



SUNOCO PIPELINE
An ENERGY TRANSFER Partnership



Mariner East NEWS & VIEWS

A pipeline of information to keep you updated on developments across the project footprint | **NOVEMBER/DECEMBER 2018**

Mariner East 2 Update: Ready for Service

We look forward to bringing the Mariner East 2 pipeline into service by the end of the year to deliver natural gas liquids (NGLs) to the revamped Marcus Hook Industrial Complex in Delaware County, Pennsylvania. Activities along the line are currently underway that will allow the pipeline to begin service.

The Mariner East 2 pipeline, which is built to the highest standards, exceeding federal requirements in many areas, is critical to delivering American energy to consumers and transforming the Marcus Hook Industrial Complex into a world-class petrochemical hub.

Energy infrastructure remains an integral part of Pennsylvania's economic development because of its role in growing the state's oil and gas industry — encouraging capital investment and the creation of jobs. Energy Transfer is proud of the work we've done to ready the Mariner East 2 pipeline to be brought into service.

Petrochemicals, derived from the natural gas liquids that will traverse the 350-mile pipeline to Marcus Hook, are the building blocks for plastics used in everyday products including cellphones, prosthetics, hospital equipment and much more. Additionally, Mariner East 2 will include propane takeoff points for domestic distribution and will provide ethane as a backup fuel for the CPV Fairview Energy Center, a 1,050-megawatt electric generating station in Cambria County, Pennsylvania.

We are also in the midst of finishing our emergency preparedness meetings with school districts along the route. Attendees at these meetings include school personnel, state employees, county employees and municipal EMA staff/responders. ●

Report Finds 'No Great Risk' Associated with Mariner East 2

The results of the Delaware County Council-sponsored risk assessment have confirmed that the Mariner East 2 pipeline is safe and poses no great risk. The 79-page report paid for by taxpayers found that risk from common sources such as traffic accidents, house fires and falling down stairs is 20-35 times greater than a pipeline. Pipelines continue to be the safest way to transport energy. This report confirms our commitment to safely construct and operate this critical piece of energy infrastructure right here in Pennsylvania.

The independent risk assessment was conducted by G2 Integrated Solutions, a Texas-based company that provides expertise to pipeline operators, utility companies and others related to the energy industry to help manage risk, ensure compliance and optimize performance. ●





Safety: It's Our Culture

Energy Transfer is proud to have received the Zero Injury Safety Award in conjunction with Nooter Construction and the Philadelphia trade unions for work that took place at Marcus Hook as part of the Mariner project. Our work at the Marcus Hook Industrial Complex yielded more than 2 million man-hours worked with zero injuries.

Our team at Marcus Hook also recently celebrated a safety milestone of six years without an OSHA recordable injury. This recognition highlights the massive transformation Marcus Hook has undergone over the past six years from an idled refinery to a world-class NGL hub. Safety is not just a slogan here at Energy Transfer – it's our culture.

Jim Gallagher, Steamfitters Union 420 – “We're dealing with human beings. You have fathers, mothers, brothers and sisters. You have dependents relying on you to make a living and then to come home and support the family. A safe job means quality, quantity and production. It's good for everybody; it's a win-win-win.”

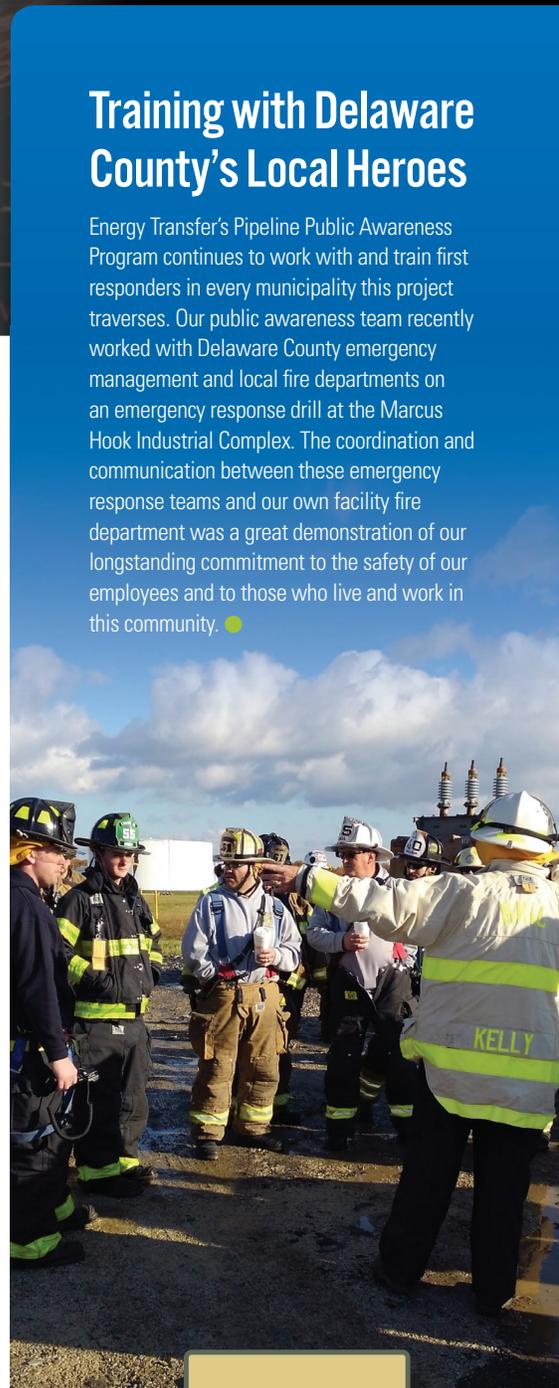
You can watch a recent video highlighting our Zero Injury Safety Award by visiting our Energy Transfer YouTube channel: <https://www.youtube.com/c/energytransferfacts> ●

Working Together with Public Agencies

In addition to the regular coordination with local municipalities, we continue to work closely with federal and state agencies as we prepare to bring the pipeline into service. A recent communication from the PA Public Utility Commission (PUC) and the Pipeline and Hazardous Materials Safety Administration highlighted Energy Transfer's integrity management programs, stating that they were satisfied with the project's safety measures.

Check out the PUC's recent letter by visiting our Mariner East website.

As we prepare the Mariner East 2 pipeline for in-service, it's evident that this project has faced unprecedented public and regulatory review. ●



Training with Delaware County's Local Heroes

Energy Transfer's Pipeline Public Awareness Program continues to work with and train first responders in every municipality this project traverses. Our public awareness team recently worked with Delaware County emergency management and local fire departments on an emergency response drill at the Marcus Hook Industrial Complex. The coordination and communication between these emergency response teams and our own facility fire department was a great demonstration of our longstanding commitment to the safety of our employees and to those who live and work in this community. ●

Ready for Winter

Many drivers aren't aware that natural gas liquids play a role at the pump each winter. Butane, one of the natural gas liquids that will be transported by Mariner East 2, is blended into gasoline to increase the Reid Vapor Pressure (RVP) of the fuel. RVP is a measure of how easily the fuel evaporates at a given temperature. The higher the RVP, the easier it evaporates. This winter-blend fuel has a higher RVP because the fuel must evaporate at low temperatures for the engine to operate properly, especially when the engine is cold. Each fall, refineries make the switch to ensure your car's engine is ready for colder weather. Affordable, abundant natural gas liquids play a part in keeping prices at the pump steady. ●

