



# Connecticut Department of Energy and Environmental Protection



Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

# State Presentation - Connecticut

October 19, 2016

Karl Baker

2016 Pipeline Safety Seminar

Portland, ME



Connecticut Department of Energy and Environmental Protection

# Personnel

- Program Manager – Karl Baker – 23 years
- Engineer 3 – Bruce Benson – 19 years
- Engineer 3 – Daniel Nivison – 18 years
- Engineer 2 – John DePaolo – 6 years
- Engineer 1 – Daniel Tomasino – 3 years
- Engineer 1 – Kevin Dowling – 2 years



# Cast Iron & Unprotected Steel

Start of Year	Cast Iron Main	Unprotected Bare or Coated Steel Main	Unprotected Bare or Coated Steel Services
	Miles	Miles	Quantity
2011	1509	250	77404
2012	1467	236	73160
2013	1426	221	69731
2014	1381	218	60929
2015	1349	205	58683
Mains – 20% leak prone		Services – 15% leak prone	



# Accelerated Infrastructure Replacement

- Yankee Gas – last rate case – 20 year program
- CNG – last rate case – 20 year program – tracker mechanism
- SCG – merger agreement – 61 years down to 31 years
- Norwich – municipal –  $\approx 14$  years to go



# Civil Penalties

<b>Year</b>	<b>Number Assessed</b>	<b>Dollars Assessed</b>	<b>Number Collected</b>	<b>Dollars Collected</b>
<b>2011</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>
<b>2012</b>	<b>3</b>	<b>\$105,000</b>	<b>2</b>	<b>\$75,000</b>
<b>2013</b>	<b>10</b>	<b>\$292,000</b>	<b>11</b>	<b>\$309,479</b>
<b>2014</b>	<b>3</b>	<b>\$31,500</b>	<b>2</b>	<b>\$19,021</b>
<b>2015</b>	<b>16</b>	<b>\$447,250</b>	<b>16</b>	<b>\$462,250</b>
<b>2016 to date</b>	<b>6</b>	<b>\$102,000</b>	<b>7</b>	<b>\$112,000</b>



# Recent Civil Penalties

- \$10,000 – inadequate electrofusion scraping



# Recent Civil Penalties

- \$10,000 – not OQ'ed for taping
- \$50,000 – not qualified or OQ'ed for joining





# Recent Civil Penalties

– \$25,000 – trenchless excavation violation



# Recent Civil Penalties

- \$10,000 – failure to pressure test entire service



# Recent Civil Penalties

– \$75,000 – overpressurization



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# Recent Civil Penalties

- \$60,000 – bad plastic fusions/broken joining machine



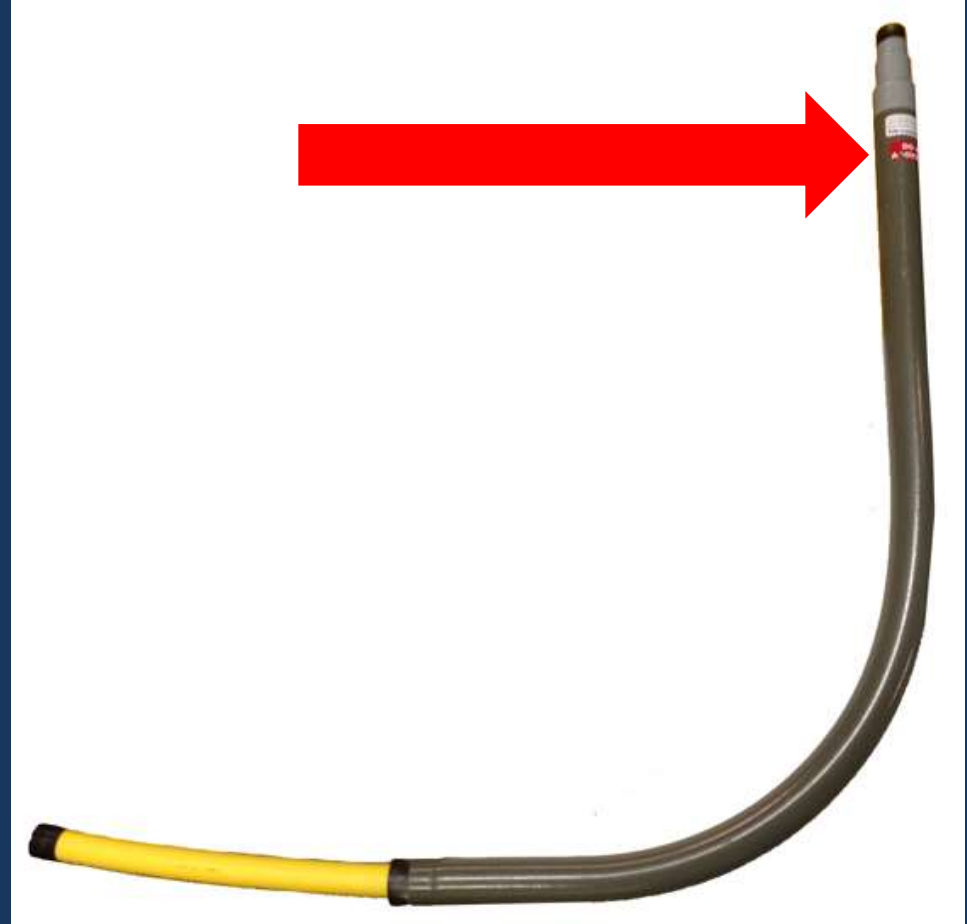
# Recent Civil Penalties

- \$10,000 – service installed without 12" clearance



# Recent Civil Penalties

– \$10,000 – improper riser installations



# Recent Civil Penalties

– \$10,000 – no split sleeve



# Recent Civil Penalties

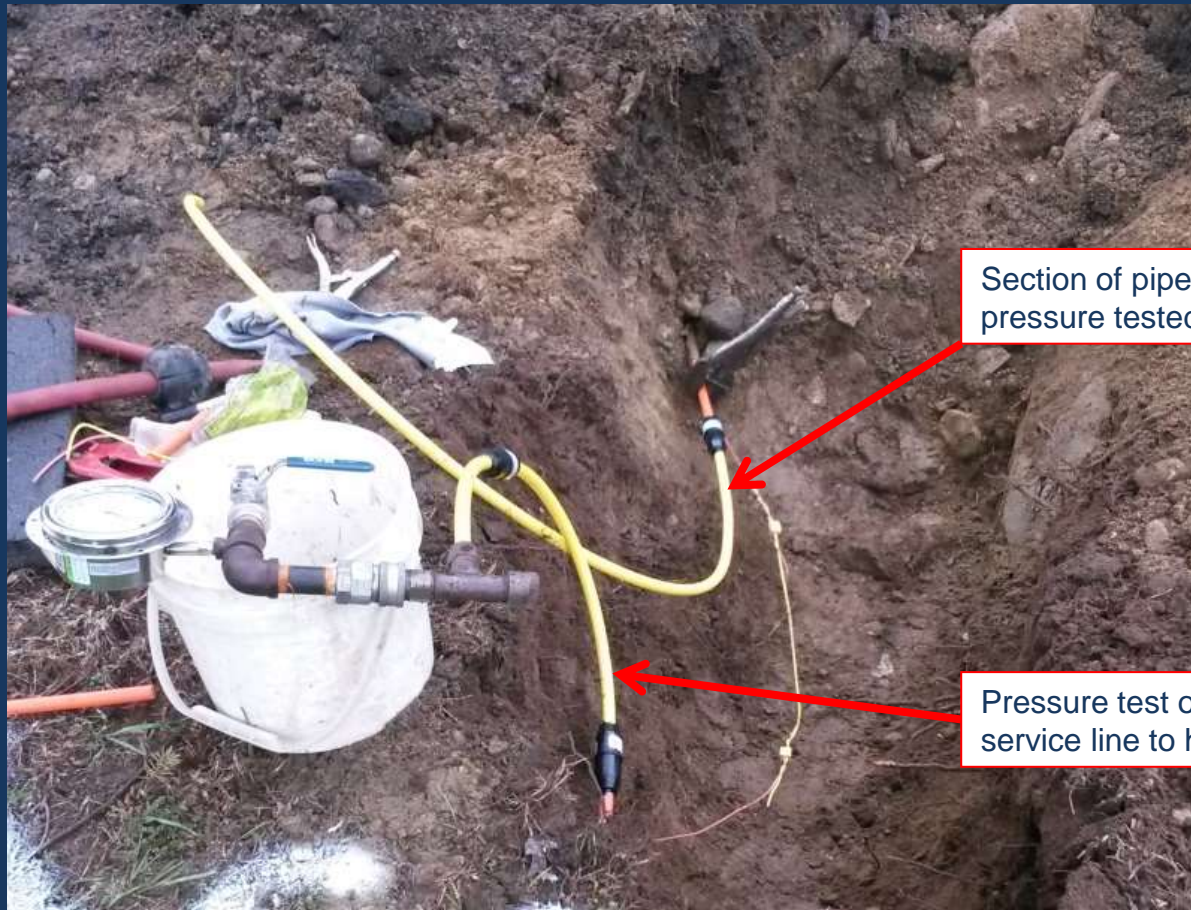
- \$10,000 – tracer wire touching plastic pipe





# Recent Civil Penalties

- \$15,000 – failure to pressure test entire service



# Recent Civil Penalties

– \$7,000 – propane field installation violations



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# Recent Civil Penalties

- \$50,000 – inadequate emergency response



# Recent Civil Penalties

- \$26,200 – Interstate – unqualified welders



# Recent Civil Penalties

- \$11,500 – Interstate - didn't assess pipe as required by IMP – under appeal



# Field Observations

## – Use of calibrated equipment

- Gauges
- CGIs
- Half-cells, multimeters
- Odorometer/Odorator
- Torque wrenches



# One-Call

Year	Total Locate Requests	Total Damages per 1,000 Locates	Total Gas Damages per 1,000 Locates	Total Gas Damages due to Utility Error per 1,000 Locates	Total Fines Collected
2011	168,467	2.84	1.3	0.3	\$160,500
2012	173,000	3.03	1.6	0.6	\$156,000
2013	182,177	3.11	1.6	0.4	\$117,000
2014	189,366	2.86	1.5	0.4	\$110,350
2015	201,945	2.92	1.4	0.4	\$134,100



# Damage Prevention

- One-Call Law Changes
  - New regulations effective 8/2/2016
  - Highlights:
    - Areas of continual excavation
    - Soft digging
    - Trenchless excavation expanded requirements
    - Mandatory call to 911
    - Civil penalty for tampering - \$40,000
    - New markout standards





# Propane

- Jurisdictional propane operators – 26
- Jurisdictional systems -  $\approx 350$
- We have inspected every known operator
  - Please let us know if someone is out there that we do not know about
- We are not going to be your code compliance department!



# Incidents

NONE!



# Questions?

Karl Baker

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