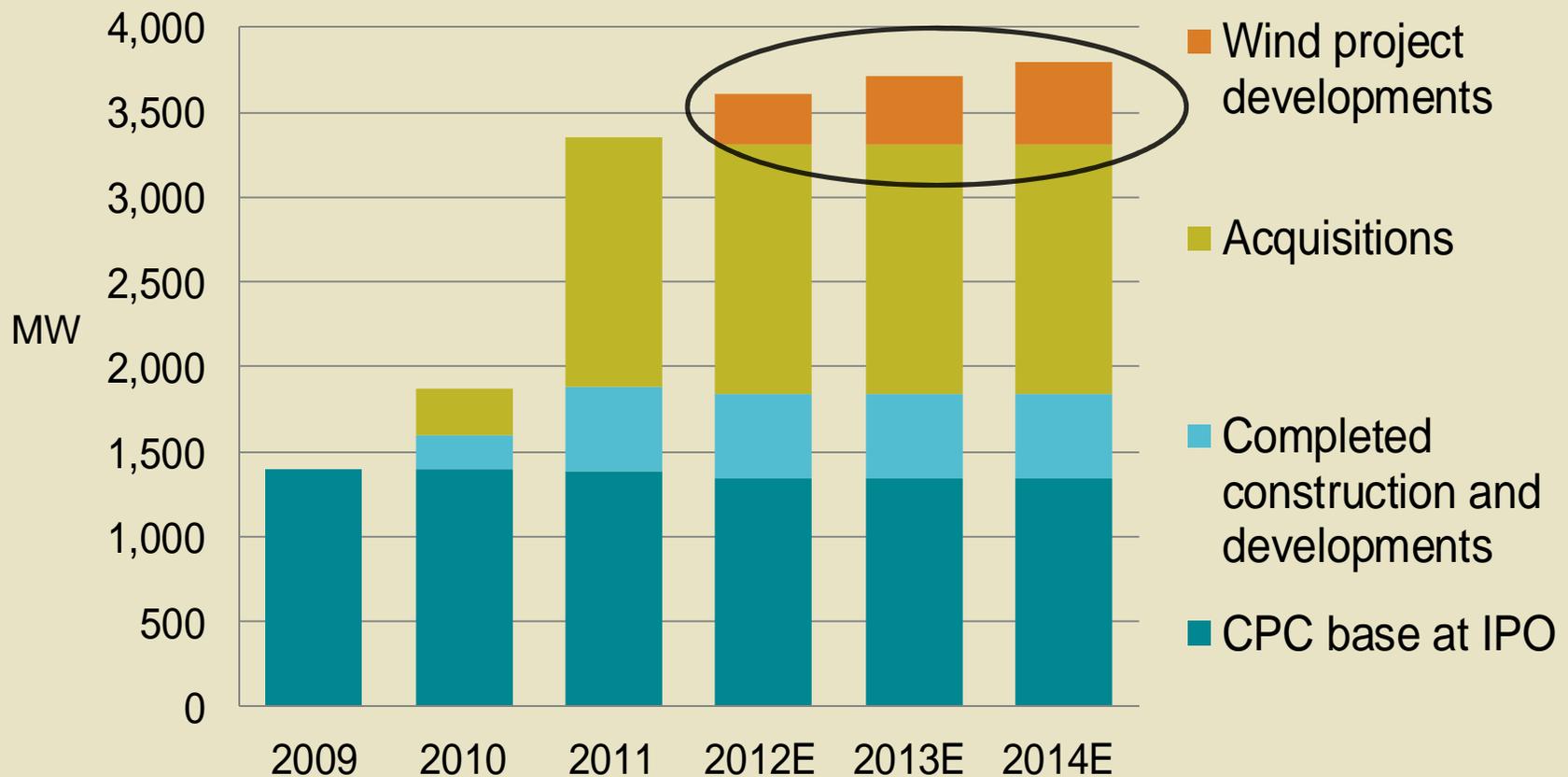
## Port Dover & Nanticoke

- 105 MW
- 20-year PPA
- Received REA in Jul/12
- COD Q4/13

- Four wind projects (487 MW) under construction/development expected to add ~\$0.15/share on an earnings and cash flow basis during the first two years of operations, with associated EBITDA of \$150M - \$160M

# Capital Power's growth<sup>(1)</sup>

487 MW from new wind projects will increase contracted cash flows in 2012-2014



(1) Based on MW capacity owned plus committed projects minus expected divestitures.



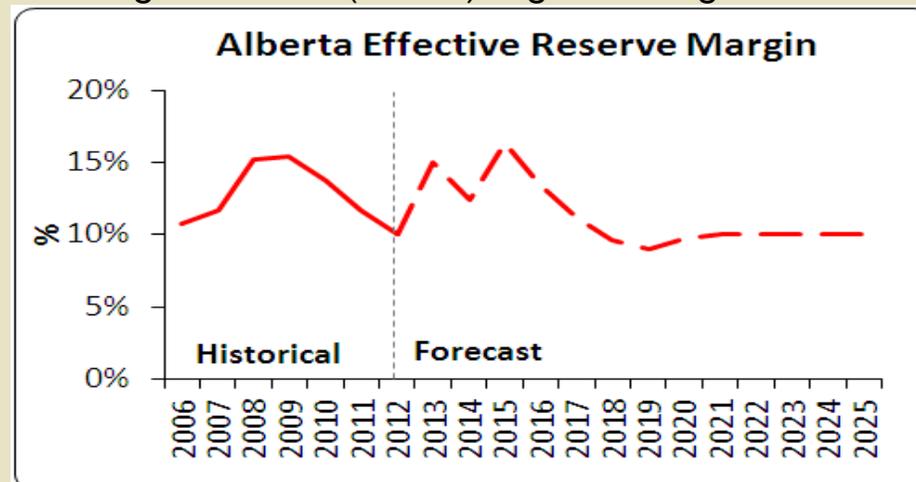
# Alberta power market

- 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 forecasts long-term energy and demand to grow at a rate of 3.3% annually until 2022<sup>(1)</sup>
- AB government reviewing market design to look at reducing power price volatility for Regulated Rate Option customers
  - Do not expect any fundamental market design changes

(1) AESO 2012 Long-term Transmission Plan, [http://www.aeso.ca/downloads/AESO\\_2012\\_LTP\\_Sections\\_1.0\\_to\\_5.0.pdf](http://www.aeso.ca/downloads/AESO_2012_LTP_Sections_1.0_to_5.0.pdf)

# AB reserve margin forecast

- Supply-demand balance (reserve margin) is expected to be looser in 2013-14 due to the return of TransAlta's Sundance 1 & 2 units
- Shepard facility (800 MW) with a COD of 2015, causes the supply-demand balance to loosen
- After 2015, supply-demand balance will gradually tighten partly due to strong load growth through the early 2020s
- When AB net reserve margin falls below 10%, new generation will typically be economic
- Opportunities in the late decade or early 2020s for developers of generation as coal unit retirements kick in
- Differing environmental regulations present uncertainty in the AB market going forward; have assumed Clean Air Strategic Alliance (CASA) regulations go forward

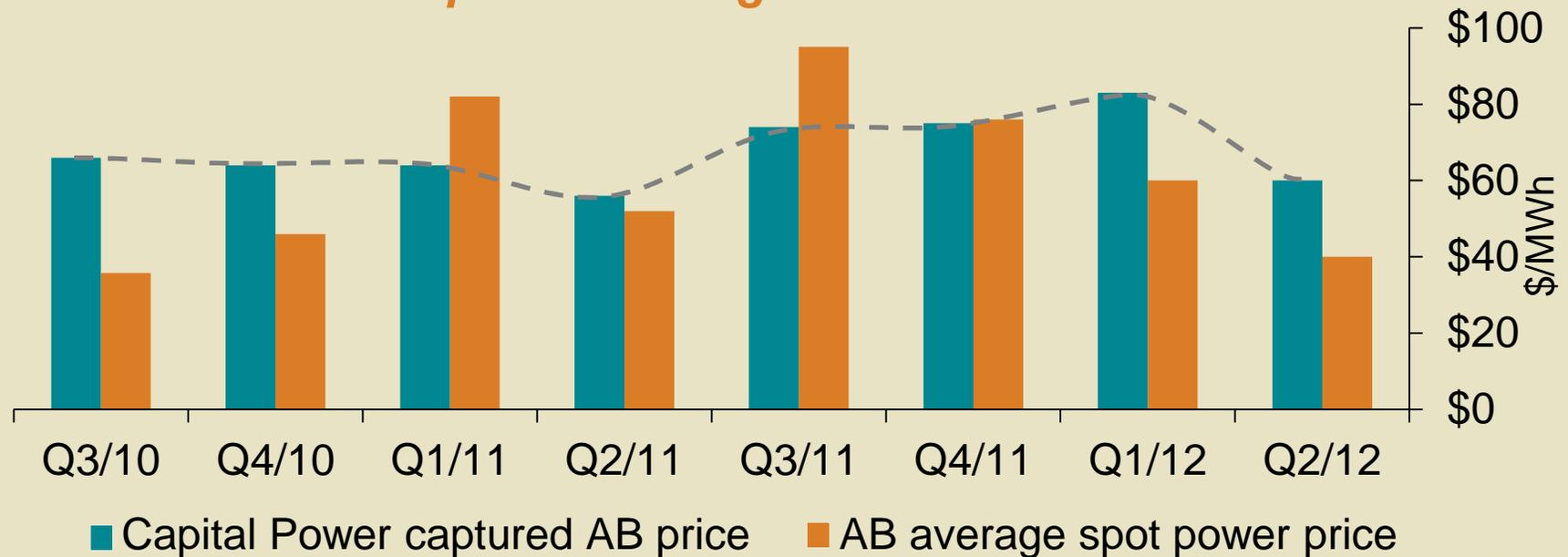


Source: Internal forecast - Fall 2012

# Capturing upside from AB power prices

- Hedging positions based primarily on generation from Genesee 3 and Keephills 3 baseload coal plants and output from the Sundance PPA
- Actively trading (portfolio optimization) throughout various time periods to minimize portfolio risks and create incremental value

*CPX's average realized power price has exceeded spot power prices by ~\$6.90/MWh over the past 2 years through forward contract sales and power trading activities*



# AB commercial portfolio positions

- Alberta portfolio hedged positions for AB baseload plants and Sundance PPA (% sold forward)

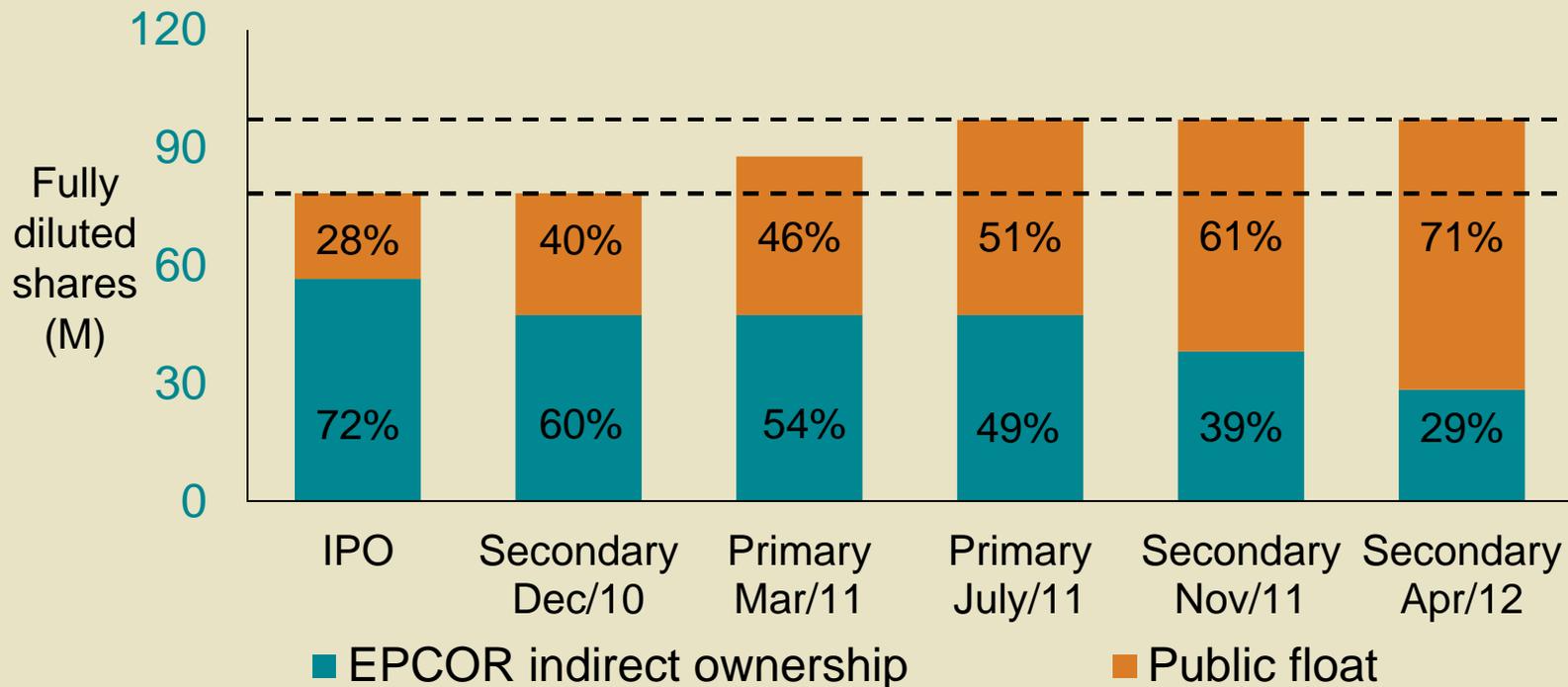
Jul-Dec 2012	2013	2014
Hedged positions (% hedged)		
91%	28%	5%
Average hedged prices (\$/MWh)		
High-\$60	Mid-\$60	Low-\$60

- Sensitivity analysis<sup>(1)</sup> to +/- \$5/MWh change in Alberta power prices
  - 2012: +/- \$1.4M to EBITDA
  - 2013: +/- \$22M to EBITDA
  - 2014: +/- \$33M to EBITDA

(1) Based on hedged positions as of the end of Q2/12.

# Financial strength and access to capital

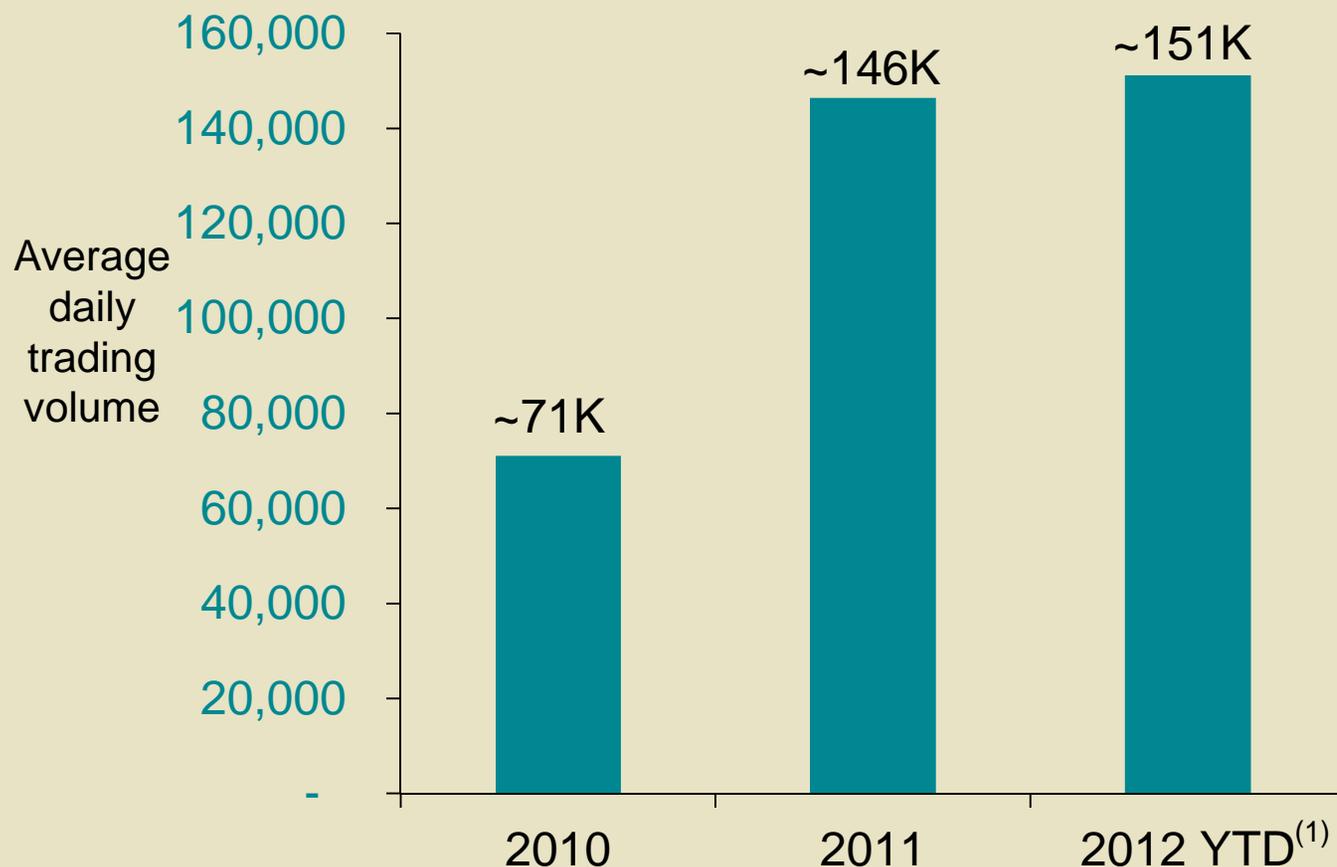
- BBB investment grade credit rating from S&P and DBRS
- ~\$1.2B in debt issues since IPO
- ~\$1.3B raised in equity markets since IPO; public float now 71% of ownership



- At ~38%, debt-to-capital ratio remains below long-term target of 40% - 50%

# Public float growth has enhanced liquidity

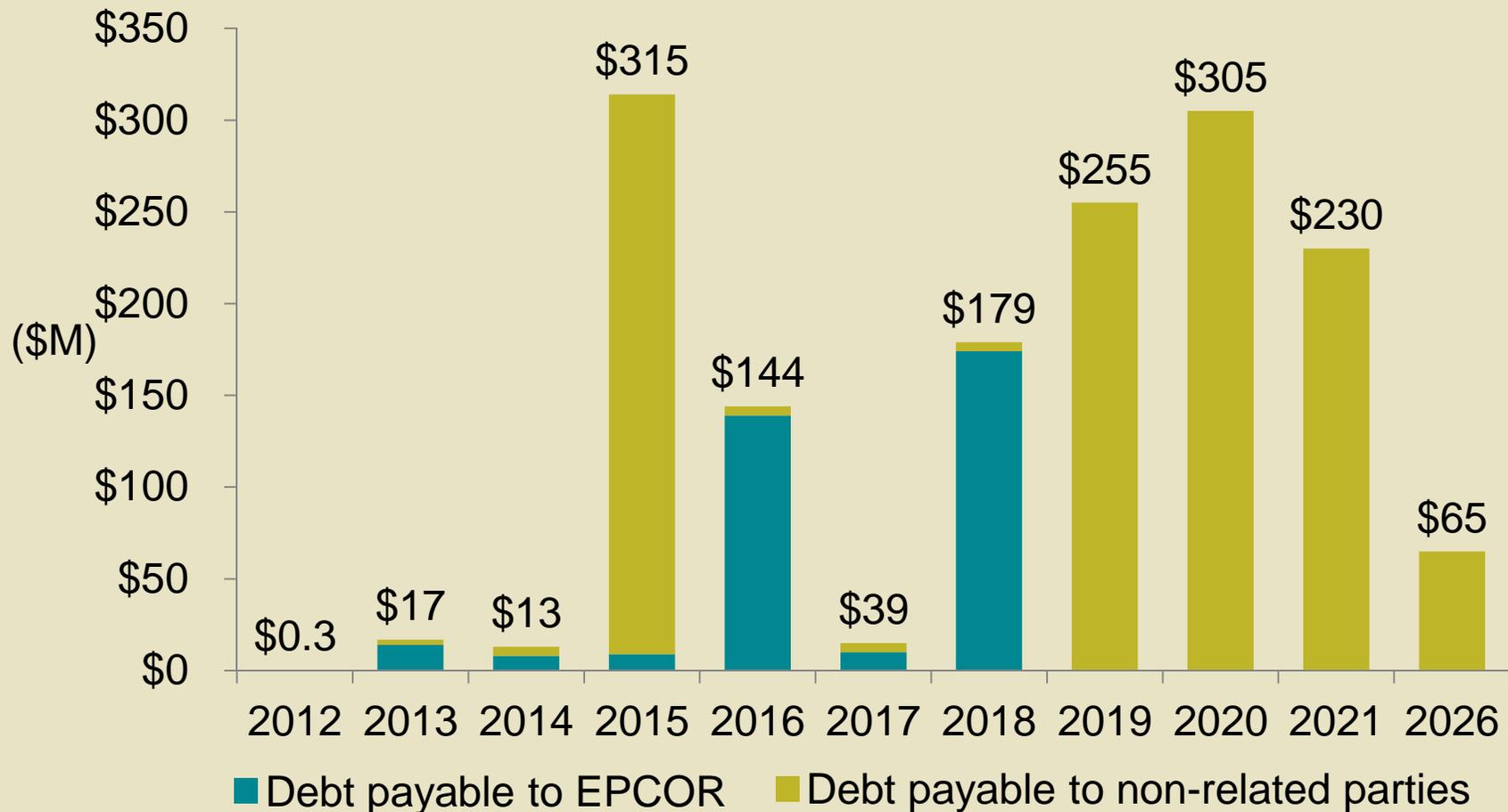
- Added to S&P/TSX Composite Index in June 2011
- Average daily trading volume has doubled compared to 2010



(1) As of Aug 31/12.

# Debt maturity schedule<sup>(1)</sup>

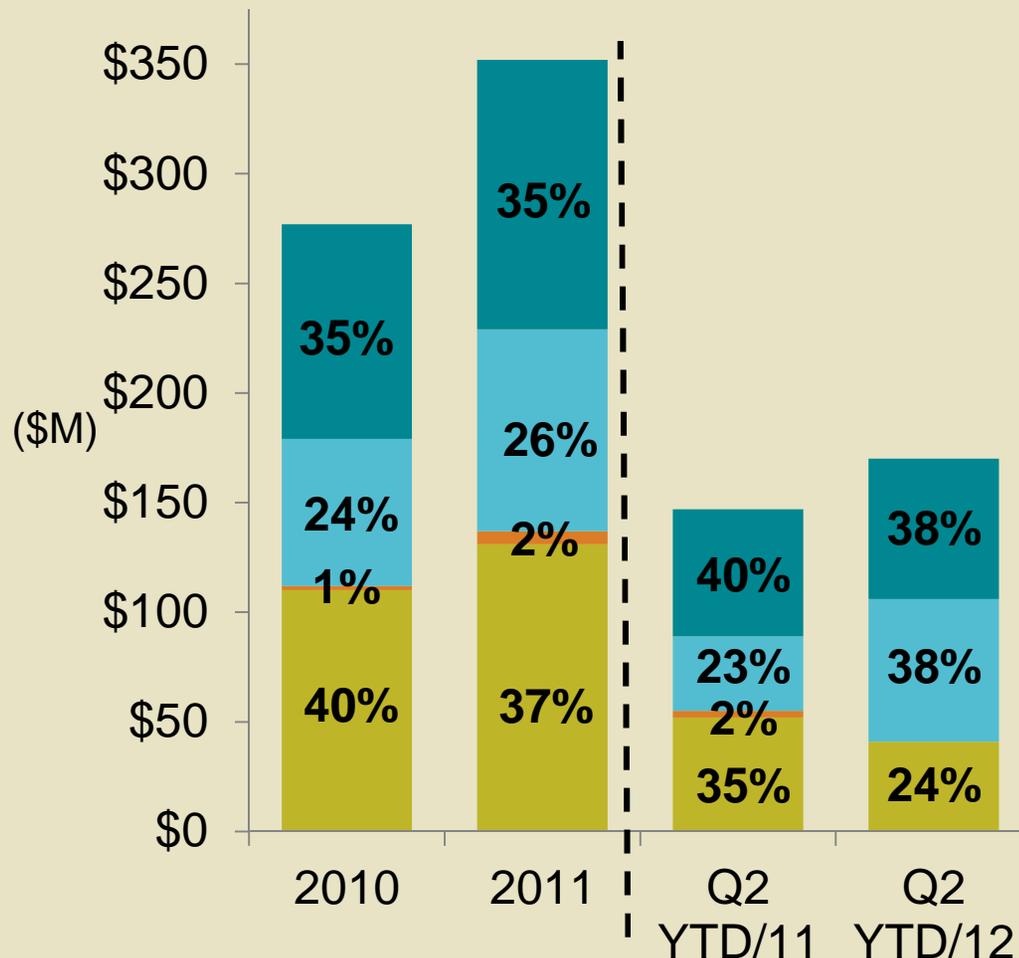
*Well spread-out debt maturities are supported by long asset lives*



(1) As of Jun 30/12. Excludes debt related to Brown Lake, which was fully repaid in Jul/12.

# Continued strong cash flow generation

## FFO (excluding CPILP)



- Discretionary cash flow<sup>(1)</sup> represented 37% of Funds from operations in 2011
- Additional cash flows in 2012 from:
  - Full year operations from Keephills 3 (COD Sep/11)
  - Halkirk and Quality Wind expected COD in Q4/12
- Targeting \$380 - \$420M in FFO in 2012

- Dividends (common and preferred)
- Sustaining capex
- Other sustaining capex
- Discretionary cash flow

(1) Discretionary cash flow is a non-GAAP financial measure, see slide 33 for reconciliation.

# 2012 Outlook

- 2012 Normalized earnings per share expected to be slightly under the low end of the target range (\$1.50 - \$1.70) based on revised AB forward power prices which have decreased by ~\$10/MWh and revised full year spark spreads for the NE U.S. region which have decreased by ~US\$4/MWh
- Alberta commercial position 91% hedged for balance of 2012
- Sundance plant owner (TransAlta) provided notification on a force majeure claim for up to \$39M relating to the Q3/11 outage of Unit 6 due to a transformer failure
  - We have a 52% interest in the Sundance PPA for Units 5 and 6
  - Contractually responsible for paying our share of the claimed amount in advance of final determination
  - Our view is that the claim will not meet the PPA specified tests; expect to record our share of the claimed amount when it is paid as an amount receivable until final resolution of the claim
- No primary common share equity issuance expected in 2012 other than DRIP, absent an acquisition
- Expected development project financing through MTN & pref shares

# 2012 Financial targets

## Deliver on growth in cash flow and normalized EPS

### Normalized EPS (NEPS)



### Funds from operations



### Cash flow per share



### Dividend coverage ratio

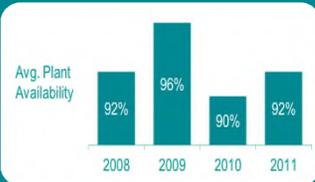


**NEPS expected to be slightly under low end of target range based on revised lower AB forward power prices and NE U.S. spark spreads**

# Summary



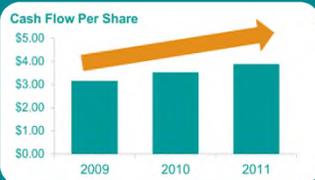
**Straight forward business model with long-term contracted assets and merchant position that provides stable cash flows and upside opportunities**



**Large, high quality generation portfolio**  
**Young and modern fleet with proven operating history**



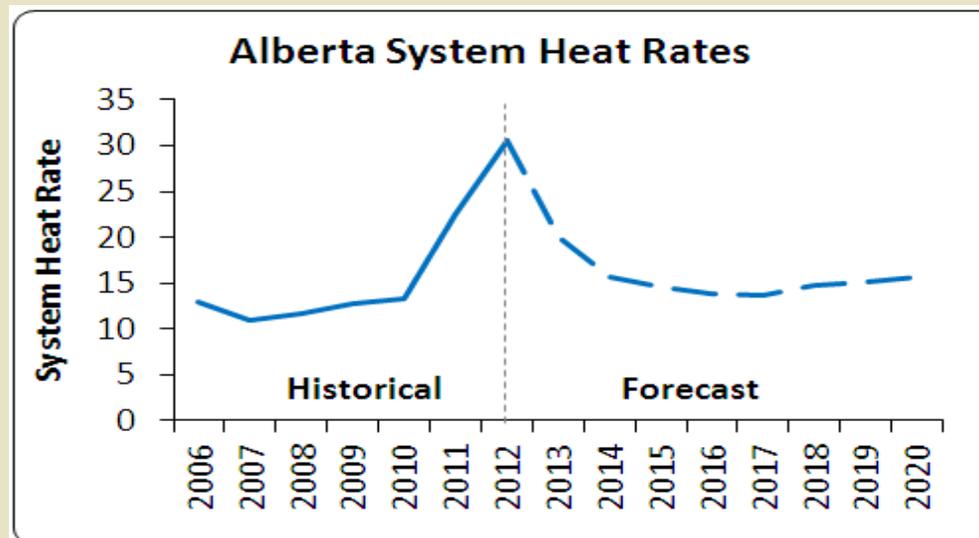
**Diversified portfolio in attractive North American markets**  
**Generation from a combination of natural gas, coal, wind and potentially solar**



**Financial strength with access to capital**  
**Investment grade credit rating**  
**Strong cash flow generation**

## AB system heat rate forecast

- Portfolio bidding is keeping prices high and lowering natural gas prices driving system heat rates high in the near term
- Return of Sundance 1 & 2 in late 2013 and the expected addition of Shepard in 2015 have put downside pressure on heat rates
- AB expected to grow at above-national average rates due to the impact of oil sands activity
- Environmental regulations are expected to drive major coal retirements with upward impact on prices from 2015 onwards
- As coal retires, natural gas generation will be increasingly on the margin



Source: Forward Prices – Sept, 2012

## Appendix

# AB power market (new builds/retirements)<sup>(1)</sup>

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

Project	Capacity (MW)	Developer	Type	COD year
Halkirk	150	Capital Power	Wind	Fall 2012
Shepard Energy Centre	800	Enmax	Combined cycle	2015

Facility	Capacity (MW)	Owner	Type	Retirement year
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Not expecting any major facility retirements in the next 5 years

(1) Internal forecast – Fall 2012

# Appendix

## Projected useful life of AB coal-fired units

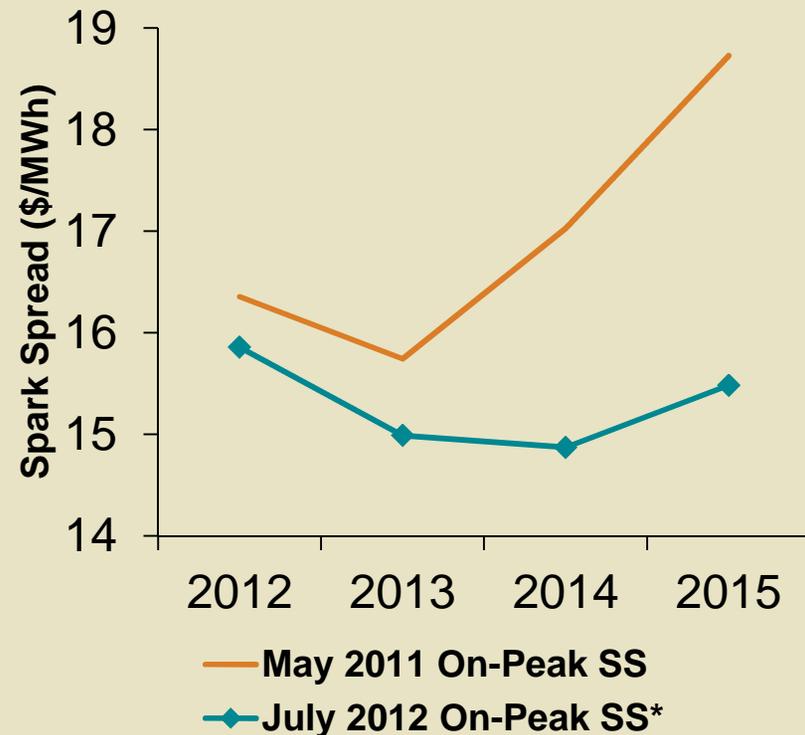
Facility	Generation Capacity (MW)	In-Service Date	End of Life (Final Regulations)	Operating Years (Final Regulations)
Battle River 3	149	1969	2019	50
Sundance 1	288	1970	2019	49
H.R. Milner	144	1972	2019	47
Sundance 2	288	1973	2019	46
Battle River 4	155	1975	2025	50
Sundance 3	362	1976	2026	50
Sundance 4	406	1977	2027	50
Sundance 5 <sup>(1)</sup>	406	1978	2028	50
Sundance 6 <sup>(1)</sup>	401	1980	2029	49
Battle River 5	385	1981	2029	48
Keephills 1	387	1983	2029	46
Keephills 2	406	1984	2029	45
Sheerness 1	390	1986	2036	50
Genesee 2 <sup>(1)</sup>	400	1989	2039	50
Sheerness 2	390	1990	2040	50
Genesee 1 <sup>(1)</sup>	390	1994	2044	50
Genesee 3 <sup>(1)</sup>	466	2005	2055	50
Keephills 3 <sup>(1)</sup>	466	2011	2061	50

(1) Represents units that Capital Power has ownership/interests in.

## Impairment of North East U.S. Assets

- Under IFRS, impairment charges and reversals will be more frequent than in the past
- Recognized a pre-tax impairment charge of \$74M in Q2/12 primarily due to lower current and forecasted spark spreads
- Fair value paid was consistent with other transactional values in the market at the time
- No cash flow impact

On-peak Spark Spreads (MassHub) Forwards



\*Jul/12 On-Peak SS includes actual day-ahead spark spreads from Jan–Jun/12

***If operating margins strengthen as expected, a portion of the impairment loss could be reversed***

## Summary of assets

	<u>Genesee 1</u>	<u>Genesee 2</u>	<u>Genesee 3</u>	<u>Keephills 3</u>	<u>Joffre</u>	<u>Clover Bar Energy Centre</u>	<u>Clover Bar Landfill</u>
	Alberta Contracted		Alberta Commercial				
<b>Electric Capacity</b>	422 MW	430 MW	516 MW	495 MW	480 MW	243 MW	4.8 MW
<b>% owned / operated</b>	100 / 100	100 / 100	50 / 100	50 / 0	40 / 0	100 / 100	100 / 100
<b>Location</b>	Warburg, Alberta	Warburg, Alberta	Warburg, Alberta	Keephills, Alberta	Joffre, Alberta	Edmonton, Alberta	Edmonton, Alberta
<b>Fuel</b>	Coal	Coal	Coal	Coal	Natural gas	Natural gas	Landfill gas
<b>Commercial Operations</b>	1994	1989	2005	2011	2000	Unit 1 - 2008 Unit 2&3 - 2009	2005
<b>PPA Expiry</b>	2020	2020	Merchant	Merchant	Merchant	Merchant	Merchant

## Summary of assets (cont'd)

	<u>Kingsbridge 1</u>	<u>Island Generation</u>	<u>Roxboro</u>	<u>Southport</u>	<u>Tiverton</u>	<u>Rumford</u>	<u>Bridgeport</u>
	Ontario & British Columbia Contracted		Mid-Atlantic Contracted		US Northeast Commercial		
<b>Electric Capacity</b>	40 MW	275 MW	88 MW	46 MW	279 MW <sup>(1)</sup>	270 MW <sup>(1)</sup>	540 MW <sup>(1)</sup>
<b>% owned / operated</b>	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100	100 / 100
<b>Location</b>	Goderich, Ontario	Campbell River, BC	Roxboro, North Carolina	Southport, North Carolina	Tiverton, Rhode Island	Rumford, Maine	Bridgeport, Connecticut
<b>Fuel</b>	Wind	Natural gas	Mixture of wood residuals, tire-derived fuel and coal	Mixture of wood residuals, tire-derived fuel and coal	Natural gas	Natural gas	Natural gas
<b>Commercial Operations</b>	2006, 2001	2002	1987	1987	2000	2000	1999
<b>PPA Expiry</b>	2026 / 2027	2022	2021	2021	Merchant	Merchant	Merchant

(1) Represents net winter capacity. Tiverton, Rumford and Bridgeport have nominal generation capacities of 265, 265, and 520 megawatts, respectively.

# Appendix

## Summary of projects under development

	Halkirk	K2 Wind Ontario	Quality Wind	Port Dover & Nanticoke
	Alberta Commercial & Contracted	Ontario & British Columbia Contracted		
<b>Electric Capacity</b>	150 MW	270 MW	142 MW	105 MW
<b>% owned / operated</b>	100 / 100	33.3% owned	100 / 100	100 / 100
<b>Location</b>	Halkirk, Alberta	In the township of Ashfield-Colborne-Wawanosh, Ontario	Near Tumbler Ridge, BC	Located in an area that covers the counties of Norfolk and Haldimand, Ontario
<b>Fuel</b>	Wind	Wind	Wind	Wind
<b>Expected Commercial Operations</b>	Q4/12	2014	Q4/12	Q4/13
<b>PPA Expiry</b>	~40% - 45% of total revenues from 20-year REC sale agreement / Merchant	20-year PPA with Ontario Power Authority for \$135/MWh	25-year EPA from BC Hydro	20-year PPA with Ontario Power Authority for \$135/MWh
<b>Expected Capital Cost</b>	\$357M, including acquisition costs (\$33M)	Expected total project capex of \$874M; CPC's expected capex for project is \$46M	\$455M	\$340M

# 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 in this presentation 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 information with respect to: (i) expectations related to future earnings and funds from operations; (ii) expectations regarding the future pricing of electricity and market fundamentals in existing and target markets; (iii) expectations regarding fuel supply and pricing; (iv) expectations related to the Company's future cash requirements including interest and principal repayments, capital expenditures and dividends; (v) expectations for the Company's sources of funding, adequacy and availability of committed bank credit facilities and future borrowings; (vi) expectations regarding future growth and emerging opportunities in the Company's target markets including the focus on certain technologies; (vii) expectations regarding the timing of, funding of, and costs for existing, planned and potential development projects and acquisitions; and (viii) expectations regarding plant availability and capital expenditures for maintenance.

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 and expected future developments, and other factors it believes are appropriate. The material factors and assumptions used to develop these forward-looking statements relate to: (i) electricity and other energy prices, (ii) performance; (iii) business prospects and opportunities including expected growth and capital projects; (iv) status of and impact of policy, legislation and regulations; (v) effective tax rates; and (vi) other matters discussed under the Performance Overview and Outlook sections in Management's Discussion and Analysis.

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: (i) power plant availability and performance including maintenance expenditures; (ii) changes in electricity prices in markets in which the Company operates; (iii) regulatory and political environments including changes to environmental, financial reporting and tax legislation, (iv) acquisitions and developments including timing and costs of regulatory approvals and construction; (v) ability to fund current and future capital and working capital needs; (vi) changes in energy commodity market prices and use of derivatives; (vii) changes in market prices and availability of fuel; and (viii) changes in general economic and competitive conditions. See Risks and Risk Management in Management's Discussion and Analysis 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.

# Non-GAAP financial measures

The Company uses (i) earnings before finance expense, income tax expense, depreciation and amortization, impairments, foreign exchange losses, and gains on acquisitions and disposals (EBITDA), (ii) funds from operations, (iii) funds from operations excluding non-controlling interests in CPILP, (iv) cash flow per share, (v) dividend coverage ratio, (vi) normalized earnings attributable to common shareholders, and (vii) 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 are therefore unlikely to be comparable to similar measures used by other enterprises. These measures should not be considered alternatives to gross income, 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 dated July 26, 2012 for the three months ended June 30, 2012 which is available under the Company's profile on SEDAR at [www.SEDAR.com](http://www.SEDAR.com) and on the Company's website at [www.capitalpower.com](http://www.capitalpower.com).



# { Investor Relations Contacts

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

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

