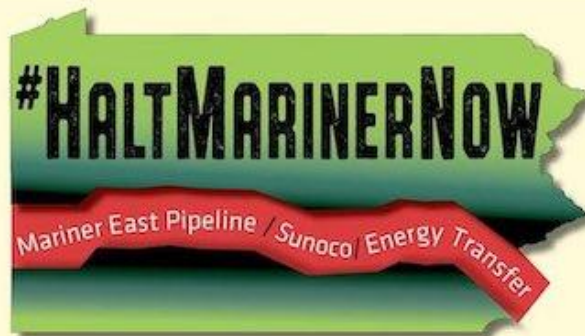


Why #HaltMarinerNow?



Webinar, August
28th 7:00PM

Learn more about the statewide
coalition of residents to stop
Mariner East Pipeline in PA

halttheharm.net/events

haltmarinernow.org

Some Logistics:

- Use the chat to engage in real time
- You can ask questions at any time
- Any problems? Contact me, ryan@halttheharm.net
- Today's discussion will be recorded

Welcome to the webinar!



Ryan Clover

*Halt the Harm Network
Operations Team*



Gillian Graber

*Executive Director
Protect PT*

Background

A coalition of groups including Protect PT, Del-Chesco United for Pipeline Safety, Middletown Coalition for Community Safety, Clean Air Council, and Mountain Watershed Association are hosting a webinar for leaders to discuss the #HaltMarinerNow campaign. The campaign aims to engage and educate the public in a campaign to increase pressure and demand that Governor Tom Wolf and the Public Utility Commission (PUC) halt the Mariner East pipeline project.

The operation of Sunoco's Mariner East 1 and construction of Mariner East 2 and 2X pipelines have been plaguing residents across Pennsylvania for years. The construction of these pipelines has resulted in the destruction of private and public property and the environment, while the operation of Mariner East 1 and the "workaround" pipeline are already putting public safety at risk. Despite notices of violation, fines, and injunctions, Sunoco Logistics continues to negatively impact the lives of Pennsylvanians, their safety, property rights, and the environment.

Yet this pipeline has even more far-reaching impacts. The Mariner East pipelines connect fracking operations in Western Pennsylvania with refineries in Eastern Pennsylvania in a "frack to plastic" scheme. Stopping the Mariner East pipelines is about fighting back against the oil and gas industry that is threatening the safety and wellbeing of Pennsylvanians and the planet.

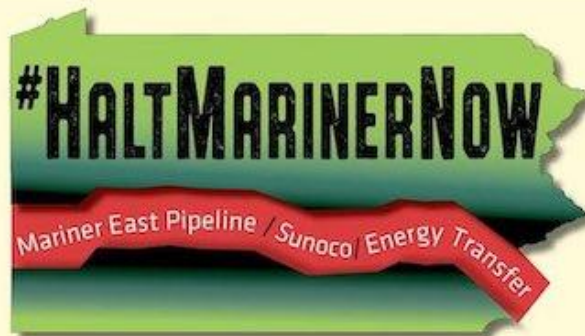
In Today's Presentation...

- Learn how groups from across the state are joining together to increase pressure on Governor Wolf to HALT the Mariner East pipelines.
- Learn how you and your community can get involved.
- Preview of upcoming webinars on risks to public safety and the environment
- Learn why now is the time to #HaltMarinerNow!

Agenda:

1. Introductions
2. Presentation 1: Mariner East Safety Risks
3. Presentation 2: Mariner East Risks to Water
4. Q&A

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Our Presenters



Gillian Graber
Executive Director
Protect PT

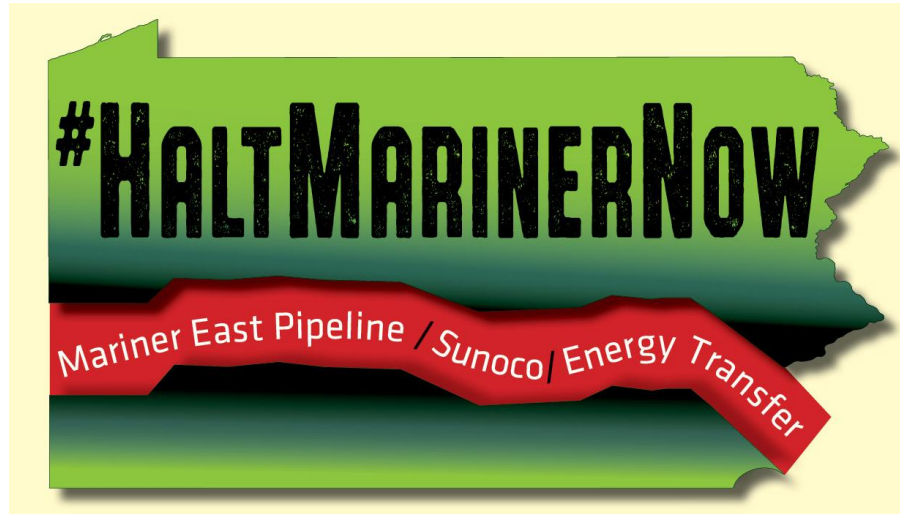


George Alexander
Leadership Team for
Del-Chesco United for
Pipeline Safety
Blog: Dragonpipe Diary
(www.dragonpipedairy.com)



Eve Miari
Advocacy Coordinator
Clean Air Council
www.cleanair.org

Presentation



Why #HaltMarinerNow?

Learn more about the statewide coalition of residents working to #HaltMarinerNow and how you and your community can get involved

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MCCS MIDDLETOWN COALITION
OF COMMUNITY SAFETY

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Who is involved:



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Campaign Goals



Educate residents across the entire state about the Mariner East pipelines and how they threaten public safety & the environment.

Activate residents in all 17 counties to organize with neighbors and to advocate to their local township, school board, county, and state elected officials

Advocate for leaders at all levels to join the statewide call to #HALTMARINERNOW, and increase pressure on Governor Wolf from all regions of the state.

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Campaign Building Tools



Website: www.haltmarinernow.org to share information, resources, latest news, and calls to action

Webinars: one per month to educate residents and community leaders across the state on the many facets of the Mariner East pipeline and campaign to #HaltMarinerNow

Mailers: to reach residents along the pipeline and direct them to the website and webinars

Social Media: to bring more people into the campaign

Presentations: in the future we hope to host in person presentations and meetings across the state

Yard Signs: with a unifying message, available for residents across the state to display in high traffic areas



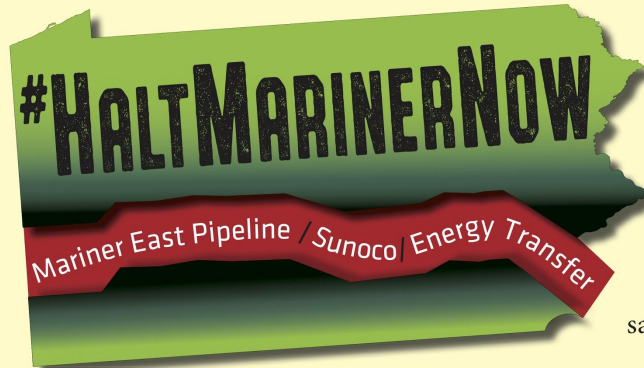
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The main event:

**YOU ARE INVITED
TO JOIN IN LEARNING ABOUT**



A statewide movement
calling on
Governor Wolf to

**HALT OPERATION
AND
CONSTRUCTION**

of all Mariner Pipelines until
safety risks are properly mitigated.

Webinar: Are You in the Blast Zone?

(What You Need to Know about Mariner East Safety Risks)

September 25, 2019 • 7-8 pm

Free of charge. Watch and participate online.

Can't make that date? Recording will be available to watch online after September 25.

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Webinar 2: Are you in the blast zone? What you need to know about Mariner East Safety Risks

- Nuts and bolts of Mariner East
- Safety Concerns: why this is Pennsylvania's most dangerous pipeline
- Risk Assessments & what they show
- Cases before the PUC: do we have the pipeline regulations we need?
- What you can do to protect your family and community

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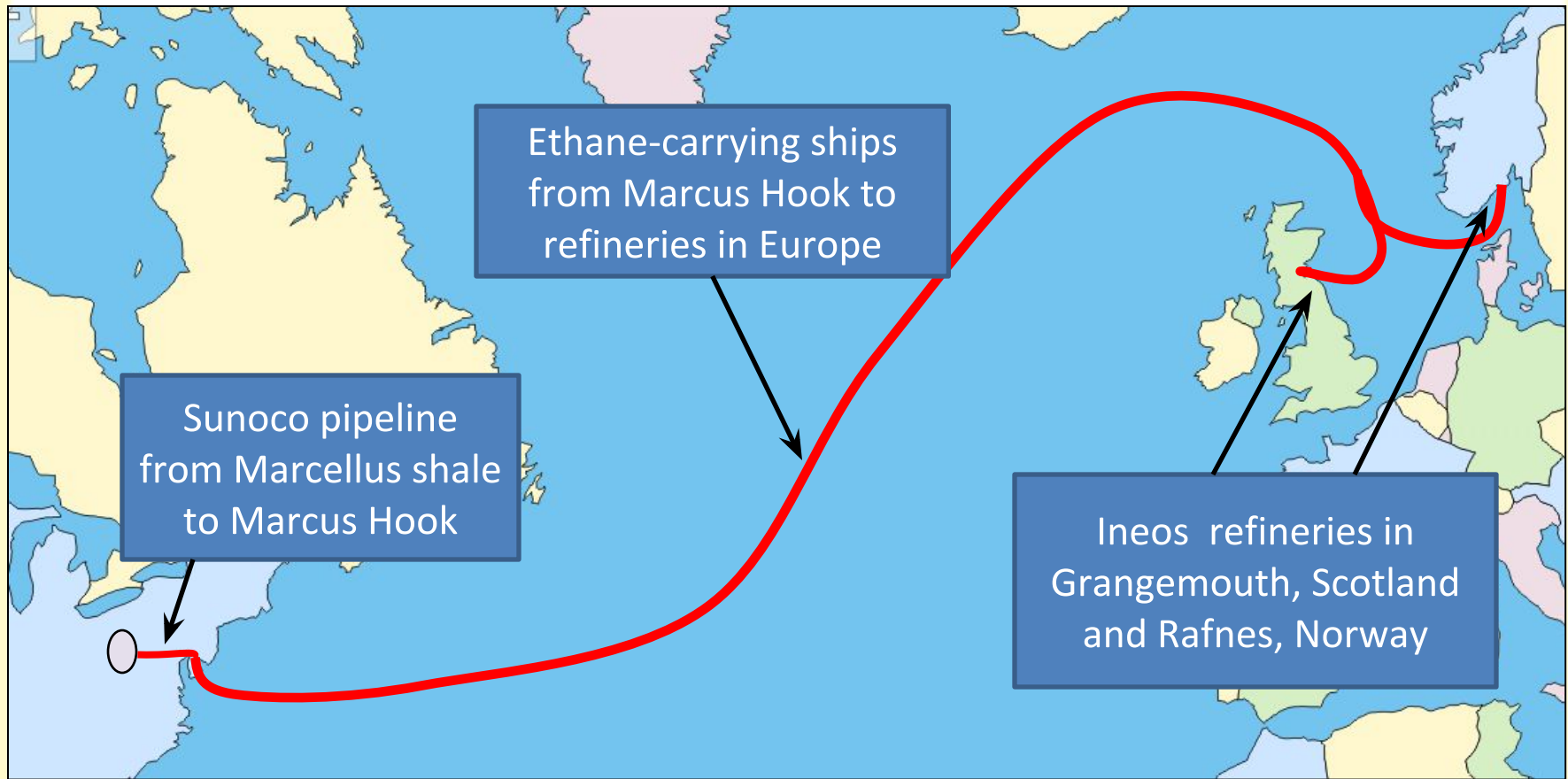
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Mariner East Puts Lives at Risk



- Fracking byproducts: ethane, butane, and propane
 - Must be kept liquid under very high pressure for transportation
 - Highly explosive gases if they leak
 - Heavier than air
 - Transparent and odorless
 - Much larger blast radius than methane
- No regulation of the pipeline route and siting
- No credible plan for warning or evacuation
- The purpose: manufacturing plastic in Europe

The grand plan: Marcellus wells to European plastic



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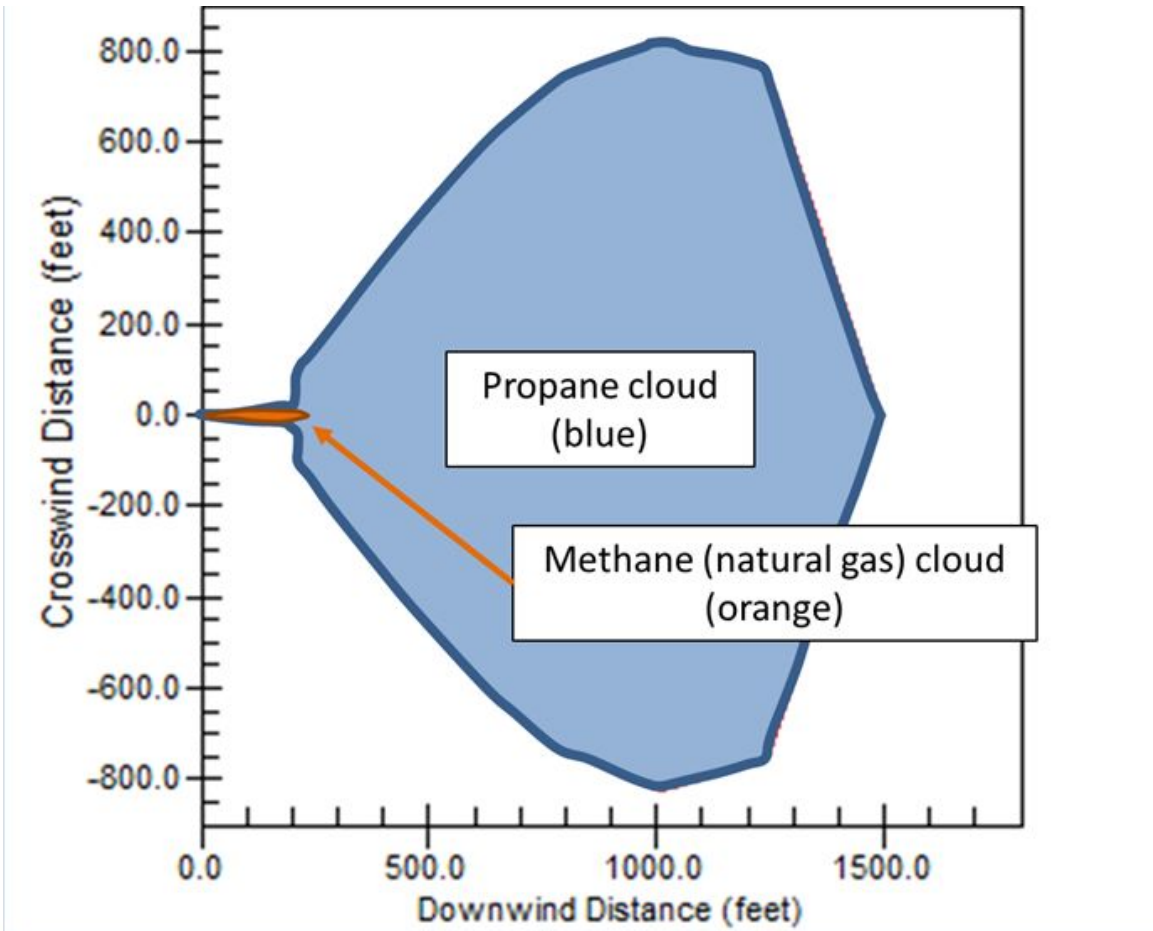
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Far more dangerous than natural gas

Size of worst-case flammable cloud with rupture of 12-inch pipe:
Natural gas vs. propane (identical conditions)



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No credible plan for warning or evacuation.

- Sunoco has no reliable means to detect a leak.
- If a leak is discovered, first responders will establish a perimeter, which they are trained NOT to enter.
- Assuming they get a warning in time, those within the blast zone must self-evacuate on foot (if able) while avoiding ignition sources.
- Those within blast zone may suffer burns, blunt force trauma, asphyxiation, or death.
- *LEARN MORE ON SEPTEMBER 25TH*

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Isn't it risky? You bet it's risky.

Brenham, TX: 3 killed, 21 injured
in a sparsely-settled rural area.
This was ethane.

San Bruno, CA: 8 killed, dozens
injured in a suburban area. This
was natural gas.



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Isn't it risky? You bet it's risky.

Salem Township, the morning of April 29, 2016 a 30-inch natural gas pipeline exploded sending a huge fireball hundreds of feet into the sky and severely injuring a nearby resident.

Photos courtesy of The Trib & Action 4 News



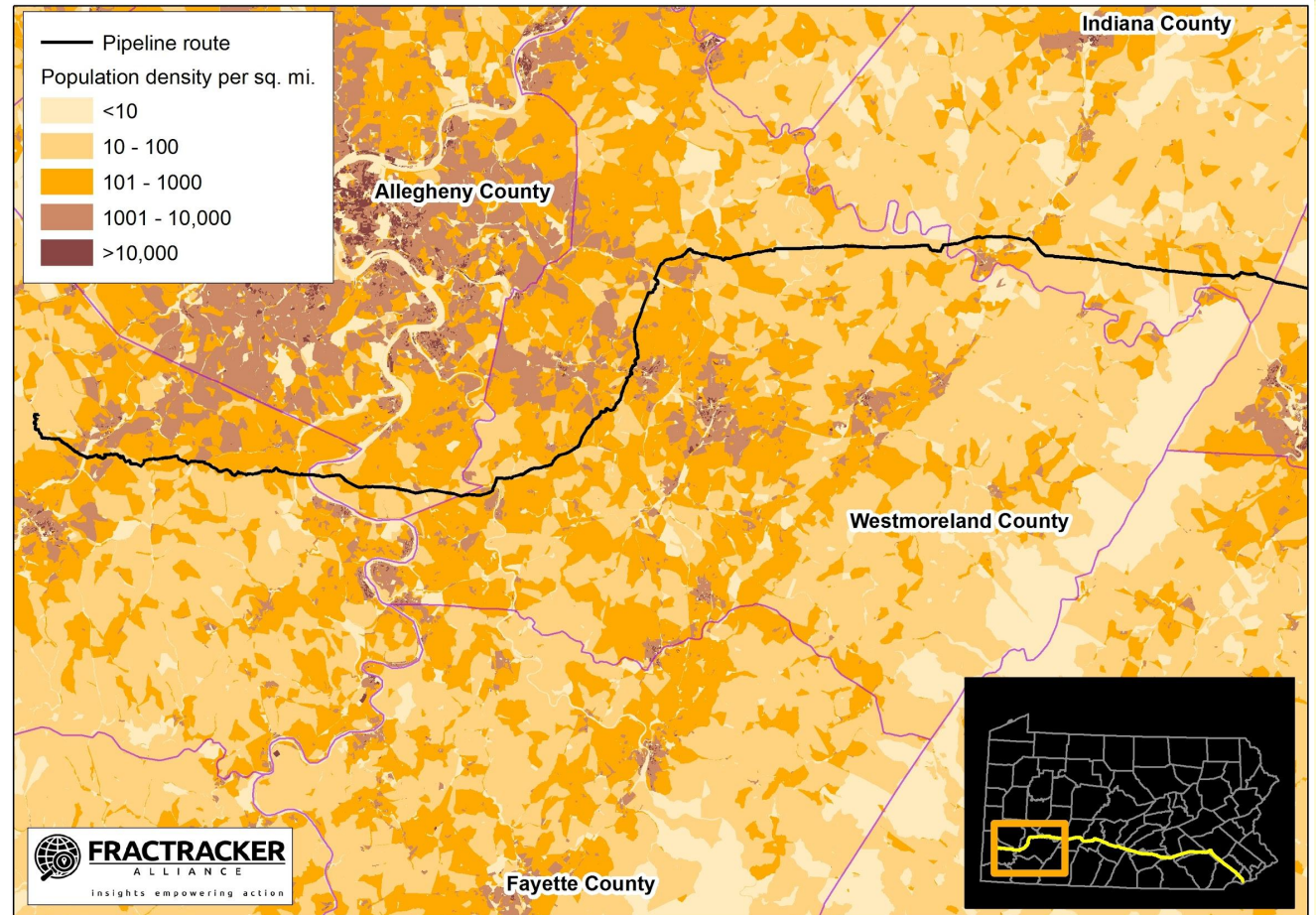
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Could the route be worse?



All across the state, the route threatens both rural and populated areas.



Population Density along Mariner East 2 Pipeline, Based on Census Block 1 of 4, West to East



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Huntington County Homeowners: The problem of no regulation of siting



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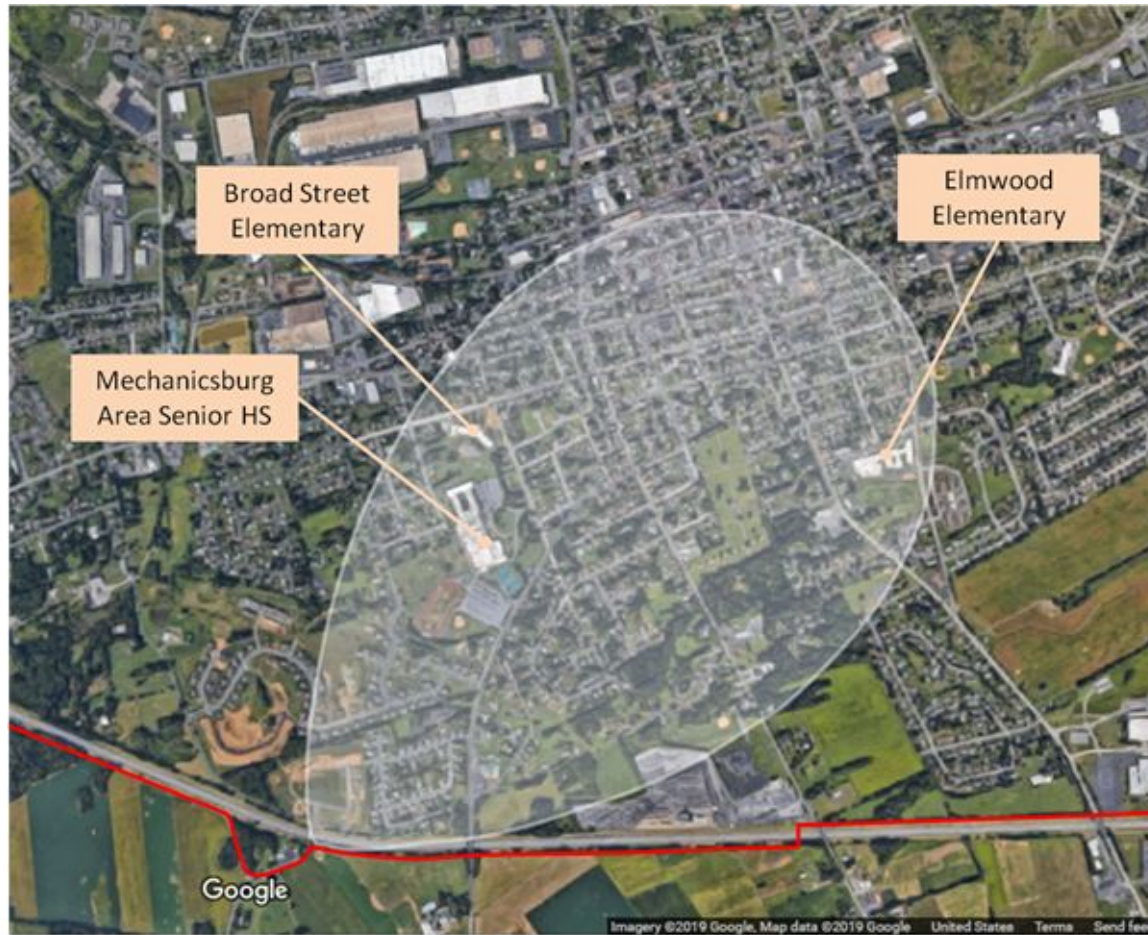
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Much of Mechanicsburg is in the blast zone, including most of the schools



Case study: Kaohsiung, Taiwan

July 31, 2014

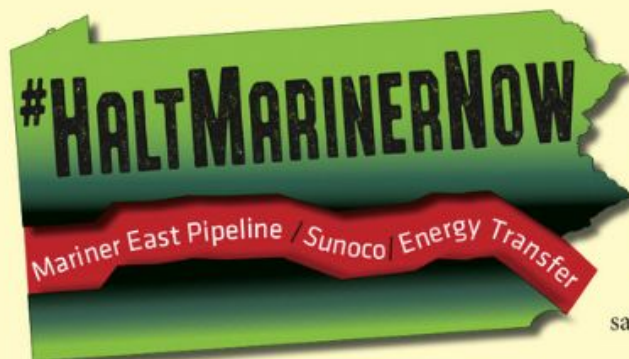


Webinar 3: Drilling and Spilling

How Mariner East impacts wetlands, waterways, and drinking water.



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A statewide movement
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of all Mariner Pipelines until
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Webinar: Drilling and Spilling

How Mariner East impacts wetlands, waterways
and drinking water

October 16, 2019 • 7-8 pm

Free of charge. Watch and participate online.

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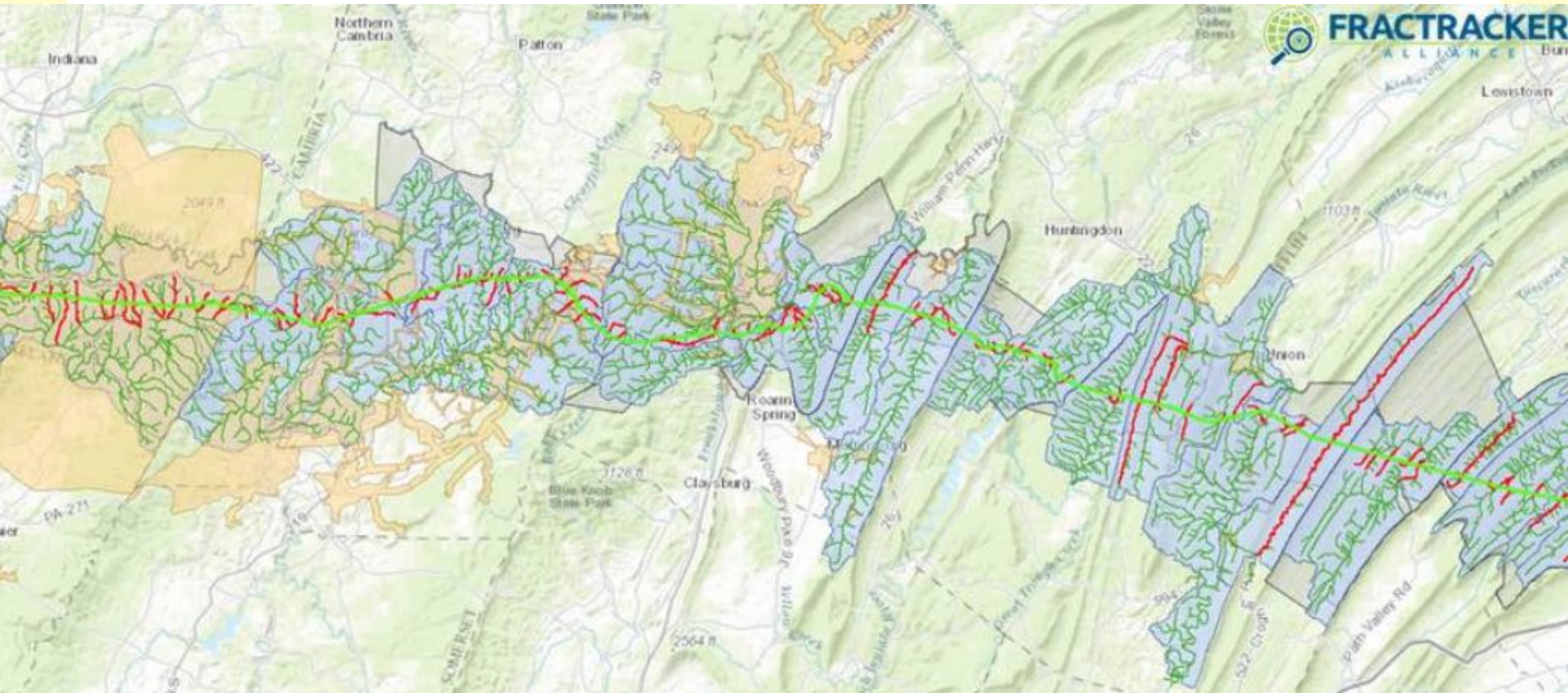


Webinar 3: Drilling & Spilling How Mariner East impacts wetlands, waterways, and drinking water.

- How pipelines can impact watersheds
- History of Mariner East spills, drinking water contamination, sinkholes, and damage to wetlands and streams
- History of DEP permitting issues, legal action against Sunoco and DEP and subsequent settlement agreements
- Where we are now: halted drill sites, re-evaluations, and permit bar
- What residents can do!



Mariner East Watershed Risks



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How Many Waterways?



- 1,227 stream crossing
 - 19 EV
 - 318 HQ
 - Total 337 “special protection”
- 570 wetland crossings
 - 129 EV
- 11 pond crossings
- Additional waterways not listed in original application



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What could go wrong?

Potential Pipelines Impacts to Watersheds

- Erosion and stormwater runoff issues
 - Clearing of vegetation loosens soil and mobilizes contaminants
- Contamination of waterways and wetlands via HDD spills, open-cut crossings, runoff, etc.
- Drinking water contamination
- Impacts to wildlife
 - Fish
 - Endangered species



Drilling & Spilling: A retrospective

- February 2017 deficient permits granted
- May 2017 first reported “frackouts”
- June- July 2017 first reports of water contamination, damaged/ destroyed wells
- November 2017 first reported sinkhole
- 245 *reported* spills of drilling fluid across the commonwealth
- Over 90 notices of Violation from DEP
- At least 16 wells permanently destroyed
- At least 1 public aquifer punctured



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#HALTMARINERNOW

Mariner East Pipeline / Sunoco Energy Transfer



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Legal Actions Taken

- Permit Appeal
- Supersedeas
- Settlement Agreement
- HDD Re-Evaluations
- Many cases of private litigation
- DA and AG investigations



Permit Bar and HDD Re-evaluations: Why some sites are currently halted



- HDD Reevaluations
 - Many drill sites across the site are paused for re-evaluation as part of the Clean Air Council settlement agreement
- These sites cannot be granted new permits due to the current **Permit Bar**

What Residents Can Do



- Participate in HDD Reevaluation commenting periods
- Reach out to your neighbors, township, county, and state elected officials and ask them to comment as well
- Learn how to watchdog sites when construction restarts
- Learn how to recognize and report issues to the correct parties.
- Work with townships on the local level to increase stream protections with local ordinances
- Continue to advocate to #HaltMarinerNow.



Pure water is a Constitutional right. ERA: Article 1 Section 27



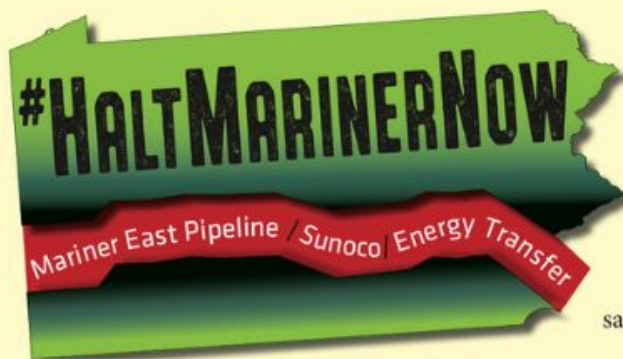
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Learn More Wednesday October 16th!

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How You Can Help:

Share:

Website www.haltmarinernow.org

Online Tools for those currently being impacted

Webinar info to educate residents and community leaders

Social Media posts and tweets, Thunder Clap **September 26th @ 5pm**

Newsletter

Use our Media Tool Kit:

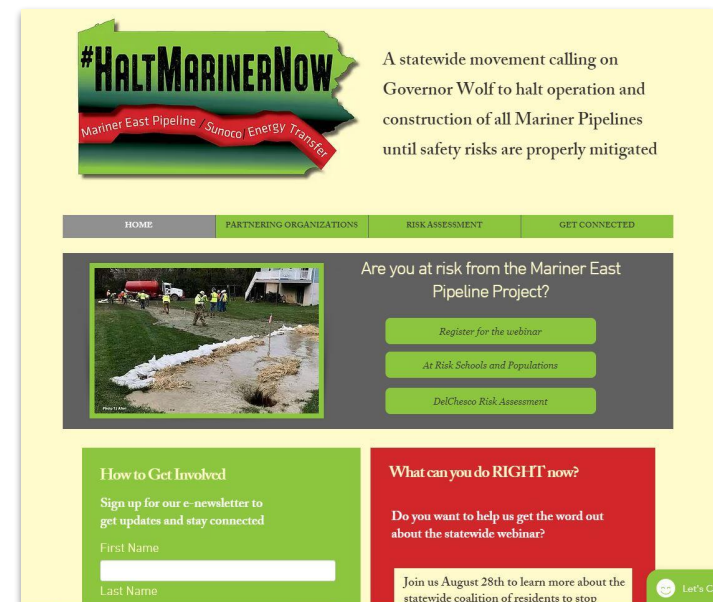
Get Materials:

Yard Signs

Flyers

Postcards

Graphics



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Contacts & Q&A

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Thank you!!!

- Remember: A BRIEF feedback survey is coming
- Have suggestions for future trainings?
ryan@halttheharm.net
- Other Links
 -