



Leading Pipeline Safety

2019 Pipeline Leadership Conference

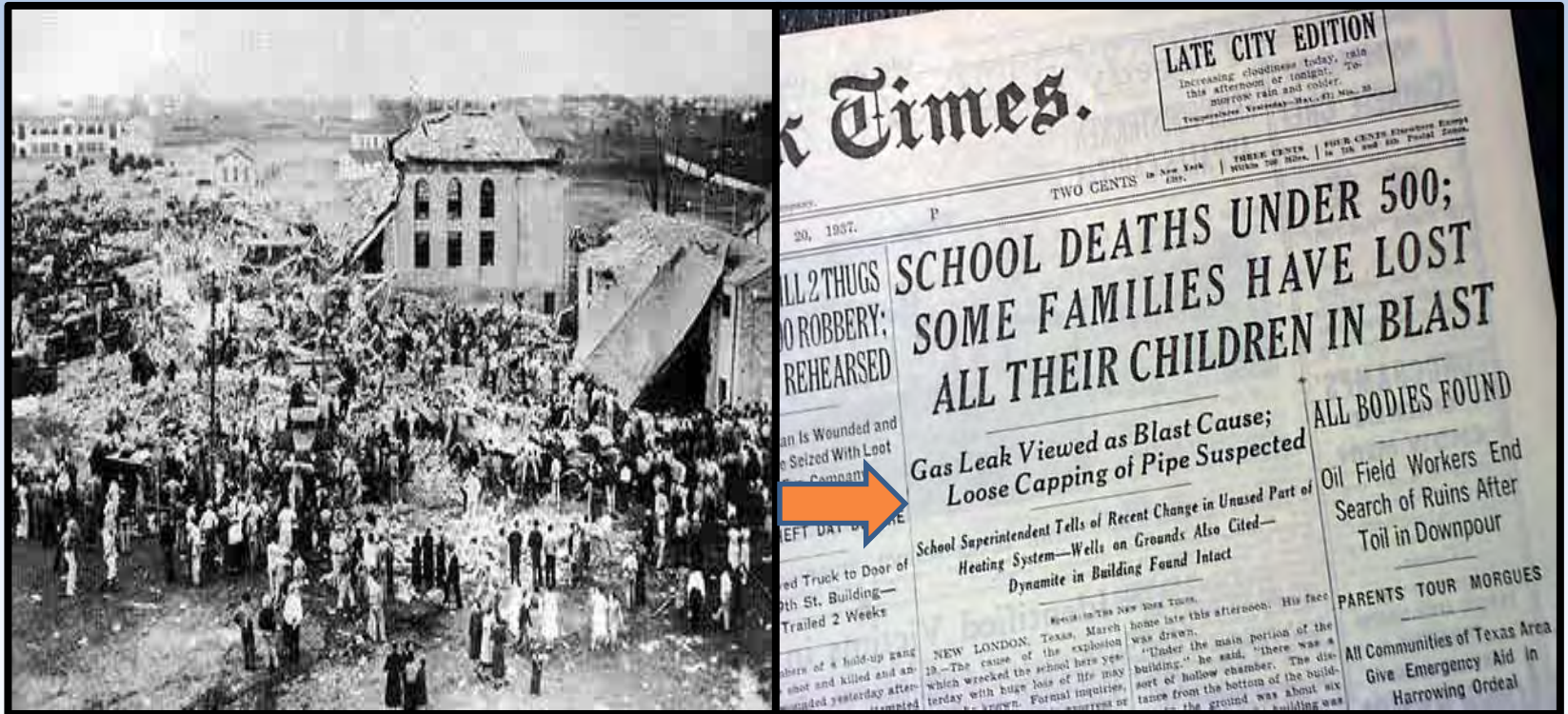
Alan K. Mayberry, P.E.

Associate Administrator for Pipeline Safety



March, 1937

Over 290 killed



New London, Texas



March, 1965

17 killed



Natchitoches, Louisiana



U.S. Department of Transportation
Pipeline and Hazardous Materials
Safety Administration

"To protect people and the environment by advancing the safe transportation of energy and other hazardous materials that are essential to our daily lives."



Current Environment

Reauthorization
New and Pending Regulations
Drivers of Regulations
Regulatory Reform



Reauthorization 2019

- State Programs Management
- Overpressure protection for low pressure systems
- Management of Change
- OQ for Construction
- Voluntary Information-sharing System (VIS)*
- Technology Pilot Projects
- Incident Reporting Limits
- Pipeline Safety Incentives Program *
- Inactive/Idle Pipelines
- PHMSA participation in public meetings and proceedings



New Regulations

3 major rules issued in 2019

- Safety of Onshore Gas Pipelines - Part 1
- Safety of Hazardous Liquid Pipelines
- Emergency Order



Outreach to assist in comprehension



Rulemaking 2019

- ✓ Emergency Order (Final)
- ✓ Hazardous Liquid Pipelines (Final)
- ✓ Gas Transmission Part 1 (Final), Mandates
- Underground Gas Storage (Final)
- Rupture Detection and Valve (NPRM)



Rulemaking 2020+

- Liquefied Natural Gas (NPRM)
- Gas Transmission Part 2 (Final)
- Gas Gathering (Final)
- Class Location (NPRM) *
- Standards Update (NPRM)
- Gas Pipeline Regulatory Reform (NPRM)
- Liquid Pipeline Regulatory Reform (NPRM)
- USA Definition – Coastal Beaches and Waterways (ANPRM)
- Liquid Pipeline Repair Criteria (NPRM) *



Drivers of the Regulatory Agenda

- Pipeline Safety Act of 2011
- PIPES Act of 2016
- NTSB/GAO/OIG
- Executive Orders
- Petitions for Rulemaking



Regulatory Reform

- Plastic Pipe Operational Limits
- Class Location and MAOP
- Farm Taps
- Boiler Pressure Vessel Code Safety Factors
- API-653 Risk Based Inspections
- Standards Updates – Phased approach
- Reporting Threshold
- PHMSA Inspections – Evaluating adequacy
- PHMSA Non-regulatory Recommendations



PHMSA's Role

- Establish national minimum safety regulations
- Provide oversight of compliance through risk-based inspections
- Educate the public regarding pipeline safety
- Analyze data for trends and addressing emerging issues
- Promoting a good safety culture
- Promoting technology and innovation



PIPELINE SAFETY LEADERSHIP

As leaders, we have a shared responsibility to use our influence to ensure this does not happen on our watch...



How can we get there?

- Technology and training holds the potential to change what we **CAN** do
- Culture affects what we **WILL** do
- We must assess the ways in which we work to improve pipeline safety

Pipeline Safety Management Systems (PSMS) are the key to closing the safety gaps that cause infrequent yet catastrophic accidents

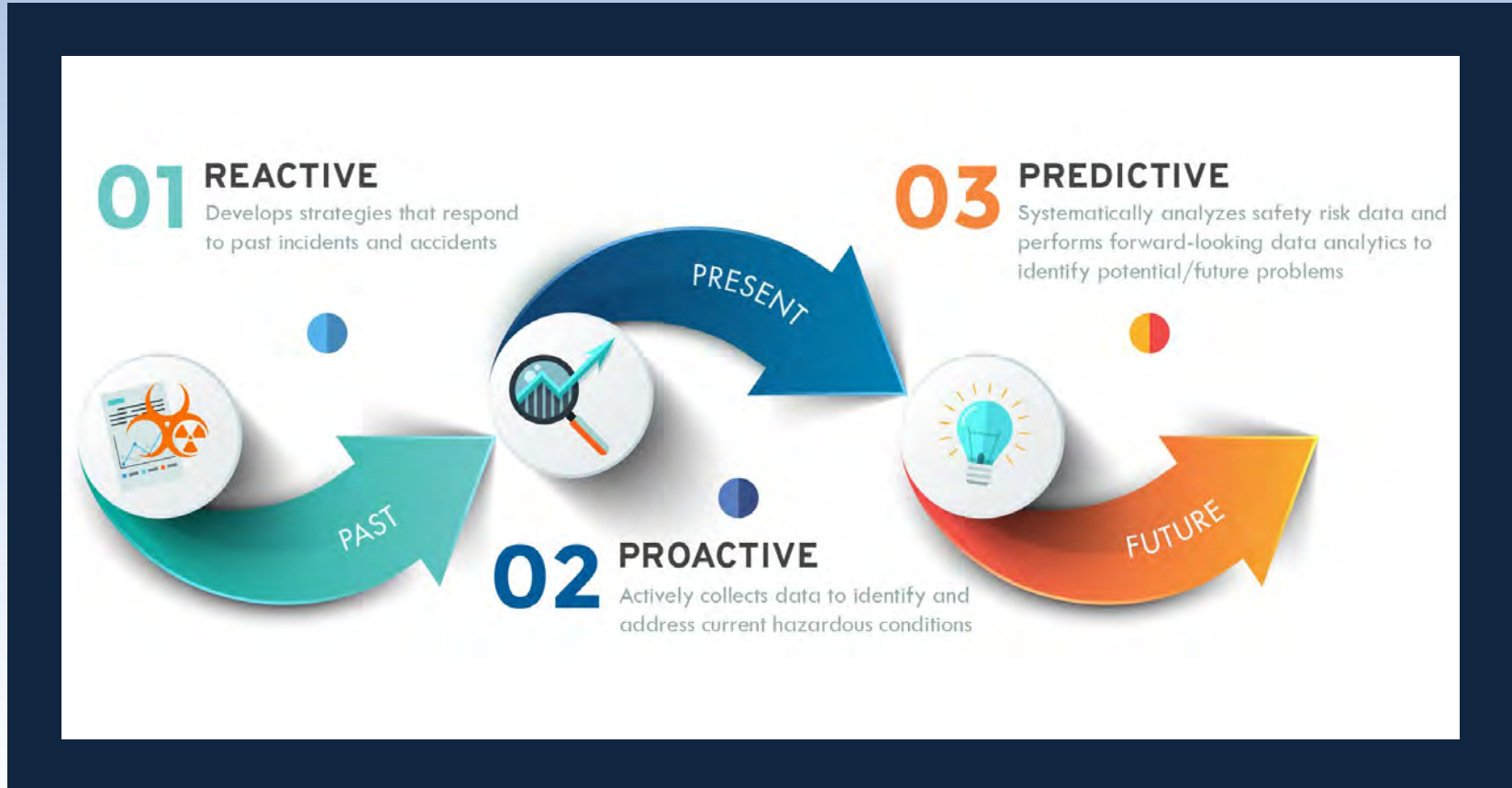


Reasons to Implement PSMS

- It makes good business sense
- Laws require companies to provide safe and reliable service at a reasonable cost
- Companies have the obligation to provide safe service



Where Will PSMS Take Us?



Reactive → Proactive → Predictive

