



Credible.  
Independent.  
In the public interest.

# PHMSA LNG R&D Public Meeting & Forum

The Public's Perspective  
November 15, 2022

# Pipeline Safety Trust History



Guys -  
I'm fishing. Will  
be back before dark.  
Homework is done.  
  
Liam



**Pipeline  
Safety**  
  
TRUST

# Pipeline Safety Trust Mission

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The Pipeline Safety Trust promotes pipeline safety through education and advocacy, increased access to information, and partnerships with residents, safety advocates, government, and industry, resulting in safer communities and a healthier environment.

**Pipeline  
Safety**



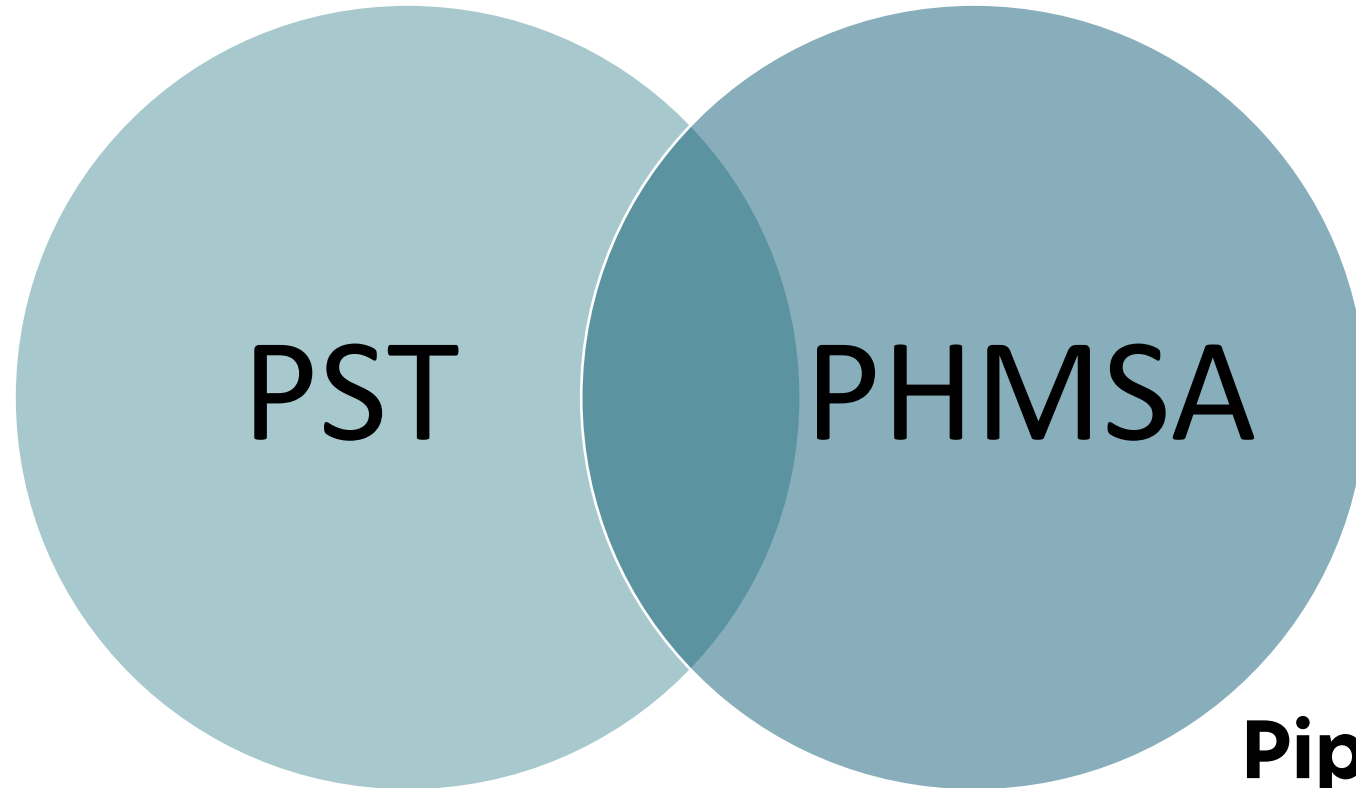
T R U S T

# Pipeline Safety Trust and PHMSA

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## Shared Goals:

- Safer pipelines!
- Zero incidents!



# PST and LNG

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- Has not had capacity to engage in the past
- Recognizes severe safety risks given LNG's energy density
- Recognizes LNG's contributions to GHG emissions



**Pipeline  
Safety**

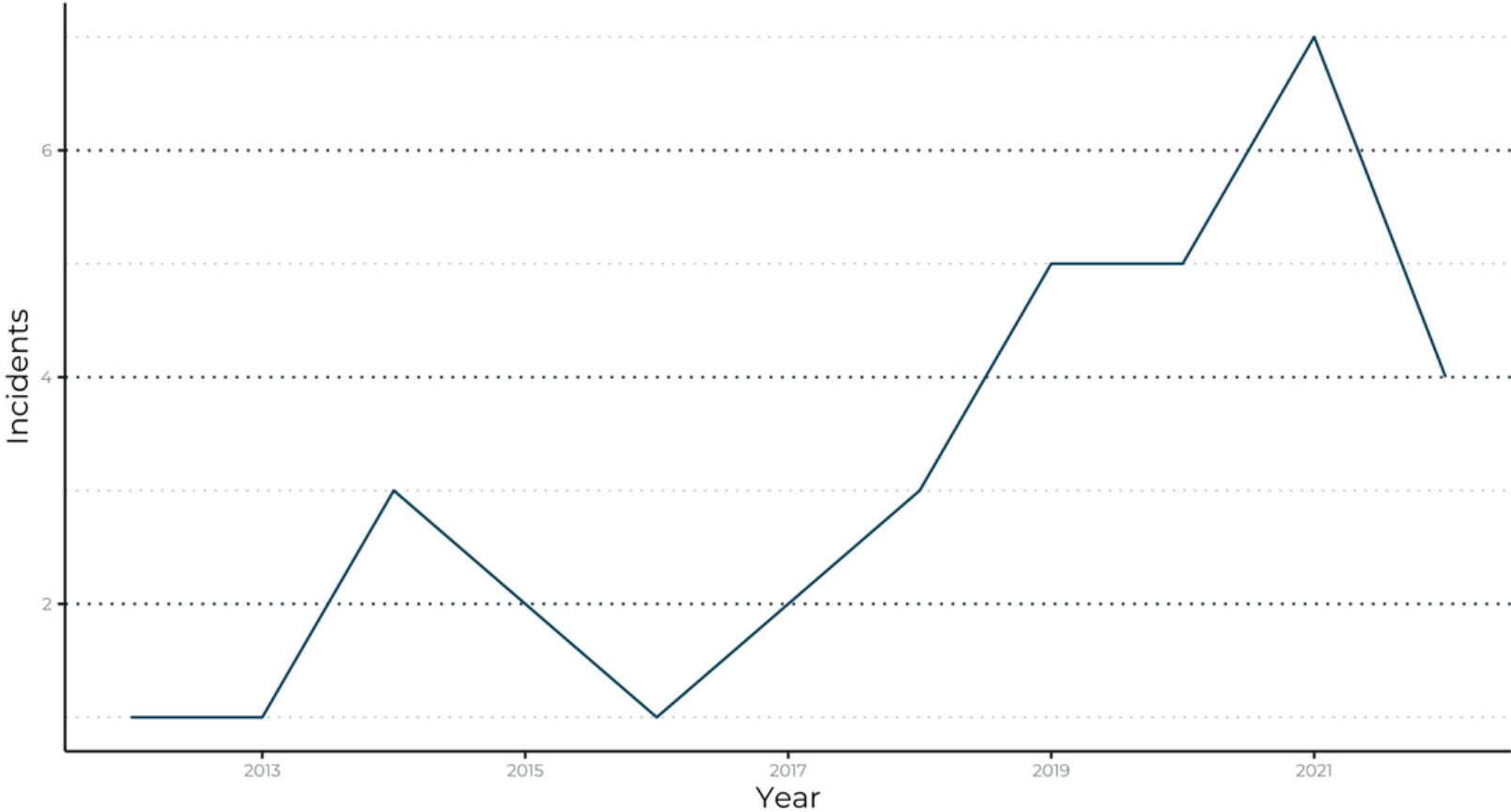
TRUST

# Zero Incidents?

## Liquefied Natural Gas Incidents

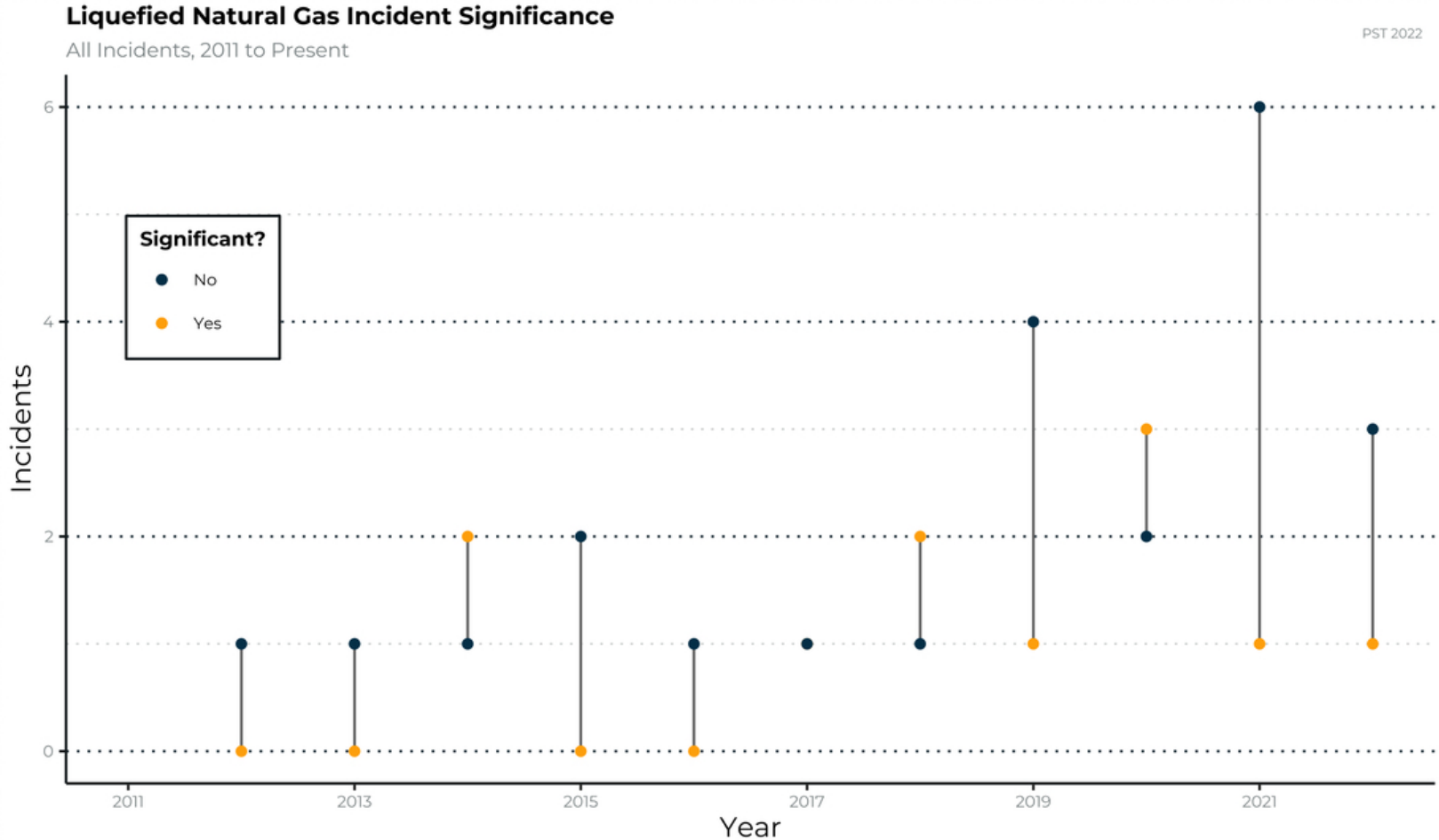
All Incidents, 2011 to Present

PST 2022



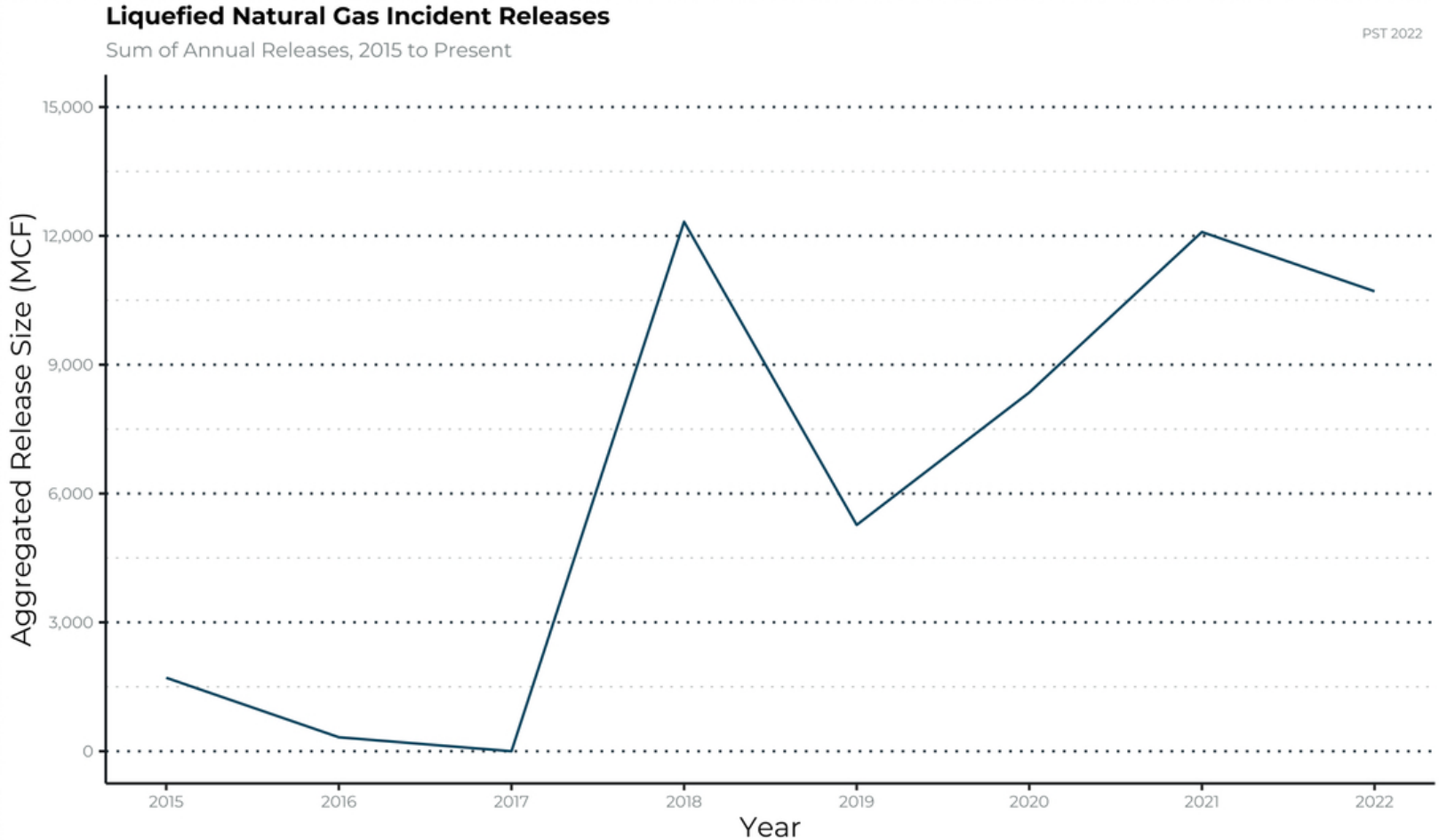
Source: PHMSA Flagged Files (LNG 2011 to Present)

# Zero Incidents?



Source: PHMSA Flagged Files (LNG 2011 to Present)

# Zero Incidents?

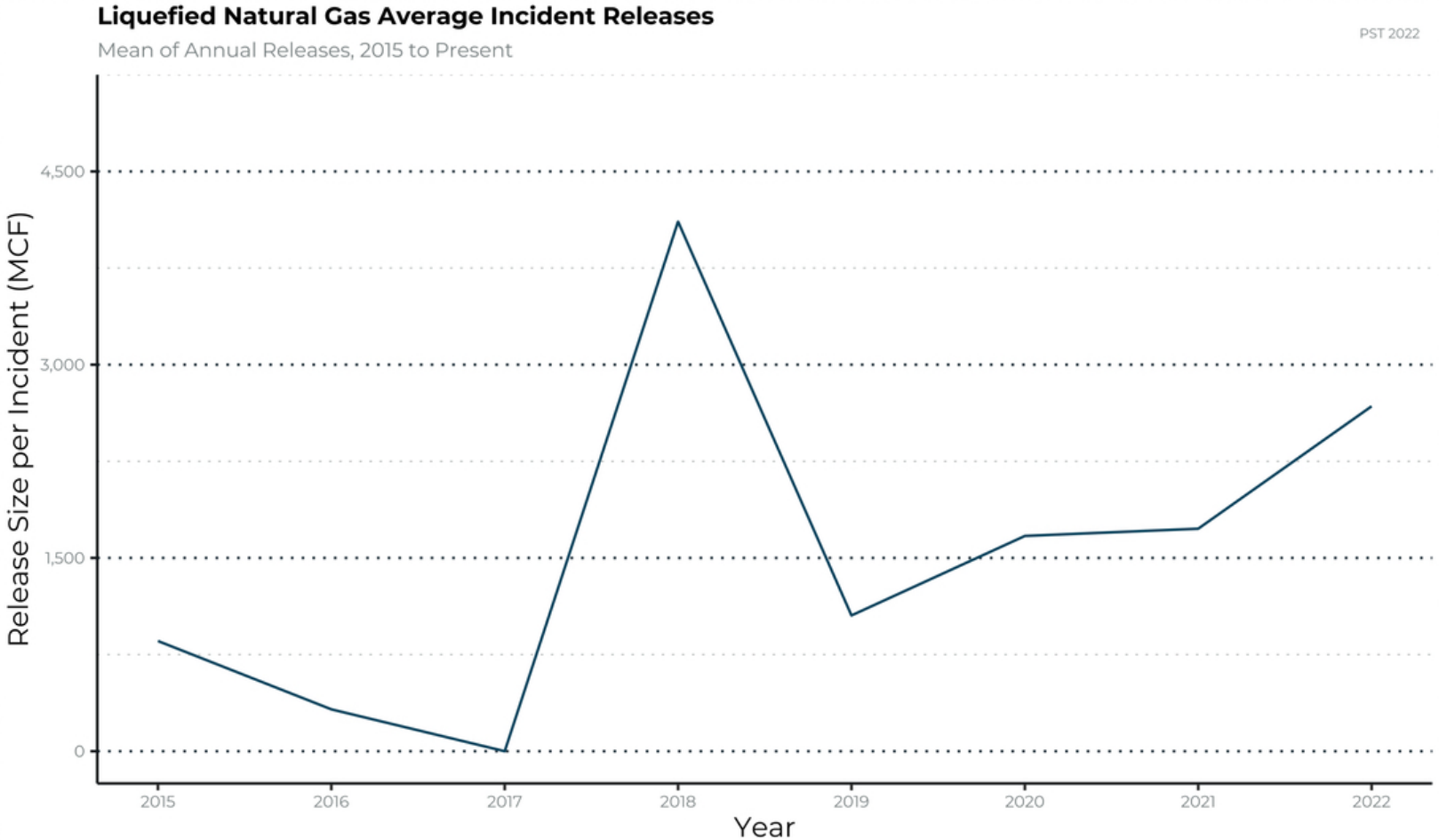


Source: PHMSA Flagged Files (LNG 2011 to Present)





# Zero Incidents?



Source: PHMSA Flagged Files (LNG 2011 to Present)

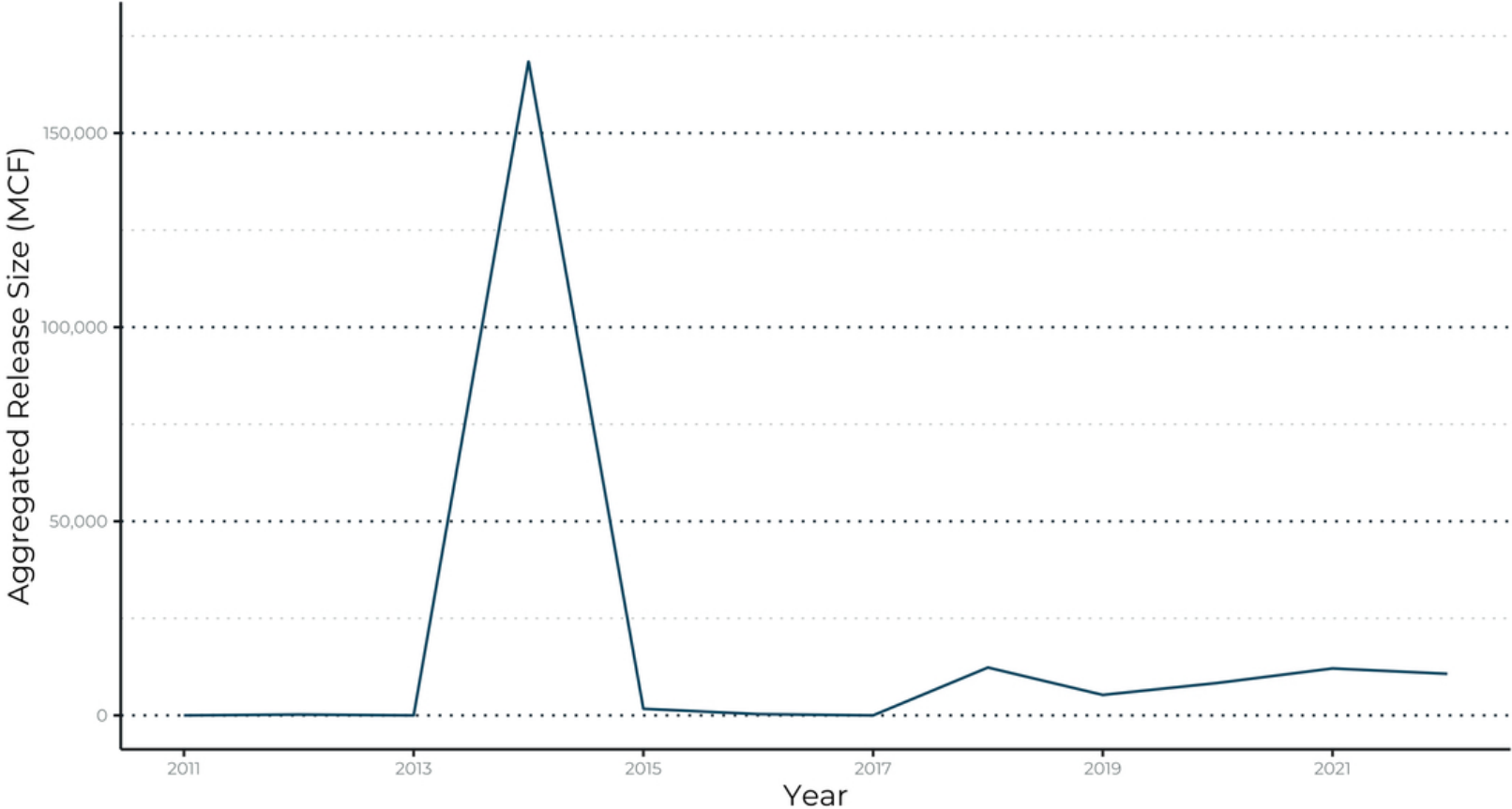


# Zero Incidents?

## Liquefied Natural Gas Incident Releases

Sum of Annual Releases, 2011 to Present

PST 2022



Source: PHMSA Flagged Files (LNG 2011 to Present)



# PST and LNG

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- Due to recent transition to export terminals:
  - 49 CFR 193 is section most in need of updating
  - Knowledge gaps need attention



# PST and LNG

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- Knowledge Gaps:
  - FLACS Model's fitness for determining explosion overpressure
  - Modelling to determine exclusion zones
  - Social Science around risk communication



# Thank you!

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Pipeline Safety Trust

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**Pipeline  
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