

October 21, 2015
Bruce Benson
2015 Pipeline Safety Seminar
Mt Snow, VT

Connecticut Department of Energy and Environmental Protection



Personnel

- Program Manager – Karl Baker – 22 years
- Engineer 3 – Bruce Benson – 18 years
- Engineer 3 – Daniel Nivison – 17 years
- Engineer 2 – John DePaolo – 5 years
- Engineer 1 – Daniel Tomasino – 2 years
- Engineer Intern – Kevin Dowling – 1 year
- Damage Prevention Inspector – Joseph Gallo – 16 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
2010	1542	265	80732
2011	1509	250	77404
2012	1467	236	73160
2013	1426	221	69731
2014	1381	218	60929
Mains – 20% leak prone		Services – 15% leak prone	



Accelerated Infrastructure Replacement

- Yankee Gas – last rate case – 67 years down to less than 20 years
- Norwich – municipal – 23 years heading down to less than 15 years
- CNG – last rate case – 31 years down to less than 20 years – tracker mechanism
- SCG – Proposed – 61 years down to 31 years



Grade 3 Leaks

- Tackling growing Class 3 leak back log
 - Significant portion of Grade 3 leaks are on modern materials
 - Leak-prone pipe – handled through replacement
 - Modern materials – set time frame for repairs



Comprehensive Energy Strategy

- Major Natural Gas Expansion
 - Mid 1800's to 2013 – 500,000 customers
 - 2014 to 2023 – add 280,000 customers
 - Between replacement and expansion – substantial new construction – new contractors from out-of-state
- Concerns about workforce availability



Civil Penalties

Year	Number Assessed	Dollars Assessed	Number Collected	Dollars Collected
2010	0	\$0	0	\$0
2011	0	\$0	0	\$0
2012	3	\$105,000	2	\$75,000
2013	10	\$292,000	11	\$309,479
2014	3	\$31,500	2	\$6,500
2015 to date	7	\$196,000	5	\$221,000



Civil Penalties

- 2015 to date
 - \$25,000 – incorrect installation of split sleeves
 - \$12,000 – propane field installation violations
 - \$25,000 – incorrect coupling installation
 - \$50,000 – failure to comply with Authority Order
 - \$29,700 – clamps on plastic pipe
 - \$51,300 – clamps on plastic pipe
 - \$3,000 – propane field installation violations
 - \$1,250 – PPE issues



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
2008	160,074	4.15	1.7	0.5	\$264,500
2009	146,878	3.21	1.3	0.4	\$138,250
2010	170,895	3.53	1.6	0.4	\$14,500
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



Damage Prevention

- One-Call Law Changes
 - Submitted statutory changes in 2013
 - Approved 2014
 - Highlights:
 - Clean up of some old statutes
 - Minor revisions
 - New option for areas of continual excavation (e.g. cemeteries, quarries, landfills, etc.)
 - New regulations at Secretary of the State



Propane

- Continuing to locate new jurisdictional propane systems and their operators
 - 27 Companies, ~350 systems
- We are not going to be your code compliance department!



Incidents

NONE!



Top Safety Issues

- Construction
 - Added staff
 - Zero tolerance for violations – first problem = civil penalties
- Third party damage
 - Added staff
 - Streamlined enforcement process – penalties issued by GPSU, not lengthy commission process



Enforcement

- You have rules to follow – you must follow them
 - Your employees must do the job right the first time
 - You have inspectors
 - You have managers and supervisors
- We should NEVER be finding problems!



Questions?

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