

PHMSA Pipeline Data Public Meeting

January 7 & 8, 2013

Washington DC

Public Use of Data

Presented by Carl Weimer
Executive Director, Pipeline Safety Trust



**Credible.
Independent.
In the public interest.**

Who is the public?



Really important data the public cares about

Washington Redskins vs Seattle Seahawks

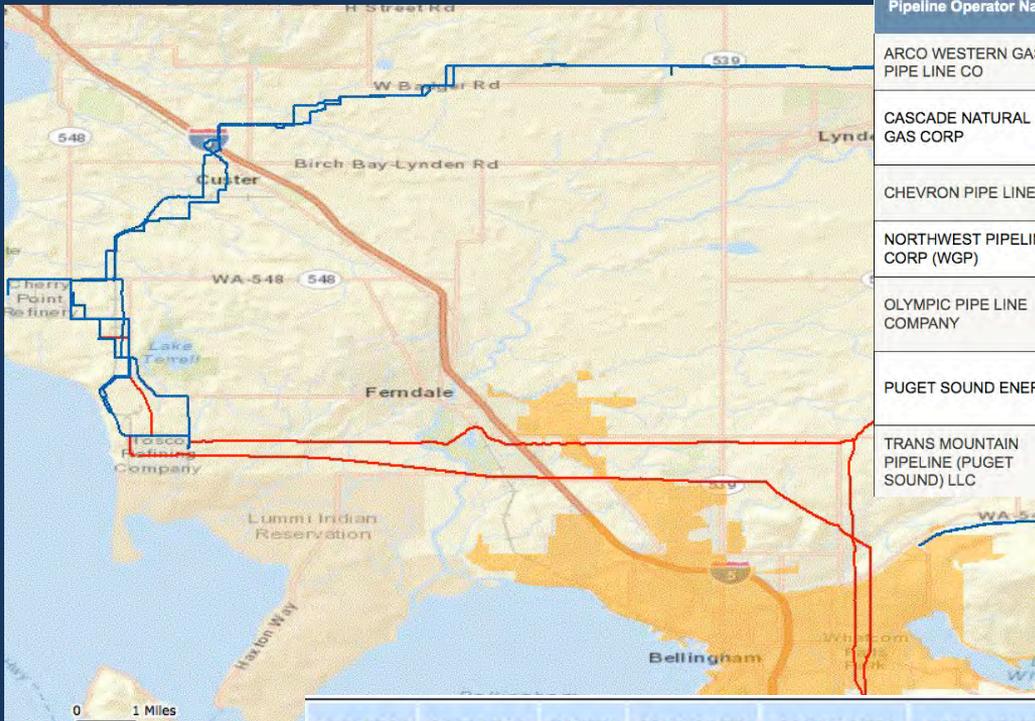
Jan 6 @Redskins	Q1	Q2	Q3	Q4	Total
 Seahawks	0	13	0	11	24
 Redskins	14	0	0	0	14

What are the different types of data the public is looking for?

- Pipeline location
- Pipeline attributes (contents, diameter, pressure, wall thickness, depth of cover, year installed)
- Incident data
- Inspection data
- Enforcement data
- Ownership data – pipelines operated, years, OP IDs
- Class area for natural gas pipelines, HCA info for all
- Health Related Data – general risks, monitoring data after a release

Use of Data by the Public

To learn the basic locations and attributes of pipelines in their communities



Pipeline Operator Name	Person To Contact	Entity To Contact	Contact Address	Phone / Fax / Email
ARCO WESTERN GAS PIPE LINE CO	Bobby Roye (Compliance Team Leader)		4502 E. 41st St., Suite 300, Tulsa, OK 74135	Phone: (800) 548-6482 Fax: Email: royebw@bp.com
CASCADE NATURAL GAS CORP	Tina Beach (Mgr. of Standards and Compliance)		8113 W. Grandridge Blvd., Kennewick, WA 99336	Phone: (509) 734-4576 Fax: Email: Tina.Beach@cngc.com
CHEVRON PIPE LINE CO		HES Department	4800 Fournace, Bellaire, TX 77401	Phone: (877) 596-2800 Fax: Email: GarySaenz@chevron.com
NORTHWEST PIPELINE CORP (WGP)	Matt Butler (Sr. GIS Specialist)		295 Chipeta Way, Salt Lake City, UT 84108	Phone: (801) 584-6578 Fax: Email: matt.butler@williams.com
OLYMPIC PIPE LINE COMPANY	Mike Scurlock (S&I Team Leader)		MC 5W 28100 Torck Parkway, Warrenville, IL 60555	Phone: (630) 836-3514 Fax: (630) 836-3586 Email: scurlomw@bp.com
PUGET SOUND ENERGY	Cheryl McGrath (Mgr Compliance & Reg Audits - Gas)		355 110th Ave NE, Bellevue, WA 98004	Phone: (425) 462-3207 Fax: Email: cheryl.mcgrath@pse.com
TRANS MOUNTAIN PIPELINE (PUGET SOUND) LLC	Patrick Davis (Operations Supervisor)		1009 East road., Bellingham, WA 98226	Phone: (360) 398-1541 Fax: Email: patrick_davis@kindermorgan.com

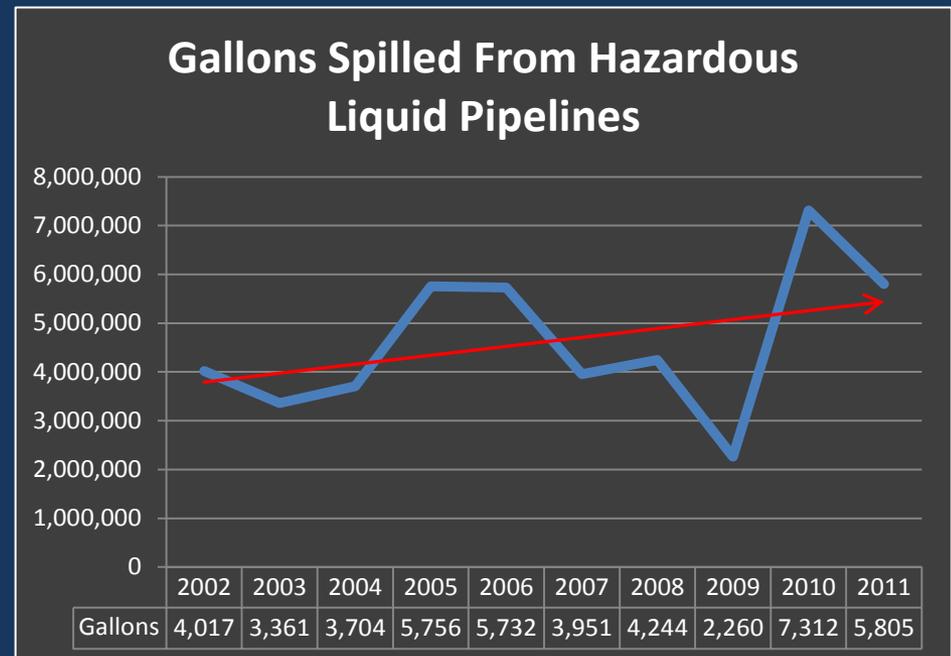
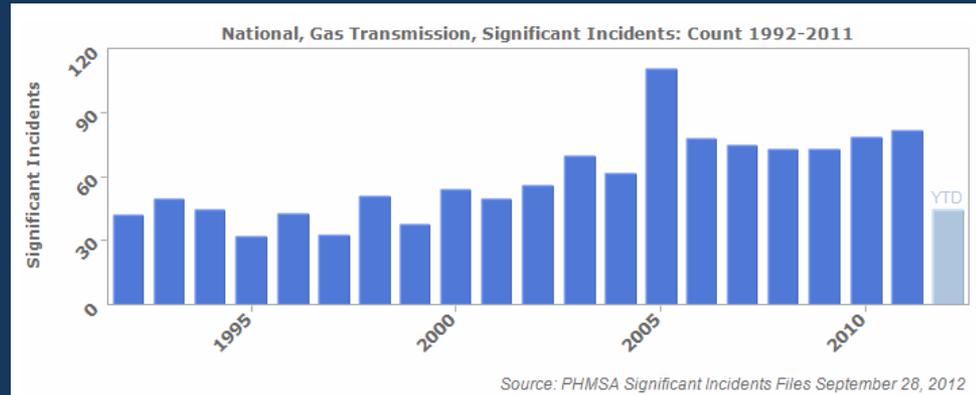
OPERATOR ID	OPERATOR NAME	SYSTEM NAME	COMMODITY CATEGORY	COMMODITY DESCRIPTION	INTERSTATE DESIGNATION	PIPELINE STATUS CODE	PERSON TO CONTACT	ENTITY TO CONTACT	CONTACT ADDRESS	PHONE/FAX/EMAIL
30781	OLYMPIC PIPE LINE COMPANY	OLYMPIC PIPELINE	Non-HVL Product		Y	In Service	Mike Scurlock(S&I Team Leader)		MC 5W,28100 Torck Parkway, Warrenville IL 60555	Phone: (630) 836-3514 Fax: (630) 836-3586 Email: scurlomw@bp.com

Use of Data by the Public

To assess the risks of pipelines in general

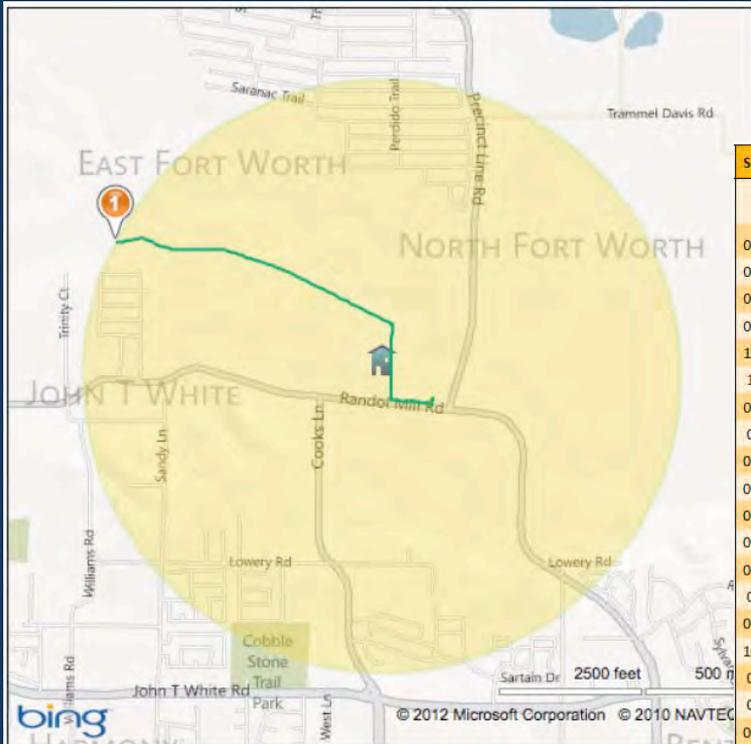
**National Gas Transmission: Significant Incidents
Summary Statistics: 1992-2011**

Year	Number	Fatalities	Injuries	Property Damage (A) (C)
1992	42	3	14	\$33,525,825
1993	50	1	16	\$31,188,989
1994	45	0	22	\$60,666,127
1995	32	2	7	\$12,847,994
1996	43	1	5	\$16,286,936
1997	33	1	5	\$14,016,230
1998	51	1	11	\$53,102,657
1999	38	2	8	\$22,071,443
2000	54	15	16	\$20,451,983
2001	50	2	5	\$15,883,055
2002	56	1	4	\$31,222,403
2003	70	1	8	\$54,341,452
2004	62	0	2	\$37,417,984
2005	111	0	5	\$333,389,885
2006	78	3	3	\$39,135,164
2007	75	2	7	\$57,604,379
2008	73	0	5	\$258,548,813
2009	73	0	11	\$54,941,702
2010	79	10	61	\$407,741,262
2011	82	0	1	\$93,429,091
Totals	1,197	45	216	\$1,647,813,382
2012 YTD	45	0	7	\$44,446,973
3 Year Average (2009-2011)	78	3	24	\$185,370,685
5 Year Average (2007-2011)	76	2	17	\$174,453,050
10 Year Average (2002-2011)	76	2	11	\$136,777,214
20 Year Average (1992-2011)	60	2	11	\$82,390,669



Use of Data by the Public

To assess the risk of pipelines to where they live and work



Pipeline 1

Operator: Enterprise Products Operating LLC
 Line Name: Precinct Line Road to Alliance 30" Lateral
 Pipe Diameter (inches): 30
 Product Type: NG

Significant Incidents on Utah All Pipeline Systems: 2001-2011

Date	City	Operator	Cause	Fatalities	Injuries	Property Damage
01/12/2002		GIANT PIPELINE CO	MAT'L/WELD/EQUIP FAILURE	0	0	\$6,188
02/06/2002	SALT LAKE CITY	CHEVRON PIPELINE CO	CORROSION	0	0	\$325,688
02/09/2002	PAYSON	QUESTAR GAS COMPANY	EXCAVATION DAMAGE	0	0	\$672,409
05/22/2002	FORT DUCHESNE	QUESTAR GAS COMPANY	OTHER OUTSIDE FORCE DAMAGE	0	0	\$112,475
11/02/2002	CORINNE	CHEVRON PIPELINE CO	CORROSION	0	0	\$305,640
11/29/2003	GARLAND	QUESTAR GAS COMPANY	OTHER OUTSIDE FORCE DAMAGE	0	2	\$122,698
02/21/2004	MAPLETON	QUESTAR GAS COMPANY	NATURAL FORCE DAMAGE	0	0	\$119,570
06/14/2004	MURRAY	QUESTAR GAS COMPANY	OTHER OUTSIDE FORCE DAMAGE	0	1	\$896,951
08/25/2004	PARK CITY	CHEVRON PIPE LINE CO	EXCAVATION DAMAGE	0	0	\$452,969
02/18/2006	SOUTH WEBER	QUESTAR GAS COMPANY	ALL OTHER CAUSES	0	0	\$481,302
03/24/2006	PARK CITY	QUESTAR GAS COMPANY	NATURAL FORCE DAMAGE	0	0	\$112,301
02/06/2007	SARATOGA SPRINGS	QUESTAR GAS COMPANY	EXCAVATION DAMAGE	2	0	\$223,691
03/14/2007	EVANSTON	ROCKY MOUNTAIN PIPELINE	MAT'L/WELD/EQUIP FAILURE	0	0	\$50,001
04/08/2007	PRICE	QUESTAR PIPELINE COMPANY	MAT'L/WELD/EQUIP FAILURE	0	0	\$79,062
06/16/2007	MONTEZUMA CREEK	RUNNING HORSE PIPELINE	MAT'L/WELD/EQUIP FAILURE	0	0	\$259,502
10/09/2007	MURRAY	QUESTAR GAS COMPANY	EXCAVATION DAMAGE	0	0	\$546,734
03/16/2008	MAGNA	QUESTAR GAS COMPANY	OTHER OUTSIDE FORCE DAMAGE	0	1	\$9,587
04/13/2008	WASHINGTON	QUESTAR GAS COMPANY	OTHER OUTSIDE FORCE DAMAGE	0	0	\$157,901
08/07/2008	SALT LAKE CITY	QUESTAR GAS COMPANY	INCORRECT OPERATION	0	1	\$0
01/07/2009		CHEVRON PIPE LINE CO	MAT'L/WELD/EQUIP FAILURE	0	0	\$1,576,179
06/01/2009	WEST VALLEY CITY	QUESTAR GAS COMPANY	OTHER OUTSIDE FORCE DAMAGE	0	2	\$10,939
12/17/2009	CORINNE	CHEVRON PIPE LINE CO	MAT'L/WELD/EQUIP FAILURE	0	0	\$517,226
06/12/2010	SALT LAKE CITY	CHEVRON PIPE LINE CO	OTHER OUTSIDE FORCE DAMAGE	0	0	\$32,233,740*
12/01/2010	SALT LAKE CITY	CHEVRON PIPE LINE CO	INCORRECT OPERATION	0	0	\$14,509,357
12/10/2011	NEAREST TOWN IS HYRUM	COLORADO INTERSTATE GAS	ALL OTHER CAUSES	0	0	\$2,278,500
Totals				2	7	\$56,060,610

Use of Data by the Public

To assess how safely particular companies operate

ENBRIDGE ENERGY, LIMITED PARTNERSHIP All Incidents, Hazardous Liquid Pipeline Systems⁽³⁾: 2006-2012

Year	Number	Fatalities	Injuries	Property Damage ^(A)	Gross Barrels Spilled (Haz Liq) (H)	Net
2006	6	0	0	\$238,680	32	
2007	13	2	0	\$8,019,624	6,644	
2008	7	0	0	\$377,222	396	
2009	14	0	0	\$513,556	182	
2010	14	0	0	\$779,574,167	31,577	
2011	6	0	0	\$629,447	424	
2012 YTD	10	2	3	\$14,689,478	2,751	
Totals	70	4	3	\$804,042,174	42,008	

MARATHON PIPE LINE LLC Federal Inspections All Pipeline Systems⁽¹⁾ Start Year : 2006-2012

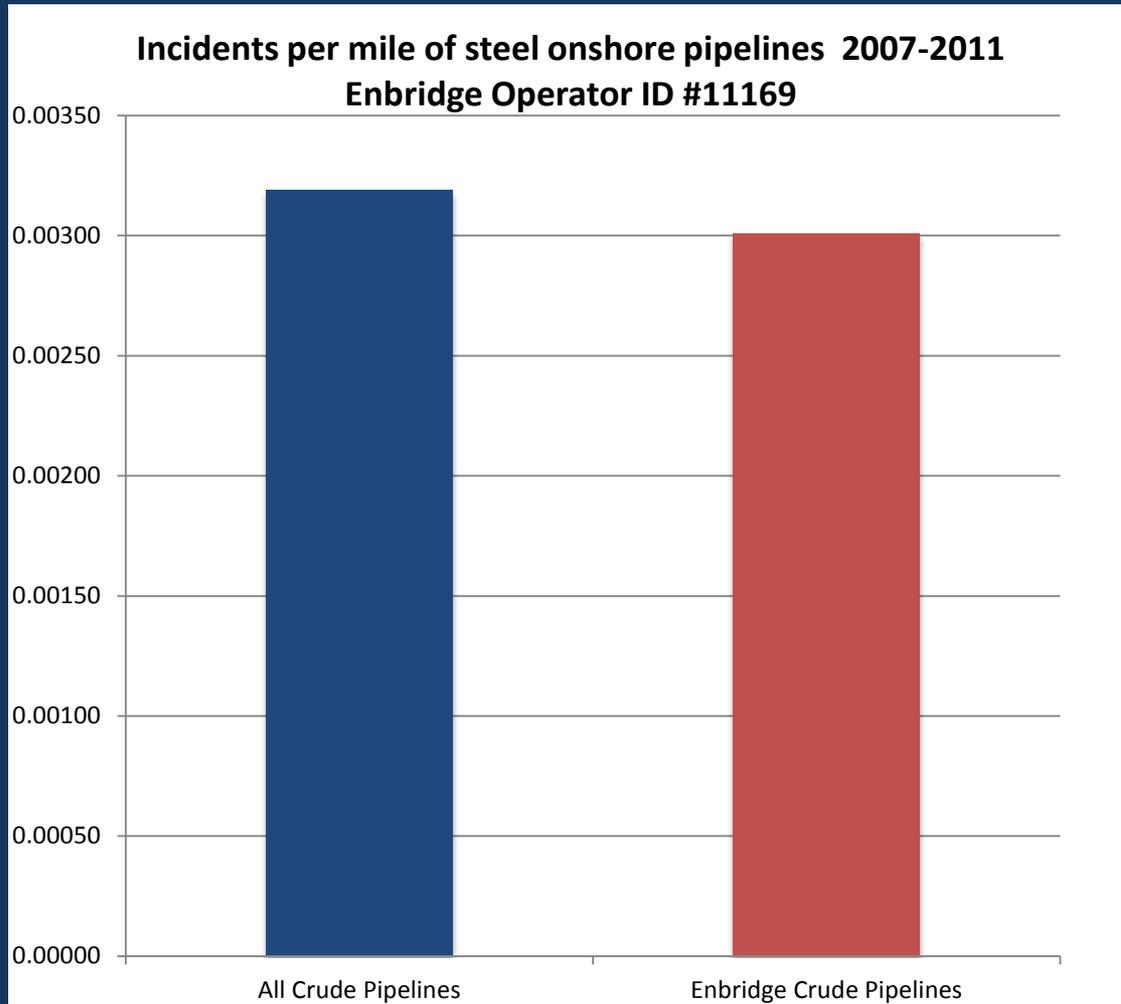
	2011 YTD	2010	2009	2008	2007	2006	Total
Site-Specific Field Inspection							
Number	0	12	3	17	4	0	55
Days On-Site	0	59	24	66	10	0	229
System-Wide Program Inspection							
Number	0	2	0	3	0	2	9
Days On-Site	0	13	0	13	0	14	67
Targeted Inspection/Investigation							
Number	0	3	2	2	1	0	8
Days On-Site	0	5	0	10	9	0	24

SHELL PIPELINE CO., L.P. Federal Enforcement Cases All Pipeline Systems⁽¹⁾ : 2006-2012

	2011 YTD	2010	2009	2008	2007	2006	Total
Cases Initiated	3	1	2	0	1	2	9
Cases Resolved	4	1	0	0	3	0	8
Penalties Proposed	0	0	18,800	0	0	0	18,800
Corrective Action Orders Issued	1	0	1	0	0	0	2

Use of Data by the Public

To assess how safely particular companies operate



Use of Data by the Public

To assess how safely particular companies operate

Operator	Gas Transmission Miles	Incidents 2006 - 2011	Incidents / mile of pipe	Property Damage / mile of pipe
Alliance Pipeline Totals	884	0	0.00000	\$0
Boardwalk Pipelines Totals	13185	35	0.00265	\$2,709
Centerpoint Energy Totals	8,289	54	0.00651	\$1,338
Dominion Transmission Totals	4,642	11	0.00237	\$381
El Paso Totals	32,532	80	0.00246	\$2,577
Enbridge Totals	2161	7	0.00324	\$2,093
Energy Transfer Partners Totals	8945	11	0.00125	\$721
Kinder Morgan Energy Partners Totals	22046	30	0.00136	\$347
National Fuel Gas Supply Corporation Totals	1805	2	0.00111	\$86
National Grid Totals	203	0	0.00000	\$0
NiSource Totals	16388	49	0.00299	\$5,939
ONEOK, Inc Totals	9366	22	0.00235	\$640
Sempra Energy Totals	4311	9	0.00209	\$372
Southern Union Company Totals	15551	40	0.00257	\$6,887
Spectra Energy Totals	12621	16	0.00127	\$398
TransCanada Corporation Totals	15752	46	0.00292	\$2,153
Williams Totals	16135	31	0.00192	\$933

Use of Data by the Public

To assess how well regulators are doing their jobs

Public Transparency by State Pipeline Safety Agencies & PHMSA - website review updated 2/1/12

	Contact Info for Agency Staff	Incident Data	Enforcement Records	Inspection Records	Transmission Pipeline Maps	Excavation Damage Data	Pipeline Company Contact Info	Easy to Access Regulations	Totals (avg)
Washington	3	3	3	3	3	3	3	3	3
Arkansas	3	3	3	3	3	3	3	2	2.875
PHMSA	3	3	3	3	3	2	1	3	2.625
Minnesota	3	3	3	0	2	2	3	3	2.375
South Dakota	3	2	2	0	2	1	3	3	2
West Virginia	3	3	1	0	3	0	3	2	1.875
Kentucky	3	1	1	1	3	0	2	3	1.75
Texas	3	3	0	0	1	1	3	3	1.75
Michigan	3	0	2	0	3	0	3	2	1.625
New York	2	2	2	0	0	0	3	3	1.5
Utah	3	2	2	0	0	0	2	3	1.5
Idaho	2	0	0	0	3	0	3	3	1.375
Massachusetts	3	3	2	0	0	0	0	2	1.25
Vermont	3	0	0	0	0	1	3	3	1.25

Use of Data by the Public

To assess how well regulators are doing their jobs

Year	Probable Violations Found	Compliance Actions	Number of Penalties Assessed	Fines Assessed
Utah Division of Public Utilities				
2001	526	21	0	\$0
2002	624	0	0	\$0
2003	560	10	0	\$0
2004	266	36	0	\$0
2005	311	27	0	\$0
2006	89	22	0	\$0
2007	83	1	1	\$0
2008	45	0	0	\$0
2009	45	1	1	\$2,500
2010	69	0	0	\$0
Totals	2618	118	2	\$2,500
Washington Utilities and Transportation Commission				
2001	251	50	0	\$0
2002	90	37	1	\$50,000
2003	12	0	2	\$90,000
2004	45	0	0	\$0
2005	45	5	5	\$755,000
2006	64	2	0	\$0
2007	77	4	0	\$0
2008	154	5	1	\$1,250,000
2009	90	1	0	\$0
2010	35	0	0	\$0
Totals	863	104	9	\$2,145,000

Use of Data by the Public

To assess the safety of proposed pipelines

Proposal Says

“we will have a state of the art leak detection system capable of finding a leak within minutes”



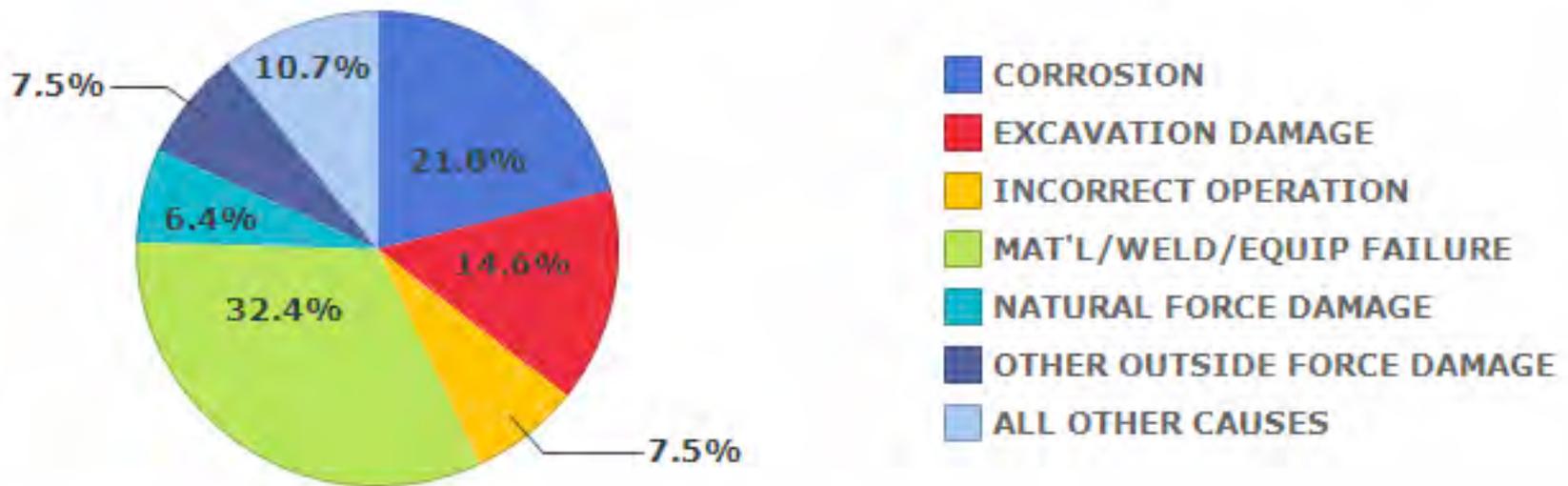
PHMSA Draft Leak Detection Report Says

1. The pipeline controller/control room identified a release occurred around 17% of the time.
2. Air patrols, operator ground crew and contractors were more likely to identify a release than the pipeline controller/control room.
3. An emergency responder or a member of the public was more likely to identify a release than air patrols, operator ground crew and contractors.

Use of Data by the Public

To identify major threats and see if regulations are properly targeted

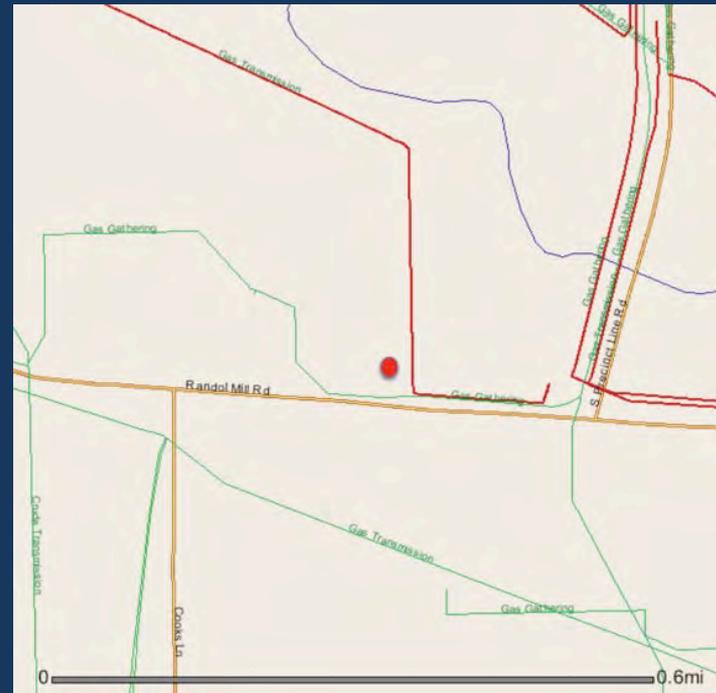
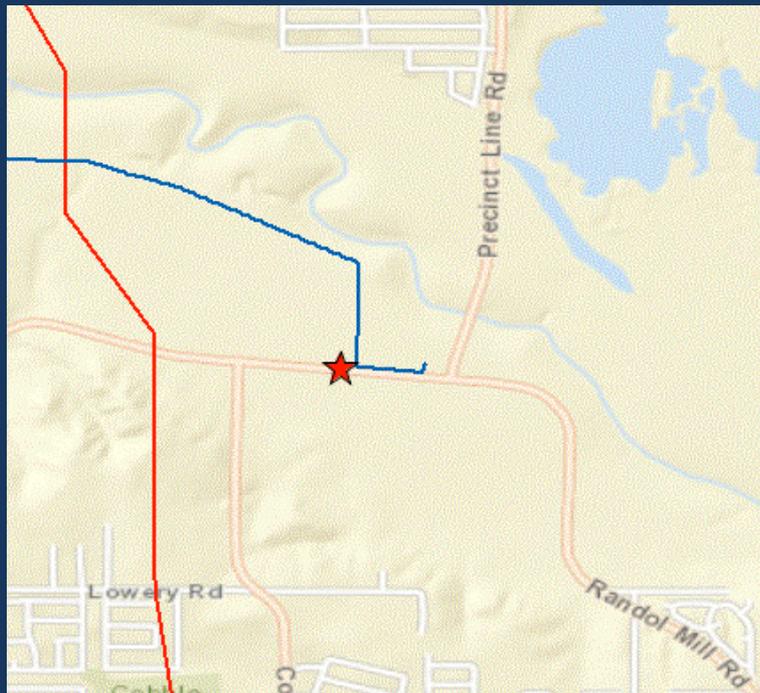
Significant Incident Cause Breakdown
National, All Pipeline Systems, 2011



Source: PHMSA Significant Incidents Files September 28, 2012

Why there is so much frustration over the available data?

- The data is hard to find and manipulate
- There are various sources where the data conflicts
- Some of the data is obviously wrong



Why there is so much frustration over the available data?

- The data changes, sometimes dramatically, with no explanation
- Changes in ownership and operators is impossible to track
- Multiple reporting forms that have changed over time leading to different databases that are hard to merge
- FOIA process is viewed as a cruel joke
- Explanations regarding security sensitive data and proprietary information are not always credible

Why there is so much frustration over data not available?

- People are surprised to learn that industry controls a good deal of important data, and that PHMSA doesn't have the data
 - # of river crossings
 - depth of cover on river crossings
 - info on anomalies found
 - specifics on product in pipelines
 - pipeline specific HCA determinations
- Little data available related to spill response readiness and training, emergency response readiness and training, toxic monitoring at spill sites.