US DOT
Pipeline and Hazardous Materials Safety Administration (PHMSA)

New Data, New Metrics
Pipeline Safety Trust (PST)
Annual Conference

November 2, 2017
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New PHMSA Data

- Underground Natural Gas Storage (UNGS) Facility Incident Reports - collection started in 2017 using the Gas Transmission/Gas Gathering incident report form

- UNGS Facility Annual Reports - collection starts in 2018 with reports for calendar year 2017

- Failed attempt to revamp Incident Reports
  - Revamp project started in 2014 with multiple stakeholders
  - In July 2017, Office of Management & Budget (OMB) rejected proposed revamp of hazardous liquid accident report
  - OMB has been considering proposed revamp of three gas incident report forms since April 2017, but has not made a decision
New PHMSA Website

- **PHMSA Home Page** [https://www.phmsa.dot.gov](https://www.phmsa.dot.gov)
- **Pipeline Data and Statistics**
  - Pipeline Operator Safety Program Data
  - National Pipeline Performance Measures
  - State Pipeline Performance Measures
  - Source Data
- **Pipeline Forms** – current and historical version of reports
  [https://www.phmsa.dot.gov/forms/pipeline-forms](https://www.phmsa.dot.gov/forms/pipeline-forms)
National Pipeline Performance Measures

- Crude Oil/Refined Petroleum/Biofuel Pipeline Performance Measures
- Gas Pipeline Performance Measures
- Pipeline Mileage and Facilities
- Pipeline Incidents: 20-Year Trends
- Incidents Caused by Excavation Damage
- Integrity Management (IM) Performance Metrics
- Incidents and Leaks Repaired on Federal Land or Outer Continental Shelf (OCS)
Gas Distribution Performance Measures

published late 2015

**Serious Incident per Mile**  trend & cause pie

**Significant Incident per Mile**  3 trends

**Leaks per Mile**  3 trends & 2 cause pies

**Excavation Damage**  2 trends

**Cast and Wrought Iron**  2 trends

**Steel Miles – Bare and Unprotected**  3 trends

**Miles by Decade Installed**  6 trends
Gas Transmission Performance Measures

published late 2015

**Serious Incident per Mile**  trend & cause pie

**Onshore Significant Incident per Mile**  3 trends, also **HCA and non-HCA** trends & cause pies

**HCA Immediate Repair per Mile**  trend

**HCA Leaks & ILI Detectability**  2 trends & cause pies

**Steel Miles – Bare and Unprotected**  2 trends

**Miles by Decade Installed**  5 trends

**Onshore Pipeline Significant Incident Rates per Decade**  rate chart and cause chart
Crude Oil/Refined Petroleum/Biofuel Pipeline Performance Measures

published late 2017

**Serious Incidents** rate per mile and causes

**Accidents Impacting People or the Environment** rate per mile and volume spilled per barrel-mile transported. Displayed for all causes, Integrity Inspection targets, and Operations and Maintenance targets.

**Miles Inspected** by year and inspection method

Access to accident report details, by-OpID view, and by-Safety Program view
Crude Oil/Refined Petroleum/Biofuel Pipeline Accidents Impacting People or the Environment

Rate per Mile

Barrels Spilled per Barrel-Mile Transported
Crude Oil/Refined Petroleum/Biofuel Pipeline Accidents Impacting People or the Environment Integrity Inspection Targets

Rate per Mile

Barrels Spilled per Barrel-Mile Transported
Crude Oil/Refined Petroleum/Biofuel Pipeline Accidents Impacting People or the Environment Operations and Maintenance Targets

Rate per Mile

Barrels Spilled per Barrel-Mile Transported
Questions?

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