

TD TD Securities
Power & Utilities Conference
Western Canadian Power Panel

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Capital Power
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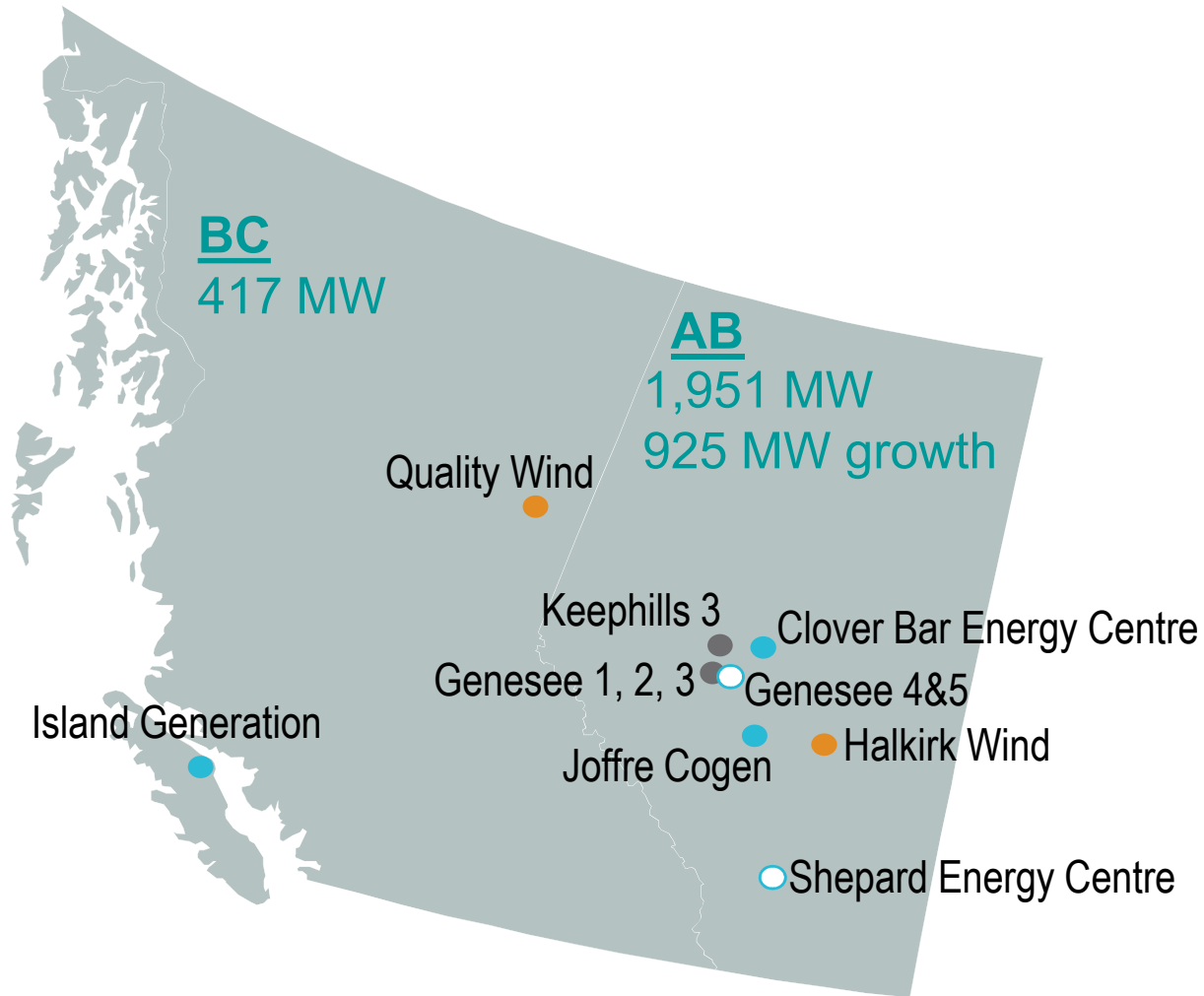
Capital Power

- Independent power producer with ownership interest in 13 facilities in Canada and the US totaling more than 2,600 MW⁽¹⁾
- Young and modern fleet of assets
 - Average age of 12.7 years⁽²⁾
 - Youngest coal fleet in Canada with average remaining life of 34 years⁽²⁾
- Strong track record of operational excellence – average plant availability of 92% in the past 5 years
- Significant contracted cash flow base and merchant investments in Alberta (the most attractive power market in North America)
- Trading on TSX (CPX); market cap of ~\$2.6B

(1) Based on owned megawatt (MW) capacity as of April 30, 2014; excludes Sundance PPA (371 MW) and Clover Bar Landfill Gas (4.8 MW).

(2) Average facility age weighted by owned capacity as of April 30, 2014.

Western Canada operations



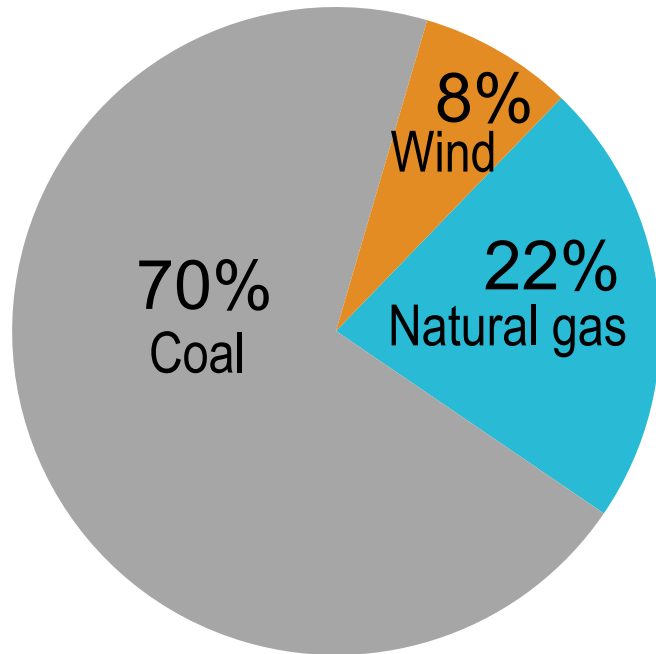
- 4 coal units
- 3 natural gas plants
- 2 wind facilities
- 2 natural gas plants under construction

AB - own an additional 371 MW of capacity as the PPA counterparty for Sundance 5 & 6.

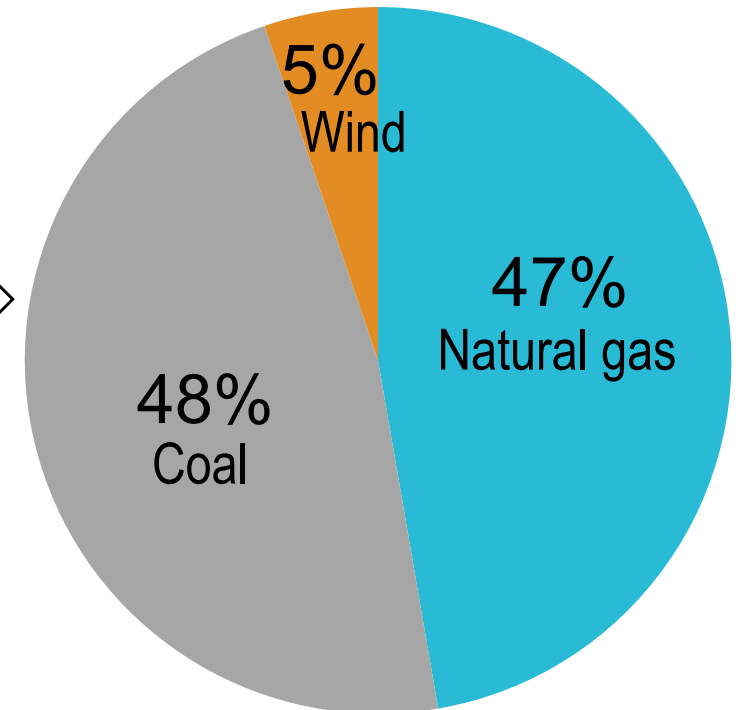
(1) Megawatts represents Capital Power's ownership interest.

Alberta – generation fuel type

Current assets (1,951 MW)



Addition of Shepard & Genesee 4&5 (2,876 MW)



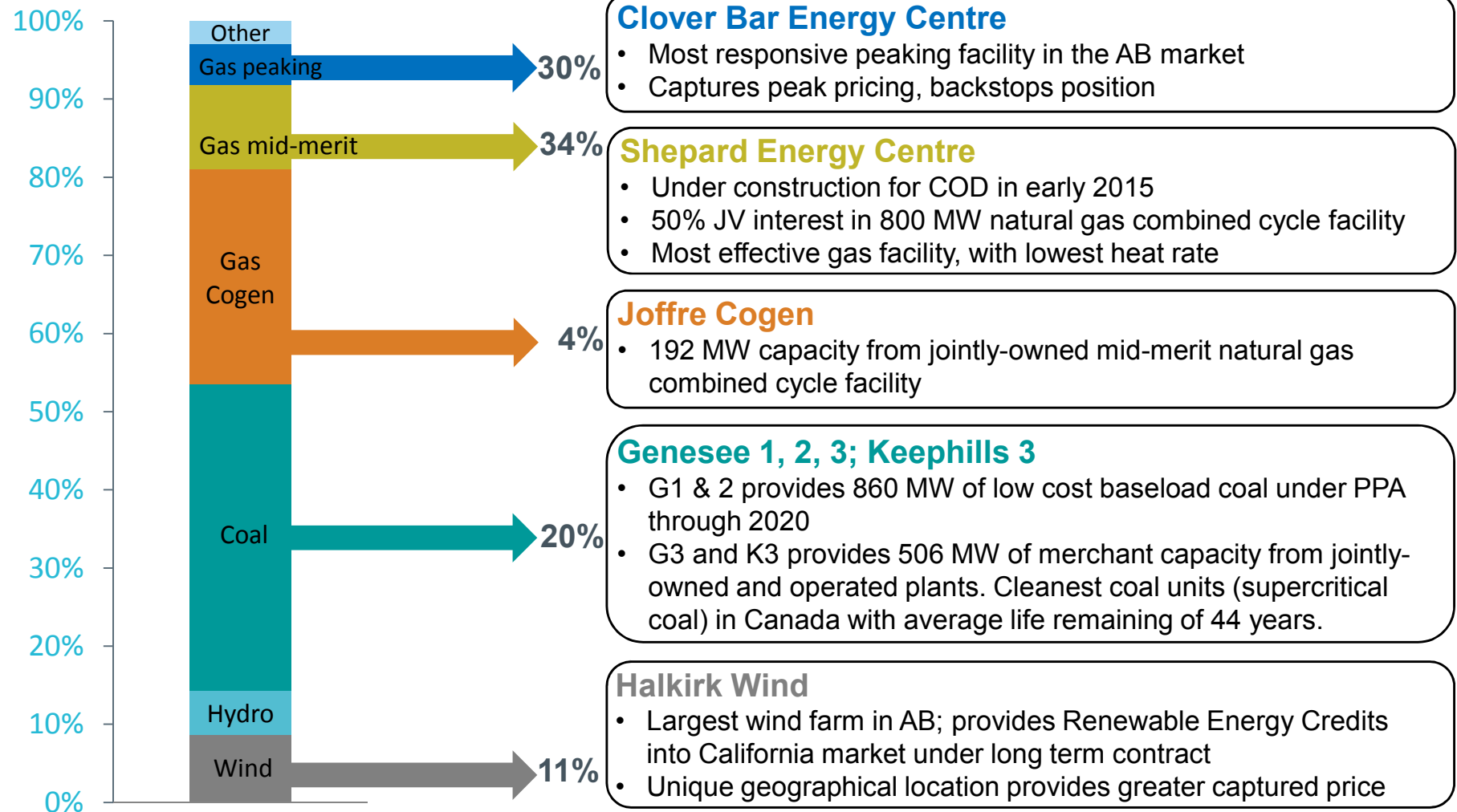
47% increase in MW

Shepard and Genesee 4&5 facilities will add competitive natural gas combined cycle assets to Capital Power's diverse generation fleet in Alberta

Diverse generation fleet in Alberta

Well positioned to capture value in Alberta's merchant market

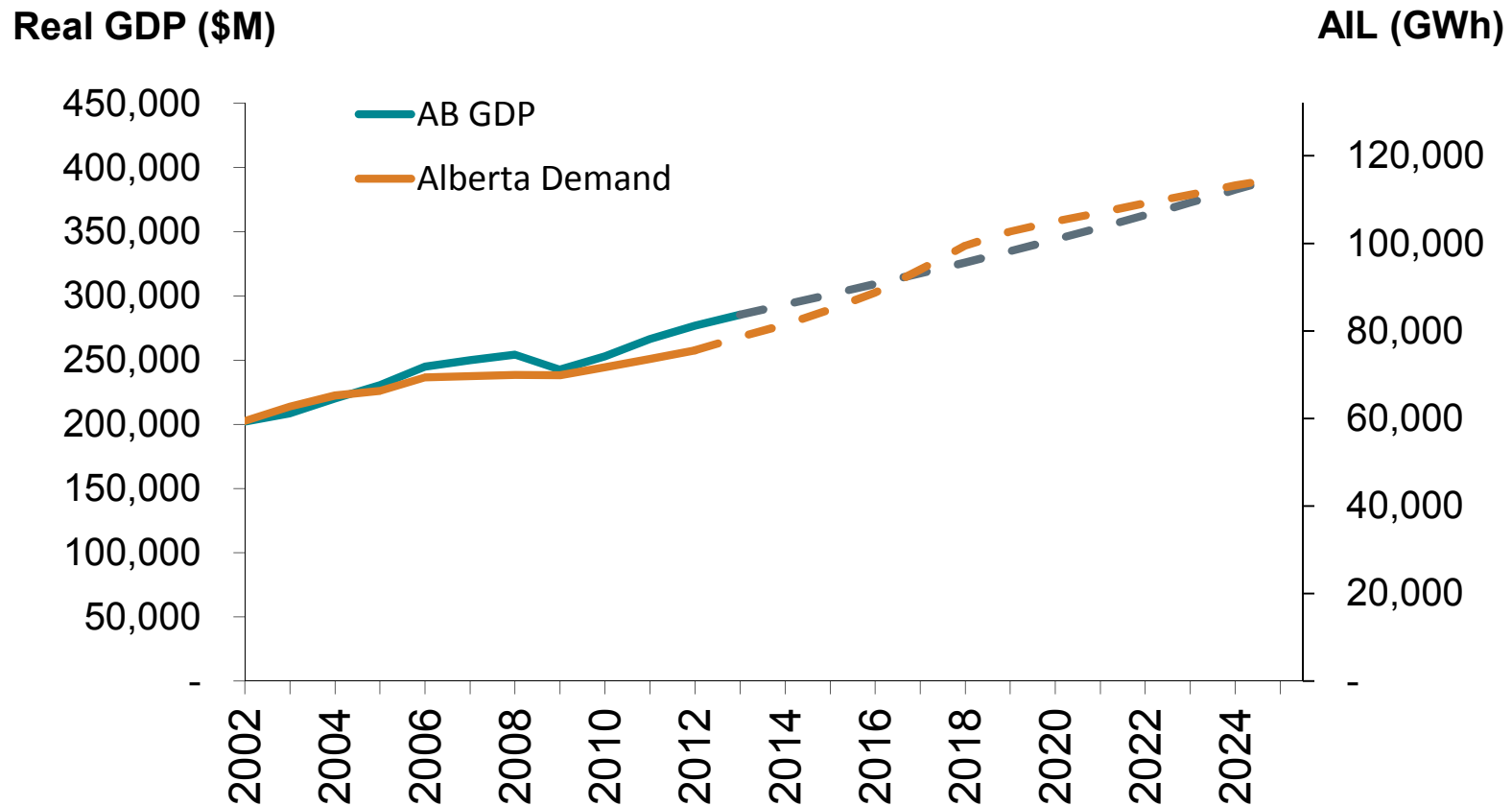
Expected AB power generation stack for 2015⁽¹⁾



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

Alberta power market

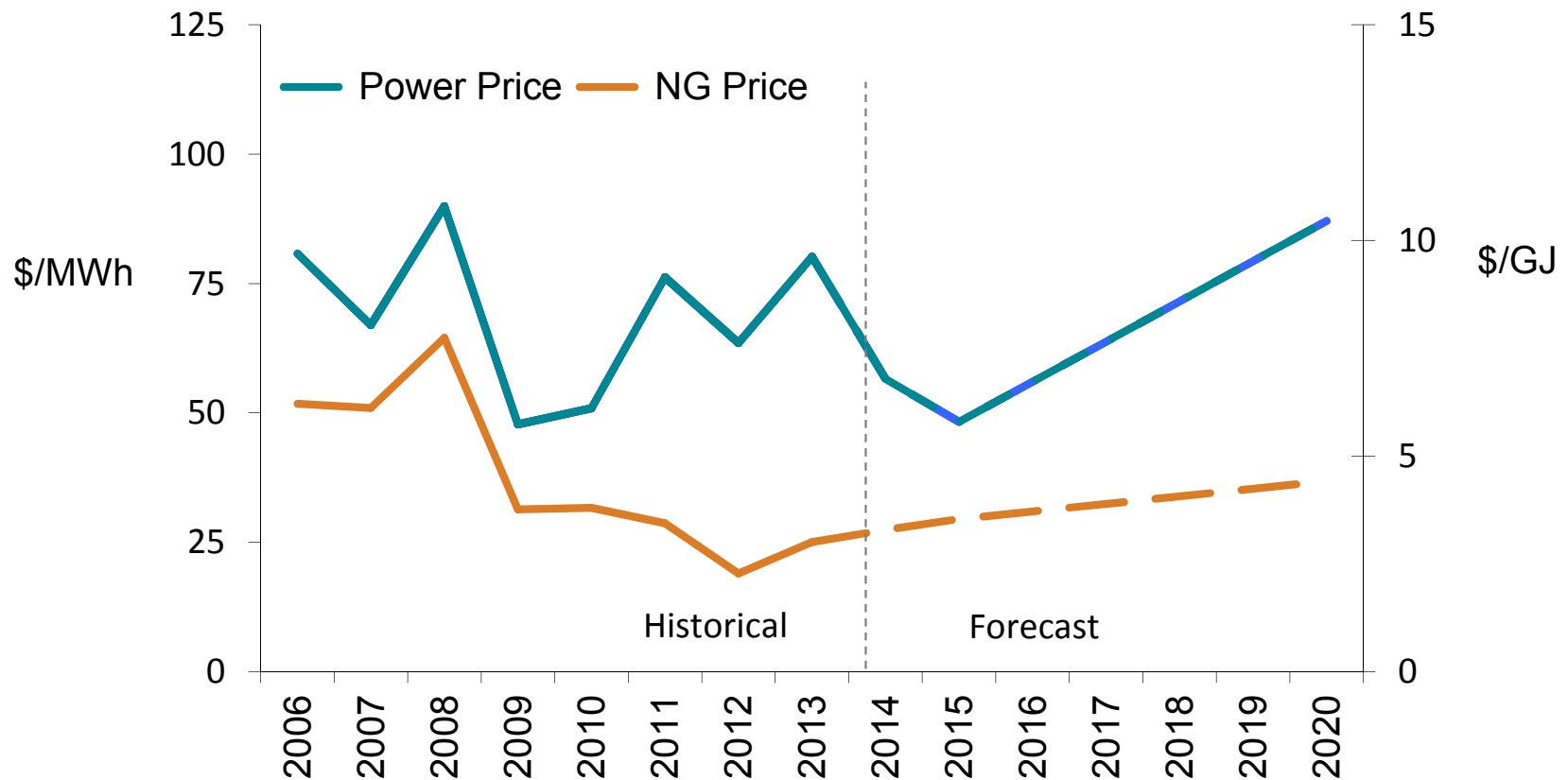
Strong correlation between Alberta's strong economy and demand growth⁽¹⁾



(1) Source: AESO 2012 Long term Outlook Update

Real GDP – All Alberta industries (Chained \$2007 millions)
AIL – Alberta Internal Load measured in gigawatt hours (GWh)

Alberta energy prices⁽¹⁾

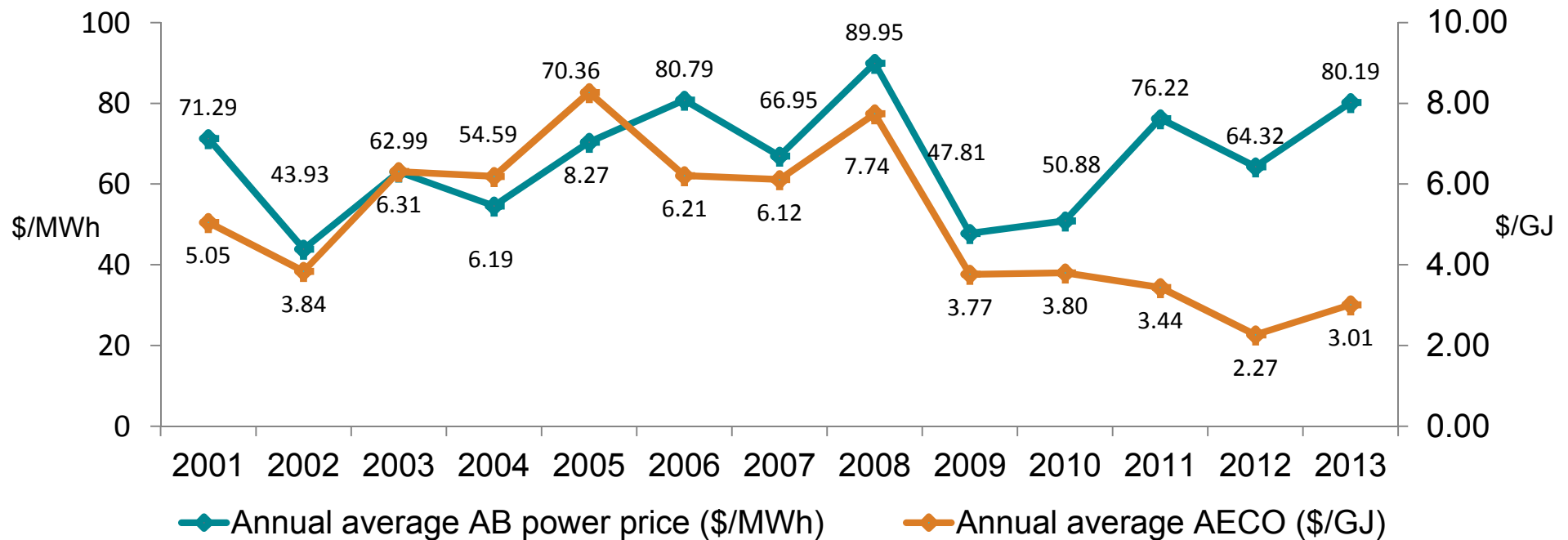


Growing demand and significant retirement of coal units by the end of the decade bodes well for an attractive pricing outlook

(1) Source: AESO and Capital Power estimates – Mar/14.

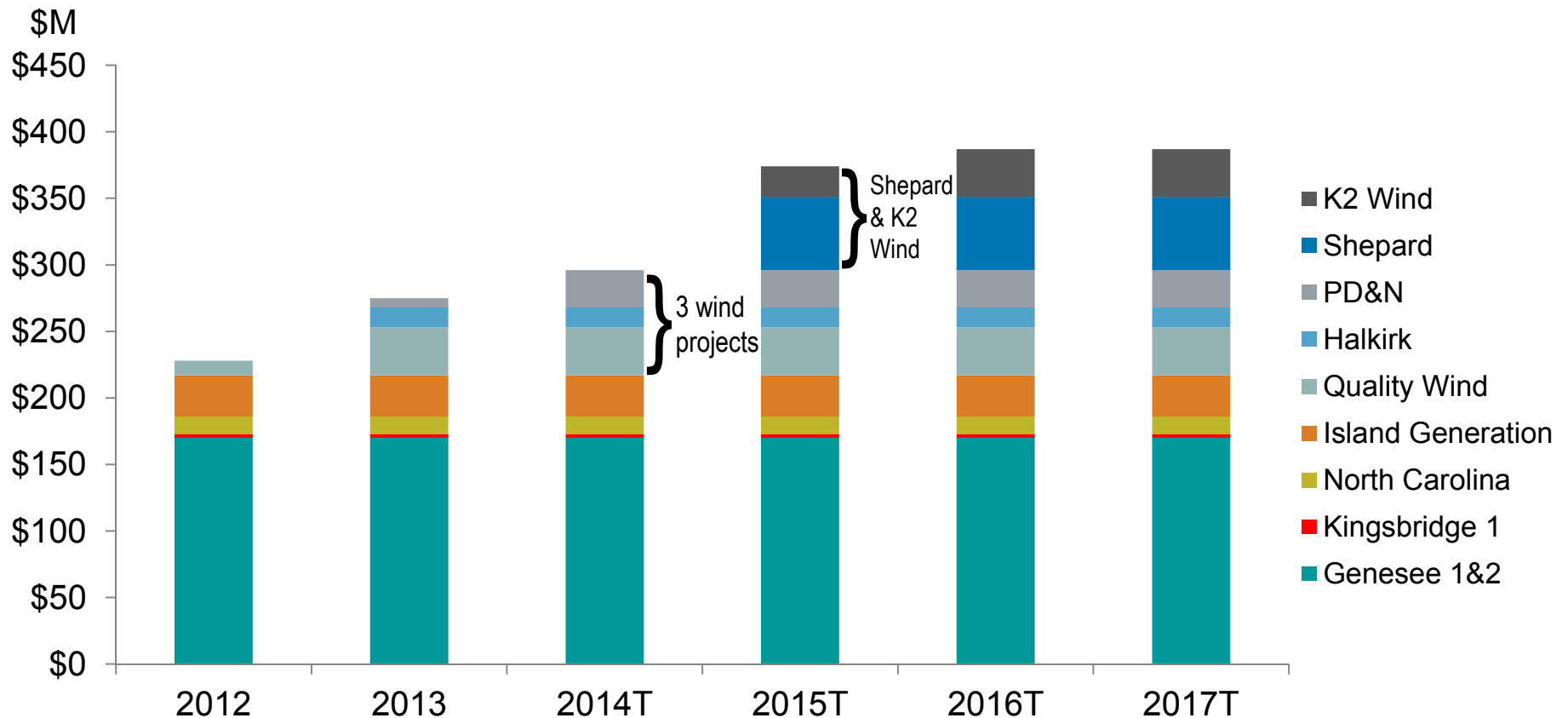
Historical Alberta prices

Annual average power prices and AECO



In the past 13 years, annual Alberta power prices have averaged \$66/MWh

Improving contracted cash flow^(1,2)



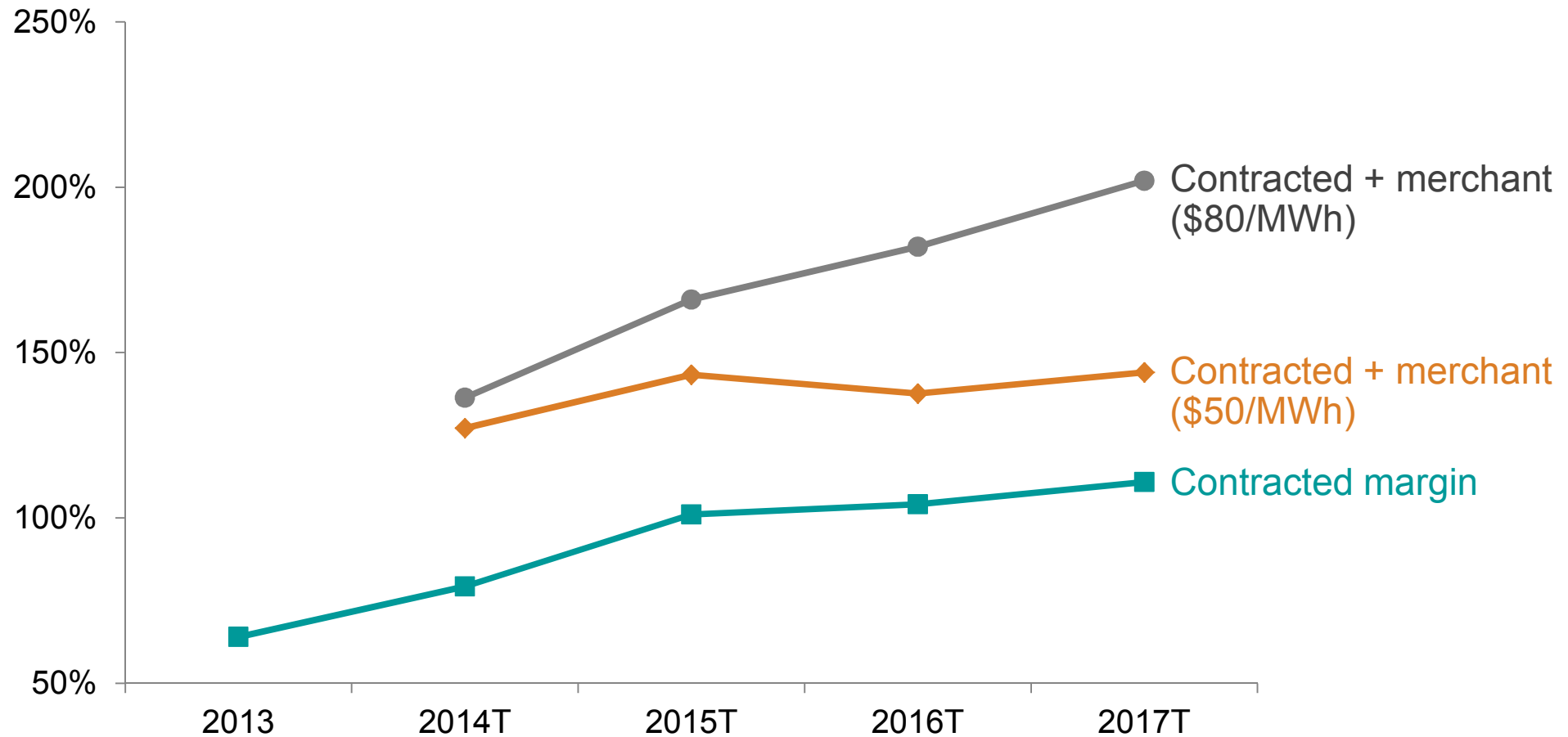
Substantial expansion of contracted operating margin from \$225M to ~\$375M from 2012 to 2015 (66% increase)

(1) Margins have been averaged over the periods except in the year of commissioning.

(2) Only includes contracted portions of Halkirk and Shepard plants.

Merchant position in AB provides upside

Operating margin⁽¹⁾ to financial obligations⁽²⁾ and dividends

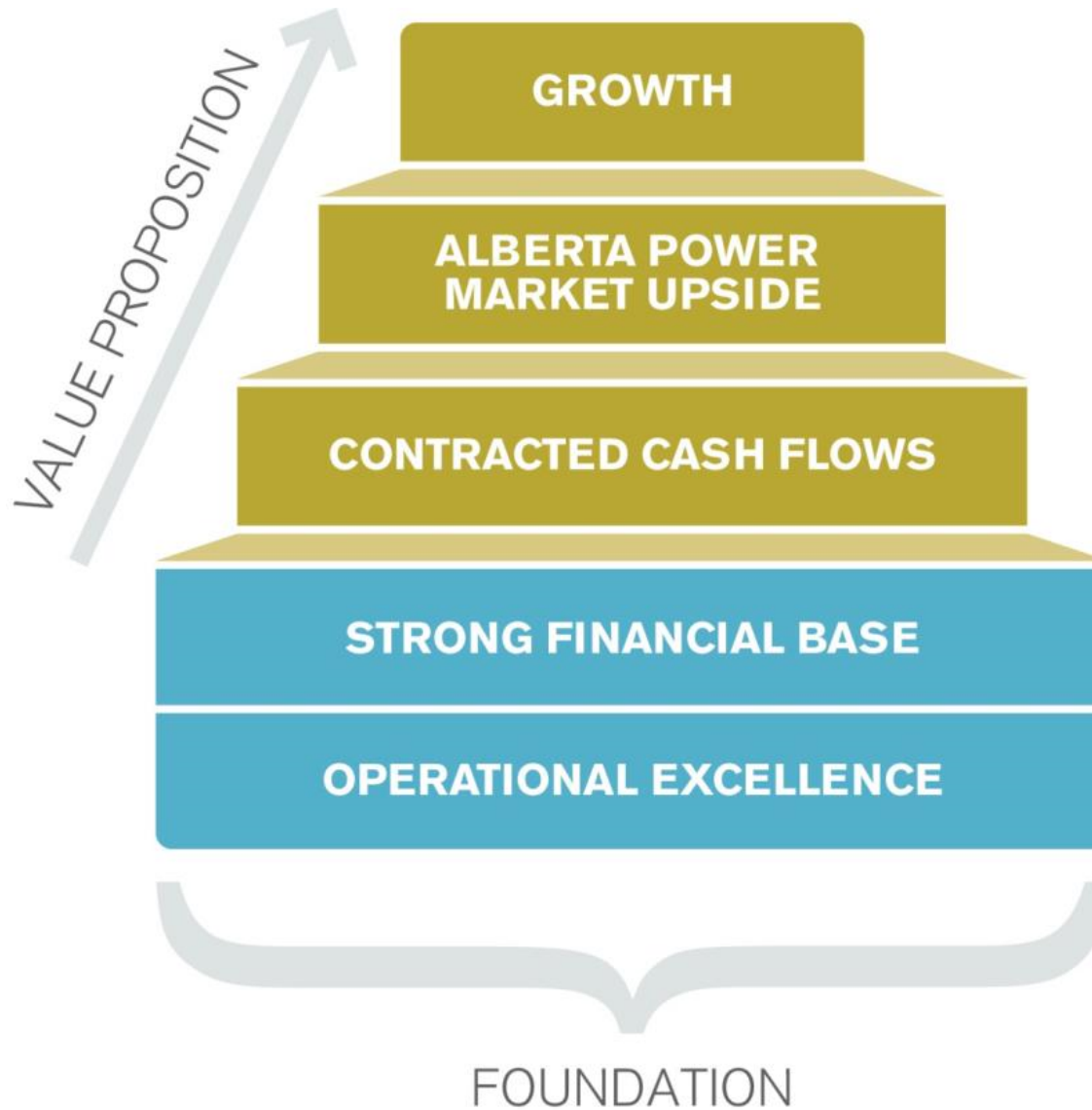


(1) Merchant margin is calculated using \$50/MWh and \$80/MWh and is based on hedge position as at December 31, 2013.

(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.



Capital Power value proposition





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 revenues, expenses, earnings and funds from operations, (ii) expectations regarding the future pricing of electricity and market fundamentals in existing and target markets, (iii) expectations related to the Company's future cash requirements including interest and principal repayments, capital expenditures, dividends and distributions, (iv) expectations regarding the Company's sources of funding, adequacy and availability of committed bank credit facilities and future borrowings, (v) expectations regarding future growth and emerging opportunities in the Company's target markets including the focus on certain technologies, (vi) expectations regarding the timing of, funding of, and costs for existing, planned and potential development projects and acquisitions, (vii) expectations regarding plant availability, and (viii) expectations regarding 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 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 the Company's MD&A dated April 24, 2014 for the three months ended March 31, 2014.

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) changes in electricity prices in markets in which the Company operates, (ii) changes in energy commodity market prices and use of derivatives, (iii) regulatory and political environments including changes to environmental, financial reporting and tax legislation, (iv) power plant availability and performance including maintenance expenditures, (v) ability to fund current and future capital and working capital needs, (vi) acquisitions and developments including timing and costs of regulatory approvals and construction, (vii) changes in market prices and availability of fuel, and (viii) changes in general economic and competitive conditions. See Risks and Risk Management in the Company's December 31, 2013 annual MD&A for further discussion of these and other risks.

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