

**South Dakota State Program Manager Report**

**April 2-3, 2019**

**Mary Zanter, Pipeline Safety Program Manager**

**605-295-3375 [mary.zanter@state.sd.us](mailto:mary.zanter@state.sd.us)**



# State Program Operators

- 3 Private Distribution Operators
  - MEC, MDU & NWE
- 4 Municipal Operators
  - Crooks, Garretson, Humboldt and Watertown
- 7 Intrastate Transmission
  - Basin, Black Hills Power, MDU, NWE, SDIP, Sioux Falls Landfill, and Xcel.

# State Operator Statistics

- 4,916 Miles Distribution Mains in 2018
- 210,882 Distribution Services in 2018
- 287.92 Miles Transmission Pipeline in 2018

	<b>Main</b>	<b>Services</b>
<b>2015-2016</b>	+41 mi	+2563
<b>2016-2017</b>	+54 mi	+2848
<b>2017-2018</b>	+17 mi	+1918

# South Dakota PUC Jurisdiction

- "Gas," natural gas, liquefied natural gas, flammable gas, gas which is toxic or corrosive, or liquefied petroleum gas in distribution systems.
- "Intrastate pipeline," any pipeline or that part of a pipeline to which this part applies that is not an interstate pipeline.
- Do NOT have jurisdiction over liquid lines or interstate gas transmission lines.

# Incidents

- No jurisdictional incidents occurred in 2017.
- There were two jurisdictional incidents reported in 2018.
  - Aberdeen House Explosion, February 6, 2018
  - Rapid City Meter Set Fire, March 5, 2018

# Aberdeen, SD- February 6, 2019



# Aberdeen, SD- February 6, 2019

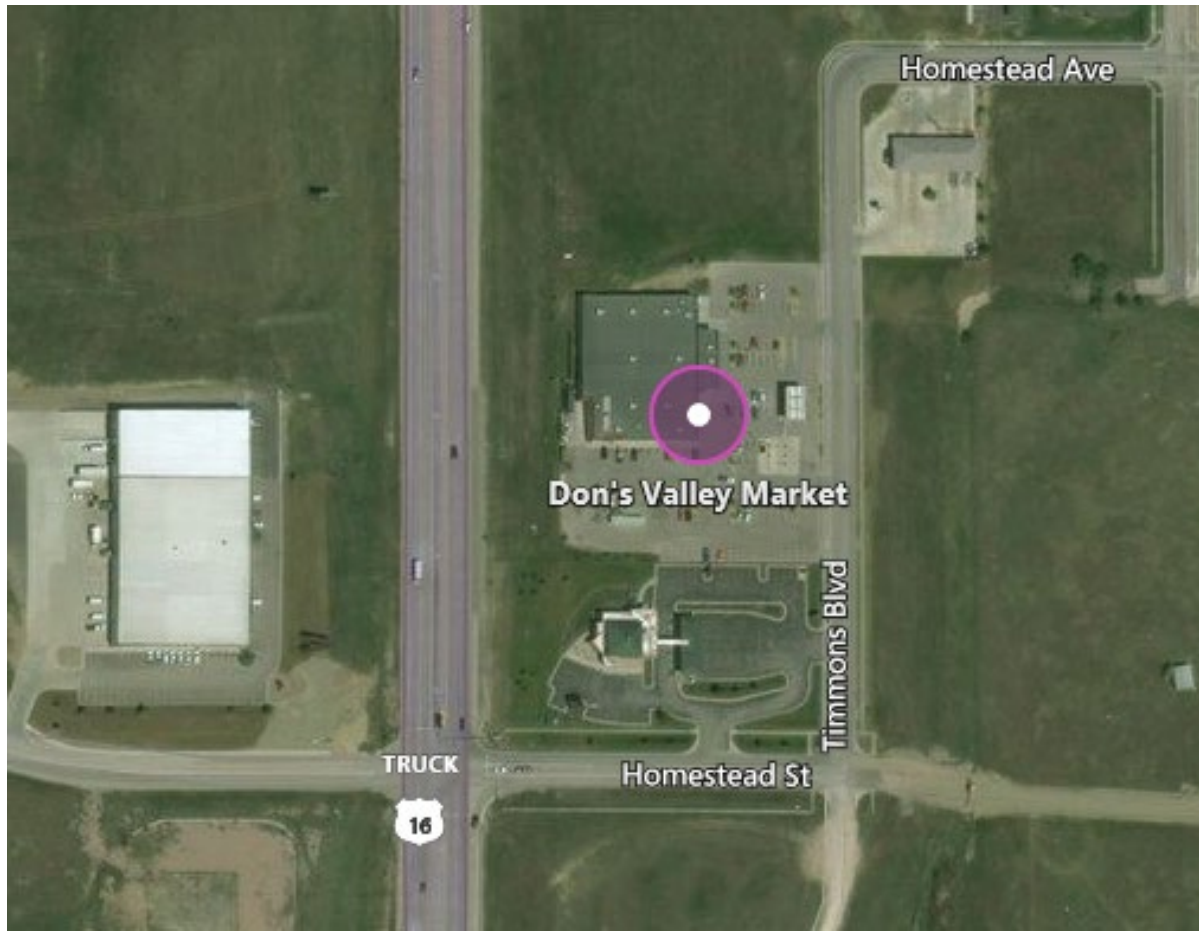


# Rapid City, SD – March 5, 2018





# Rapid City, SD – March 5, 2018



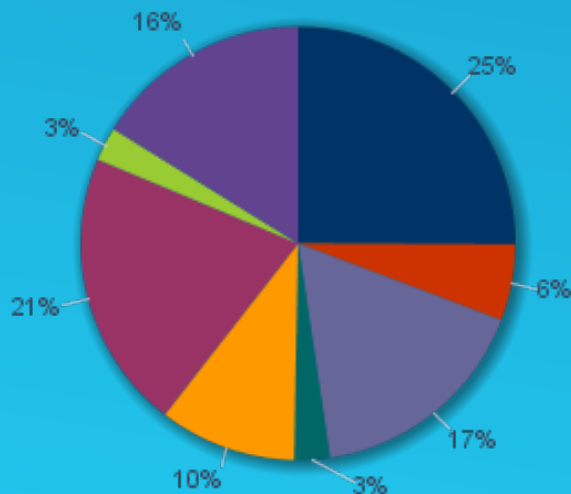
# GAS DISTRIBUTION LEAKS ELIMINATED BY CAUSE

## 2005-2018

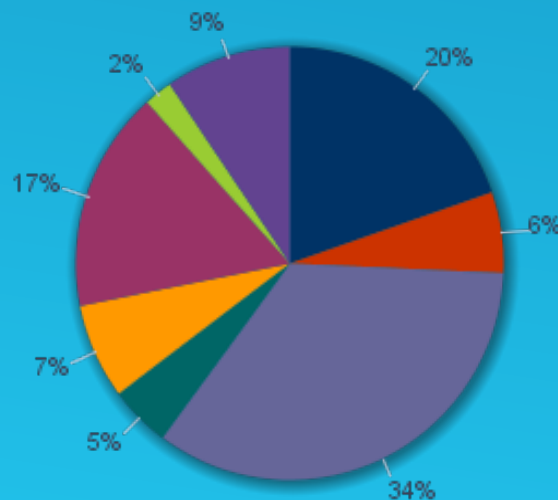
Leading cause of **Hazardous Leaks** is Excavation Damage which accounts for 34% of Hazardous Leaks, but only 17% of Leaks

For more than a decade, PHMSA has been an active participant in national, regional, and State efforts to improve excavation damage prevention.

**Leaks Eliminated**



**Hazardous Leaks Eliminated**

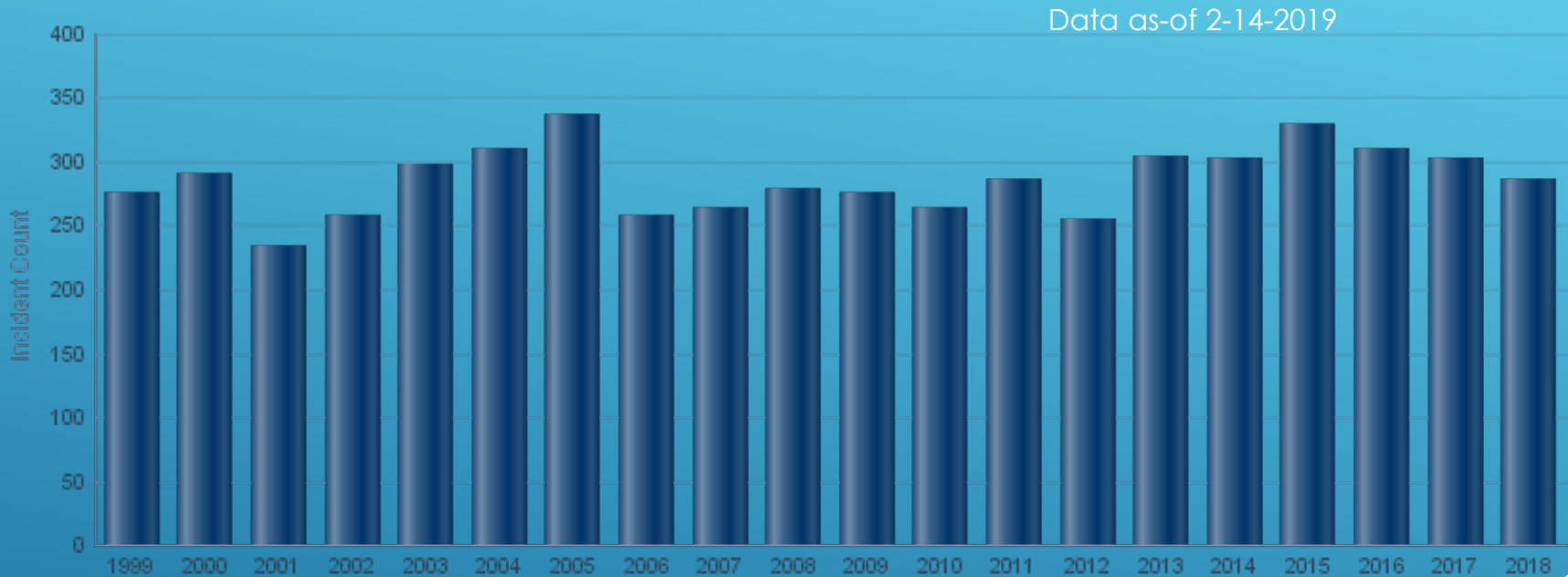


Data as of: 3-18-2019

- Corrosion
- Natural Force Damage
- Excavation
- Other Outside Force Damage
- Materials/Welds
- Equipment
- Operations
- Other

# SIGNIFICANT INCIDENTS

Significant Incidents in 2018 (285) declined 6% from 2017 (302)



## 285 in CY 2018

26% Gas Distribution  
21% Gas Transmission  
<1% LNG  
NG Storage

<1% Gas Gathering  
2% Hazardous Liquid  
<1% Underground

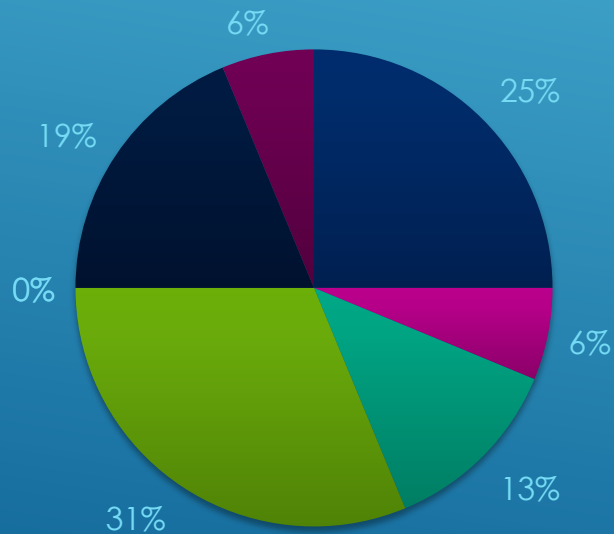
# GAS TRANSMISSION SIGNIFICANT INCIDENT CAUSE - STATE VS FED IN 2018

Leading cause for **State-Regulated** is Excavation Damage followed by All Other Causes

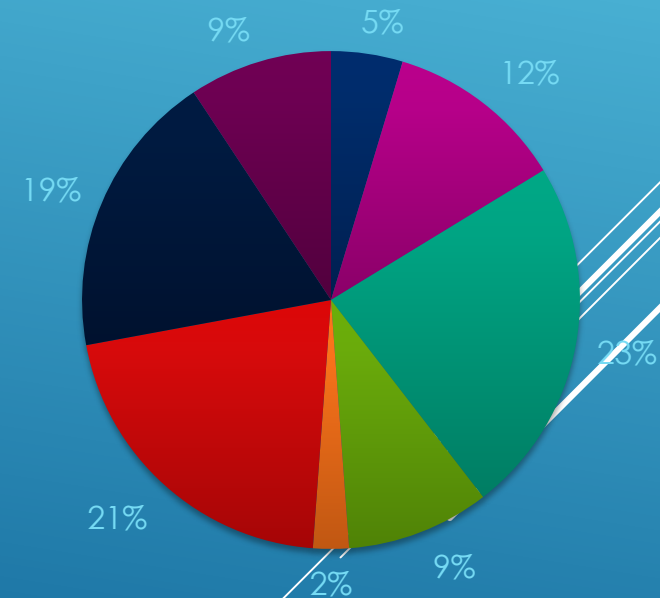
Leading cause for **Federal-Regulated** is Equipment Failure followed by Material Failure of Pipe or Weld

Data as of: 03-18-2019

## State Regulated

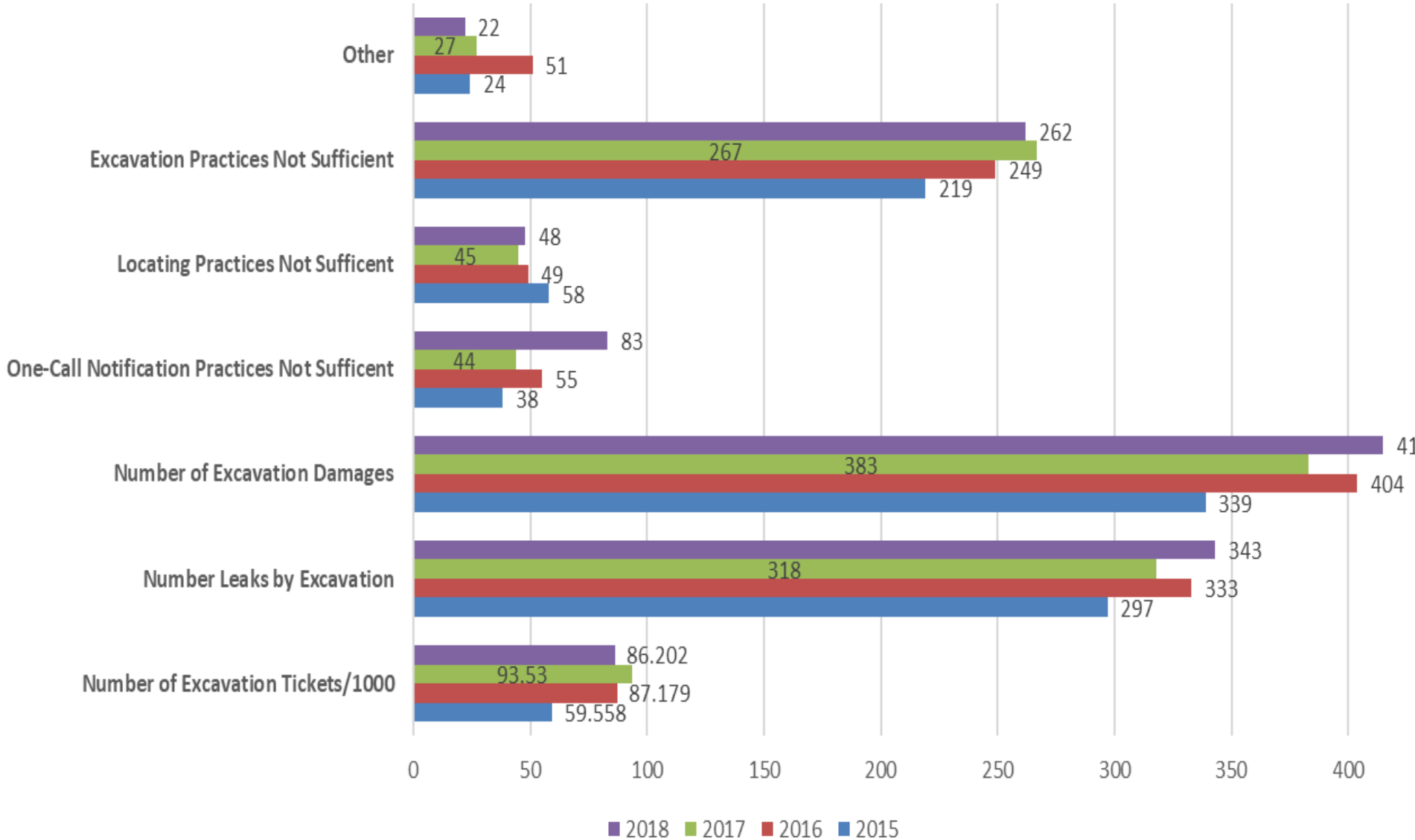


## Federal-Regulated

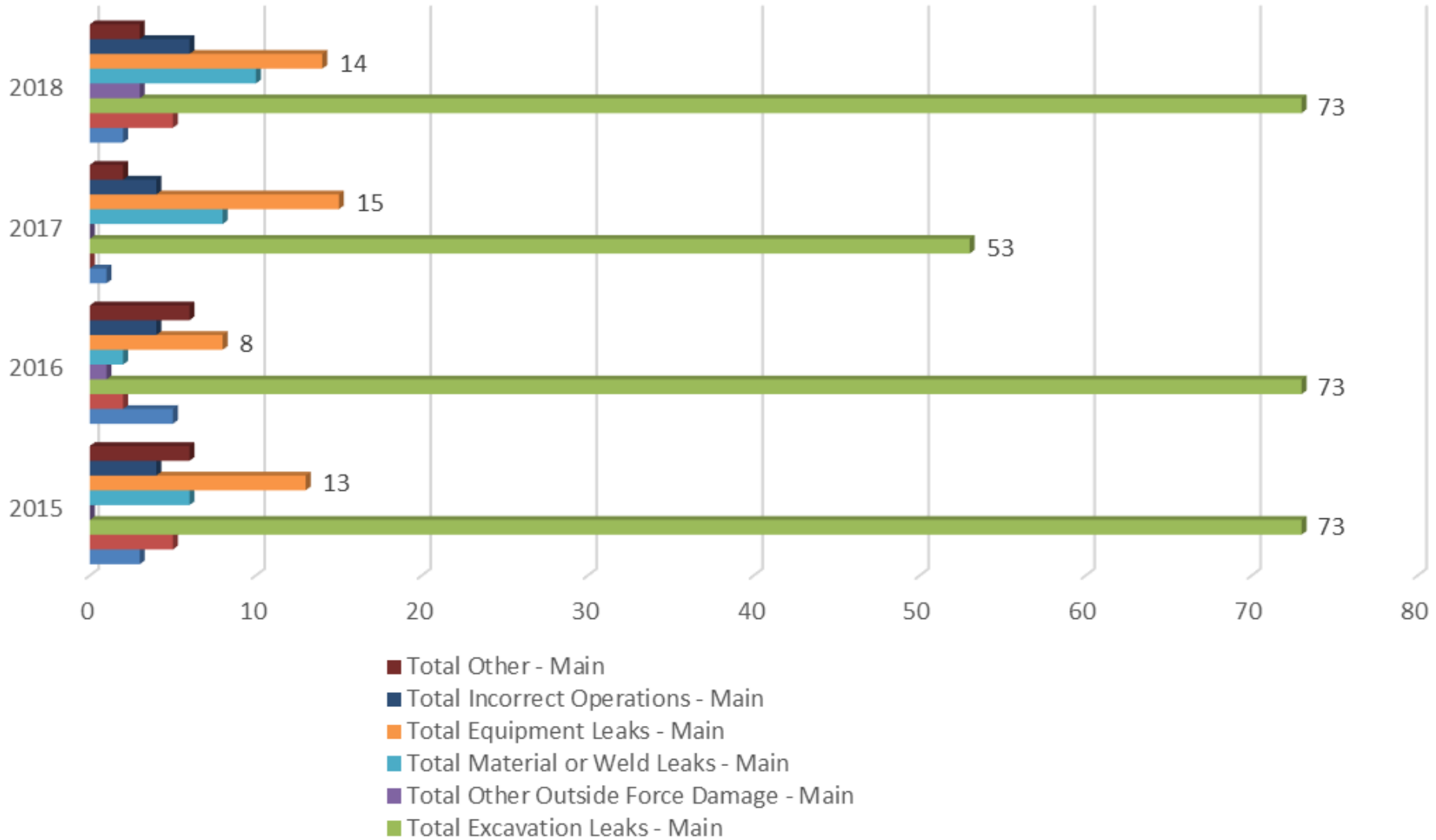


- All Other Causes
- Corrosion
- Equipment Failure
- Excavation Damage
- Incorrect Operation
- Material Failure of Pipe or Weld
- Natural Force Damage
- Other Outside Force Damage

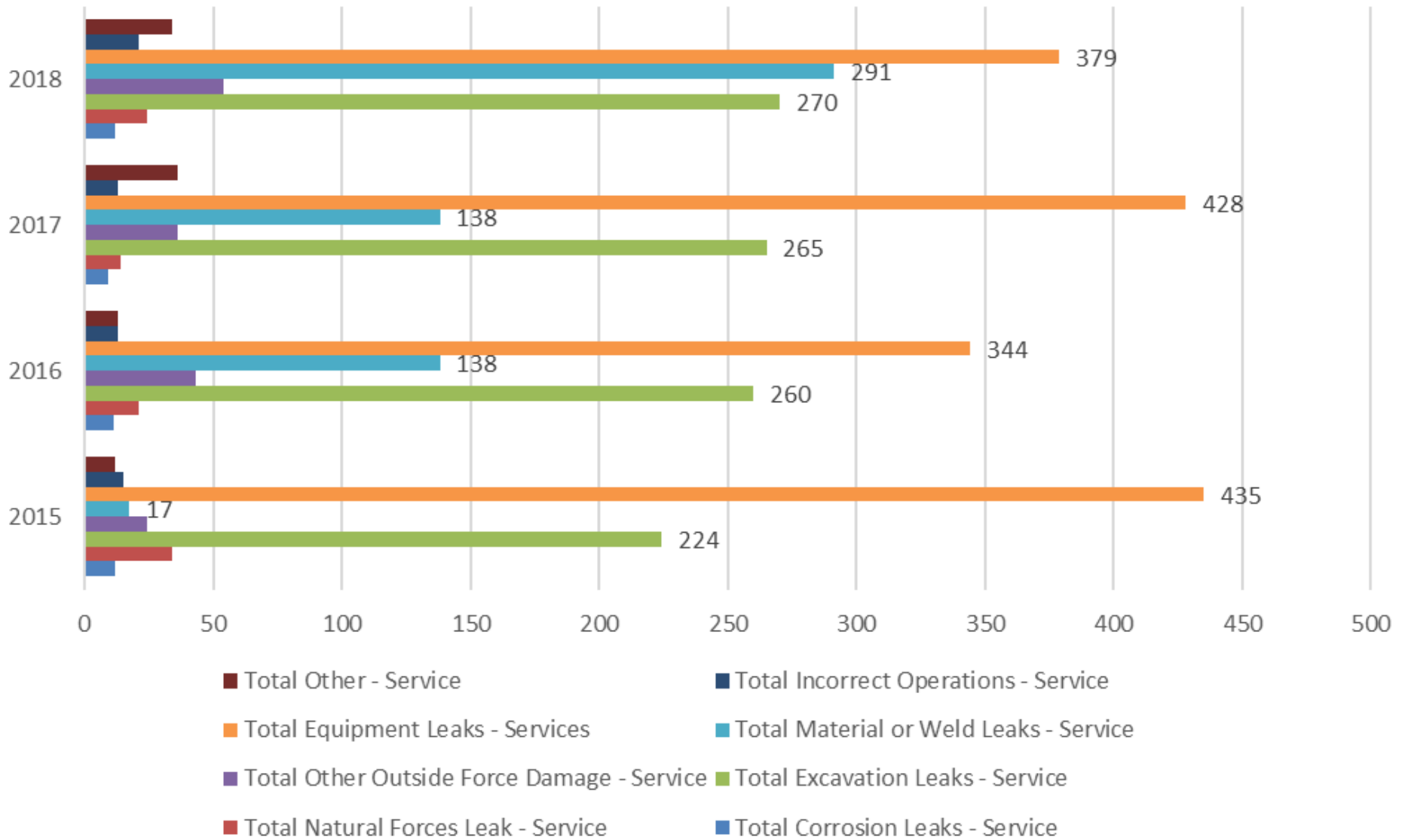
## Excavation Damages By Cause



## Main Leaks



# Service Leaks



# Construction Activity

- No large or significant projects planned for 2019.



# Questions?

- Mary Zanter
- Pipeline Safety Program Manager
- 605-295-3375
- [Mary.Zanter@state.sd.us](mailto:Mary.Zanter@state.sd.us)