

Appendix D: Proposed Regional Natural Gas Infrastructure Project Descriptions

Today's market for regional infrastructure capacity values reliability, diversity of supply and tidewater access for the export of LNG. It is only a matter of time before new capacity within the region will be required. Figure C4 on page 19 in the *Capacity* section illustrates active regional infrastructure proposals, which include:

Enbridge T-South Expansions: Following a highly successful open season, Enbridge is proceeding to add 190 million cubic feet per day (MMcf/d) of additional firm capacity supported by long-term contracts under a cost-of-service framework, which will enable greater access for growing Montney production to attractive demand markets in the Pacific Northwest by late 2021. In addition, Enbridge continues to evaluate further expansion of its T-South system to provide incremental delivery options for growing Western Canada gas supply to Northwest markets. Future expansions on T-South would require pipeline looping and compression and could be brought into service post 2022.

FortisBC Southern Crossing Expansion: FortisBC's existing Southern Crossing pipeline system enables bidirectional gas flow between Enbridge's T-South system at Kingsvale, BC, and TC Energy's BC system just upstream from the interconnection with GTN at Kingsgate, ID. The proposed expansion involves a 161-kilometre (km, or 100-mile) pipeline looping project on the segment between Kingsvale and Oliver, BC, and would facilitate access to an additional 300-400 MMcf/d of bidirectional capacity. This expansion would provide pipeline diversity and security of gas supply by moving Alberta-sourced gas east to west to serve existing demand and potential industrial projects proposed for the BC Lower Mainland and the I-5 Corridor. In addition, this expansion would also allow gas flow from Station 2 to the Kingsgate market, improving the utilization of BC pipeline capacity when demand is low during summer months.

Northwest Pipeline (NWP) Sumas Express: Williams NWP continues to assess the regional benefits of expanding its system along the I-5 Corridor from Sumas, WA, to the market areas in WA and OR. NWP believes that expanding in its existing corridor is both economical and permissible and can be accomplished in a scalable manner to meet anticipated regional growth. Depending on ultimate market needs, NWP can meet demand growth by adding additional loop and compression at its existing compressor stations in the corridor.

TC Energy System Enhancements: TC Energy currently has two proposed projects to increase the capacity of the NGTL System West Path to the Alberta/BC border for export delivery services. In April 2019, TC Energy received NEB approval to begin construction on the second phase of the West Path Delivery Project, which will provide an additional 264 MMcf/d of firm transportation service to the Alberta/BC export delivery point commencing in June 2020. Additionally, NGTL, Foothills BC and GTN coordinated to conduct an open season for a 261 MMcf/d expansion project to provide additional firm services from the NOVA Inventory Transfer (NIT) service through GTN. The first 100 MMcf/d segment of the expansion capacity is targeted to come in-service November 1, 2022, and the second 160.5 MMcf/d is targeted to come in-service November 1, 2023.

Pembina Pacific Connector Gas Pipeline Project (PCGP): The PCGP is a proposed 229-mile (369 km) 36-inch diameter pipeline extending from Malin to Coos Bay, OR. PCGP will serve the Jordan Cove LNG export terminal. PCGP includes a compressor station located near Malin yielding a total project design capacity of more than 1,000 MMcf/d. The pipeline will provide access to supplies from Western Canada and the U.S. Rockies via interconnections with GTN and the Ruby Pipeline.