

# MARINER EAST 2 NEWS & VIEWS

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

## Horizontal Directional Drilling – Commonly Used, Safe Construction Method

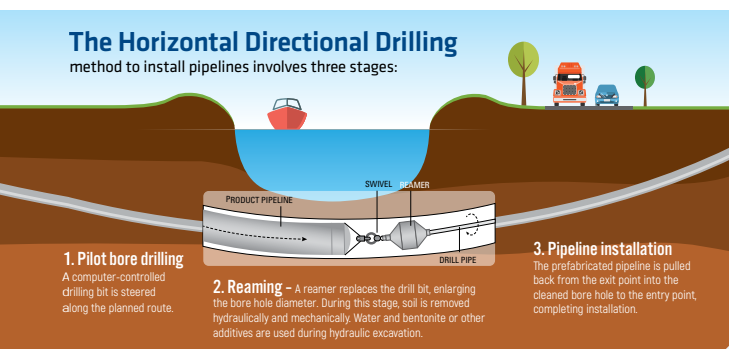
Horizontal directional drilling (HDD) is a commonly used method to install underground infrastructure, including pipelines, water and sewer lines, telecommunication and fiber optics, and electric conduits, underneath waterways, wetlands, road crossings and congested areas.

“Drill mud” is commonly used during HDD operations. The mixture consists predominantly of water that must adhere to safe drinking standards and naturally occurring clay called bentonite. The drilling mud is used during the process to keep drilling tools cool, remove


drilled material, support the drilling hole and lubricate the drill bit and the pipe during the final stages of pulling the pipe.

### The Horizontal Directional Drilling

method to install pipelines involves three stages:




drilling mud makes its way to the surface, we adhere to our HDD response plan, working closely with the appropriate regulatory agency to complete remediation.

Watch a [video](#) here detailing how the HDD process works. 



## Mariner East 2X Construction Update

We have completed all heavy construction of the Mariner East 2X pipeline in 34 of the 85 Pennsylvania municipalities through which we cross. The only remaining work in these completed areas is cleanup, right-of-way restoration and road restoration.

Overall, mainline construction of the 16-inch pipeline is 99 percent complete, with the majority of work remaining being horizontal directional drills (HDD) and work to connect the mainline pipeline to the completed HDDs. 





## Supporting Special Olympics


### Energy Transfer to Serve as Premier Special Olympics PA Guardians of the Flame Torch Run Partner

Special Olympics Pennsylvania (SOPA) recently announced a three-year partnership that will recognize Energy Transfer as its Law Enforcement Torch Run (LETR) Guardians of the Flame Premier Sponsor, the largest public awareness vehicle and grassroots fundraiser for Special Olympics. We are proud to be a part of SOPA's mission to broaden the opportunities for people with intellectual disabilities.

Our \$450,000 partnership will support SOPA's "Inclusion Revolution," an initiative

to engage, empower and transform communities to ensure full inclusion of people with intellectual disabilities.

"As Pennsylvania's Special Olympics programs continue to grow, more funding is needed to support the athletes and their families because there is no cost to participate," said Matthew Aaron, SOPA president and CEO. "Our partnership with Energy Transfer will not only assist our efforts from a financial perspective but also fuel our movement through the time, energy and enthusiasm of Energy Transfer employee volunteers."

Read more about our partnership with SOPA [here](#). 

## Play Ball!

**We continue to support America's favorite pastime for hundreds of boys and girls in communities across Pennsylvania through a total of \$150,000 in donations to Little League organizations as part of our Mariner East pipeline system outreach efforts.**

Recently, our team presented \$5,000 donation checks to support field improvements, equipment upgrades and other great initiatives for Great Valley Little League in Chester County, the Hershey Little League Baseball and Softball Association in Dauphin County and the Lilly Area Baseball Association in Cambria County.

Read more [here](#). 

## Above and Beyond – Exceeding Regulatory Requirements

Pipeline safety is our top priority as we operate our Mariner East pipeline system and continue construction of the ME2X pipeline. Throughout construction, we have gone above and beyond the requirements set by regulatory bodies at the federal and state levels. For example:

Requirements for pipeline integrity testing call for nondestructive testing by radiographic or ultrasonic methods for 10 percent of the welds made by each welder each day. We inspected 100 percent of the welds for ME2 and are inspecting 100 percent of the welds for ME2X, providing a higher level of integrity and strength of the welds.

Additionally, we go above and beyond the regulatory requirements for minimum cover of our pipelines in all areas, including rural, industrial, commercial and residential, inland waterbodies and horizontal directional drills. The additional coverage enhances protection from third-party damage and from other outside forces such as flooding, scouring and washouts.

We are committed to the long-term integrity and safe operation of the Mariner East pipeline system. Stay tuned for additional updates on ways we have gone above and beyond regulatory requirements in future newsletters.

You can read more [here](#). 

