



Trans Mountain Expansion Project Project Update and Construction Plans

Village of Valemount
February 7, 2017



TRANSMOUNTAIN

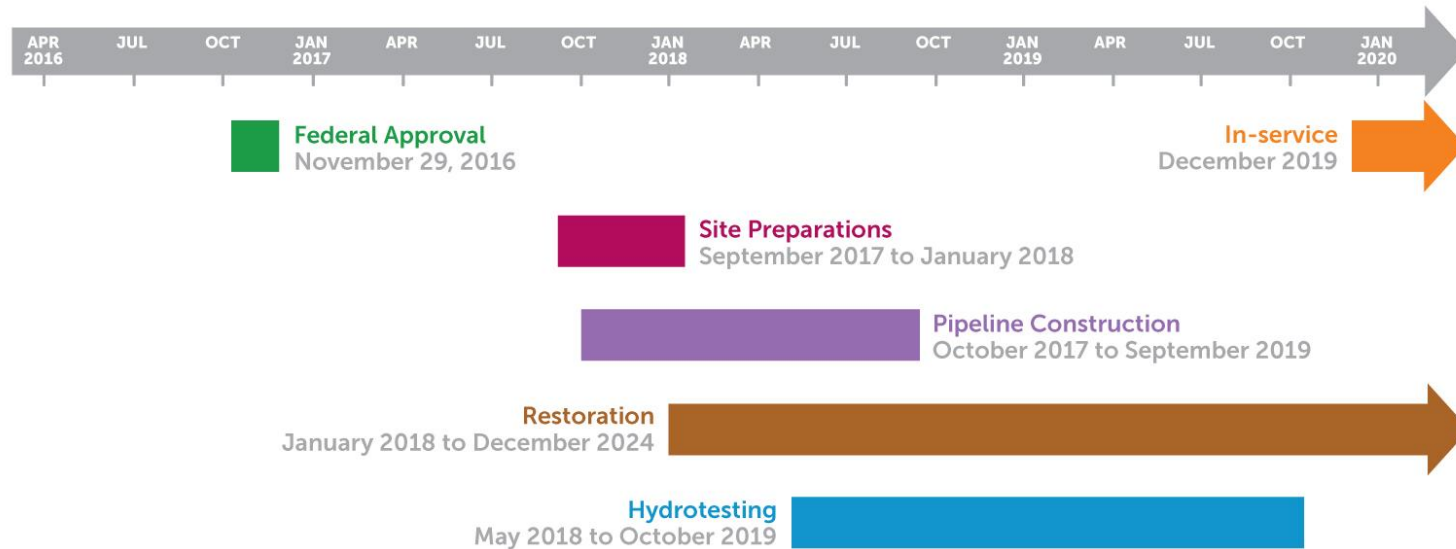
Trans Mountain Expansion



- \$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-year contracts with shippers
- \$8.5-million Community Benefit Agreements

*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

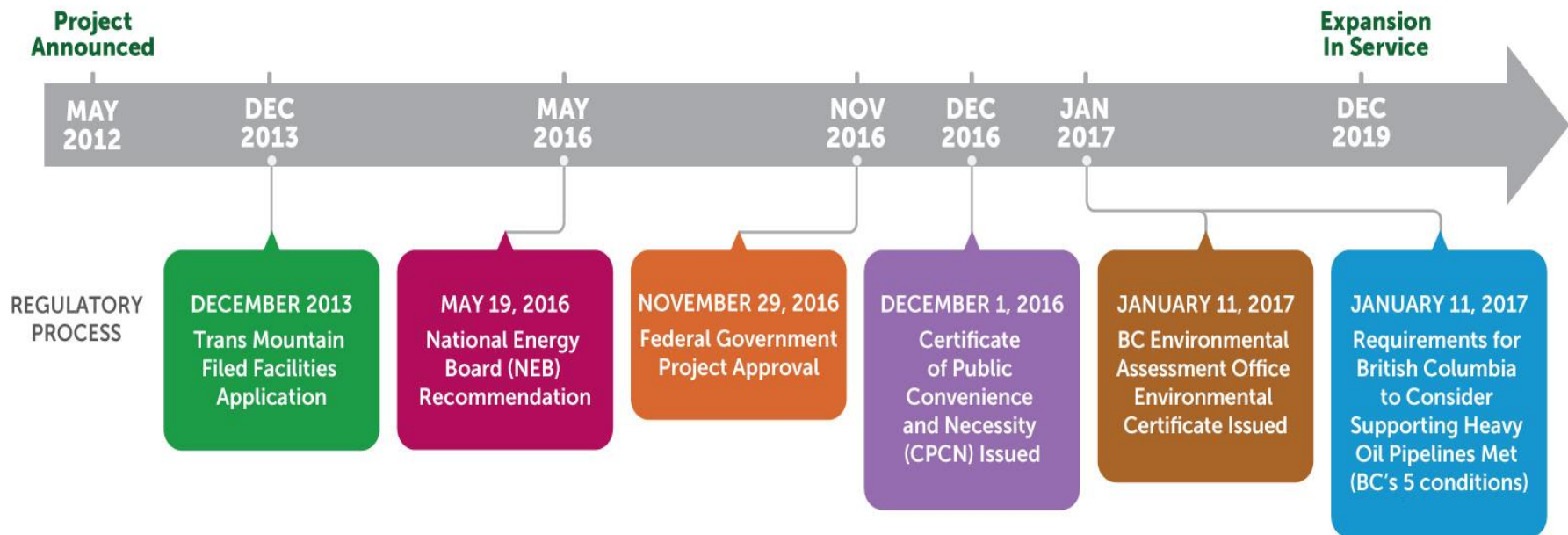
Hydrotesting

In-service

January 2017. Subject to change.

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

Regulatory Process



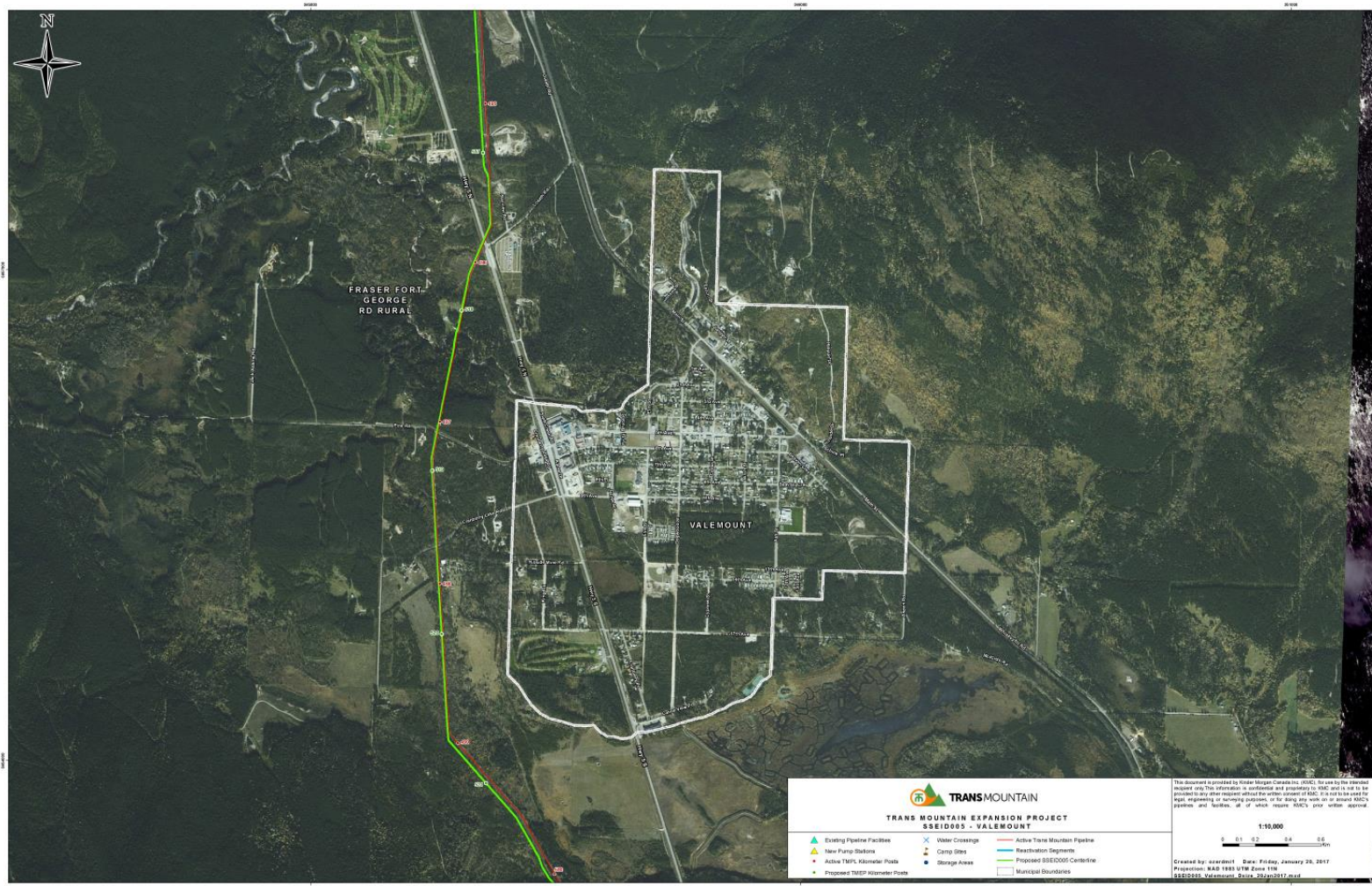
Project Conditions

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 Valemount



Construction in Spread 3 - Valemount



- Construction Hub: Pipe Laydown and Construction Yard
- September 2017:
 - Clearing
 - Temporary Sites
 - High Risk HDD Crossings
- Q4 2017: Camp Construction
- October 2017 – February 2019: Pipeline Construction
- November 2018 – March 2019: Testing and Valve Installation



Workforce Hosting

- Spring 2018: Estimated Peak workforce 700 plus 60 TMEP Construction Management staff
- Sleeper Camp – Estimated 350 person capacity
 - Amenities include: Beds, laundry, recreation, health and medical services
- Local Accommodation: Hotels, RV Parks and Rentals



Workforce Hosting

- A Worker Code of Conduct will be developed by the 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 providing opportunities for Aboriginal, local and regional residents
- Workers will be hired through contractors
- Contractors developing Employment Plans for approval by TMEP
- Interested individuals can register their interest at www.transmountain.com/jobs
- Contractors will actively recruit in advance of construction



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



Project Status and Next Steps

- 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



- Jobs
- Procurement
- Workforce Hosting

DISCUSSION TABLES

We Want To Hear From You



CONTACT US: Trans Mountain Expansion Project



info@transmountain.com



1.866.514.6700



transmountain.com



@TransMtn



youtube.com/transmtn



soundcloud.com/transmountain



Provide Your Feedback:

transmountain.com/talk



2844 Bainbridge Avenue,
PO Box 84028, Bainbridge,
Burnaby, BC, V5A 4T9 CANADA