

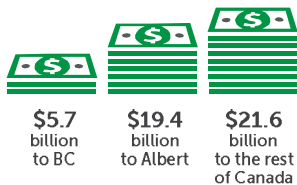
ECONOMIC BENEFITS

The \$6.8* billion Trans Mountain Expansion Project **will deliver** significant economic benefits for Canadians.



By unlocking access to world markets for oil, the Project will result in increased tax dollars and years of employment.

\$46.7 billion provincial/federal taxes during construction, over 20 years of operations and from impacts of higher prices for oil producers, including:



CANADA WILL EARN APPROXIMATELY



more a year for our oil as a result of selling it to international markets

AT THE MUNICIPAL LEVEL, the approval of the Expansion Project **would increase property tax revenue by \$530 million** to local governments along the pipeline right-of-way over 20 years.



TOTAL PROPERTY TAXES PAID OVER 20 YEARS OF OPERATIONS WOULD INCREASE TO:

Burnaby: **\$264 million**
Thompson-Nicola Regional District: **\$262 million**
Yellowhead County: **\$45.6 million**

The Project would generate more than 800,000 person years of employment during construction and 20 years of operations.



Person-years of employment:

BC: 189,000 Alberta: 441,000 Rest of Canada: 171,000



*Actual Project costs may change.

Trans Mountain is committed to providing Project-related employment and business opportunities for Aboriginal, local and regional groups along the pipeline corridor. Contractors responsible for building the Project will work jointly with Trans Mountain to select sub-contractors, suppliers and other required vendors.

Trans Mountain is gathering a list of interested vendors through an online procurement registry. This information will be provided to contractors to assist with the selection process.

Selection Process

- Suppliers
 - Trans Mountain and the contractors will each create a short list of companies from the procurement registry
 - The top three companies will be issued a Request for Proposal (RFP)
 - The contractors will evaluate completed proposals and notify successful vendors

Interested vendors can register their interest at www.transmountain.com/procurement.



The procurement of goods and services for the construction of the Trans Mountain Expansion Project will be largely conducted through Contractors hired directly by Trans Mountain. Trans Mountain and the selected Contractors will work closely to identify the existing business capacities that reside within the Aboriginal, local and regional communities located along the TMEP pipeline corridor.

Anticipated Contracting Opportunities



CONTRACTOR SERVICES

- Blasting
- Cathodic Protection
- Concrete Work
- Construction (Facility)
- Construction (Pipeline)
- Crane Operations
- Dock Work
- Dredging
- Drilling
- Electrical & Instrumentation
- Erosion Control
- Excavation
- Foundation Work
- Grading
- Hot Tapping
- Hydrovac
- Line Locating
- Marine Diving
- Painting
- Pile Driving
- Pipe Bending
- Pipe Coating
- Reclamation/ Remediation
- ROW Clearing
- Roadwork
- Sandblasting
- Scaffolding
- Steel Erection
- Tank Coating
- Tank Erection
- Tree Fallers
- Welding



PROFESSIONAL SERVICES

- Communications
- Design
- Emergency Response
- Engineering Services
- Environmental Services
- Equipment Certification
- Inspection Services
- IT System Work
- Laboratories & Research
- Marine Consulting
- Non-destructive Testing
- Project Management
- Specialized Services
- Surveying
- X-ray Materials/ Equipment



MATERIALS/ EQUIPMENT

- ATV/Snowmobiles
- Boats
- Bridges
- Compaction
- Cranes
- Earthmoving/ Excavation
- Electrical
- Equipment Rental
- Heavy Equipment
- HVAC
- Hydro-testing
- Instrumentation & Controls
- Loading Equipment
- Mats
- Main Control Panels
- Metering Skids/Provers
- Modular Buildings
- Motors
- Pipe
- Pumps
- Specialized Tools
- Switchgear
- Transformers
- Valves & Fittings
- Variable Frequency Drives



SUPPORT SERVICES

- Accommodations
- Aerial Services
- Catering Food/Services
- Fencing
- Fire Control/Protection
- First Aid Services
- Hauling (Delivery & Pick-up)
- Industrial Camps
- Janitorial/Sanitary Services
- Laundry Services
- Mowing & Ground Care/ ROW Maintenance
- On-Site Machine Shop Work
- Personnel Transportation
- Postal/Delivery Service
- Recruiting & Staffing
- Road Dust Control
- Safety Services
- Security Services
- Signage
- Snow Plowing
- Steam or Pressure Cleaning
- Thawing Services
- Towing & Vehicle Repair
- Traffic Control
- Transportation Services
- Waste Management Services
- Water Transportation

CREATING JOBS

The Trans Mountain Expansion Project will offer a variety of jobs in BC and Alberta related to building the approximately 980 kilometres of new pipeline and associated facilities. Construction will take place in a phased approach between September 2017 and December 2019.

Employment

=

**more than 800,000 person years during
Construction and 20 Years of Operation**



189,000 person years in BC



441,000 person years in Alberta



171,000 in other Provinces/Territories

**The equivalent number
of jobs per year:**

=

**15,000 for construction (9,000 in BC)
37,000 for operations (8,000 in BC)**

The majority of jobs will be created during pipeline construction and span a wide variety of responsibilities, skill levels and trade specializations.

Workers will be hired mainly through contractors responsible for building the pipeline spreads and facilities which include terminals and pump stations.

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

Typical Pump Station Crew:



- 2 Management
- 4 Inspector
- 4 Foreman
- 2 Millwright
- 3 Welder
- 3 Pipefitter
- 6 Electrician
- 6 Carpenter
- 1 Crane Operator
- 2 Painter/Coater
- 4 Building Erector
- 6 Site Prep Earthworks
- 6 Labourer

Trans Mountain is working to identify individuals who are interested in employment opportunities. We are committed to maximizing opportunities for Aboriginal, local and regional residents. Register your interest online at www.transmountain.com/jobs.

Maintaining a high standard of worker conduct ensures the protection of employees, the community and the environment as well as Trans Mountain's property and reputation.

The Worker Code of Conduct (WCC) outlines standards for worker behavior both at work and in the community. Trans Mountain has established a WCC for the entire Project. Each general Contractor working on the Project will develop a Contractor-specific Code of Conduct aligning with the Project-wide Code.

The Code of Conduct includes, however, is not limited to, the following topics:

- General conduct, health and safety
- Working in parks and sensitive environments
- Dishonesty and illegal activity
- Workplace harassment and violence
- Community and after-hours behaviour

Workers will be required to sign the Code of Conduct prior to beginning employment. Any violation could lead to discipline including termination of employment on the Project.



A Socio-Economic Effects Monitoring Plan (SEEMP) has been developed to address Trans Mountain's commitments to stakeholders as well as meet the requirements of NEB Condition 13. The SEEMP will form part of a broader strategy to monitor and report on Project-related socio-economic effects, and will be submitted to the National Energy Board prior to the start of construction.

Trans Mountain identified a number of sources of data (indicators) in the SEEMP to help track socio-economic effects of the Project. These indicators will help monitor construction effects and will provide Trans Mountain with an opportunity to adjust mitigation for any adverse community impacts.

Indicators have been identified for construction-related activities such as:

- Traffic
- Worker accommodation
- Worker health
- Sensory disturbance
- Impacts on community services such as health, medical and emergency
- Changes in population, unemployment, rental and vacancy rates

Potentially affected Aboriginal groups, communities, local and regional authorities as well as service providers provided feedback on the indicators and monitoring approach as part of construction planning.

