







































TRANSMOUNTAIN EXPANSION PROJECT

PROJECT UPDATE

March 2013 Issue

ADDITIONAL CUSTOMER SUPPORT RESULTS IN SCOPE CHANGES TO THE PROPOSED TRANS MOUNTAIN EXPANSION PROJECT

More support from customers – the shippers who transport products in the Trans Mountain Pipeline – means an update to the scope of Trans Mountain's proposal to expand the pipeline between Strathcona County, near Edmonton, and Burnaby.

As a result of a recently-completed supplemental open season process (a way for shippers to say how much capacity they would use on the pipeline), customers have signed new long-term contracts – 15 or 20 years. The additional commitments will result in an increase to the proposed capacity of the expansion project.

"We are very pleased with the response from our customers and the market," said lan Anderson, President of Kinder Morgan Canada. "This clearly demonstrates industry support for our project." Trans Mountain's commercial customers are shippers who use the pipeline to move products to refineries and markets.

Trans Mountain's revised expansion project is proposing a capacity of 890,000 barrels per day with a capital investment of \$5.4 billion. The expansion will complete the looping of the pipeline system that was first started in 1957. The 1,150-km pipeline has been in operation since 1953.

"We will continue to engage, consult, communicate and gather information," added Anderson. What the proposed expansion project will look like will be determined this year through the various engineering and routing studies, Environmental and Socio-Economic Assessment and engagement activities with landowners, stakeholders, communities and Aboriginal groups.



Trans Mountain Expansion Project – Projected Scope January 2013

Projected Capital Cost	\$5.4 billion
Barrels Per Day Capacity	890,000
Length of New Pipeline to be Added (or replaced)	980 km
Expansion Pipeline Diameter	36 inches
Number of Storage Tanks	21 new storage tanks at existing storage terminals in Strathcona County, Alberta, Sumas, BC and Burnaby, BC for a total of 61 storage tanks
Number of Pump Stations	11 new pump stations for a total of 35 pump stations
Westridge Marine Terminal	Three loading berths plus one utility berth with spill response equipment







Burnaby Terminal



Sumas Pump Station and Terminal

The Anchor Loop Project: Expanding the Trans Mountain Pipeline in Jasper and Mount Robson Parks



Completed in 2008, Trans Mountain's award-winning Anchor Loop project involved installing a second pipeline adjacent to the existing Trans Mountain pipeline — a 158-kilometre section of the existing Trans Mountain system between Hinton, Alberta and Hargreaves, BC, just west of Mount Robson Provincial Park. This included looping a portion of the pipeline system crossing Jasper National Park and Mount Robson Provincial Park, both designated part of the Canadian Rocky Mountains Parks, a United Nations Educational, Scientific, and Cultural Organization (UNESCO) World Heritage Site. The project also involved installing two new pump stations.

Anchor Loop project planning and permitting began in 2004 and included a robust engagement program that consulted with local stakeholders, environmental groups, Aboriginal Peoples and other interested parties and, given the sensitive environmental considerations, a rigorous environmental assessment (EA) process that met or exceeded the stringent environmental standards demanded of the project.

In 2009, several major restoration activities helped ensure a positive project legacy in both Jasper National Park and Mount Robson Provincial Park. A comprehensive recap of the Anchor Loop project can be found at www.transmountain.com/anchor-loop.



GATHERING FEEDBACK ON THE PROPOSED EXPANSION OF THE TRANS MOUNTAIN PIPELINE









From Edmonton to Vancouver Island, members of the Trans Mountain Expansion Project Team hosted more than three dozen public information sessions in 30 communities from October 2012 to January 2013.

Held in places such as community halls and school gyms, the sessions gave people the opportunity to view introductory details about the proposed project, speak directly with members of the project team and offer their comments and feedback.

In addition to the public information sessions, some 250 meetings and workshops with local governments and interest groups have taken place to introduce the project since the proposed expansion was announced in April, 2012.

"These information sessions along the pipeline and marine corridors were an opportunity for us to hear questions and concerns people may have about the proposed expansion project," explained Greg Toth, Senior Director, Trans Mountain Expansion Project. "This valuable feedback from each community visited will help us with our planning as we develop our project application to the National Energy Board."

Community engagement will continue this year with a number of opportunities to participate. All comments and concerns gathered will be incorporated into the project's comprehensive Facilities Application to be filed to the National Energy Board (NEB) in late 2013. The NEB is the federal regulator of Canadian pipelines that cross interprovincial and international boundaries.



Public Information Sessions provided an opportunity for discussion with members of the Trans Mountain Expansion Project team.



Greg Toth at a Trans Mountain Expansion Project Public Information session in Vancouver in November 2012.

Highlights of Trans Mountain's fall 2012 engagement program:

- More than 2,200 people attended the 37 public information sessions in 30 communities along the pipeline route and the marine corridor
- 58 meetings between project team members and stakeholder groups
- 85 interviews with news media outlets
- 489 tweets from the @TransMtn Twitter account
- Online engagement on our new project website (www.transmountain.com)
 - →17,645 visits
 - →45 questions posted to our Question & Answer (Q&A) board
- 250 Feedback Forms submitted
- Approximately 2,500 printed copies of our Discussion Guide distributed
- 326 copies of our Discussion Guide downloaded from our website
- 228 emails to the project email address and 64 phone calls to the toll-free info line





The information sessions and discussions with stakeholders to date have brought forward many ideas, comments and concerns about the potential impacts from Trans Mountain's proposed expansion. This feedback will be used in Trans Mountain's project planning.

The top areas of interest/concern that were identified in discussions and through feedback provided in this phase were:

- Socio-economic benefits and impacts of the project
- Routing of the proposed pipeline
- Marine tankers and the impacts of increased tanker traffic
- Spills and emergency response, both on land and at sea
- Pipeline safety
- Oilsands development and global warming

A full summary of the fall 2012 engagement activities can be found on the project website.





FIELD STUDIES UPDATE







Since summer 2012, crews have been examining vegetation, soils and wetlands and documenting fish and wildlife habitat along the Trans Mountain Pipeline corridor and marine study area.

The goal of these field programs is to collect environmental and socio-economic information that will be included in the Trans Mountain Expansion Project's application to the National Energy Board.

Members of First Nations communities and First Nation-owned businesses have participated in the summer and fall studies.

Study teams have also completed several meetings with municipal, regional districts, provincial and federal regulators to review the field data collection methods and the overall approach to the environmental and socio-economic assessment. Specialists and technical specialists preparing the assessment will continue to meet with First Nations, government, industry, public and nongovernment organization representatives to identify and discuss issues and gather information on areas that could be affected by the proposed pipeline expansion project.

Winter 2013 Studies

A winter fisheries program includes an assessment of fish and fish habitat at locations where the proposed new pipeline would cross rivers and streams as well as the collection of stream flow information and conditions.

Other activities include:

- Habitat review to track where animals spend the winter along the proposed route from Valemount to Hope, BC
- Soil surveys and archaeology work in the Lower Mainland
- Water-bird surveys around the Westridge Marine Terminal in Burnaby, BC

 Traditional land use studies will continue to be developed in collaboration with First Nations communities for both the land and marine environments

Spring and Summer Activities in 2013

Most of the field programs will take place between April 1 and September 30, 2013. An array of field studies including, but not limited to, soil, wildlife, fisheries, wetlands and rare plant and rare plant community surveys as well as terrain ecosystem mapping, groundwater, archaeological, palaeontological, air, and noise assessments will be completed from Edmonton to Burnaby. At the Westridge Marine Terminal, sediment sampling will be conducted and a remotely operated vessel will be deployed to collect information on marine invertebrates, fish and fish habitat, vegetation and marine substrate. Assessments of nearshore habitat, archaeology, underwater and atmospheric noise as well as human health and ecological risks will be conducted.

Similar to the programs in 2012, First Nations and First Nation owned businesses will participate in field programs to assist in the data collection and sharing of traditional knowledge.

In 2013, more than 200 scientists, experts, assessment specialists, and field technicians will be involved to collect background and scientific information to support the Environmental and Socioeconomic Assessment related to the proposed expansion project.





Members of the Trans Mountain Expansion Project team will continue to share accurate and timely project information. We will meet with stakeholders to seek meaningful input on the approach to the project's Environmental and Socio-Economic Assessment (ESA).

The ESA will examine natural and human elements in the land and marine environments associated with the proposed pipeline expansion project. Some of the topics addressed in the ESA include:

Natural Environment	Human Environment
Wildlife, including birds	Traditional land and resource use
Wetlands Air and	Archaeology and heritage resources
noise emissions Soils	Human occupancy and resource use
Surface water quality and quantity	Employment and economy
Groundwater quality and quantity	Infrastructure and services
Fish and fish habitat	Human health
Vegetation	Viewsheds and aesthetics
Ecological risks	Social and cultural well-being

Local workshops will be held and will include discussions on local project impacts and discussions on routing alternatives in areas where the proposed twinned pipeline route could deviate from the existing pipeline's right-of-way.

We invite you to stay connected. Send us an email at info@transmountain.com, call us at 1.866.514.6700, follow the project on Twitter (@transmtn) and at www.transmountain.com.



ROUTING THE PROPOSED EXPANDED PIPELINE

Trans Mountain's objective is to build the proposed new pipeline safely while minimizing impacts to its neighbours. Our goal is to follow the existing Trans Mountain right-of-way, where practical.

We know that there have been significant changes in land use and growth in urban areas since the original pipeline was built. So, in some locations, there will be a need to find route alternatives.

Developing a proposed new route for a pipeline is a detailed process and involves much more than just sketching lines on maps. As a part of Trans Mountain's comprehensive routing studies, discussions are taking place with municipalities, landowners, Aboriginal groups, and stakeholders along the pipeline corridor. Environmental and engineering studies are also underway.

Visit www.transmountain.com/existing-community-level-maps for details about the pipeline routing and mapping process.



2013 MARKS THE 60TH ANNIVERSARY OF THE TRANS MOUNTAIN PIPELINE

The Trans Mountain Pipeline system began transporting crude oil from northern Alberta to Burnaby, BC in 1953. The building of the Trans Mountain Pipeline followed the discovery of oil in Leduc, Alberta in 1947. This famous discovery marked the birth of Western Canada's modern oil industry and has been called one of the most important economic discoveries in Canada's history.

In 1950, engineers began studying the routes over the Rocky Mountains to build the pipeline between Edmonton and Vancouver.

This photo commemorates the arrival of the first oil in Burnaby through the Trans Mountain Pipeline in October 1953.







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The Company's Consultation Program

As part of the Board's application process, a company proposing a pipeline or power line must meet the requirements of the *National Energy Board Act, the Canadian Environment Assessment Act* and other regulatory requirements.

For most projects, the company is also required to conduct a consultation program to communicate with all individuals, groups and agencies that may be affected by the project. The company should involve those who are potentially affected early in the planning and design phases of the project, and respond to concerns or input. Interested groups and individuals should become involved in the public consultation process as early as possible to raise their concerns.

The company's consultation program should continue throughout the planning and design phases of the project and – if the project is approved – during construction, operation and abandonment. The company is also expected to develop plans for ongoing communication during operation of the project. The Board expects the company to respond to any issues or complaints it might receive through the life of the project.

Dispute Resolution

We encourage you to work with the company to address any concerns. However, if you need dispute resolution assistance, the Board offers Appropriate Dispute Resolution services. This process could take the form of a meeting between you and the company, and may be facilitated by a neutral third party from inside or outside the Board. If you require such assistance, please contact us.

Toll Free 1-800-899-1265



For Further Information:

The NEB publication *Pipeline Regulation in Canada: A Guide for Landowners and the Public* may be useful as it describes the lifecycle of a pipeline, and the rights of landowners and the public. It discusses regulatory processes administered by the Board, including how concerns about projects can be addressed. The publication titled *The Public Hearing Process* describes the Board's public hearing process and how you can become involved.

For copies of NEB publications, contact us:

- Online www.neb-one.gc.ca
- Email publications@neb-one.gc.ca
- Toll free 1-800-899-1265
- Write us or visit our library at: National Energy Board 444 - Seventh Avenue S.W. Calgary, Alberta T2P 0X8

A Proposed Pipeline or Power Line Project: What You Need to Know Cat. No. NE23-121/2011E-PDF ISBN 978-1-100-16992-7



A Proposed Pipeline or Power Line Project

What You Need to Know



Canada



Becoming Involved and Staying Informed

You may be aware that a company is proposing to construct a pipeline or power line in your area that will be regulated by the National Energy Board (NEB or the Board). The Board encourages regulated companies to communicate with and involve the public when planning and developing projects.

This brochure describes:

- The role of the National Energy Board,
- Board requirements regarding the company's consultation program,
- The Board's dispute resolution process, and
- How to obtain further information.

The Role of the National Energy Board

The National Energy Board is an independent federal regulator established in 1959 to promote safety and security, environmental protection, and economic efficiency in the Canadian public interest within the mandate set by Parliament for the regulation of pipelines, energy development and trade. It reports to Parliament through the Minister of Natural Resources.

Before a company can develop a pipeline or power line, it must apply to the National Energy Board and receive its approval. The Board examines whether the project is in the public interest, and then decides whether it should be approved.

For some proposed projects, the Board holds public hearings. It decides whether a hearing is needed based on the nature of the project, its potential effects, and the level of public concern. Generally, hearings are not required for projects less than 40 kilometres in length, or for additions to existing systems.

Hearings are open to the public and anybody can attend as an observer. If you have concerns or views about a project, you are encouraged to participate by providing comments or becoming an intervenor. To become an intervenor, you must apply to the Board for intervenor status. Application forms for intervenor status are on the NEB website under Public Participation > Templates for Public Participation. Intervenors can be landowners, area residents, government agencies, Aboriginal groups, companies, or other interested individuals or groups.

Participant funding may be available for eligible recipients wanting to participate in NEB oral hearings related to facility applications. For more information on eligibility criteria under the Participant Funding Program, visit our website and click on Public Participation.

