

# Optimizing

## Trans Mountain's Pipeline System



Trans Mountain operates Canada's only pipeline system transporting oil and refined products to the West Coast. Our pipeline spans more than 1,180 kilometres (km) in Alberta and British Columbia and 111 km in Washington state. We also operate Westridge Marine Terminal (WMT), a marine loading facility with three berths providing tidewater access to global markets. Since 1956, WMT has maintained a strong safety record, with no spills from vessel operations.

As a federal Crown corporation, Trans Mountain draws on more than 70 years of experience, consistently delivering operational, environmental and safety excellence.



**TRANS**MOUNTAIN

## The Pipeline System Today

With the Trans Mountain Expansion Project in-service as of May 2024, the current system capacity is 890,000 barrels per day (bpd).

The Trans Mountain pipeline system continues to deliver significant benefits to Canada and pipeline communities, including:

- Increased royalties and tax revenues
- Enhanced trade diversification
- Strengthened energy independence

## LOOKING AHEAD:

## Optimizing Our Pipeline System

Trans Mountain is committed to maximizing value for Canadians by identifying and assessing opportunities to enhance efficiency and increase capacity.

Trans Mountain is exploring concepts to optimize its existing pipeline system. With targeted improvements, throughput could increase by up to 360,000 bpd, for a total of up to 1,250,000 bpd over the next four to five years.



## Mainline Optimization

Currently in early engineering and design, and subject to confirmation, the proposed project could include:

- Adding approximately 30 kilometres of 36-inch pipe between Darfield and McLure
- Installing additional pump capacity and undertaking other facility improvements between Edmonton and Burnaby
- To enable these improvements, additional power is required in BC and Alberta. Trans Mountain is working with electrical utilities in both provinces to ensure power needs are met

## Drag Reducing Agent

This initiative would involve injecting a drag reducing agent (DRA), a chemical additive that reduces friction inside the pipeline and improves flow at existing pump stations, potentially increasing throughput by up to 10 per cent of the current throughput (by approximately 90,000 bpd). Scope includes:

- Prefabricated DRA skids—including injection units, modules and delivery systems—at existing facilities between Hinton and Hope Station

## Puget Sound Optimization

In its conceptual phase, this project could increase throughput on the 111-km Puget Sound pipeline between Abbotsford, BC, and Skagit County, WA, from about 240,000 bpd to approximately 300,000 bpd.

This may be achieved through planned upgrades at our existing Sumas Terminal in Abbotsford and Laurel Station in Whatcom County, WA.

## Next Steps and Timelines

These optimization concepts are in the early planning stages. They are subject to technical and commercial confirmation, as well as a thorough consultation and engagement process, and a robust regulatory review.

The Canada Energy Regulator will lead the review process on any Trans Mountain proposed projects in Canada.

If these initiatives proceed, the pipeline system could be optimized in the next four to five years.

