

Leading Energy Services, Supply, Manufacturing and Innovation

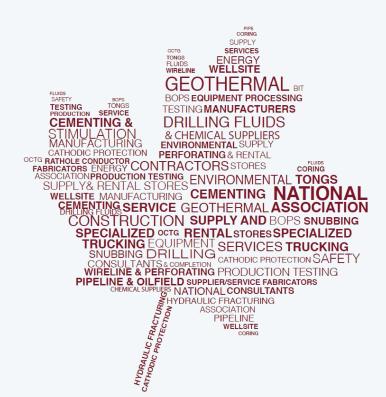
5th Annual Saskatchewan Oil and Gas Supply Chain Forum

Gary Mar
President and CEO

October 3, 2019

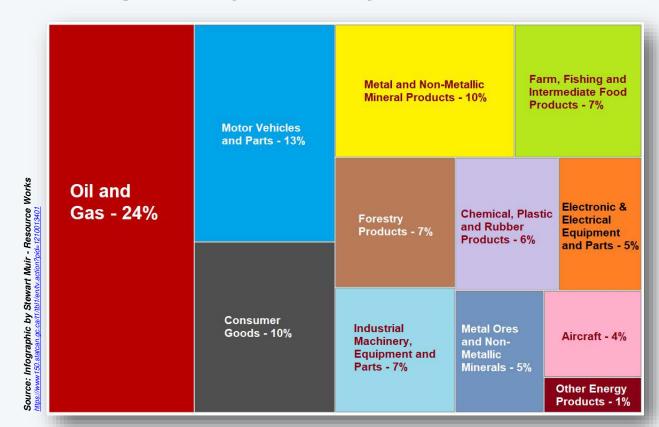
About PSAC

- National trade association
- Representing service, supply and manufacturing sectors
- 18 business subsectors, over 250 products and services
- Over 450,000 workers across Canada





Canadian Exports by Industry

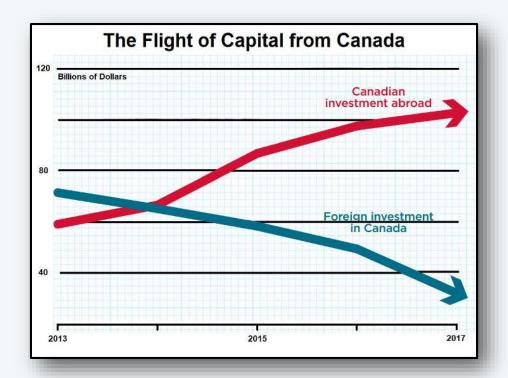




Capital is fleeing Canada

The Fraser Institute reports:

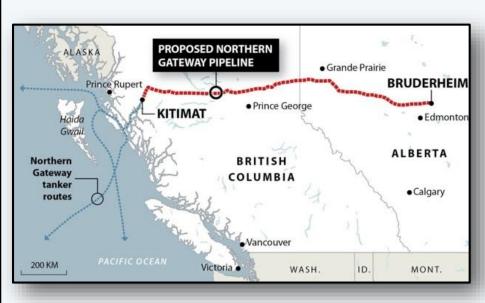
"Canadians have increasingly looked to other countries to invest, with the amount Canadians invest abroad rising 74 per cent from 2013 to 2017. At the same time, foreign direct investment—investment from other countries into Canada—dropped a staggering 55.1 per cent from 2013 to 2017."

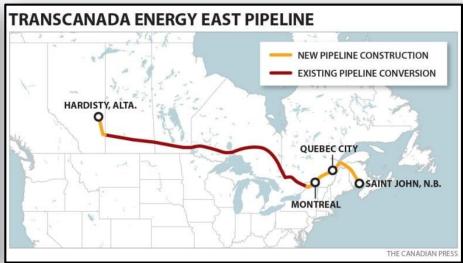




Pipelines cancelled

Northern Gateway, Energy East





Source: BOE Report

https://boereport.com/2016/01/13/b-c-supreme-court-hands-another-setback-to-northern-gateway-pipeline

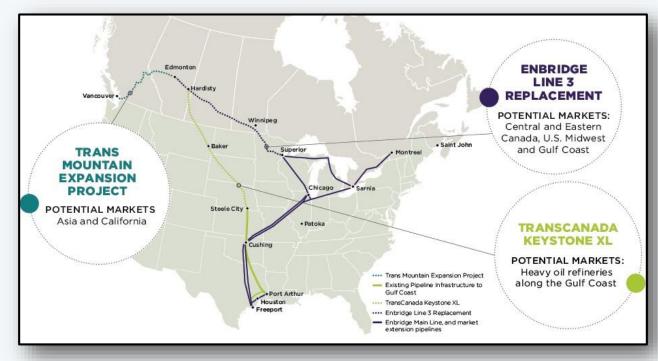
Source: CBC

https://www.cbc.ca/news/canada/new-brunswick/energy-eastpipeline-completion-date-pushed-back-to-2020-1.3019311



Pipelines delayed

Line 3, TMX, Keystone XL





Canada is losing \$ billions



Loss to Canada: \$80 Million per day \$92 Billion (2008–2020e)



Source: Canada Action, 92 Billion



Why are we losing billions?

Canadians are realizing foreign groups sabotaged our energy economy — for no good reason

Former B.C. justice minister says the reality is more people in the province support Trans Mountain pipeline than oppose it



Thousands of people march together during a protest against the Kinder Morgan Trans Mountain pipeline expansion in Burnaby. B.C. THE CANADIAN PRESS/Durrul Duck

Corbella: Researcher exposes money trail behind U.S.-based campaign to kill the oilsands

CIA CORBELLA Updated: January 17, 2019

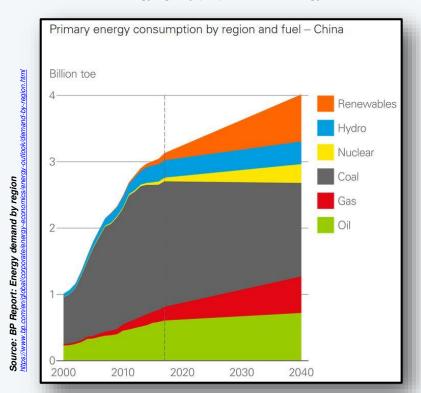
Calgary Herald

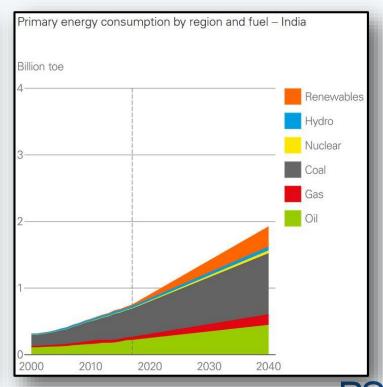




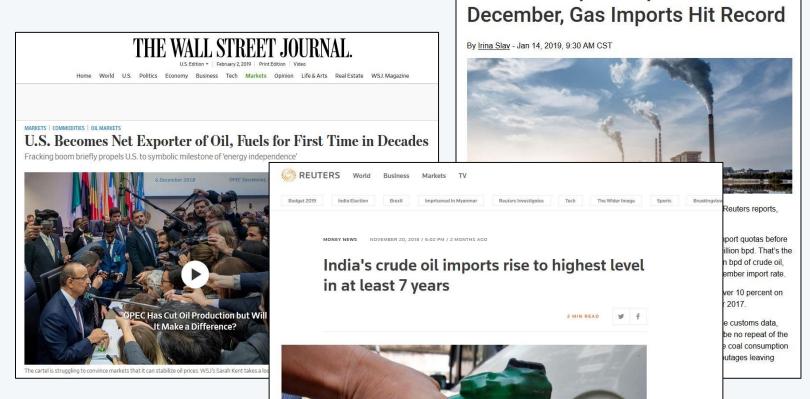
Global energy demand will grow by 27% by 2040

Source: International energy Agency (IEA) 2008 World Energy Outlook





Global News



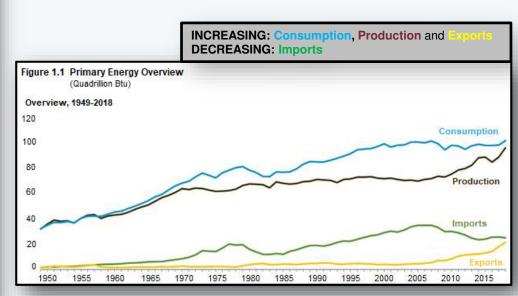
China Oil Imports Up 30% In



Source: Forbes: U.S. Crude Oil Production, Export Hit Record Levels https://www.torbes.com/sites/judeclemente/2019/03/01/u-s-crude-oil-production-exports-hit-record-levels/#494a6a785a78

U.S. Oil and Natural Gas Production at Record Levels





Source: U.S. EIA – April 2019 Monthly Energy Review, Fig 1.1
https://www.eia.gov/totalenergy/data/monthly/odf/mer.pdf





Leading Energy Services, Supply, Manufacturing and Innovation

Changing the Narrative

PSAC Public Relations





PSAC is raising awareness of the national supply chain for oil and gas that benefits all Canadians, and highlighting manufacturing jobs.



PSAC speaks on BNN about the national supply chain for oil and gas in Canada





PSAC at the Vaughan Chamber of Commerce in ON



PSAC speaks to local businesses in Ontario about the benefits of Canada's oil and gas supply chain to all Canadians including manufacturing jobs.





Leading Energy Services, Supply, Manufacturing and Innovation

Canadian Oil & Gas Industry Outlook

PSAC Oilfield Service Activity Outlook Sections

- Operating costs, conventional and oil sands
- Drilling
- Wells, pipelines, and facility closure/ decommissioning



2019 Commodity Price Assumptions

Original Forecast (November 2018)

- Average gas price (AECO)
- Average oil price (WTI)
- Dollar (CAD\$ vs USD\$)

Revised Forecast (July 2019)

- Average gas price (AECO)
- Average oil price (WTI)
- Dollar (CAD\$ vs USD\$)

CDN \$1.45/mcf

US \$69.00/ barrel

\$0.80

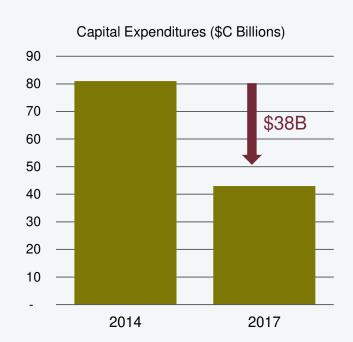
CDN \$1.60/mcf

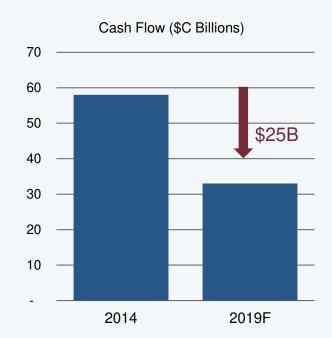
US \$57.00/ barrel

\$0.76



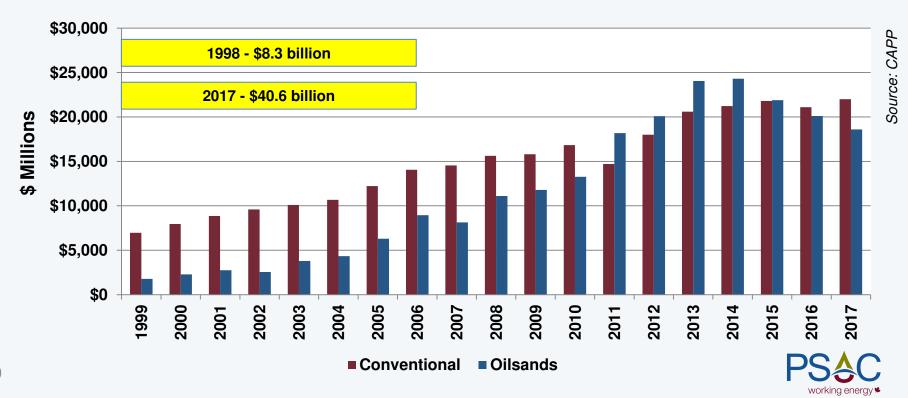
Capital and Cash Flow: 2014 versus 2019 *projected*



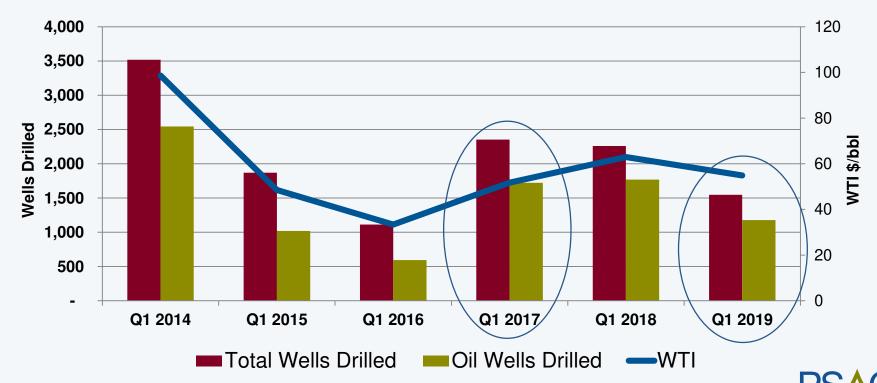




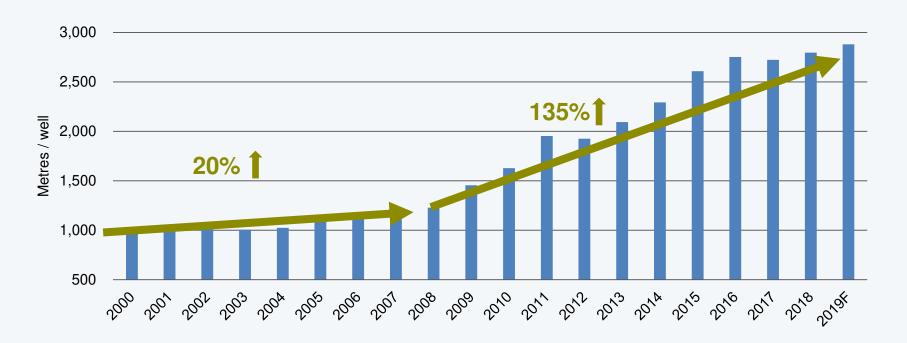
Production Operating Costs (1999 – 2017)



WTI price vs Wells Drilled – Q1 2014 to 2019

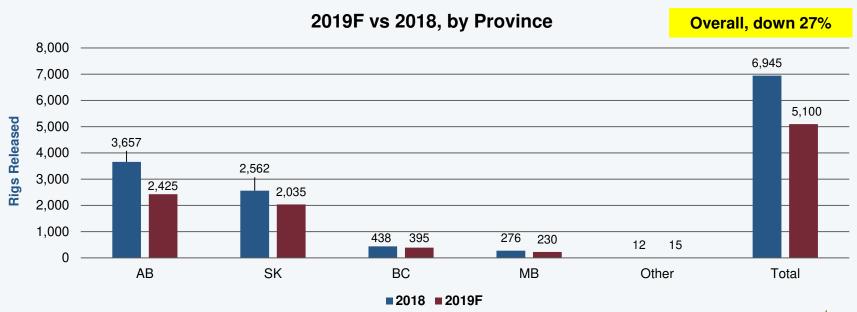


Average meterage per well



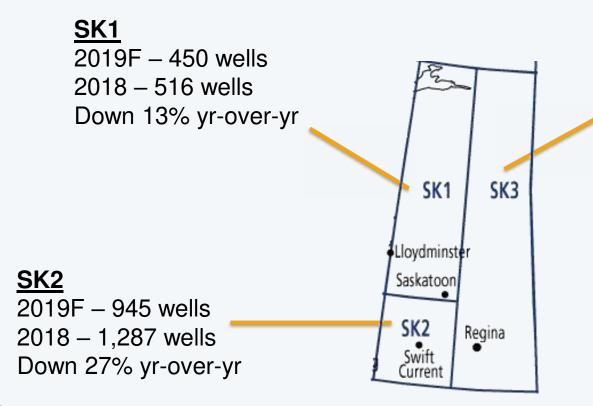


2019 Forecast vs 2018 actual, by province





Trends in Saskatchewan



SK3

2019F – 640 wells 2018 – 759 wells Down 16% yr-over-yr

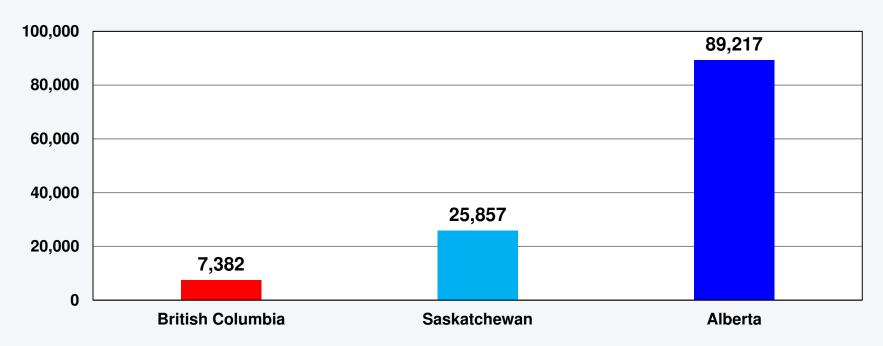




Closure Activity Forecast

Decommissioning / Abandonment Reclamation and Remediation of Wellbores, Wellsites, Pipelines and Facilities

Inactive Well Base* 122,456 inactive wells in three provinces – November 2018



^{*}Source: Globe and Mail November 23, 2018, provincial regulator data



2019 Forecast Closure Activity

Saskatchewan

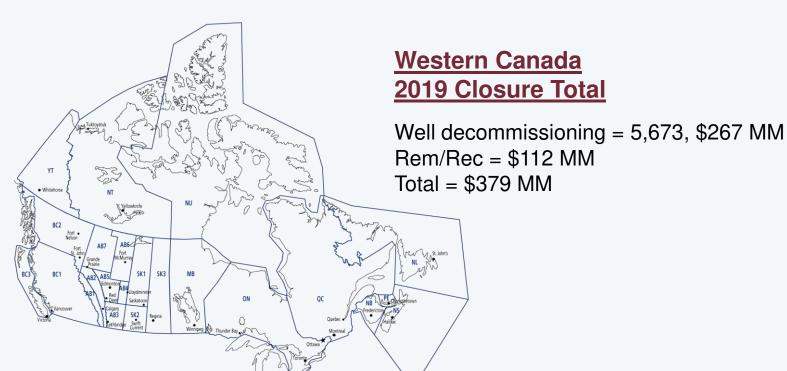


Saskatchewan 2019 Closure Total (est.)

Well decommissioning = 265, \$12 MMe Rem / Rec = \$5 Mme Total = \$17 MMe

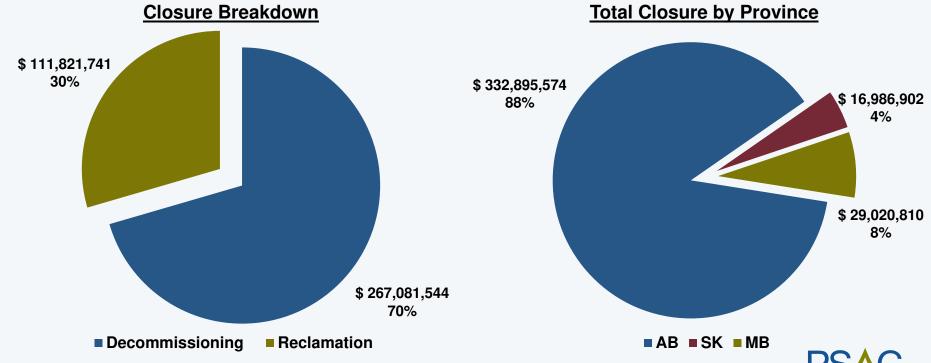


2019 Forecast Closure Activity Western Canada





2019 Forecast Closure Activity Western Canada



Final Remarks

- Activity in Canada down despite rising global demand
- Access to tide water = ceiling on oil and gas development
- Natural gas market remains challenged; NGLs positive
- Uncertainty = limiting investment in Canadian O&G
- Canadians for Canada's Future <u>www.canadiansforcanadasfuture.ca</u>
- Adopt and lead a "Canada first" mindset
- The world needs more Canadian Energy!!!!

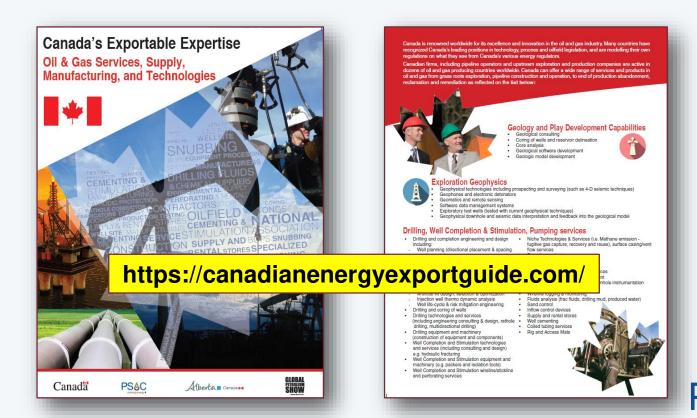




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Resources

Canada's Energy Export Guide & Database

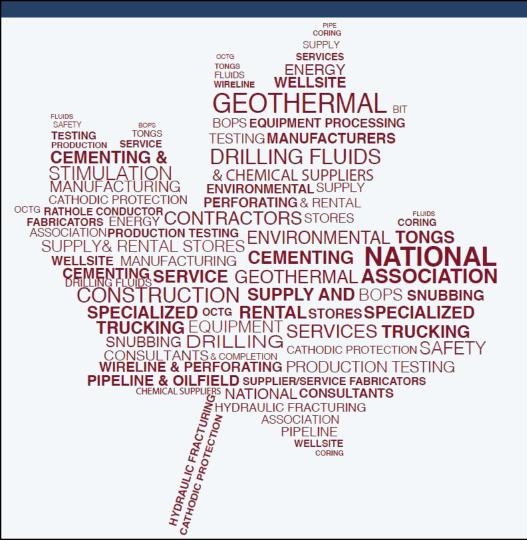




Community Partners









Petroleum Services Association of Canada

Thank you

For more information, please visit **psac.ca**