

MARINER EAST 2 NEWS & VIEWS

A pipeline of information to keep you updated on developments across the project | September 2019

Great Progress on Mariner East 2X Construction

With ME2 in service, our main focus is the safe completion of ME2X and the successful restoration of the right-of-way throughout Pennsylvania. We have included a photo to show you what successful restoration means to us.

We are pleased to report that, in Blair, Huntingdon, Juniata and Perry counties, we have successfully hydrotested 92 percent of the pipeline and have 89 percent of mainline restoration complete.

In Lebanon, Lancaster and Berks counties, we are sitting at 86 percent of mainline restoration complete. In Cumberland, York and Dauphin counties, we have successfully hydrotested 82 percent of the pipeline and have 84 percent of mainline restoration complete.

We will provide updates on our restoration activities as they progress. 




To Our Laborers, Thank You

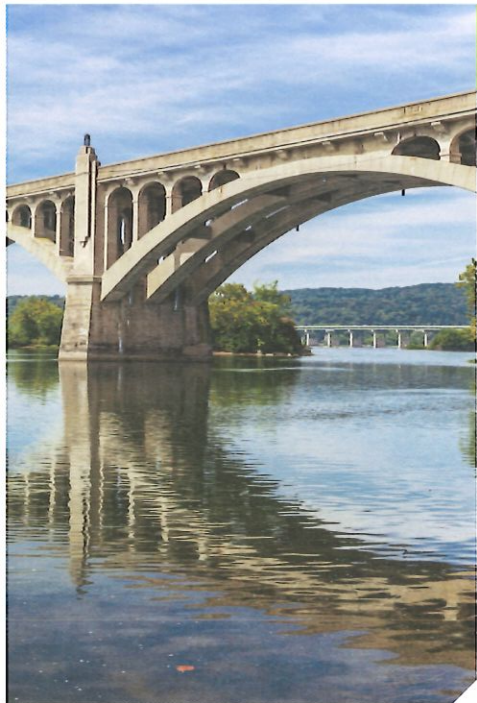
Highly skilled men and women are working hard to build and operate our Mariner East pipeline system and are helping to transform our Marcus Hook Industrial Complex. The training, skills and passion of local labor unions are tremendous and, at Energy Transfer, we truly value the relationships we have built with so many great labor partners.

Recently, Chris Petrone, legislative director of International Union of Operating Engineers (IUOE) Local 66, sat down with us to reflect on the opportunities the Mariner East 2 project has brought to the local's members.

"As a partner, Energy Transfer has put us as a priority and put our membership as a priority, and we greatly appreciate that. With the Mariner project and Energy Transfer, they're doing it right and they're doing it with local people who are really going to care about their environment."

—Chris Petrone, legislative director of IUOE Local 66

Watch to see what else Mr. Petrone had to say about our Mariner East projects at: bit.ly/2kwWpxS 



Crews Successfully Install Mariner East 2X Beneath Susquehanna River

The length of 25 football fields, or nearly six Empire State Buildings – that’s the equivalent of the recently completed Susquehanna River horizontal directional drill (HDD) that connects our Mariner East 2X pipeline in York and Dauphin counties!

Totalling 7,430 feet in length and installed deep below the river bedrock, this section of pipe is the longest horizontal directional drill on the Mariner East projects. And our crews

safely completed this challenging task twice to install the 20-inch Mariner East 2 and the 16-inch Mariner East 2X pipelines.

We use HDD to install the pipeline underneath waterways, wetlands, road crossings and congested areas. ☞

Read more about the process at: bit.ly/2mjXSYG

ASKED AND ANSWERED

Q: Does Energy Transfer conduct water testing along the Mariner East 2 pipeline route?

A: Yes. We conduct testing of water wells along the Mariner East 2 pipeline in Pennsylvania and fulfill our monitoring, testing and reporting obligations per the protocols as agreed upon with the Pennsylvania Department of Environmental Protection.

Q: Does the pipeline have early-detection and alarm warning systems in place?

A: We have long had warning and early-detection systems in place that monitor variances in pressure, temperature, flow rate and more. If a variance is detected, our sophisticated computational pipeline monitoring (CPM) system alerts trained personnel and computerized valves are closed immediately. We quickly dispatch trained personnel to the location and notify local emergency responders.

According to John Zurcher, an expert in pipeline integrity and former chairman of the Gas Research Institute who helped write many regulatory standards, public detection systems and alarms have proven not to work. He says gas detectors are unreliable for many reasons. They can be incorrectly set off by detecting methane from cows, gas from the sewer or gas produced by swamps, and diesel from idling trucks or a train going by, to name a few. The inadvertent triggering of these devices could set off false alarms everywhere all the time. False alarms could cause panic and put people in unnecessary danger before first responders can execute proper protocol.



Separately, adding odorant to transmission pipelines is not of value, as determined by the Pipeline and Hazardous Materials Safety Administration and the National Transportation Safety Board. Odorant in pipelines is sulfur-based, which can be corrosive to the internal surfaces of the pipe.

Our sophisticated early-detection systems are installed on all pipelines and monitored 24/7 by specially trained personnel. We can close valves quickly and coordinate an appropriate response with local emergency responders. Safety is of the utmost importance to us, which is why we exceed regulatory standards for pipeline safety inspections. We fly pipeline routes twice per week and spend hundreds of millions of dollars each year to maintain and improve our assets. ☞