

Kinder Morgan Canada

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President Kinder Morgan Canada

Trans Mountain Pipeline



Current Capacity

- 300 MBbl/d ex-Edmonton
- 241 MBbl/d to Puget Sound

Markets

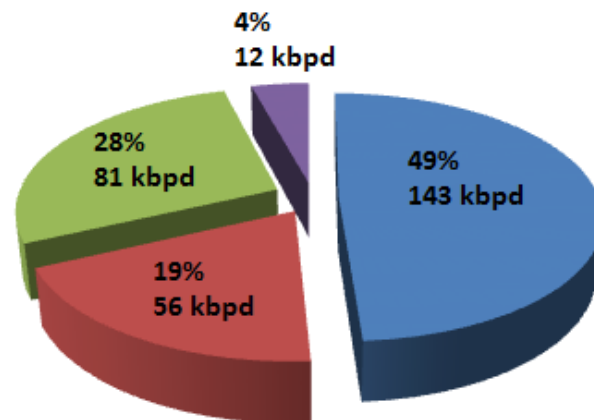
- British Columbia
 - Crude and Refined Products
- Washington State Refineries
- Westridge Marine Terminal
 - Offshore Markets

Regulation

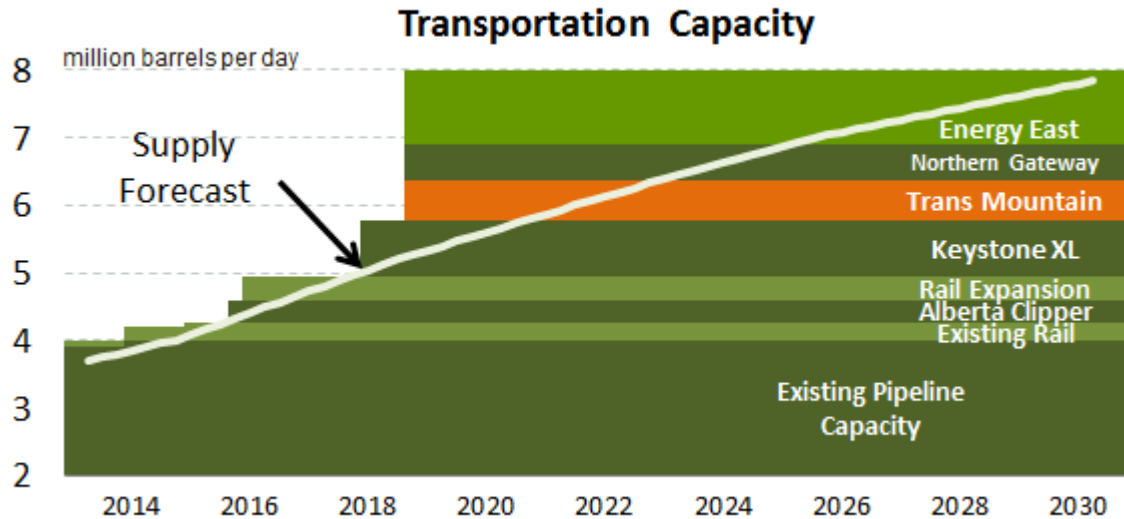
- National Energy Board Regulated
- 2013–2015 toll settlement
 - Extension Option

2014 Trans Mountain Pipeline Throughput by Destination

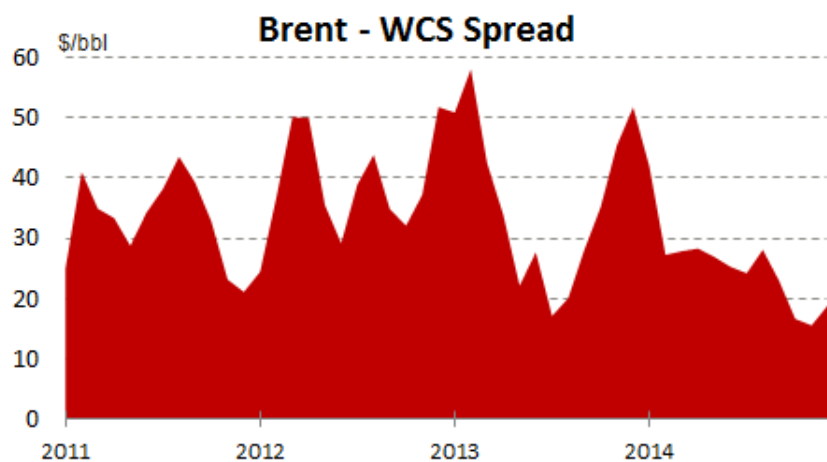
- Puget Sound
- Westridge Dock
- Burnaby
- Kamloops



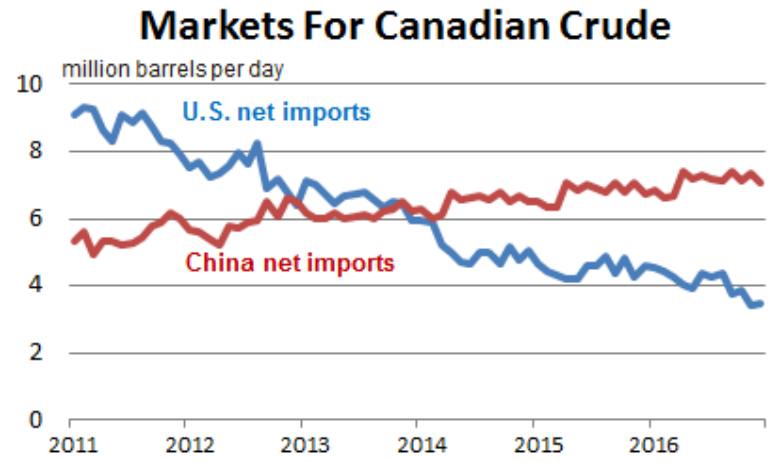
Market Access Drivers



Source: 2014 CAPP Crude Oil Forecast, Kinder Morgan



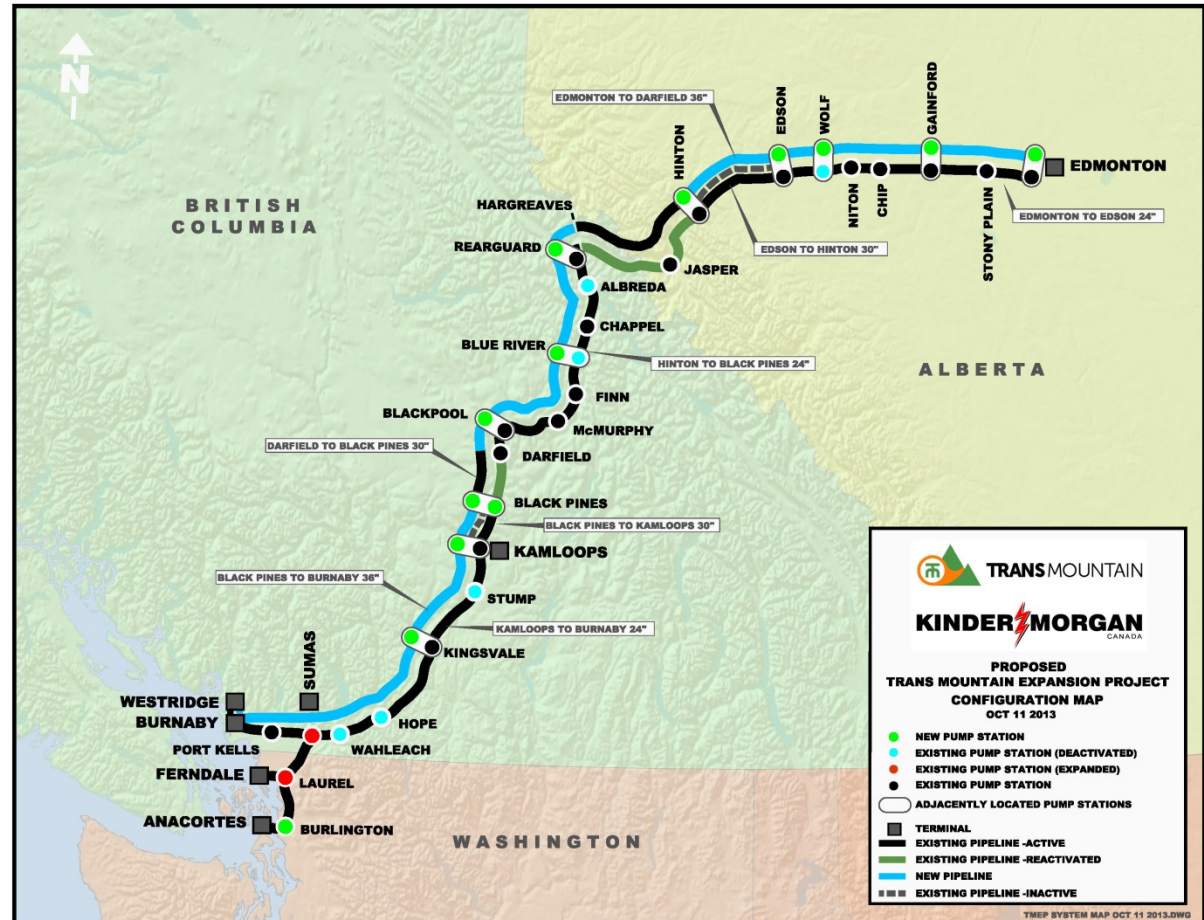
Source: Index Mundi, NGX



Source: Jan 2014 US EIA Short-term Energy Outlook

Trans Mountain Expansion Project

- **Expansion to: 890 MBbl/d**
 - Continue to serve local markets
 - 630 MBbl/d tanker export capacity
- **13 Companies, 708 MBbl/d**
 - Take-or-pay contracts, 15 & 20 years
 - In-service: Q3, 2018
 - Commercial Terms NEB approved May, 2013
- **Projected Cost \$5.4B**
 - Cost pass through protection
 - 615 miles new pipe
 - 12 new pump stations
 - 20 new tanks
 - 3 new tanker berths
- **Vast majority of development costs covered by existing contract revenues**
- **NEB recommendation to Minister Jan, 2016**
- **Final Federal decision April 12, 2016**



Trans Mountain Expansion Projected Timeline



Trans Mountain Expansion

Accomplished

- **NEB Approved Commercial Terms**
- **Comprehensive facilities application filed Dec. 2013**
- **Extensive Stakeholder and Aboriginal engagement**
 - > 1,500 meetings
- **First Nations**
 - 20 Supporting Mutual Benefit Agreements (MBA)
 - 135 communities consulted
 - 50 communities actively engaged
- **Route Corridors Identified**
 - Supporting environmental and geotech studies
- **Completion of Marine Studies**
- **BC Provincial interest being addressed**
 - Regulatory environmental assessment process
 - Marine response enhancements
 - Terrestrial spill plan
 - Plan to address Aboriginal rights and involvement
 - Economic benefits identified
 - Including tanker risk & spill response

Ongoing Work

- **Pipeline construction planning in environmentally sensitive habitat areas**
- **Pipeline spill response capacity and preparedness planning**
- **Risks and Response Planning associated with increased tanker traffic along south coast of BC**
- **Building positive long-term relationships with Aboriginal communities**
- **Land acquisition program underway**
- **Procurement/Contracting Planning**
- **Detailed Engineering Design**
- **Final Route Selection**
- **Construction planning at Municipal level**
- **Non-NEB Permitting Processes**
- **Community/Stakeholder Engagement**

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