



# Trans Mountain Expansion Project Project Update and Construction Plans

Blue River  
February 8, 2017



**TRANS**MOUNTAIN

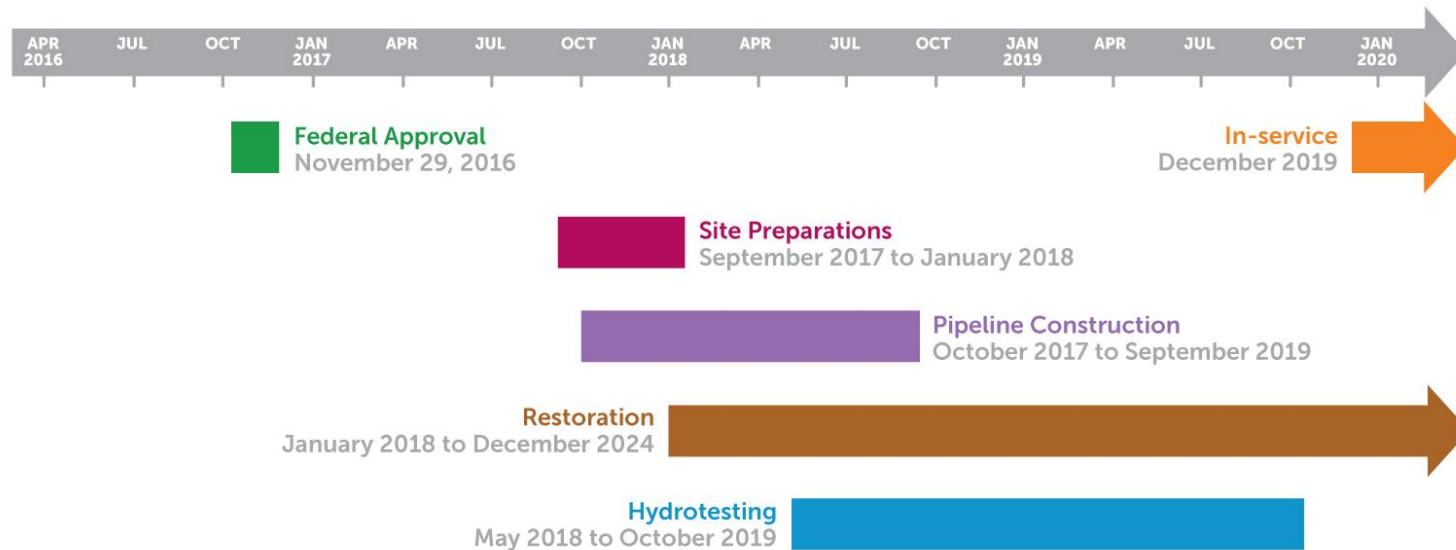
# Trans Mountain Expansion



- \$6.8-billion capital cost\*
- Expand capacity to 890,000 bpd
- Project scope
  - 980 kms new pipe
  - 12 new pump stations
  - 19 new tanks
  - 3 new tanker berths
- Increase in tanker traffic – not tanker size
- Westridge and Burnaby Terminals construction
- Project has received approvals
- 15- and 20 -contracts with shippers
- \$8.5-million Community Benefit Agreement

\*Actual Project costs may change

# Trans Mountain Construction Schedule\*



**Federal Approval** • Governor in Council approved the Project following a positive recommendation from the National Energy Board in May 2016

**Site Preparations** • Line sweep, clearing, grading, access

**Pipeline Construction** • Haul, string, weld, lower-in, tie-in

**Restoration** • Cleanup, remove access, reclamation, monitoring

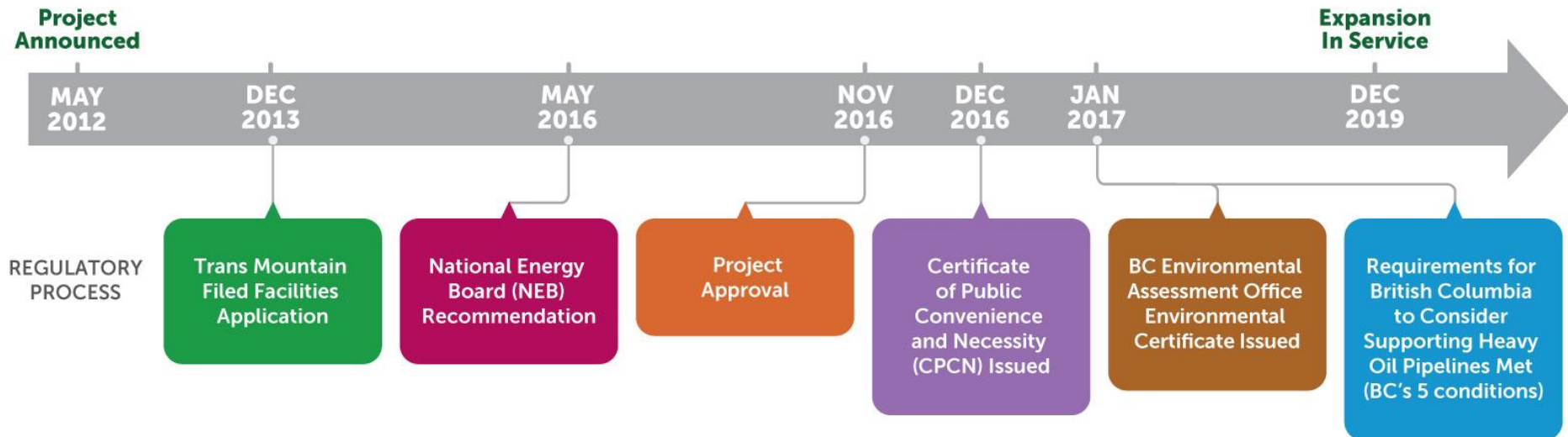
**Hydrotesting**

**In-service**

January 2017: Subject to change.

\*This schedule is subject to change based on detailed construction planning and regulatory timelines.

# Regulatory Process



This schedule is subject to change based on detailed construction planning and regulatory timelines.



# Project Conditions

## Conditions:

- 157 – NEB
- 37 – British Columbia Environmental Assessment Office (BCEAO)
- Variety of filing deadlines from pre-construction to operations
- Commitments (Condition 2)
  - 1,000 commitments to stakeholders and communities



# Construction in Blue River



# Construction in Spread 4 – Blue River

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- Construction Hub: Construction Yard
- September 2017:
  - Clearing
  - Temporary Sites
  - High Risk HDD crossings
- Q1 2018: Camp Construction
- January 2018 – February 2019: Pipeline Construction
- May 2019 – July 2019: Testing and Valve Installation

# Workforce Hosting in Blue River

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- Summer 2018: Estimated Peak workforce 700 plus 60 TMEP Construction Management staff
- Full Service Camp – Estimated 550-person capacity
  - Amenities include: Beds, food services, laundry, recreation, health and medical services
- Local Accommodation with additional accommodation in Valemount, Clearwater and Blue River, if required



# Workforce Hosting

- A Worker Code of Conduct will be developed by the general contractor, with input from Trans Mountain
- Trans Mountain is developing a Worker Accommodation Strategy in collaboration with contractors and local governments



# Job Opportunities



- Trans Mountain is committed to maximizing opportunities for Aboriginal, local and regional residents
- Workers will be hired through contractors
- Contractors developing Employment Plans for approval by TMEP
- Contractors will actively recruit in advance of construction
- Interested individuals can register their interest at [www.transmountain.com/jobs](http://www.transmountain.com/jobs)



# Typical Pipeline Spread

47 Management

24 Foreman

26 Straw Boss

12 Mechanic

130 Equipment Operator

52 Driver

19 Coater/Sandblaster

31 Welder

31 Welder's Helper

20 Labourer Plus

145 Labourer

8 Tester

6 Medical and Security

35 Direct Pipe/HDD

# Procurement Opportunities

- Trans Mountain is committed to providing Project-related business opportunities to Aboriginal, local and regional groups
- \$4.5 billion anticipated in goods and services required
- Anticipated contracting opportunities:
  - Contracting Services
  - Professional Services
  - Materials/Equipment
  - Support Services





# Procurement Opportunities

- Contractors developing Procurement Plan for approval by TMEP
- Contractors will award contracts to selected services and suppliers
- Register interest at [www.transmountain.com/procurement](http://www.transmountain.com/procurement)



# Project Status and Next Steps

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- Q1 / Q2 2017:
  - Final cost estimate review with shippers
  - Final investment decision (FID) by the Kinder Morgan Board of Directors
- Q1 – Q3 2017: Continue to refine engineering, complete field work and planning for construction execution
- Q2 2017 – Q1 2018: Contractors Employment and Procurement Plan implementation.
- September 2017: Construction start – clearing, temporary sites and HDDs of high-risk crossings
- Late 2019: In-service
- 2019 – 2020+: Remediation and post-construction monitoring

# Discussion Tables

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- Jobs
- Procurement
- Workforce Hosting

# We Want To Hear From You



## CONTACT US: Trans Mountain Expansion Project



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