



SUNOCO PIPELINE
An ENERGY TRANSFER Partnership

Mariner East NEWS & VIEWS

A pipeline of information to keep you updated on developments across the project footprint | JULY 2018

Mariner East 2 Construction Highlights

We are happy to report that construction of the Mariner East 20-inch pipeline is nearing completion, with **99 percent of mainline construction complete**. We understand that pipeline construction can be disruptive, and we appreciate your support and patience throughout this process. The good news is that we are in the final stages of construction of the Mariner East 2 pipeline.



An important part of pipeline construction is the additional safety testing once the pipeline is installed. These tests include **hydrotesting** — testing with water at higher-than-normal operating pressures — and inline inspection using a caliper pig. Caliper pigs are a supplemental testing tool that continuously measures the inside diameter of the pipeline through an array of spring-loaded sensing fingers. These safety tests on the 20-inch pipeline and related facilities needed for initial in-service are 79 percent complete.

Additionally, the recent completion of the Independence Truck Intake Facility in western Pennsylvania marks the end of heavy construction along the westernmost portion of the project. This facility provides additional means of intake for shippers to access the Mariner East 2 Pipeline System via truck delivery and ultimately get their products, including propane, to market. Along the 55 miles from Scio, Ohio, to Houston, Pennsylvania, restoration work continues on our right-of-way and roads. ●

HYDROSTATIC TESTING

is the process used to verify pipeline integrity using pressurized water

Important Update

Sunoco Pipeline has identified a section of an existing 12-inch pipeline in southeastern Pennsylvania that will be temporarily repurposed to deliver natural gas liquids to the Marcus Hook Industrial Complex as we continue with the construction of the Mariner East 2 system.

A portion of the 12-inch Point Breeze-to-Montello pipeline — which runs from Wallace Township, Chester County, to Middletown Township, Delaware County — will be used as an interim solution while new environmental assessments of potential construction modifications on a selected number of pending horizontal directional drills are completed.

This section of the pipeline underwent a \$30 million upgrade in 2016 as part of our ongoing Integrity Management Plan for all our pipelines, which included inline and hydrostatic testing. The result is an upgraded section of pipeline which exceeds the requirements of the Pennsylvania Public Utility Commission (PAPUC) and the Pipeline and Hazardous Materials Safety Administration (PHMSA).

All proper permits and notifications with regulatory agencies are in place. Plans to finish construction on Mariner East 2 through Chester and Delaware counties remain in place so that the line can safely be returned to refined products service and meet ongoing customer demand. ●



SAFETY FIRST

AT ENERGY TRANSFER AND SUNOCO PIPELINE, WE PLEDGE TO THE COMMUNITIES WE CROSS AND THE CUSTOMERS WE SERVE THAT WE WILL OPERATE OUR PIPELINES WITH THE HIGHEST LEVEL OF SAFETY AT ALL TIMES.

Safety is our priority — the safety of our people, the safety of our communities and the safety of the environment. We accomplish this by following a stringent Integrity Management Plan on all asset operations and by going above and beyond regulations when constructing our pipelines.

- It starts in the pipe mill, where inspectors oversee the manufacture of the pipe to strict standards. The pipe is inspected again when it arrives on the construction site.
- Before and after the pipeline is buried, and ongoing once they are in operation, we put our pipelines through rigorous testing above and beyond what is required by federal safety regulations. Then we monitor them 24/7, 365 days a year, from our central monitoring facility.
- We employ heavier pipe-wall thickness than required by the U.S. Department of Transportation. The higher quality of pipe reduces the risk of damage from sources such as excavating equipment or ground movement.
- We bury the pipeline deeper underground than required in most cases — at least 4 feet and up to 200.
- We inspect 100 percent of the pipeline's mainline girth welds by X-ray, rather than the 10 percent required.
- We patrol our Mariner East pipelines more frequently, by ground and air, than required.
- We team with local emergency responders along the route to provide information and training on emergency pipeline response. Since 2014, we have trained more than 2,000 emergency responders and public officials.
- State and federal regulators spent more than 100 inspection days during 2017 on the Mariner East project, more inspection days than on any other pipeline in Pennsylvania.

We're prioritizing our attention to safety, because that's what you deserve — safe, clean, reliable energy and a stronger economy for Pennsylvania.

There's a lot more we're doing to ensure Mariner East 2 is the safest it can be. To learn more, visit www.marinerpipelinefacts.com.

In Your Area

Sunoco Pipeline has segmented the construction of the 350-mile pipeline into seven sections from Ohio to southeastern Pennsylvania.

- **Harrison, Jefferson and Brooke counties:**

- The Independence Truck Intake Facility on Campground Road is nearly ready for commissioning, marking the end of heavy construction in this spread.
- Permitting-team members, adhering to the terms of road-use maintenance agreements, are refurbishing impacted roads in Ohio, West Virginia and Washington County.
- Environmental crews are nearing completion of the cleanup punch list.

- **Washington, Allegheny and Westmoreland counties:**

- Energy Transfer Partners will sponsor the Murrysville Concert in the Park on Aug. 11.
- The flex bore on Gombach Road in Penn Township will start soon and will continue through August.
- Crews are working to complete the final three 20-inch horizontal directional drills (HDDs) and two flex bores in these counties. Some of this work will require 24-hour operations.

- **Indiana and Cambria counties:**

- Energy Transfer Partners will sponsor the Jackson Township Community Days celebration.
- Crews are completing the four remaining 20-inch HDDs in Spread 2 — all in Cambria County.
- More than two-thirds of the hydrotesting and inline inspections on the 20-inch line have been completed to ensure the strength and integrity of the installed pipeline.
- Crews are completing the remaining pipeline tie-ins.

- **Blair, Huntingdon, Juniata and Perry counties:**

- Crews are working to complete the final four HDDs for the 20-inch pipeline. The remaining HDDs are in Toboyne, Blair and Shirley townships.

- Crews are completing hydrotesting in Frankstown, Woodbury, Penn, Shirley, Tell, Lack and Toboyne townships.
- Crews are also completing caliper tool runs in the majority of townships.
- Restoration efforts are ongoing in a majority of townships that have had the 16- and 20-inch pipelines completed.
- Crews have begun road restoration in Woodbury and Penn townships. Other road restoration is scheduled to begin over the next couple of months as crews wrap up major construction activity.

- **Cumberland, York and Dauphin counties:**

- Crews are completing the final two HDDs for the 20-inch pipeline. The HDDs are in Conewago and Middlesex townships.
- The final 20-inch bore was successfully completed, and the pipe was pulled through in Fairview Township.
- Crews are completing the five remaining pipeline tie-ins for the 20-inch pipeline.
- More than 80 percent of the hydrotesting and 50 percent of the inline inspection tool runs have been completed for the 20-inch pipeline to ensure the strength and integrity of the installed pipeline.
- Permanent restoration continues in areas where the 20-inch and 16-inch pipelines have been completed. Nearly one-quarter of the 52-mile spread has been permanently restored.
- Pipeline markers, used to identify the approximate location of the pipeline, are being installed in permanently restored areas where the 16-inch and 20-inch pipelines have been completed.

- **Lebanon, Lancaster and Berks counties:**

- Crews are completing the final two HDDs for the 20-inch pipeline.
- Environmental crews continue to work on the cleanup punch list and restore right-of-way areas where pipeline construction is complete.
- All open-cut streams are complete.
- Crews are completing the one remaining aquatic resource bore for the 20-inch pipeline.

- **Chester and Delaware counties:**

- One HDD segment in Middletown Township is preparing for the pullback of the 16-inch pipeline. This segment spanned from the work area behind Tunbridge Apartments to Riddlewood Drive.
- Open-cut pipeline installation is ongoing in Upper Uwchlan Township and Edmont Township.
- Environmental crews continue to work on temporary and permanent restoration throughout Chester and Delaware counties.
- Pipeline markers, used to identify the approximate location of the pipeline, are being installed along restored areas of the right-of-way.
- Two HDD sections in West Whiteland Township have been modified to open-cut installation and are awaiting PADEP approval. ●

