

Tunnel Telegram



Enbridge Line 5 community newsletter

Fall 2021

Welcome - Connecting with the Community

We are excited about the changing seasons. As we say goodbye to the vibrant fall colors of this autumn, we know with winter approaching that we can look forward to the holidays and exhilarating outdoor and cozy indoor activities each year brings.

You might be looking for something new to explore. As we continue to look for ways to connect with community members in the Great Lakes Region, we're thrilled to announce that we are opening a new information center in St. Ignace at 214 N State Street. You are welcome to come visit us and to learn more about the Straits of Mackinac and how Line 5 delivers safe, reliable energy to the region. We've worked hard to design the new information center to be engaging and we're interested to see what you think. Our educational displays and life size mural highlight our preparations for Michigan's Great Lakes Tunnel Project as our displays celebrate being part of the community since 1953 and look forward to safe operations for decades to come.

Recently, we hosted two virtual project meetings in October and November. The Mackinac Straits Corridor Authority met in town on October 13, and we were pleased to be part of that event as well.

We value your feedback. You can always reach us by telephone at **(855)-869-8209**, send us an email at **line5info@enbridge.com** or visit our virtual open house anytime at: **www.enbridgeopenhouse.com/line5/**. And now stop by **214 N State Street, Monday – Friday from 10:00 a.m. - 2:00 p.m.**

Fall tourism

Few things can compete with Michigan's beaches and lakeshores in the summer—except when the State dresses in its most vibrant colors that attract thousands eager to enjoy fall in its glory.

While the picturesque beauty attracts those seeking to enjoy the fall, Michigan also offers a host of activities, food and fun. At pumpkin patches, vineyards and apple-picking farms, Michigan welcomes residents and tourists alike for day trips or long weekends.

Enbridge plays a significant role in the practicality of Michigan's tourism industry with its operation of Line 5 in the Straits. Tourism in Michigan generates approximately \$25.5 billion, and the crude oil and natural gas liquids that Line 5 transports each day are pivotal to the region and tourism.

For those that rely on propane as their heating source, more than half the State relies on Line 5, with 65% of those in the Upper Peninsula. In addition to propane for heat and cooking, Line 5 is critical to the production of fuel for vehicles and air travel. It also helps in the manufacture of 6,000 items most people use every day, including hats, sweaters, boots, strollers, bikes, and the antihistamines to combat seasonal allergies.

To help ensure the region continues to benefit from Line 5, Enbridge is planning to construct the Great Lakes Tunnel. Placed deep below the lakebed in the Straits, the Great Lakes Tunnel will encase in concrete a replacement section of Line 5, eliminating the risk of an anchor strike to the pipeline or a leak from it into the Straits. Enbridge is financing the Tunnel, which also will be able to house other utilities, such as fiber optic cables to strengthen the 9-1-1 system in northern Michigan.



> Visit us here at 214 N State Street in St. Ignace Monday - Friday from 10:00 a.m. - 2:00 p.m.

Line 5 fast facts

Line 5 was placed into service September 21, 1953.

Similar to the iconic Mackinac Bridge, Enbridge Line 5 in the Straits of Mackinac is an engineering marvel that removed from the Great Lakes oil-carrying barges and tankers that had to navigate the weather, conditions and passing vessels.

The Line 5 Straits crossing is the thickest-walled pipe in our entire North America-wide network, and is much thicker than required by the line's operation or today's regulatory requirements.



Enbridge worked with the Michigan Technological University Great Lakes Research Center to develop a sonar-equipped Autonomous Underwater Vehicle (AUV) to inspect the exterior of Line 5 in the Straits.



PIPELINE BEING LAID ACROSS THE STRAITS OF MACKINAC P5953

Pub. by the Hiawatha Card Co., P.O. Box 56, Ypsilanti, Mich.

The seemingly impossible feat of laying twin 20-inch pipelines under water across the 4-mile wide Straits was accomplished during the summer of 1953, completed Sept. 21st. Regarded as an engineering "first" because pipe sections were welded into a single unit and drawn into place (to a depth of 240 ft.) by shorebound winches.

In background is radio control tower of Lakehead Pipeline Co. where all pulling operations were centered. The Collins Const. Co.'s patented "Continuous Marine Traffic Method" permitted uninterrupted flow of marine traffic. Prime contractor was the Merritt, Chapman, Scott Co. The pipelines will carry crude oil from Northern Canadian oil fields to refineries at Sarnia, Ontario.

"Platichrome" by Gammaphone, Boston 15, Mass., U.S.A.

Place
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Color by Jack W. Hale
(C) Collins Construction Co. Photo
Victoria, Texas

In 2017, Enbridge successfully pressure tested Line 5 at the Straits to the same level as they were tested to prior to being completed in 1953.

Line 5 operates at 25% of the maximum operational pressure it has been both tested and permitted to run. A garden hose pushes water through at 40 to 80 pounds per square inch (PSI) while Line 5 operates at 150 PSI.

Petroleum and natural gas products are used in the manufacturing of more than 6,000 items, including everyday products such as toothpaste, vitamins and medical equipment.



Looking for more updates about Enbridge in Michigan?

Sign up for our electronic newsletter by sending us an email at line5info@enbridge.com and ask to sign up. Please include your name, town/city and county in your email. Thank you.