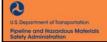


Agenda – Discussion Topics

- 1. Nine Elements for an Effective Damage Prevention Program
- 2. PHMSA's Excavation Enforcement Adequacy Reviews
- 3. National Trends
- 4. Iowa's Trends
- 5. The Nexus Between State One-Call Laws and Pipeline Safety Regulations
- 6. Opportunities



10 100

PIPES Act of 2006 – 109^{th} Congress 49 U.S. Code § 60134(b) = Establishes the Nine Elements for an Effective Damage Prevention Program

Processes for:

- 1. Enhanced **communication** between operators and excavators
- 2. Fostering support and partnership of all stakeholders
- 3. Operator's use of performance measures for locators
- 4. Partnership in employee training
- 5. Partnership in public education
- 6. Enforcement agencies' role to help resolve issues
- 7. Fair and consistent enforcement of the law
- 8. Use of **technology** to improve the locating process
- 9. **Data** analysis to continually improve program effectiveness





Adequacy Review - The Law

Background

49 USC § 60114 provides the United States Department of Transportation [PHMSA] with back stop authority to conduct administrative civil enforcement proceedings against excavators who damage hazardous liquid and natural gas pipelines in a state that has failed to adequately enforce its excavation damage prevention or one-call laws.



To Protect People and the Environment From the Risks of Hazardous Materials Transportation



The Final Rule

49 CFR Parts 196 and 198

On July 23, 2015, PHMSA published a Final Rule that established:

- 1. Criteria to determine adequacy of State one-call enforcement
- 2. PHMSA's process to determine adequacy
- 3. PHMSA's enforcement in states deemed inadequate
- 4. Adjudication process when enforcement is taken against excavators
 - Final Rule July 13, 2015
 - Effective January 1, 2016
 - Requires annual evaluation



To Protect People and the Environment From the Risks of Hazardous Materials Transportation

Evaluating the State

Seven Basic Questions - 49 CFR § 198.55

- 1. Does the State have an excavation damage prevention law? (Pass/Fail)
- 2. Is there someone designated to enforce? (Pass/Fail)
- 3. Is the State enforcing? (Pass/Fail)
- 4. Is there a reliable mechanism to learn about violations? (Scored)
- 5. Can the State sufficiently investigate excavation damages, and apply enforcement **equitably**? (Scored)
- 6. Does the law prescribe minimum damage prevention requirements (use of 811, safe excavation practices, notification of damages to operator, and **911** if release) (scored)
- 7. Does the State appropriately understand, and address, **exemptions** and/or **exclusions** from the one-call law. (scored)



To Protect People and the Environment From the Risks of Hazardous Materials Transportation



Criterion 3

Question #3: Is the State Enforcing its One-Call Law?

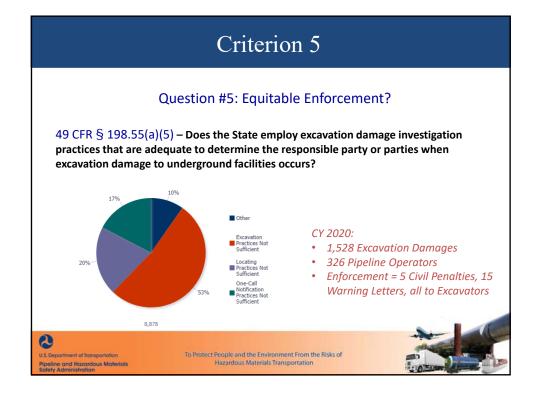
49 CFR \S 198.55(a)(3) – (a) Is the State assessing <u>civil penalties</u> and other <u>appropriate sanctions</u> for violations (b) <u>at levels sufficient to deter noncompliance</u> and (c) is the State making publicly available information that demonstrates the effectiveness of the State's enforcement program?

Question: How does (how should) PHMSA look at:

- other appropriate sanctions ...
- levels sufficient ...



To Protect People and the Environment From the Risks of Hazardous Materials Transportation



Criterion 7

Question #7: Exemptions/Exclusions?

49 CFR \S 198.55(a)(7) – Does the State limit exemptions for excavators from its excavation damage prevention law? A State must provide to PHMSA a written justification for any exemptions for excavators from State excavation damage prevention requirements. PHMSA will make the written justifications available to the public.

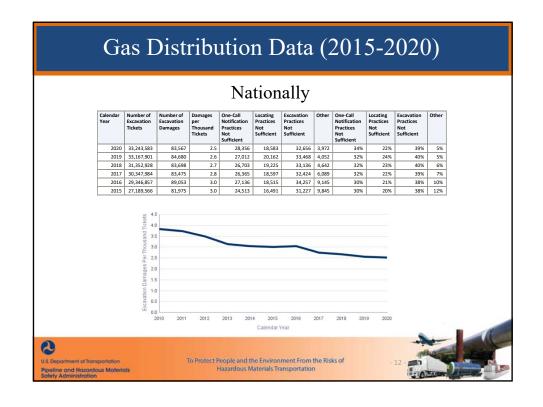
Example – Not Iowa CY 2020: 9,444 Gas Incidents, 1,554 Not at Jurisdictional Depth

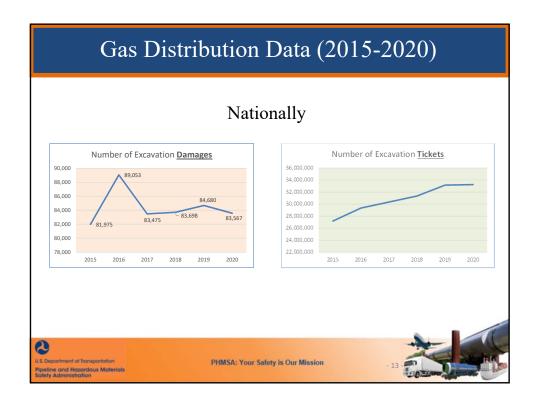


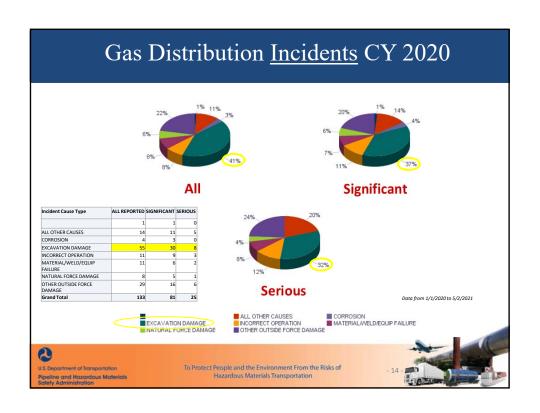
To Protect People and the Environment From the Risks of Hazardous Materials Transportation

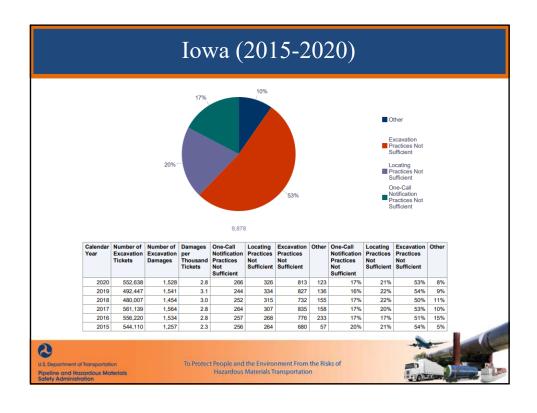








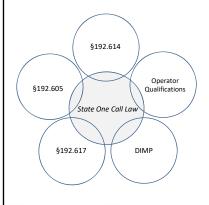




Iowa (2015-2020)				
	Calendar Year	Number of Excavation Tickets	Number of Excavation Damages	Damages per Thousand Tickets
	2020	552,638	1,528	2.8
	2019	492,447	1,541	3.1
	2018	480,007	1,454	3.0
	2017	561,139	1,564	2.8
	2016	556,220	1,534	2.8
	2015	544,110	1,257	2.3
U.S. Department of Transportation Pippeline and Hazardous Materi		otect People and the Environm Hazardous Materials Tran		4

The Nexus

Excavation Damages are not simply the result of a violations of a state's onecall law --- they often involve a pipeline safety regulation



- Mapping
- · Habitual Offenders
- · Miss marks or no shows
- · Shallow pipe
- Difficult locates tracer wire
- Abandoned pipe
- · Public Awareness
- Field meets or standby's



To Protect People and the Environment From the Risks of Hazardous Materials Transportation



Final Thoughts – Homework Assignment

If there was an imminent public safety threat because an uncooperative excavator was digging on top of a pipeline in disregard of the one-call law, how would the operator stop that work? Who in their service territory has immediate stop work authority and what does that process look like?



Total State of the State of the

To Protect People and the Environment From the Risks of Hazardous Materials Transportation