

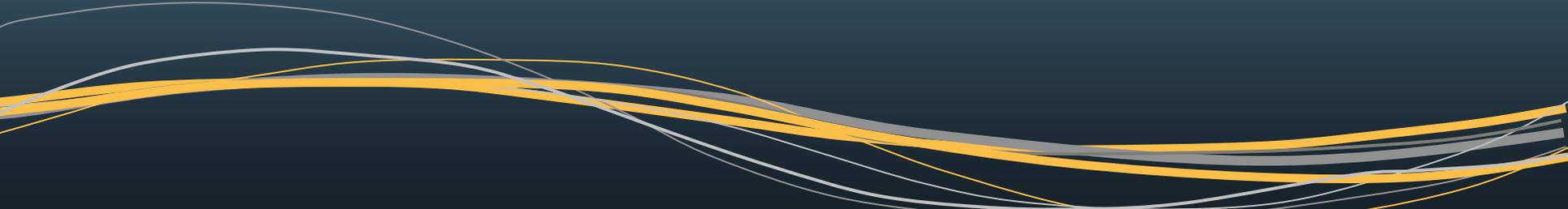
**PHMSA NPMS
Public
Workshop**

American Gas Association Operator's Perspective

November 17, 2014



Topics of Discussion

- ▶ Company Overview
 - ▶ Evolution of Data Collection
 - ▶ Timeframe and Resources
 - ▶ Challenges and Concerns
 - ▶ Summary
- 
- The bottom of the slide features a decorative graphic consisting of several overlapping, wavy lines in shades of yellow and grey, creating a sense of motion and flow.

Current Information

Commodity

Status Code

ILI Other

Interstate

Low Stress

Direct Assessment

Onshore/Offshore

Piggable

Coated/Uncoated

Throughput

Installation Method

Coating Type

Material

Positional Accuracy

Cathodic Protection

Diameter

MAOP

Leak Detection

Wall Thickness

Class Location

Original Pressure Test Date

Pipe Grade

High Consequence Area

Original Pressure Test Pressure

Joining Method

Pipeline ID

Last Pressure Test Date

% SMYS

ILI Corrosion

Last Pressure Test Pressure

Seam Type

ILI Dent

Begin Station

Construction Year

ILI Crack

End Station

Evolution of Data Collection

Legacy GIS Challenges

- ▶ Data not readily available
- ▶ Data sourced from paper records
- ▶ Pipeline limited to a schematic representation
 - Geospatial referencing incomplete
 - Minimal attribute data not linked to source records
 - Stationing challenges with re-routes not synched between plat sheets and GIS

Evolution of Data Collection

Current & Future State

- ▶ Conservative assumptions incorporated into risk analysis
- ▶ Modification of design/procurement process
 - Confirmation prior to construction
 - Attribute data captured electronically
- ▶ Expanded use of In Line Inspection
 - Constraints
 - Evolution of technology

Timeframe and Resources

Records Equally Valuable Asset

▶ Pipe Data Project

- 75 people (mix of engineering, operation SME's data analysts, IT)
- \$24M total spend
- 2 year effort

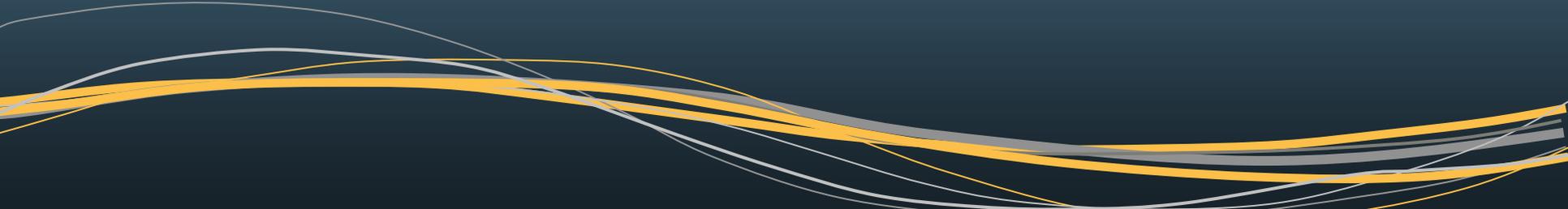
▶ Centerline and depth of cover = \$20M

▶ Populated vs. validated

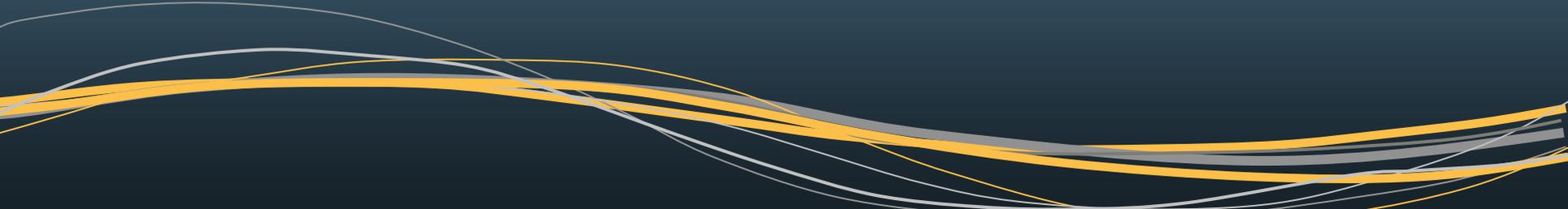
▶ Burden of additional physical security



Challenges and Concerns

- ▶ Balancing human and capital resources
 - ▶ Relevant vs. Beneficial
 - ▶ Availability of technology
 - ▶ Data security
 - Physical security
- 

Summary

- ▶ Willing to change with PHMSA
 - ▶ Populated vs. validated
 - ▶ Relevant data vs. beneficial data
 - ▶ Operators should be afforded the flexibility to direct limited funds
- 



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