



NEI - Buried Pipe Integrity Task Force

EPRI Buried Pipe Integrity Group Update

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Program Manager-Balance of Plant Corrosion

NRC/Industry Meeting on Buried Pipe
April 25th, 2013 White Flint, MD

EPRI Buried Pipe Integrity Group (BPIG)

- Buried Pipe Integrity Group (BPIG) formed in 2008
- Membership
 - All US Nuclear utilities
 - International members from Canada, France, U. K., Brazil, and Korea
- Provides:
 - Forum for program owners to discuss buried pipe issues and exchange experiences (OE Sharing)
 - Forum to obtain a consensus on industry issues and program practices
 - Technical support on buried pipe issues, as well as support for related products including BPWORKS™
 - Related training
 - Interface with Vendor Support
- Sponsor related R&D

EPRI Buried Pipe Integrity Group (BPIG)

- The industry is actively engaged:
 - Meeting attendance and participation is strong

	February	July	
2008	86	55	} Numbers do not include EPRI Staff
2009	76	70	
2010	134	149	
2011	174	165	
2012	166	131	
2013	128		

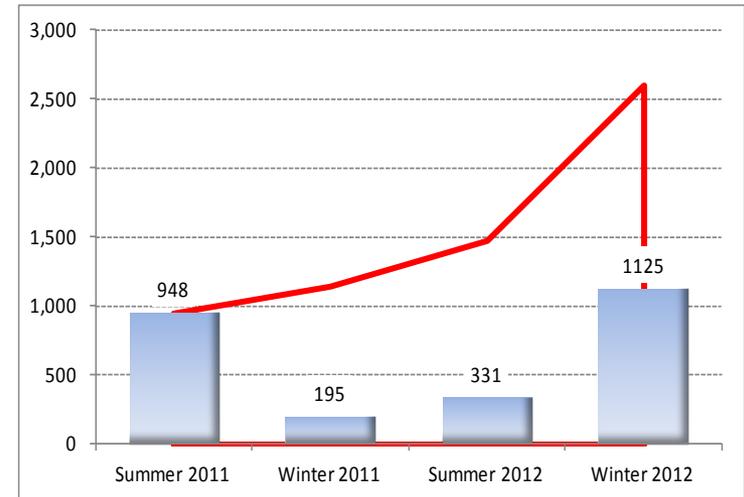
- Discussions have followed the phases of the Initiative
 - Early topics focused on programmatic issues
 - Current topics on implementation and inspection

EPRI Buried Pipe Integrity Group (BPIG)

- Highlights from the February 2013 Meeting:
 - NRC, NEI, INPO, ASME, NACE, and ANI Updates
 - Utility Round Robin-Attendees discuss issues and successes
 - Operating Experience presentations focused on inspection
 - 8 detailed experiences related to piping
 - 2 experiences related to tanks
 - NDE Technology Updates for piping and tanks
 - EPRI Project Updates
 - Fire testing of HDPE
 - Update to the Buried Pipe Reference Guide
 - Assessment Management Plan Guidance
 - Buried Pipe Lessons Learned
 - Buried Pipe Inspection Results Database (BPIRD)

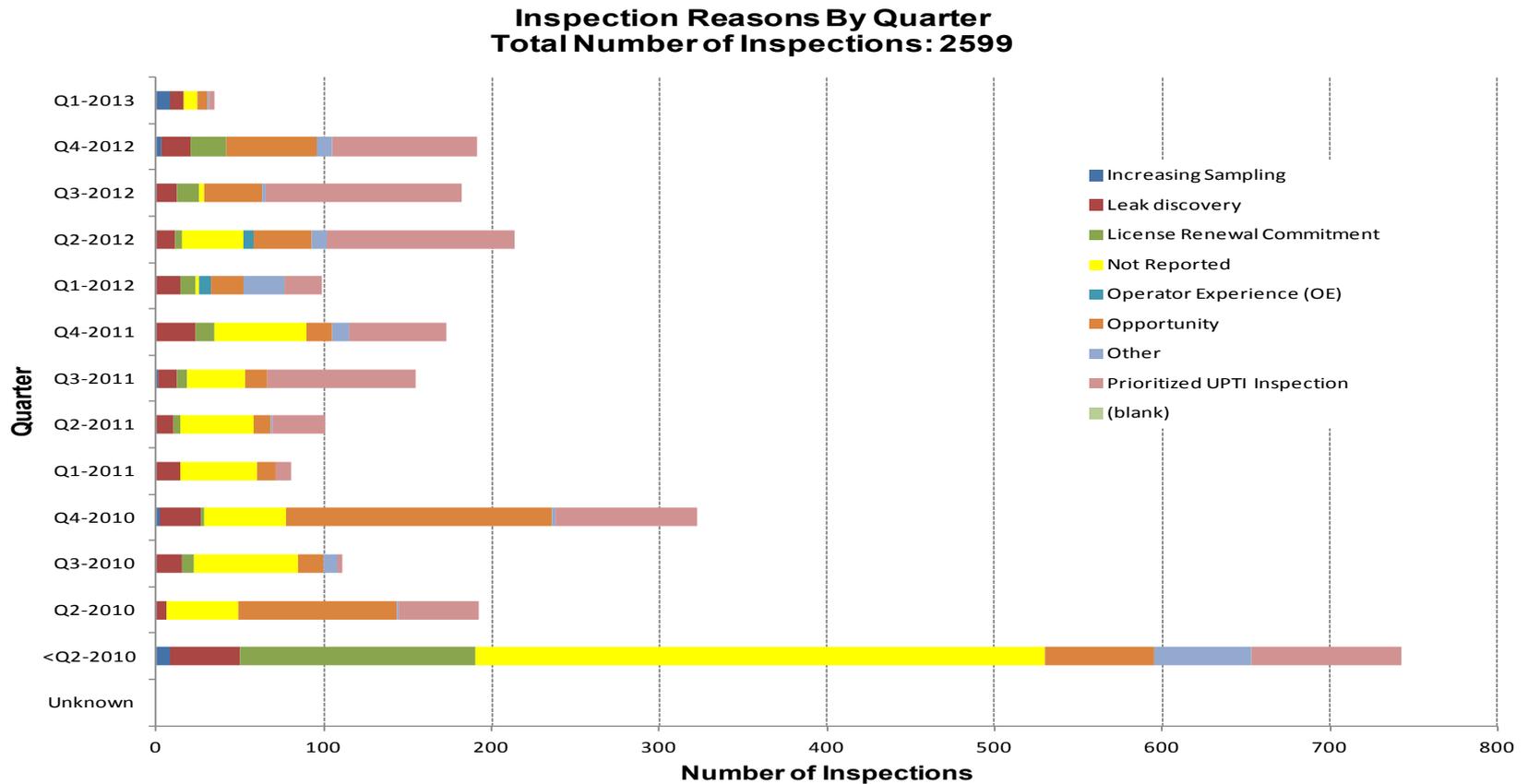
Buried Pipe Inspection Results Database

- Developed to compile and share inspection results
 - Good data as well as bad data
 - Help determine where to inspect
 - May provide basis for optimized inspections
- NEI 09-14 requirement for reporting results
 - Updates provided at BPIG meetings
- Results to date (February 2013)
 - Total of 2599 inspection records



2013 BPIRD Charts

- Reasons for Inspection:

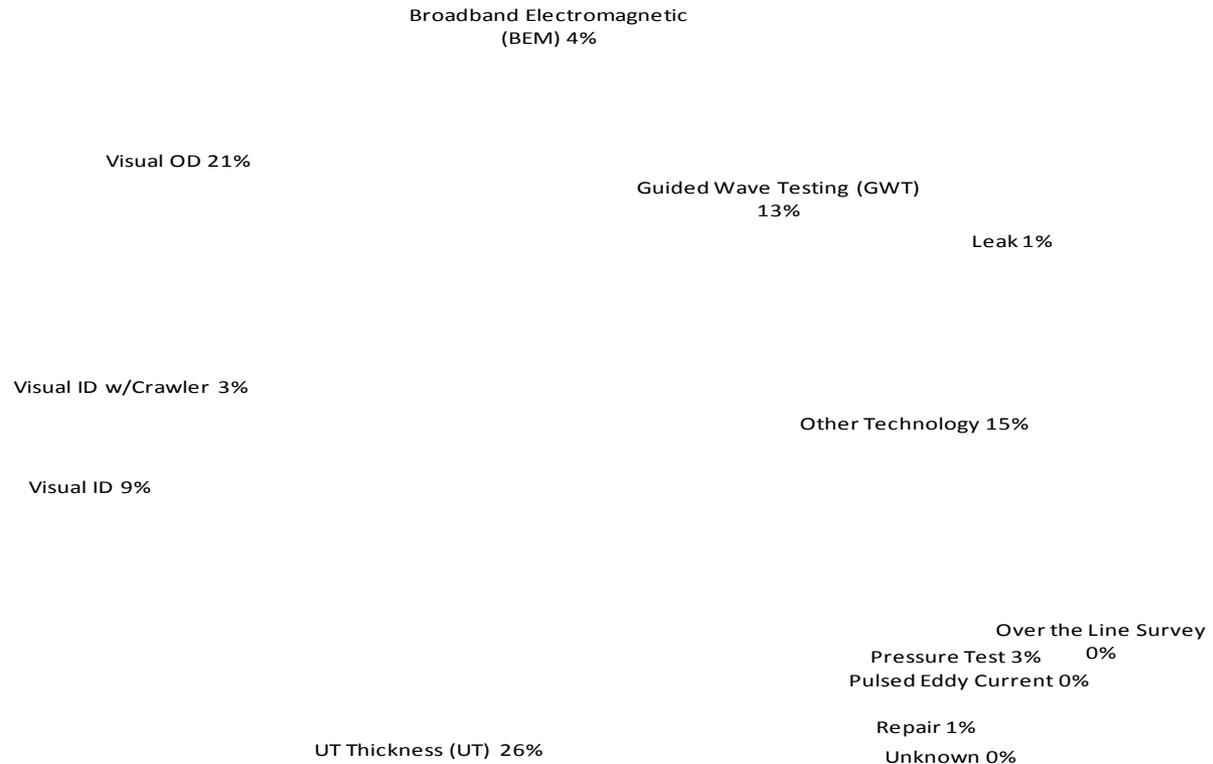


2013 BPIRD Charts (continued)

- Inspection Method:

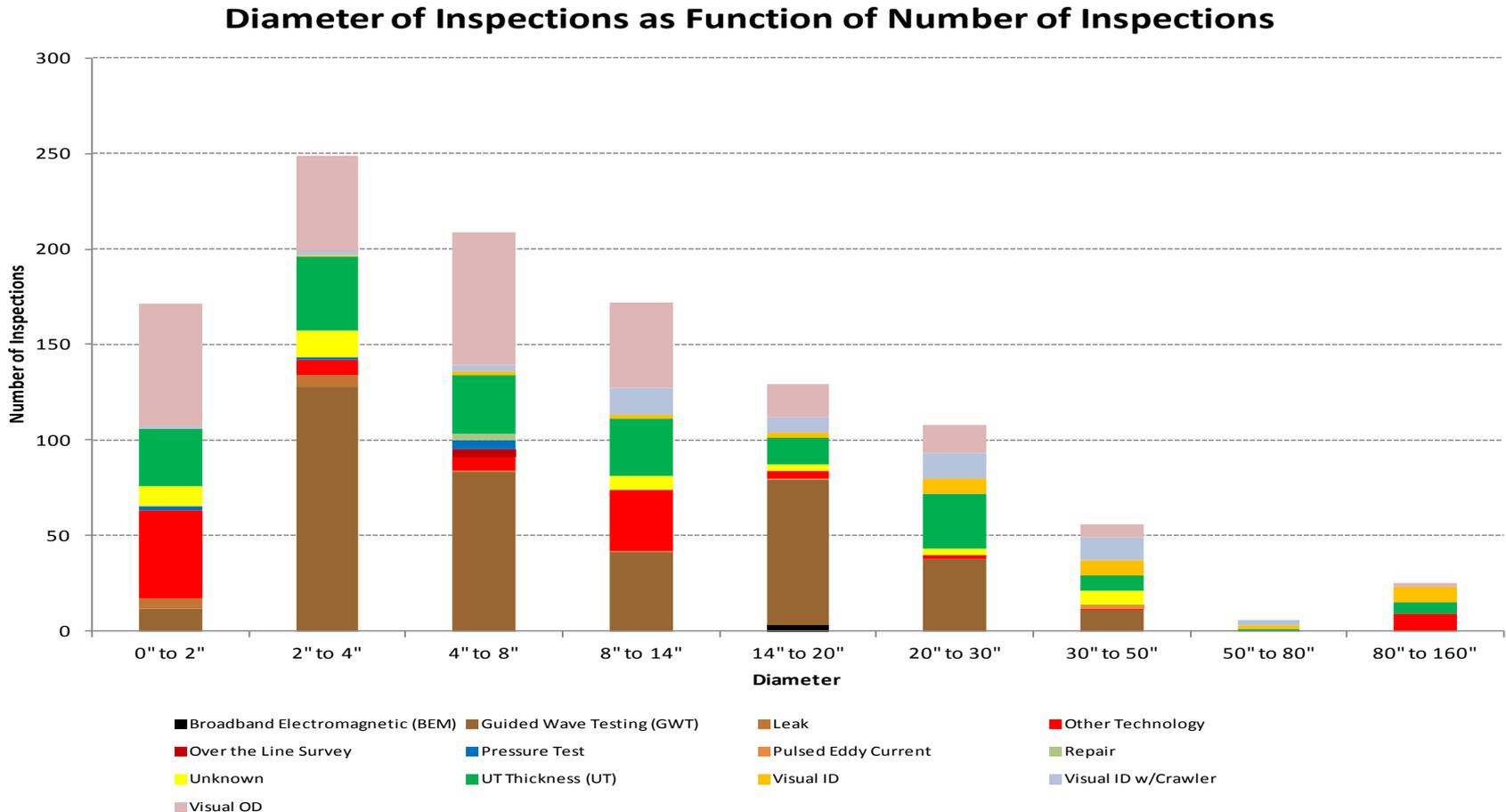
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Inspection Method % by Number of Inspections



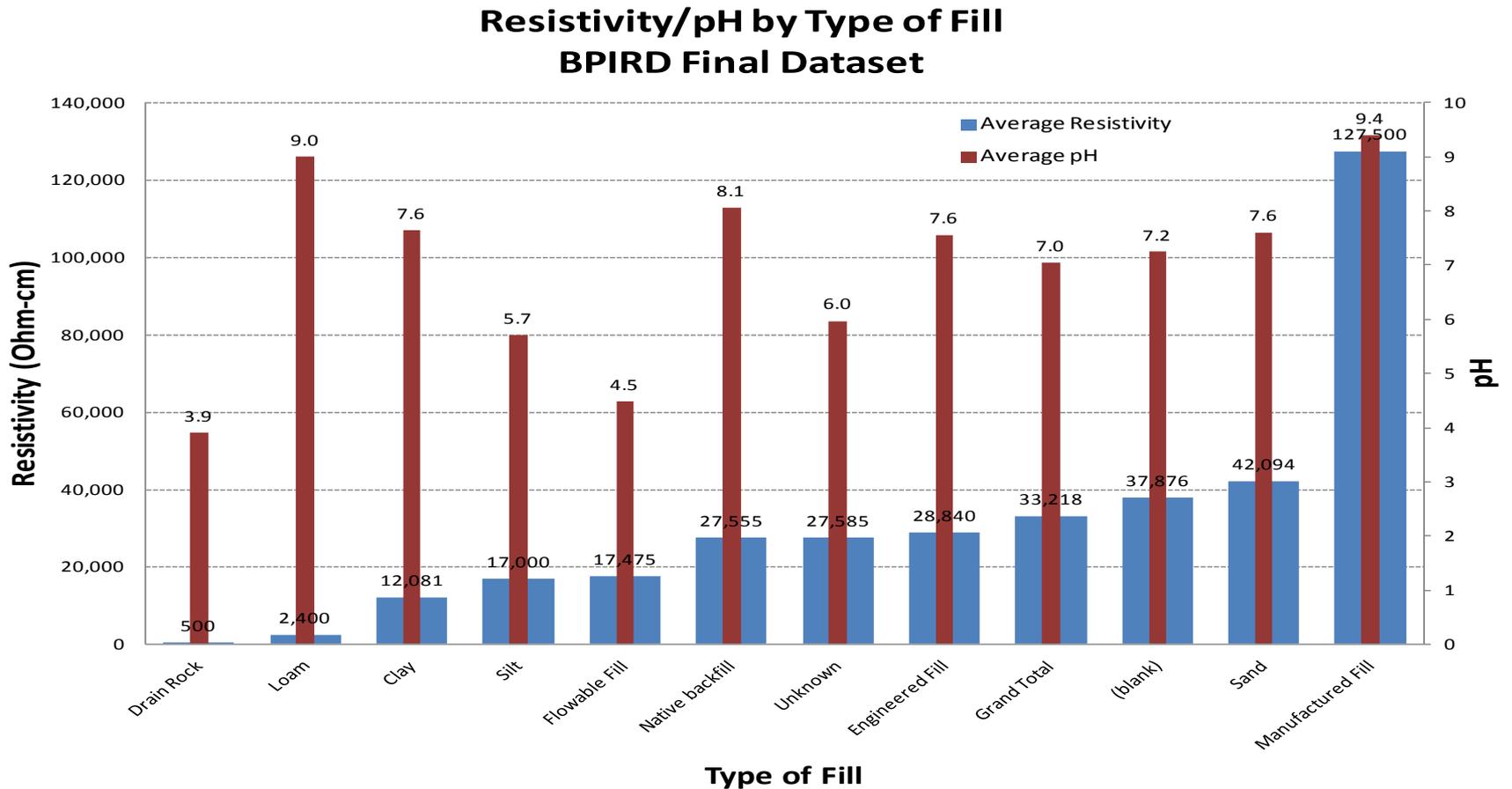
2013 BPIRD Charts (continued)

- Diameters of Pipe Inspected:



2013 BPIRD Charts (continued)

- Resistivity/pH by Fill Type:



EPRI's Cathodic Protection User Group (CPUG)

- CPUG was formed in 2011
 - Forum for program owners to discuss CP issues and exchange experiences (OE Sharing)
 - Obtain a consensus on industry issues and program practices
 - Interface with Vendor Support
 - Support related R&D
- Meets once per year in conjunction with BPIG
 - 3 web casts/year (May, Aug, Nov)
- New Proposed Projects
 - CP performance criteria (Health Reports)
 - Qualification recommendations for CP personnel

EPRI's Cathodic Protection User Group (CPUG)

- Highlights from the February 2013 Meeting:
 - Industry updates from NRC, INPO, and NACE
 - CP system presentations associated with monitoring, test stations, troubleshooting and understanding the survey results
 - Operating experience presentation on CP system Upgrade
 - EPRI Cathodic Protection related Project Updates
 - Cathodic Protection Maintenance Guide
 - CP System Design Specification
 - CP Criteria for Nuclear Power Plants
 - CP System Recommendations Document
 - Evaluation for Installing CP at Nuclear Plants
 - Buried Pipe Reference Document Update
 - CP System Engineer Training Course Outline Review

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