

4415.0130 PROJECT EXPANSION

If the pipeline and associated facilities are designed for expansion in the future, the applicant shall provide a description of how the proposed pipeline and associated facilities may be expanded by looping, by additional compressor and pump stations, or by other available methods.

Alberta Clipper

As described in Sections 4415.0115 and 4415.0120, the Annual Capacity of the Alberta Clipper Project is 450,000 bpd. In addition to the new 36-inch diameter pipeline, the Alberta Clipper Project involves adding new pumps at the Viking, Clearbrook Terminal, Deer River stations in Minnesota.

The pipeline has been designed to be expandable through horsepower additions up to 800,000 bpd Annual Capacity. To achieve this, Enbridge Energy, Limited Partnership would add pumps at 25 station sites between Hardisty, Alberta and Superior, Wisconsin. In the United States, 7 stations would be modified, all in Minnesota, including Donaldson (MP 814.1), Viking (MP 848.2), Plummer (MP877.1), Clearbrook Terminal (909.5), Cass Lake (MP D953.1), Deer River (MP D995.8), and Floodwood (MP 1044.2). New 6,000 HP pump additions would be located at Donaldson (3 new units), Plummer (2 new units), Cass Lake (3 new units), and Floodwood (3 new units). The remaining sites (Viking, Clearbrook, and Deer River) would require new pump impellers and related modifications. No other modifications including looping would be required for the pipeline to achieve the ultimate capacity.

Enbridge Energy, Limited Partnership does not currently plan on expanding the Alberta Clipper Project.

Southern Lights Diluent

The Annual Capacity of the Southern Lights Diluent Project is 180,000 bpd. In addition to the new 20-inch diameter pipeline, facility modifications include adding new pumps at the Clearbrook and Superior Terminals.

The Ultimate Capacity allows for up to 330,000 bpd. This would require Enbridge Pipelines (Southern Lights) L.L.C. to add pumping units at the Floodwood, Deer River, Cass Lake, Plummer, and Donaldson stations in Minnesota. No other modifications including looping would be required for the pipeline to achieve the Ultimate Capacity.

Enbridge Pipelines (Southern Lights) L.L.C. has not developed plans to expand the Southern Lights Diluent Project.