CAPITAL POWER

CIBC

Institutional Investor Conference

Brian Vaasjo, President & CEO

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Capital Power

Capital Power – a North American IPP

Vision is to be one of North America's most respected, reliable and competitive power generators

Builds, owns and operates power generation at 18 facilities in Canada and the U.S.

Publicly-traded company headquartered in Edmonton, Alberta with a market cap of ~$2B and 700 employees.

Invested ~$1.4B in renewables projects since 2012, adding one solar farm and five wind facilities.

Generates ~14% of all electricity produced in Alberta.

One of Canada's ***50 Best Corporate Citizens*** for six consecutive years.

A leading developer of carbon offset projects, with more than $100M invested in Alberta projects.

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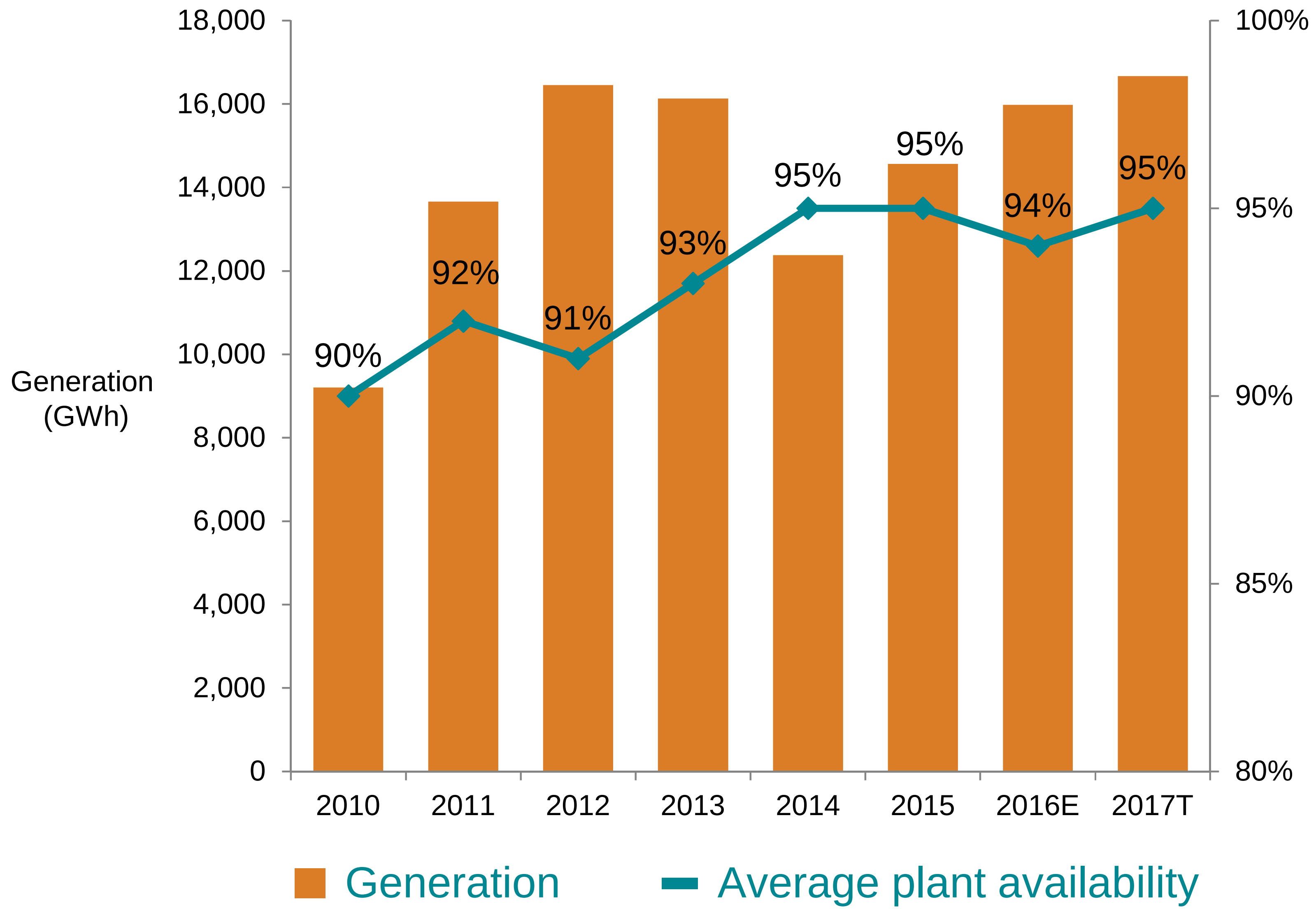
Executing on proven competencies

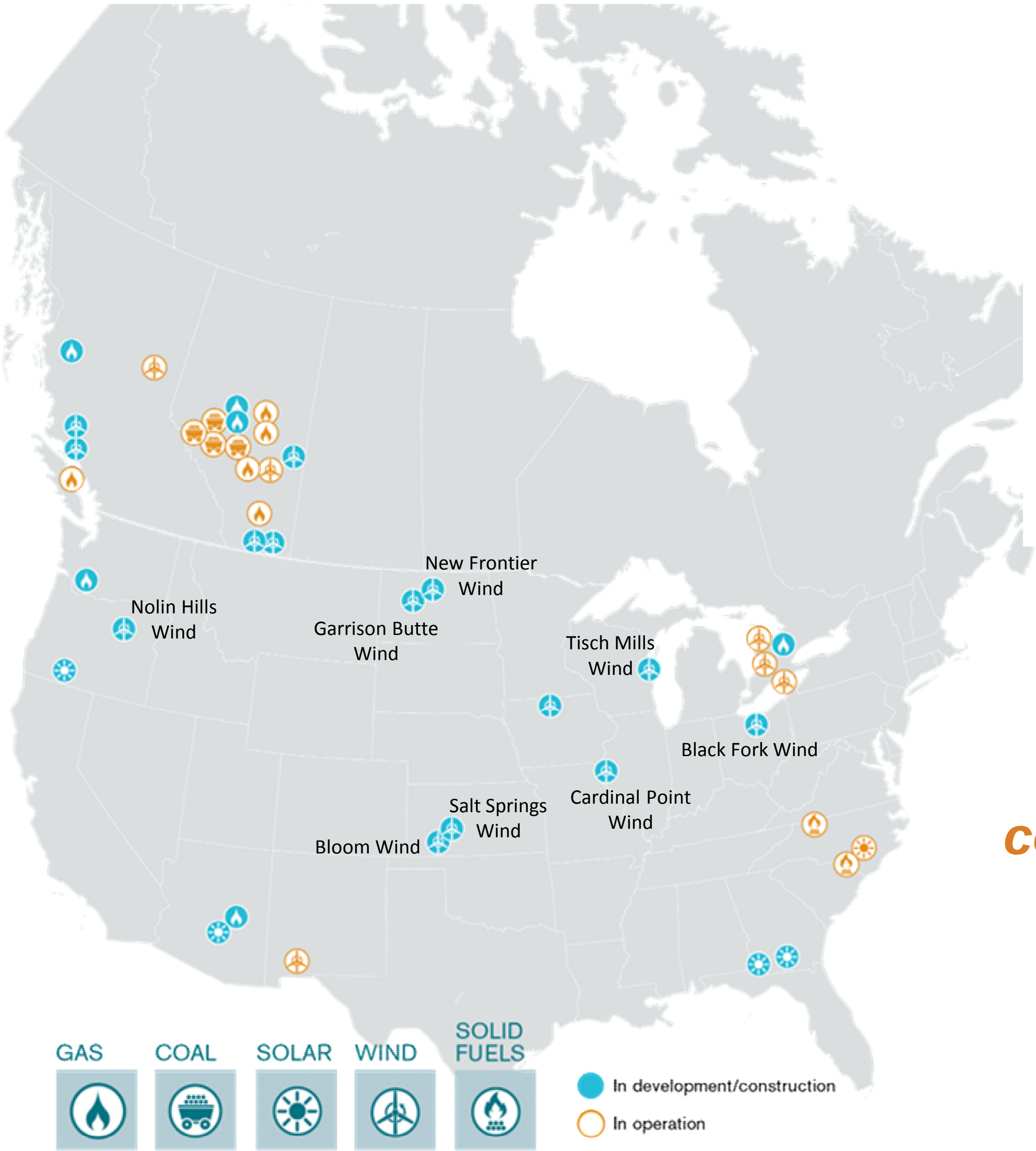
Operational excellence	Increasing performance and reducing risk at a lower cost while managing GHG cost and risk
Contracted growth	Delivering opportunities in the U.S. and positioned to continue
Alberta market	Excellent assets & skills in energy-only market are transferable to capacity market
Alberta growth	Positioned to continue to be the leading developer in Alberta
Financial strength	Stronger balance sheet, greater capacity and lower risk
Dividend growth	Executing to maintain and grow dividends

High fleet availability

Strong operating plant availability averaging 93% in past 7 years



Growth opportunities



Well-positioned for natural gas and renewables growth in Alberta

Acquire or develop contracted opportunities across the U.S.

As of December 2016

Alberta opportunity set

Significant investment required over the next 14 years

- Up to $30 billion
- 5,000 MWs in renewables to replace retirement of coal units with balance in natural gas and other to meet demand
- Capital Power well-positioned with our existing power sites, development and construction expertise, and strong track record of trading in Alberta

Well-positioned to participate in new generation

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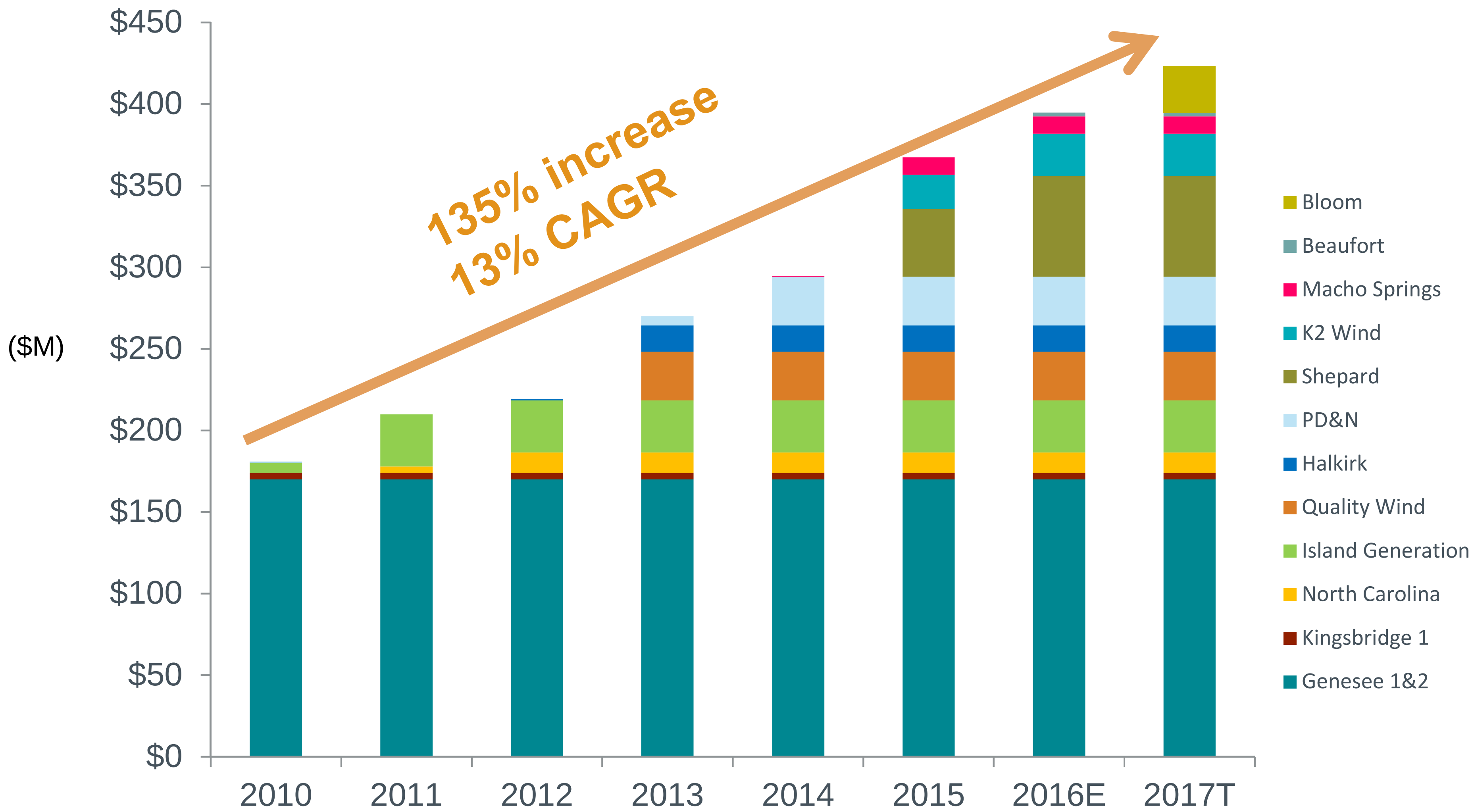
Improving contracted EBITDA[1,2,3]



Substantial expansion in contracted EBITDA from 2010-17

1) EBITDAs have been averaged over the periods except in the year of commissioning.
2) Only includes contracted portions of Halkirk and Shepard plants.
3) Capital Power's share of EBITDA for all assets.

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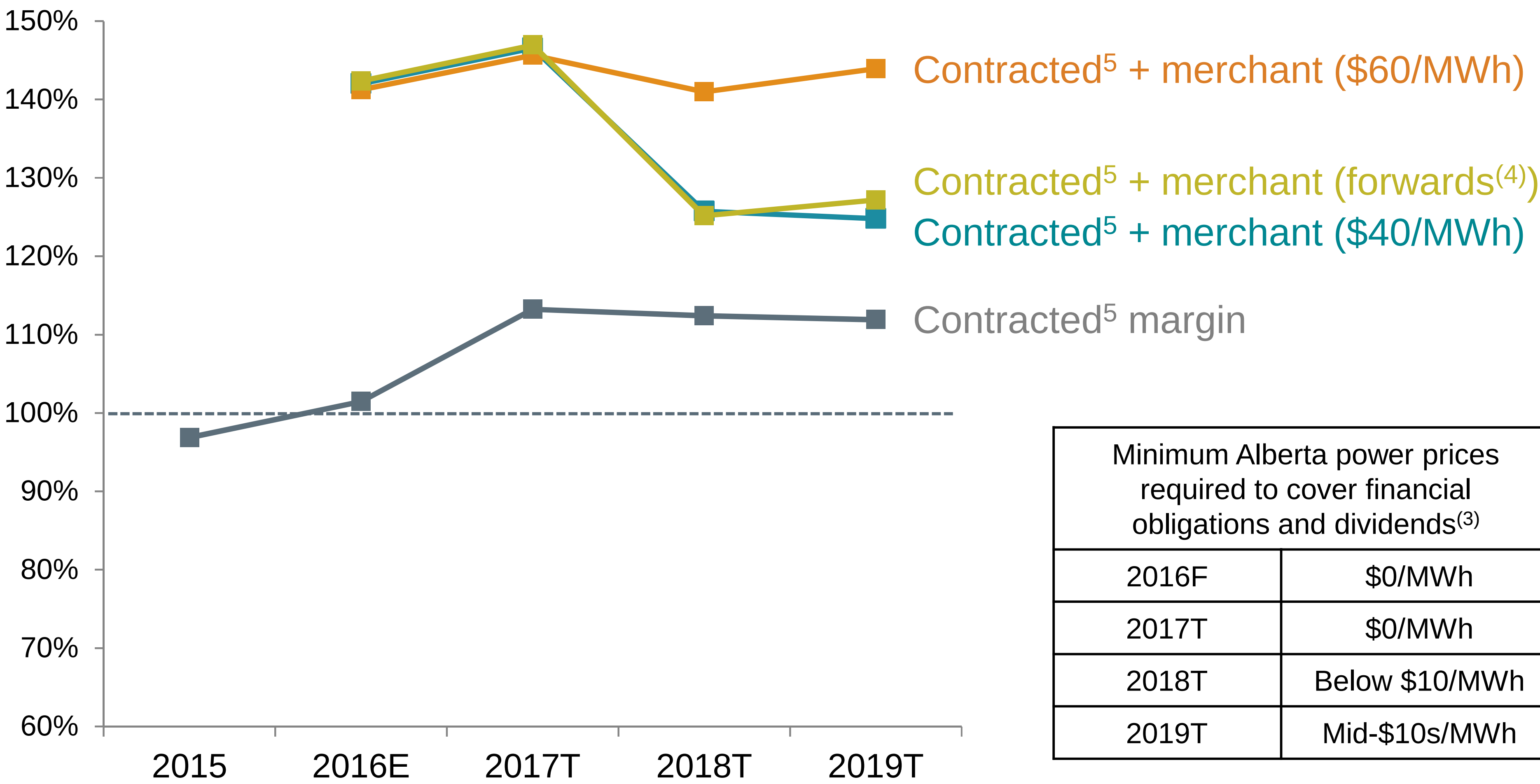
Strong financial coverage

Operating margin(1) to financial obligations(2) and dividends(3)



Minimum Alberta power prices required to cover financial obligations and dividends(3)	
2016F	$0/MWh
2017T	$0/MWh
2018T	Below $10/MWh
2019T	Mid-$10s/MWh

1) Merchant margin is calculated using $40/MWh and $60/MWh and is based on hedged position as at Nov 30, 2016
2) Based on existing plants plus committed development projects. Financial obligations include interest payments (including interest during construction), sustaining contracted capital expenditures and general & administration expenses.
3) Dividends include common and preferred dividends. Assumes consistent common dividend growth in 2017-18.
4) Forwards as of Nov 30, 2016.
5) Includes government compensation.

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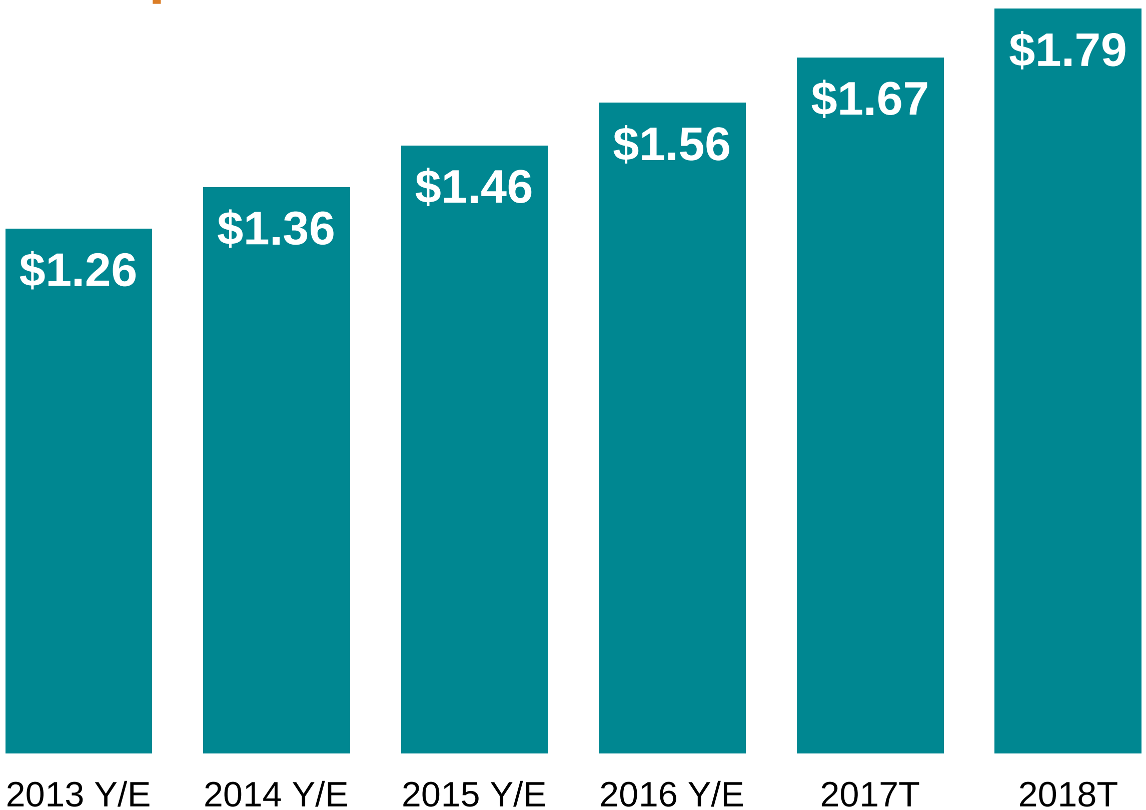
Target annual dividend increases

Annualized dividend per common share(1,2)



- Annual 7% dividend growth guidance to 2018
- Pipeline of opportunities to expand contracted footprint throughout North America

Well positioned to deliver consistent annual dividend growth

1) Subject to market conditions, economic outlook, cash flow forecast, and Board approval at the time.
2) 2013 to 2016 annualized dividend based on year-end quarterly common shares dividend declared.

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