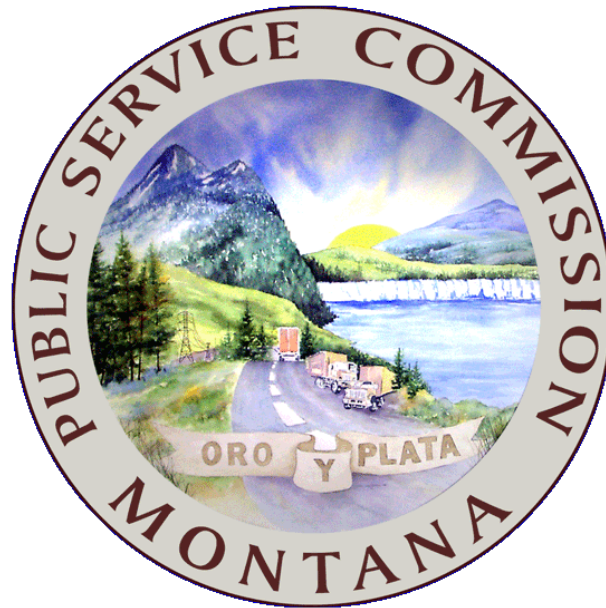


# Montana Public Service Commission



## Pipeline Safety 2023 Review



# 75 Inspections completed:

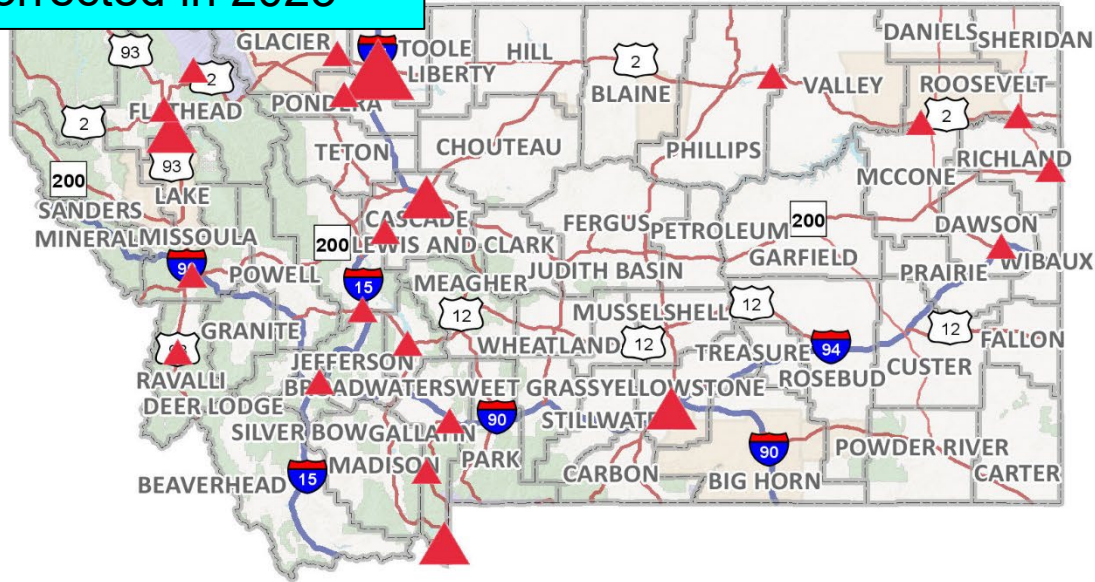
179 Inspection Days

4 Violations Written

8 Violations Carried over from 2022

11 Violations Corrected in 2023

3 Year Review



1/4/2024

2023InspectionLocations - Sheet1 PrimaryRoads

- ▲ 3
- CountyLines
- Counties

- 1
- 2
- 3

- MajorRivers
- MT Reservations
- General Ownership
- National Forest

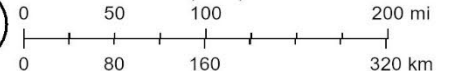
- National Park
- Private
- Lakes

- Private Land Fill
- mtshade\_WebMercator



Montana State Library

1:8,764,898



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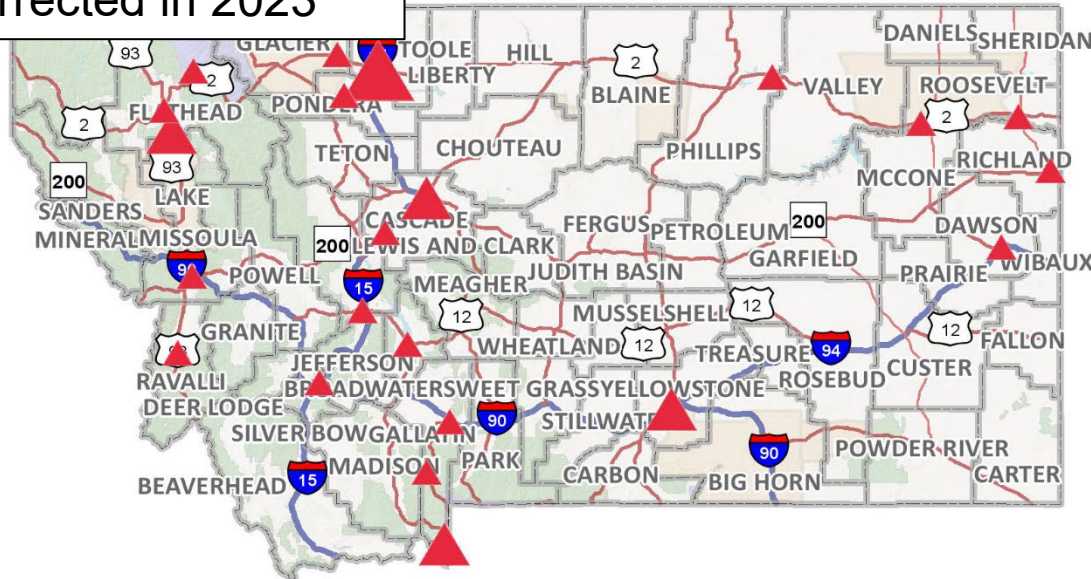
179 Inspection Days

4 Violations Written

8 Violations Carried over from 2022

11 Violations Corrected in 2023

23 Year Review



**Major Accomplishments:**  
Retired 3 Master Meter Operators  
Discovered 1 new Master Meter Operator  
Responded to 2 non-jurisdictional events  
Highland Partners Waiver Application

1/4/2024

2023InspectionLocations - Sheet1 PrimaryRoads

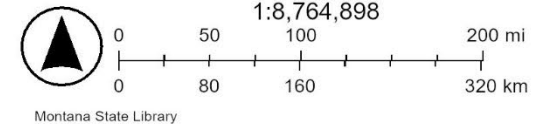
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# Master Meter Operator

**CFR Title 49 Part §191.3 Defines a Mater Meter Operator** as a pipeline system for distributing gas within, but not limited to, a definable area, such as... an apartment complex..., where the operator purchases metered gas from an outside source for resale through a gas distribution pipeline system.



# Master Meter Operator

**CFR Title 49 Part §191.3 Defines a Mater Meter Operator** as a pipeline system for distributing gas within, but not limited to, a definable area, such as... an apartment complex..., where the operator purchases metered gas from an outside source for resale through a gas distribution pipeline system.



## **MMO are problematic because:**

Required to meet the same code requirements as large operators (NWE)

Limited Staff to operate the systems safely

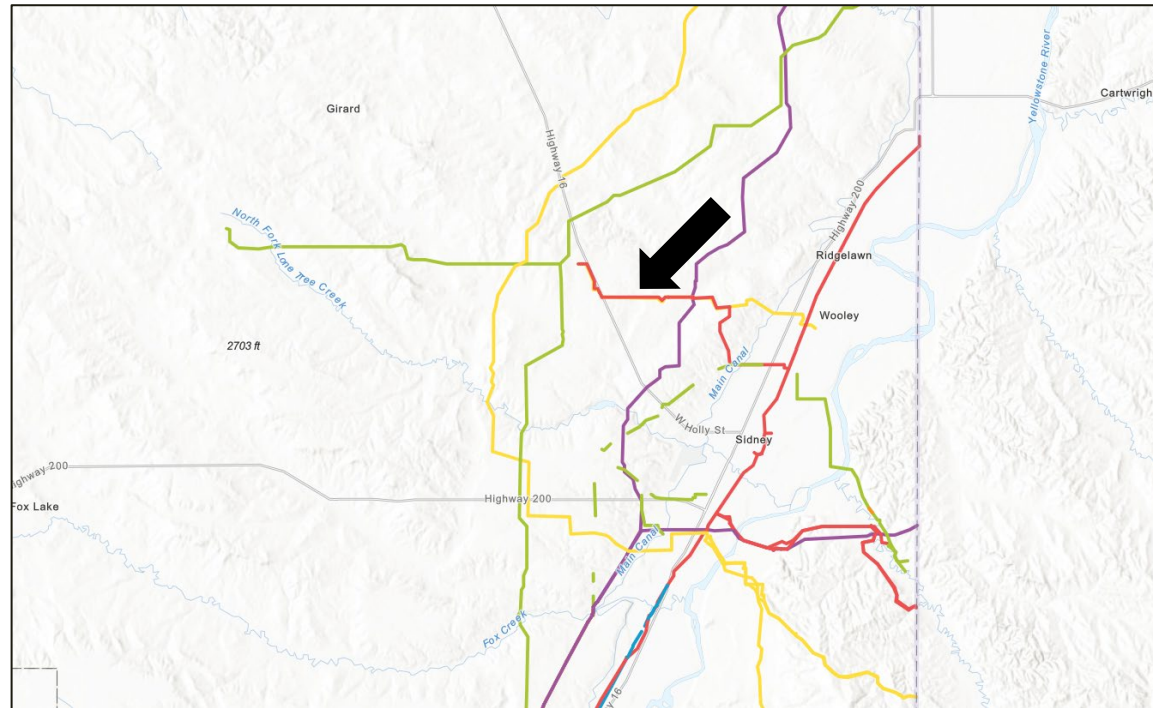
Limited Knowledge, Skills and Abilities of Pipeline Safety operations and regulations

Change Ownership frequently and owners are not often aware of responsibilities.

# Highland Partners Joining Waiver Application

## Bakken Residue Line

- 8-inch steel pipeline
- 9.12 miles in length
- MAOP of 1440 psig
- Delivers gas at 400 psig
- Built with ZapLock pipe



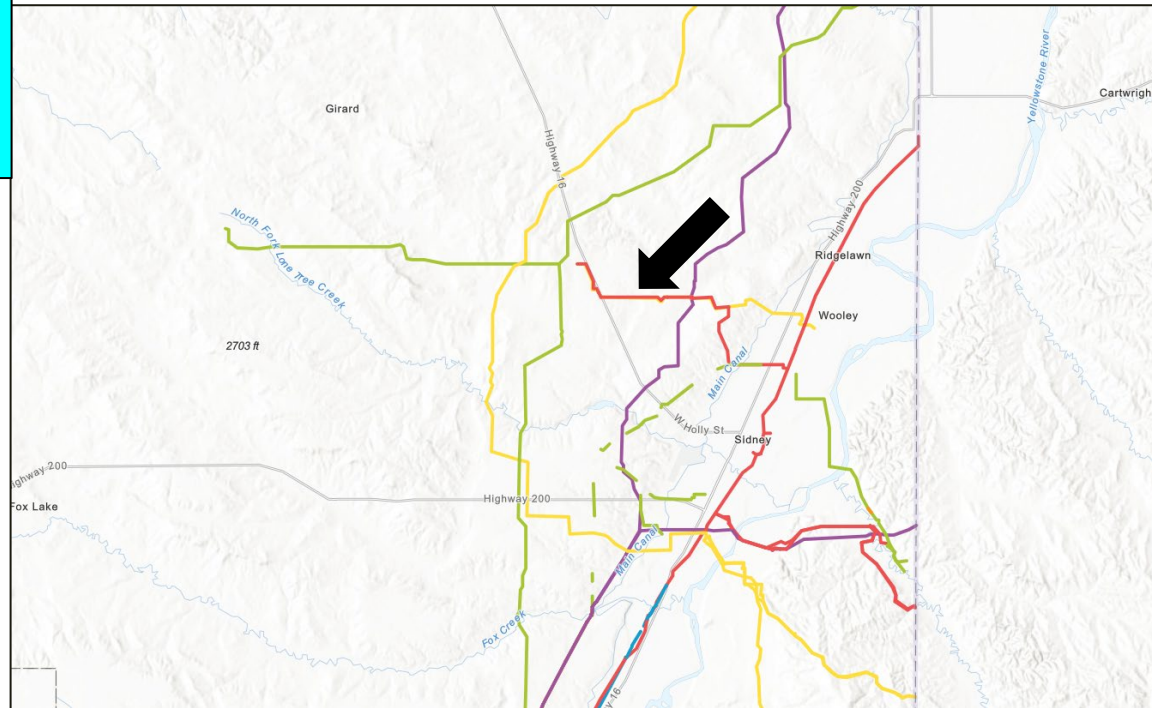
# Highland Partners Joining Waiver Application

## Special Permit

- Effective 12/15/23
- Applies only to this segment
- 11 Conditions:
  - 1) MAOP limited to 800 psig
  - 3) Close Interval Surveys
  - 4) Inline Inspection (PIG)
  - 8) Mainline Valves
  - 9) Dept of Cover Survey
  - 10) Field Activities Notification

## Bakken Residue Line

- 8-inch steel pipeline
- 9.12 miles in length
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# Highland Partners Joining Waiver Application

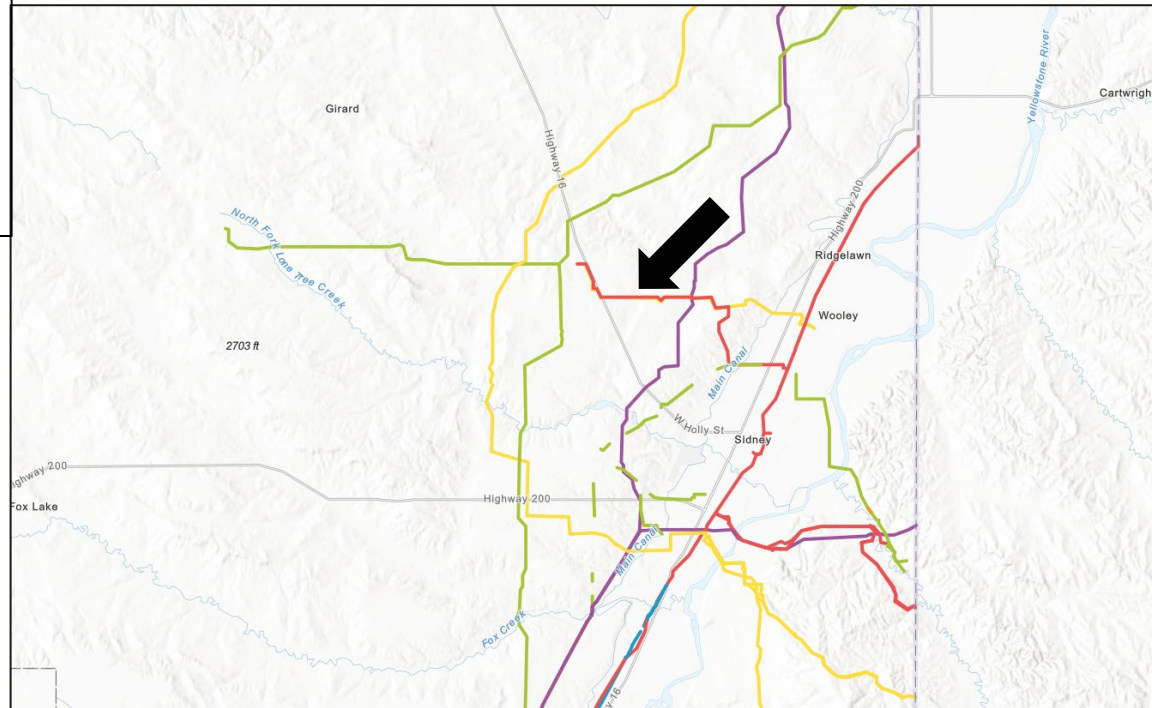
## Special Permit

- Effective 12/15/23
- Applies only to this segment
- 11 Conditions:
  - 1) MAOP limited to 800 psig
  - 3) Corrosion Control
  - 4) Close Interval Surveys
  - 5) Inline Inspection (PIG)
  - 8) Mainline Valves
  - 9) Dept of Cover Survey
  - 10) Field Activities Notification

## Bakken Residue Line

- 8-inch steel pipeline
- 9.12 miles in length
- MAOP of 1440 psig
- Delivers gas at 400 psig
- Built with ZapLock pipe

This is the first Special Permit in the US for ZapLock pipe. Since ZapLock Pipe is in use in many parts of the country already, this Special Permit will be applied in several more States in the future.



# 2023 Inspections

## Total State Field Inspection Days

Intrastate	Total	Standard Procedure	Standard Records	Standard Field	DIMP Program	DIMP Implementation	TIMP Program	TIMP Implementation	TIMP Field	OQ Program (Prot. 1-8)	OQ Field (Prot. 9)	Design, Testing, Construction	Investigating Incidents/Accidents	Damage Prevention	On-Site Operator Training	Compliance Follow-up	CRM	PAP	Drug and Alcohol
LNG	15	4	6	5															
LPG	34	0	9							6	1	3				6		9	
Master Meter	29											8				21			
Municipal	3		0											1		2			
Private	87	13	22							2	4	23		3	3			15	2
Gathering	0																		
Transmission	11			3				2			1	5		0				0	
<b>Total</b>	<b>Total</b>	<b>Standard Procedure</b>	<b>Standard Records</b>	<b>Standard Field</b>	<b>DIMP Program</b>	<b>DIMP Implementation</b>	<b>TIMP Program</b>	<b>TIMP Implementation</b>	<b>TIMP Field</b>	<b>OQ Program (Prot. 1-8)</b>	<b>OQ Field (Prot. 9)</b>	<b>Design, Testing, Construction</b>	<b>Investigating Incidents/Accidents</b>	<b>Damage Prevention</b>	<b>On-Site Operator Training</b>	<b>Compliance Follow-up</b>	<b>CRM</b>	<b>PAP</b>	<b>Drug and Alcohol</b>
Total	179	17	37	8	0	0	0	2	0	8	6	39	0	4	3	29	0	24	2
Total From Time Cards	179																		

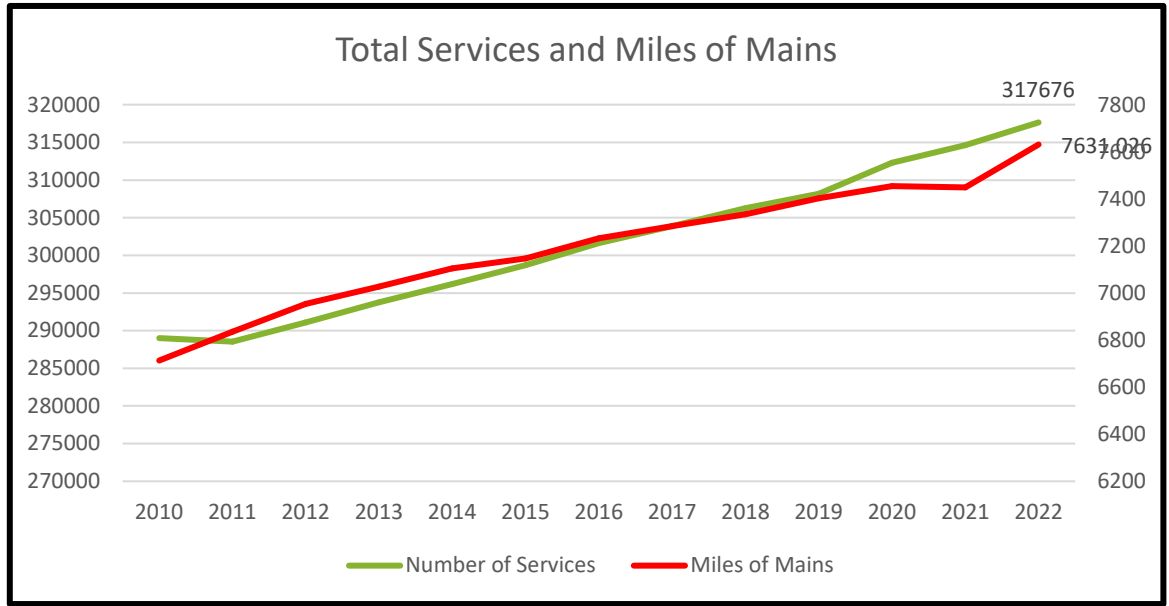
# 2023 Inspections

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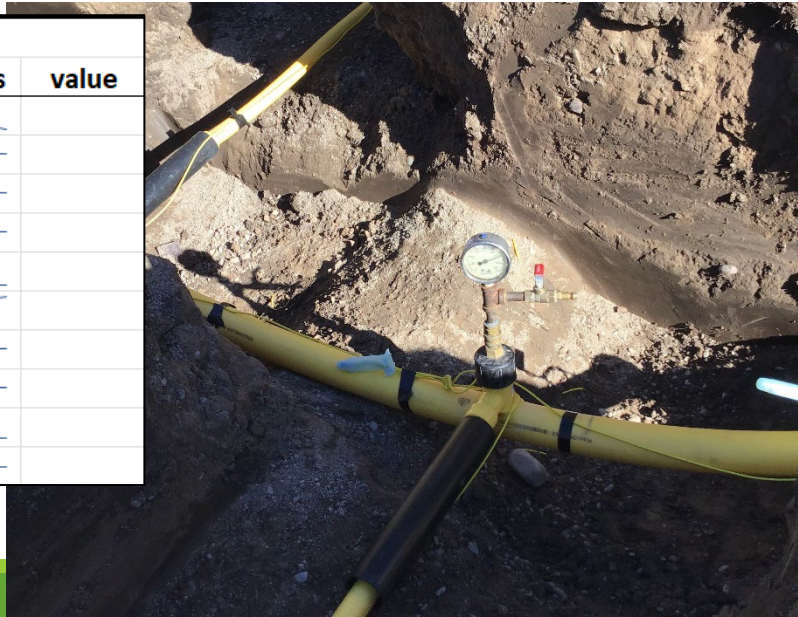
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Total	179	17	37	8	0	0	0	2	0	8	6	39	0	4	3	29	0	24	2
Total From Time Cards	179																		

**22%**

# 2023 Distribution Statistics

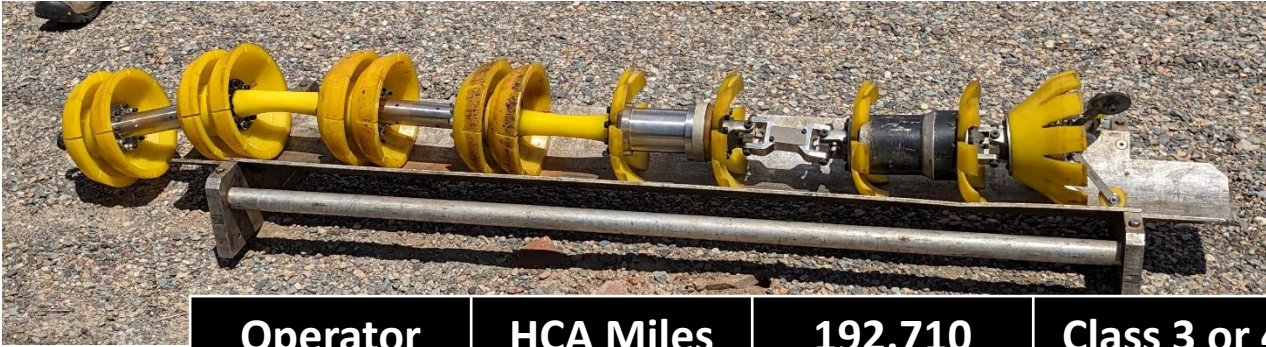


Miles of mains and number of services at end of year					
Material	Miles of Mains	value	Number of Services	value	
Steel					
Ductile Iron					
Copper					
Cast/Wrought Iron					
PVC Plastic					
PE Plastic					
ABS Plastic					
Other Plastic					
Other Material					
Reconditioned Cast Iron					



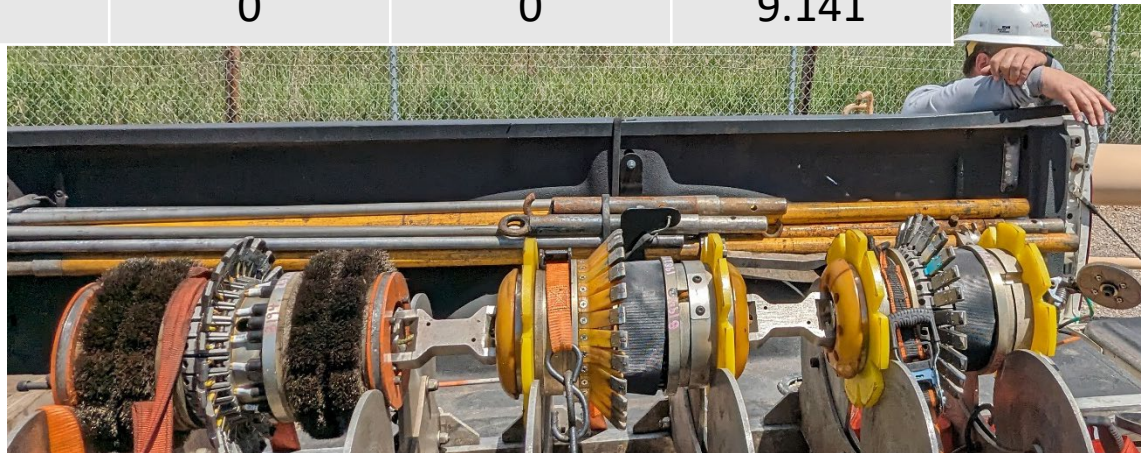


# 2023 Transmission Statistics



Operator	HCA Miles	192.710 Miles	Class 3 or 4 Miles	Class 1 or 2 Miles
MDU	0	0	0	2.525
NWE	9.26	79.39	25.61	2075.736
NWE Havre	0	0	0	69.17
Highland	0	0	0	9.141

2270.6 miles  
Transmission pipeline



# 2023 Underground Gas Storage Statistics

Facility	County	Gas Capacity	Well Count	Surface Pressure
Cobb	Toole	41.25 BCF	49	736 psig
Dry Creek	Carbon	37.83 BCF	12	1135 psig
Box Elder	Blaine	7.9 BCF	7	377 psig



# 2024 Outlook

## **Inspection Days:**

Required inspection day count: 171

Inspection day count goal:185

# 2024 Outlook

## **Inspection Days:**

Required inspection day count: 171

Inspection day count goal:185

Hire a new inspector



# 2024 Outlook

## **Inspection Days:**

Required inspection day count: 171

Inspection day count goal:185

Hire a new inspector

Integrate the existing Pipeline Database into the REDDI platform

# 2024 Outlook

## **Inspection Days:**

Required inspection day count: 171

Inspection day count goal:185

Hire a new inspector

Integrate the existing Pipeline Database into the REDDI platform

## **Training in Oklahoma:**

Joel Tierney: 1 course

Sam Harworth: 3 courses

New hire: 7 core courses required

# 2024 Outlook

## **Inspection Days:**

Required inspection day count: 171

Inspection day count goal:185

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Integrate the existing Pipeline Database into the REDDI platform

## **Training in Oklahoma:**

Joel Tierney: 1 course

Sam Harworth: 3 courses

New hire: 7 core courses required

Continue to work with the 4 small-operators

Absorb the 2 MMO's into the NWE system

# 2024 Outlook

## **Inspection Days:**

Required inspection day count: 171

Inspection day count goal: 185

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Integrate the existing Pipeline Database into the REDDI platform

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Host the 2024 Montana Pipeline Safety Seminar (February 6<sup>th</sup> and 7<sup>th</sup>)



# 2024 Outlook

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Integrate the existing Pipeline Database into the REDDI platform

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New hire: 7 core courses required

Continue to work with the 4 small-operators

Absorb the 2 MMO's into the NWE system

Host the 2024 Montana Pipeline Safety Seminar (February 6<sup>th</sup> and 7<sup>th</sup>)

Conduct the needed inspections to see that Highland meets the requirements of their waiver.



# Non-jurisdictional

- One Horse Motel Explosion



# Non-jurisdictional

- One Horse Motel Explosion
- BP-Archaea RNG Facility at the Missoula Landfill

