

Excavation Damage Prevention:

"The Benefits of Effective Enforcement"

David Appelbaum, PHMSA State Programs Virtual ND/SD Pipeline Safety Operator Conference October 21, 2020



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Agenda – Discussion Topics

- 1. The Role of Enforcement in Damage Prevention
- 2. PHMSA's expectations regarding enforcement of One-Call laws
 - Adequacy Evaluations
- 3. ND/SD Damage Data, Trends and comparisons
- 4. Opportunities

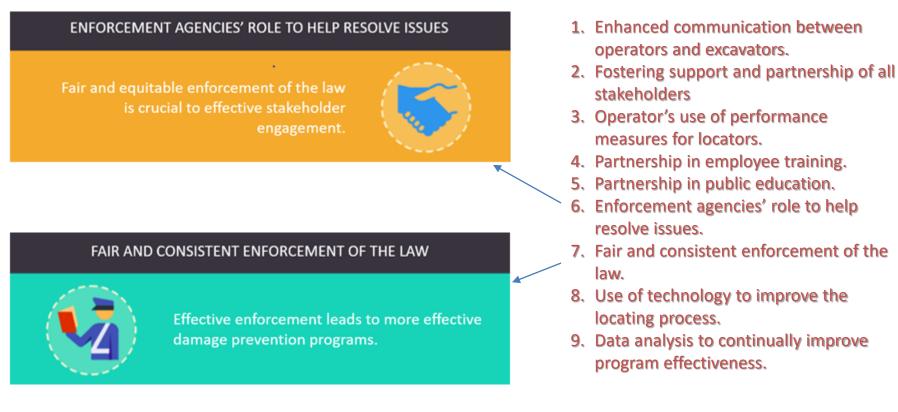


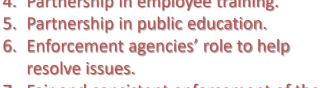


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Congress established nine elements of effective damage prevention programs in the PIPES Act of 2006

- Two Speak to Enforcement





- 7. Fair and consistent enforcement of the
- 8. Use of technology to improve the
- 9. Data analysis to continually improve program effectiveness.



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PHMSA – 2015 - Final Rule Amends the Federal Pipeline Safety Regulations

Background

49 USC § 60114 provides the United States Department of Transportation 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.**

- Final Rule July 23, 2015
- Effective January 1, 2016
- Requires <u>annual</u> evaluation





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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. (a) Is the State assessing civil penalties and other appropriate sanctions for violations (b) at levels sufficient to deter noncompliance? (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)





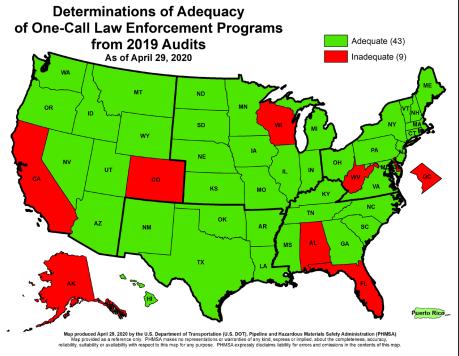
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State Determinations of Adequacy

CY 2016

Presently



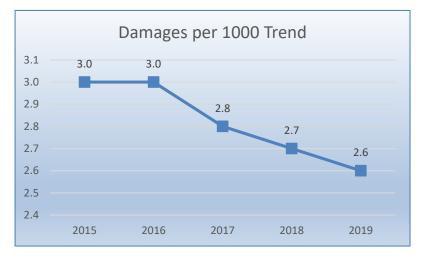


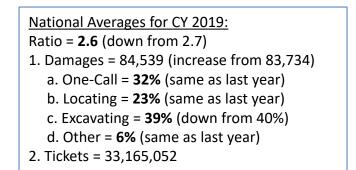
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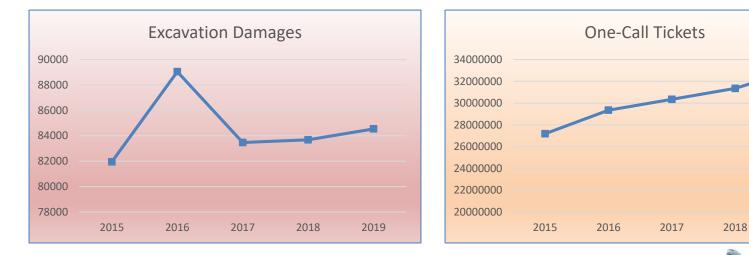


Performance Snapshot – CY 2015 – 2019 National





2019

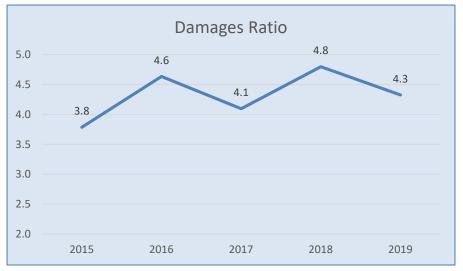


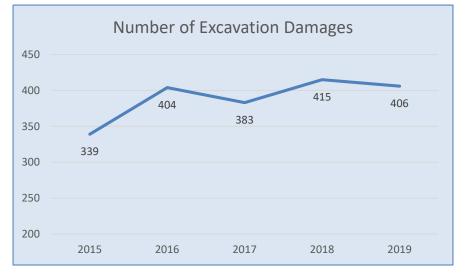


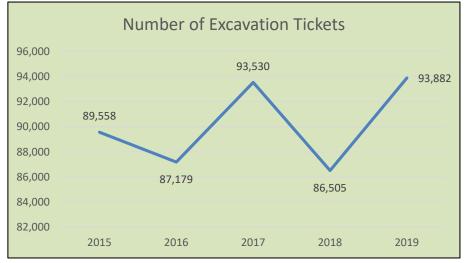
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Performance Snapshot – CY 2015-2019 South Dakota





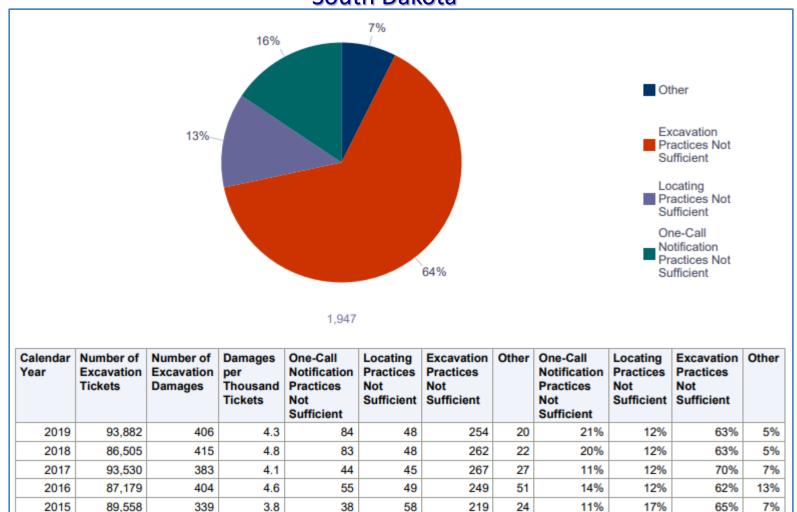




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Performance Snapshot – CY 2015-2019 South Dakota



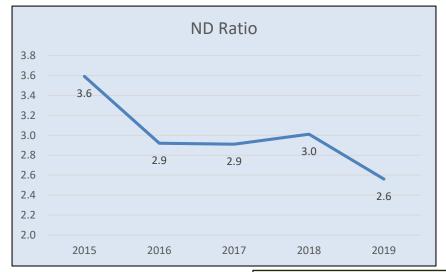


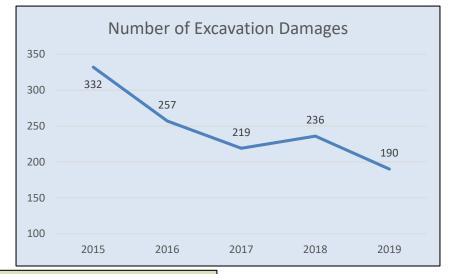
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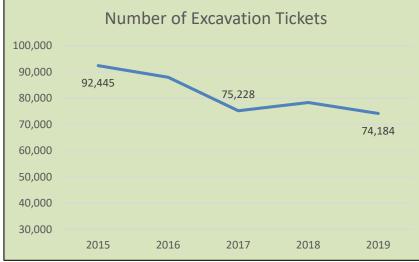
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2015

Performance Snapshot – CY 2015-2019 North Dakota





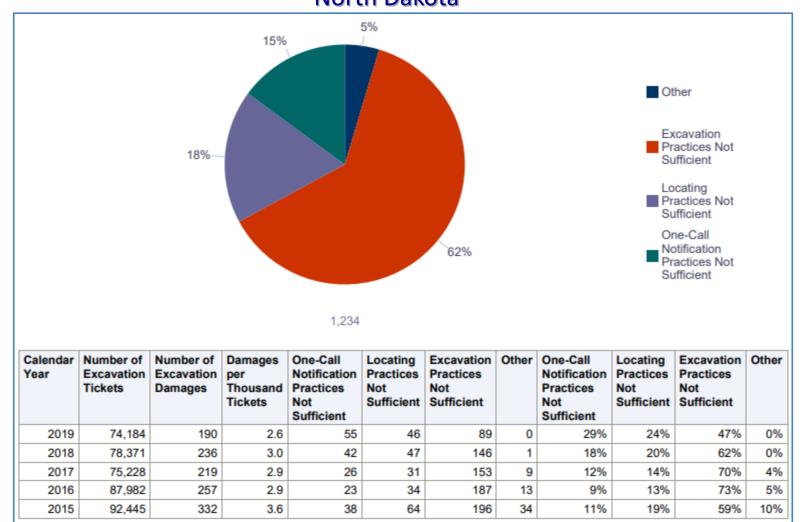






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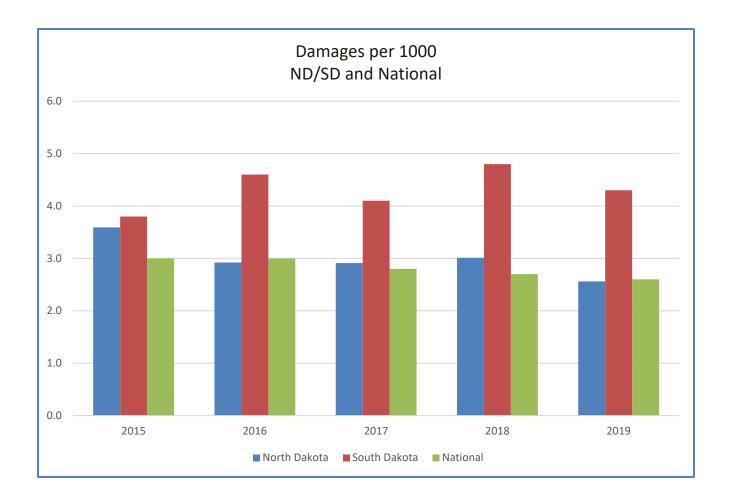
Performance Snapshot – CY 2015-2019 North Dakota





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CY2016

Total Damages – 2,233
Investigated – 46
Warnings - 46
Referred/Sanctioned – 1
(Contribution in lieu of penalty)
Damage Ratio = <mark>9.0</mark>

CY2017

Total Damages – 1,827 Investigated – 256 Warnings - 256 Referred/Sanctioned – 1 (Court ordered mandatory training) Damage Ratio = 7.0

Effective Enforcement Example: Does enforcement have an impact on safety?

CY2018

Total Damages – 1,786 Investigated – 550 Warnings - 550 Referred/Sanctioned – 1 (Training in lieu of penalty) Damage Ratio = 6.7





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Is there a nexus between effective enforcement and damage reduction?

Comparison: State A One-Call Tickets – 369, 081 Damages – 900 Warnings/Training – 34 Penalties - 759 Total Penalty Amount – \$2,432,000 Damage Ratio = 2.4 Comparison: State B One-Call Tickets – 1,046,686 Damages – 1,010 Warnings/Training – 258 Penalties - 560 Total Penalty Amount – \$561,550 Damage Ratio = 1.0

Comparison: State C One-Call Tickets – 264,656 Total Damages – 1,786 Warnings/Training – 550 Penalties - 1 Total Penalty Amount – \$0 Damage Ratio = 6.7

Top 10 States by Damage Ratio

Average Damage Ratio = 2.5 Average Number of Penalties = 158 Average Annual Penalty Amount = \$221,292 Average Warnings/Training – 148



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So What Does Effective Enforcement Look Like?



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"An effective enforcement program should foster stakeholder support in all phases of the damage prevention program."

Questions?



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