



# Trans Mountain Expansion Project Project Update and Construction Plans City of Merritt

February 22, 2017



**TRANSMOUNTAIN**



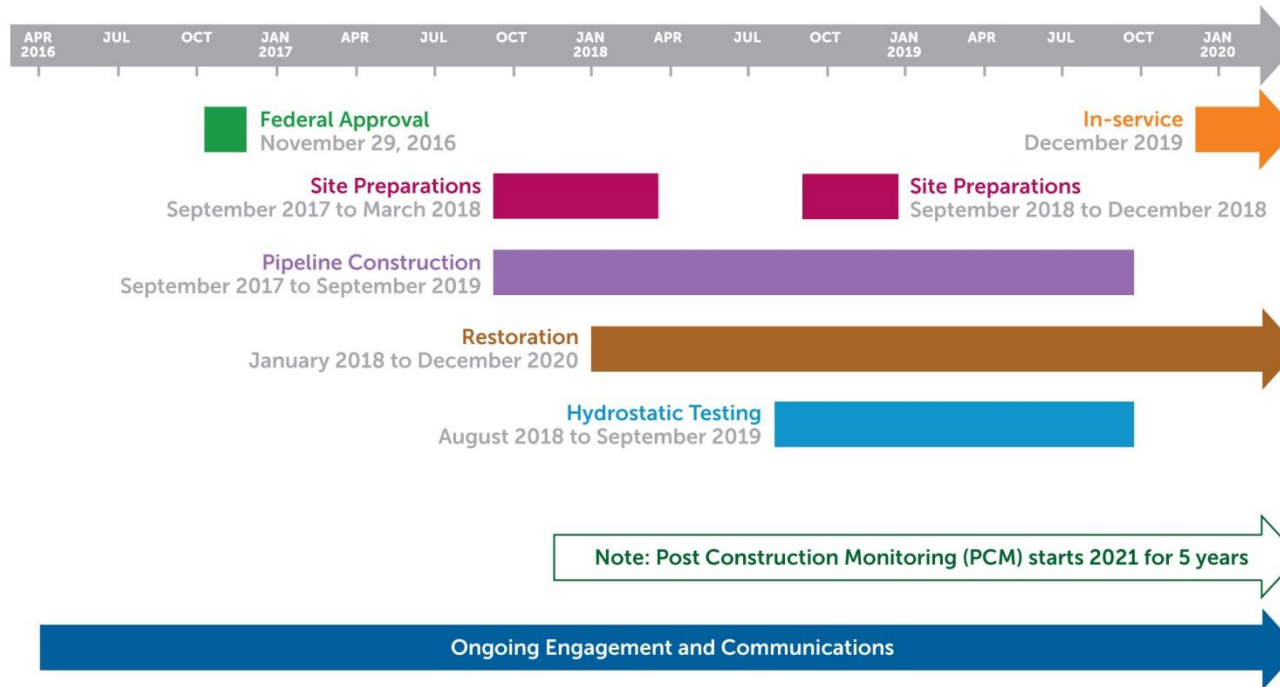
# Trans Mountain Expansion



- \$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, access

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

Restoration • Cleanup, remove access, reclamation, monitoring

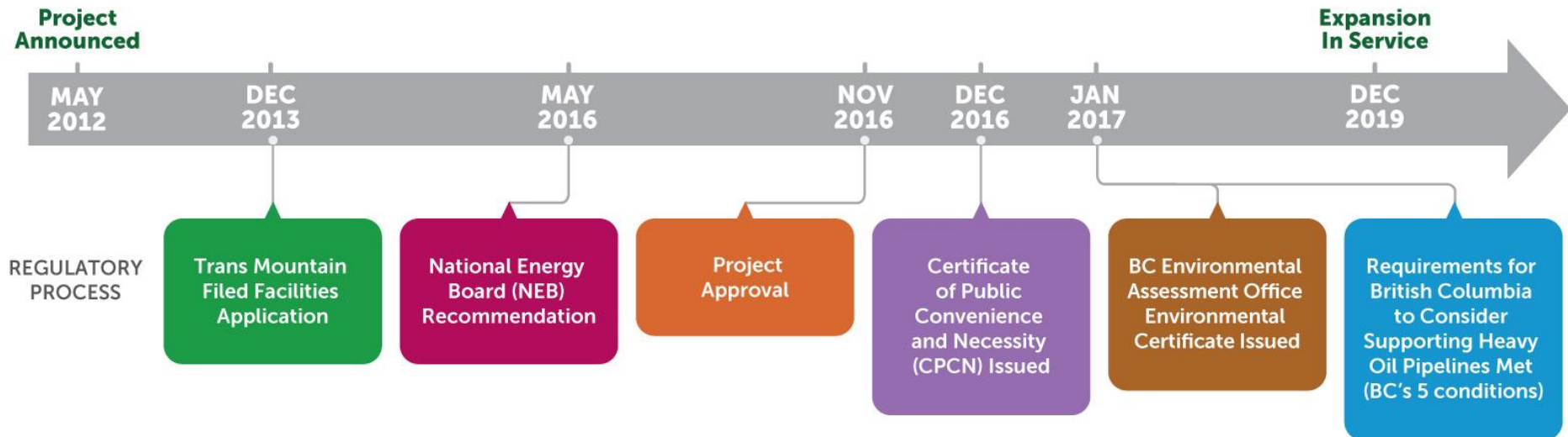
Hydrostatic testing

In-service

February 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.



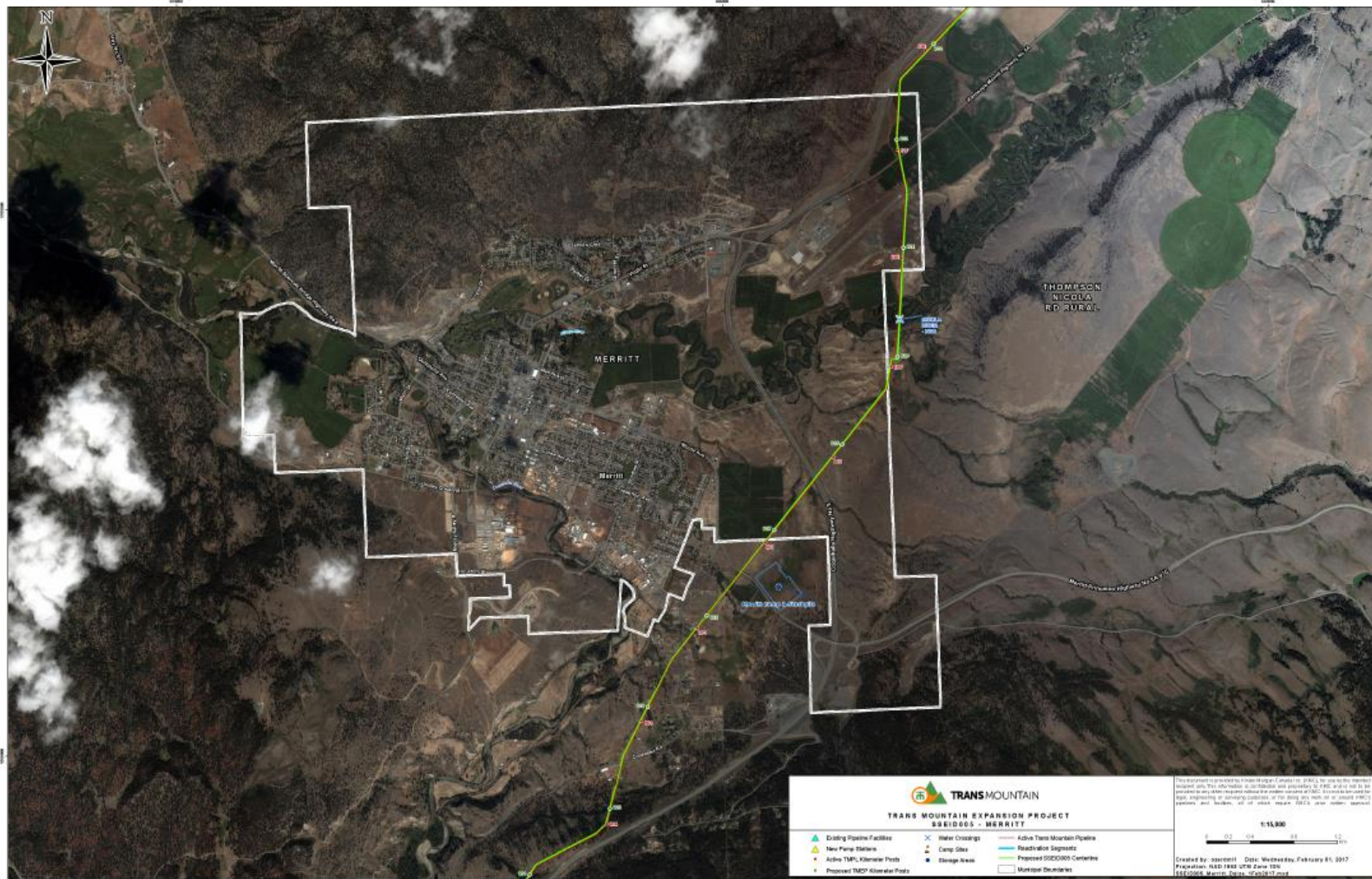
# Project Conditions



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



# Construction in Merritt



# Construction in Merritt

- September 2017:
  - Temporary Sites
  - Clearing Start
- July 2018 – August 2019: Pipeline Construction
- July 2019 – September 2019: Testing and Valve Installation
- Q1 2018: Camp Construction



# Workforce Hosting in Merritt

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- Summer 2018: Estimated Peak workforce 550 plus 60 KMC Construction Management staff
- Sleeper Camp – Estimated 350 person capacity
  - Amenities include: Beds, laundry, as well as some recreation, health and medical services
- Local Accommodation: Hotels, RV Parks, and Rentals



# Workforce Hosting



- Trans Mountain has developed a Worker Accommodation Strategy in collaboration with contractors and local governments
- A Worker Code of Conduct will be developed by the Contractor to align with Trans Mountain WCC



# 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
- Contractors will actively recruit in advance of construction
- Interested individuals can register their interest at [www.transmountain.com/jobs](http://www.transmountain.com/jobs)



# Estimated Pipeline Crew Size in Spread 5A



10 Survey

100 Indirects

40 Welders

150 Operators

200 Labourers

80 Truck Drivers

40 Camp Support

10 Non-Destructive Testing

30 Trenchless

40 Construction Management

**700 Approximate Total**

# Procurement Opportunities

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





# Procurement Opportunities

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- 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+: Reclamation 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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