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INPO Perspectives

NRC Buried and Underground Piping Meeting
June 11, 2014

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Key Topics

- INPO's NEI 09-14 role
- Industry Performance
  - Plant evaluations
  - Operating experience
    - ICES reporting

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NEI 09-14 INPO's Role

- Evaluate programs.
- Communicate issues to the industry.
- Compile and report operating experience.

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Key Topics

- INPO's NEI 09-14 role
- Industry Performance
  - Plant evaluations
  - Operating experience
    - ICES reporting
- Questions

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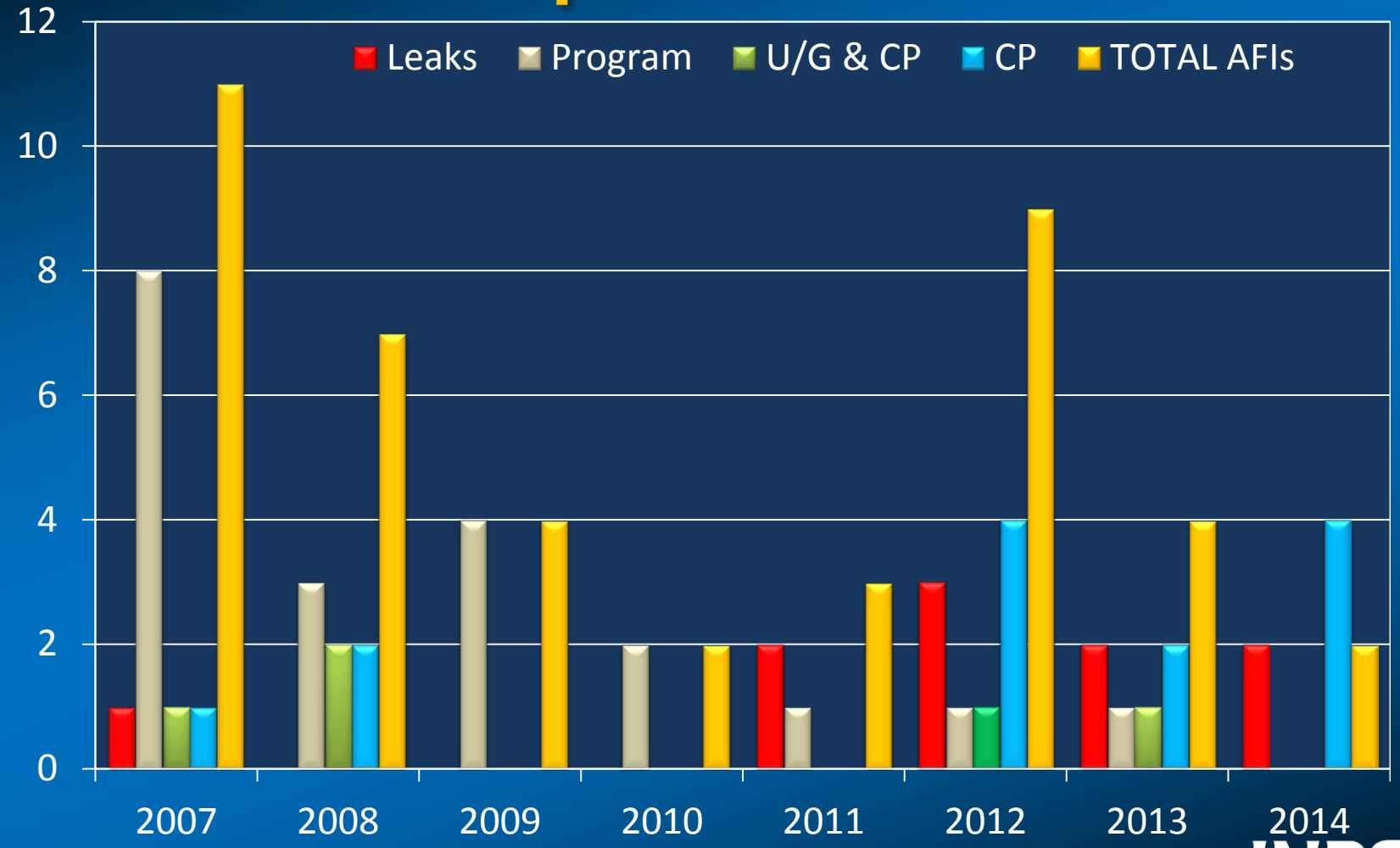
Areas for Improvement



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2014 Summary

- Two AFIs; Four Performance Deficiencies
  - Two – underground piping
  - Four – cathodic protection
- Improvement needed
  - Degraded coatings and cathodic protection not properly maintained
  - Cathodic protection equipment work prioritization and completion
  - Cathodic protection site knowledge weaknesses
  - Leaks occurring and the source is not determined

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Good Underground Piping Program Attributes

- ICES reporting quality improvement
- Zero leak tolerance – especially in piping containing radioactive fluids
- Cathodic protection installed and maintained
- Failure causes identified
- Effective station and corporate oversight
- Effective use of corrective action program

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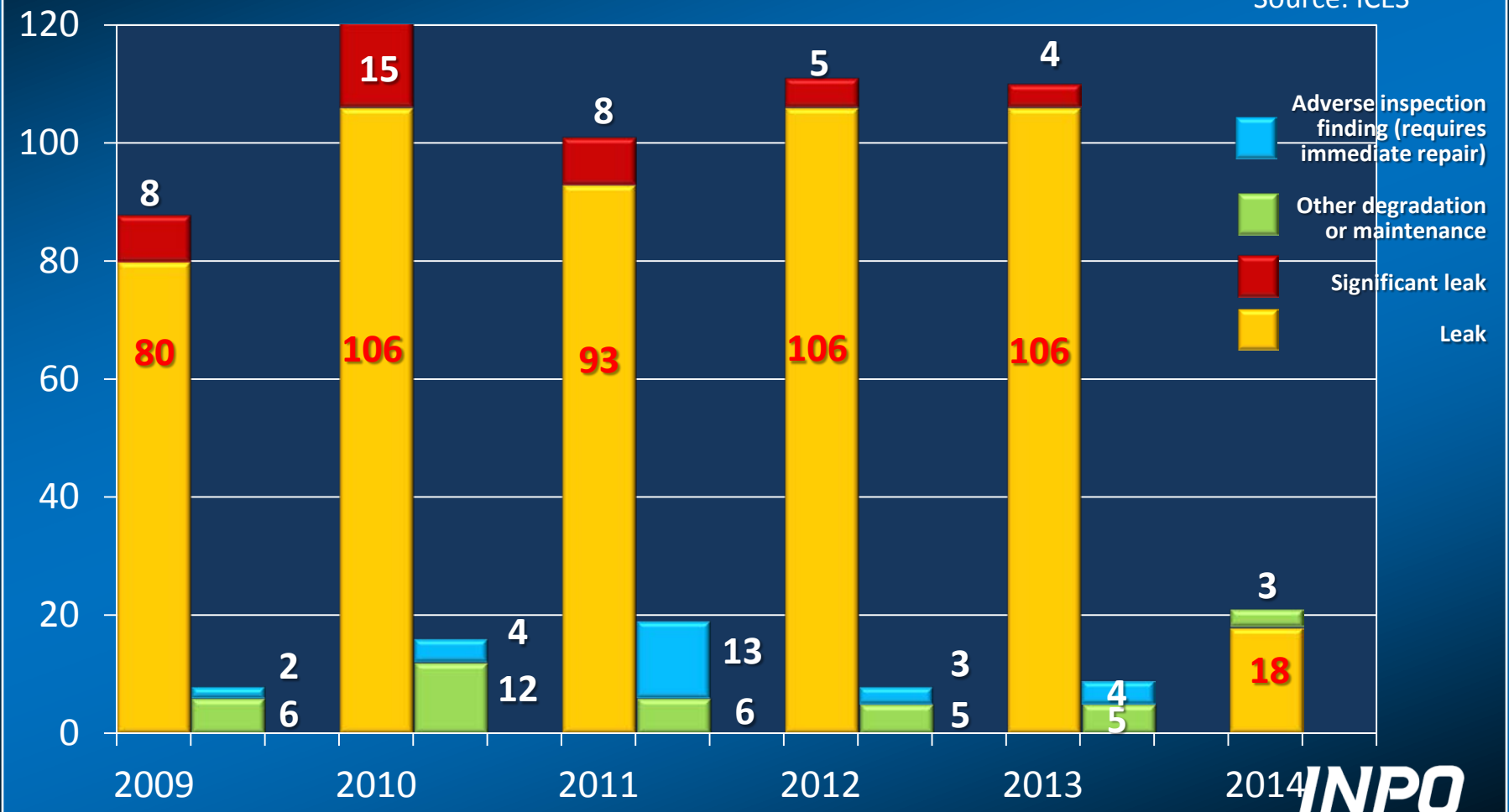
May 2014 Number of Reported Events by Year and Failure Mode

Source: ICES



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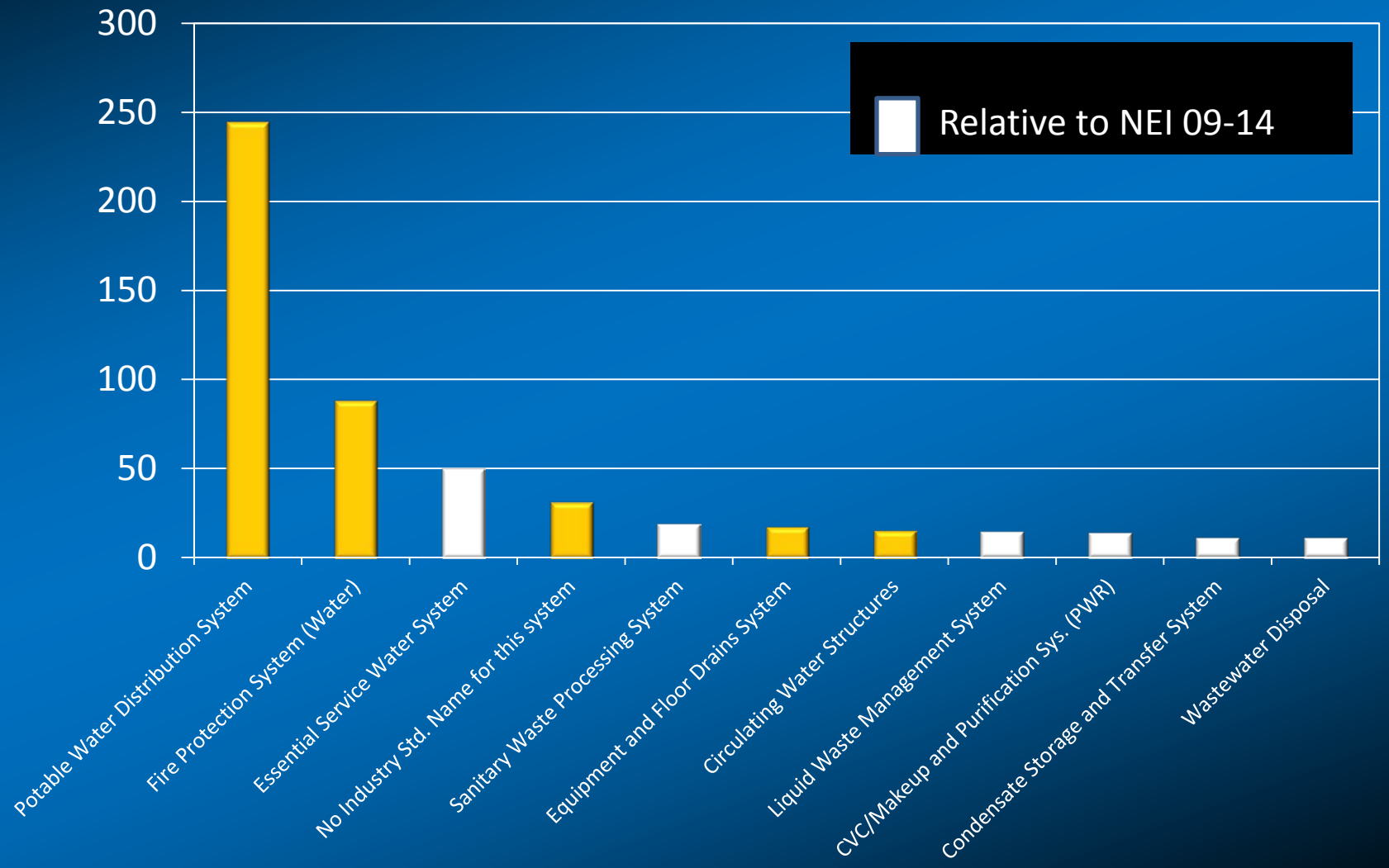
Most Commonly Affected Systems

Source: ICES



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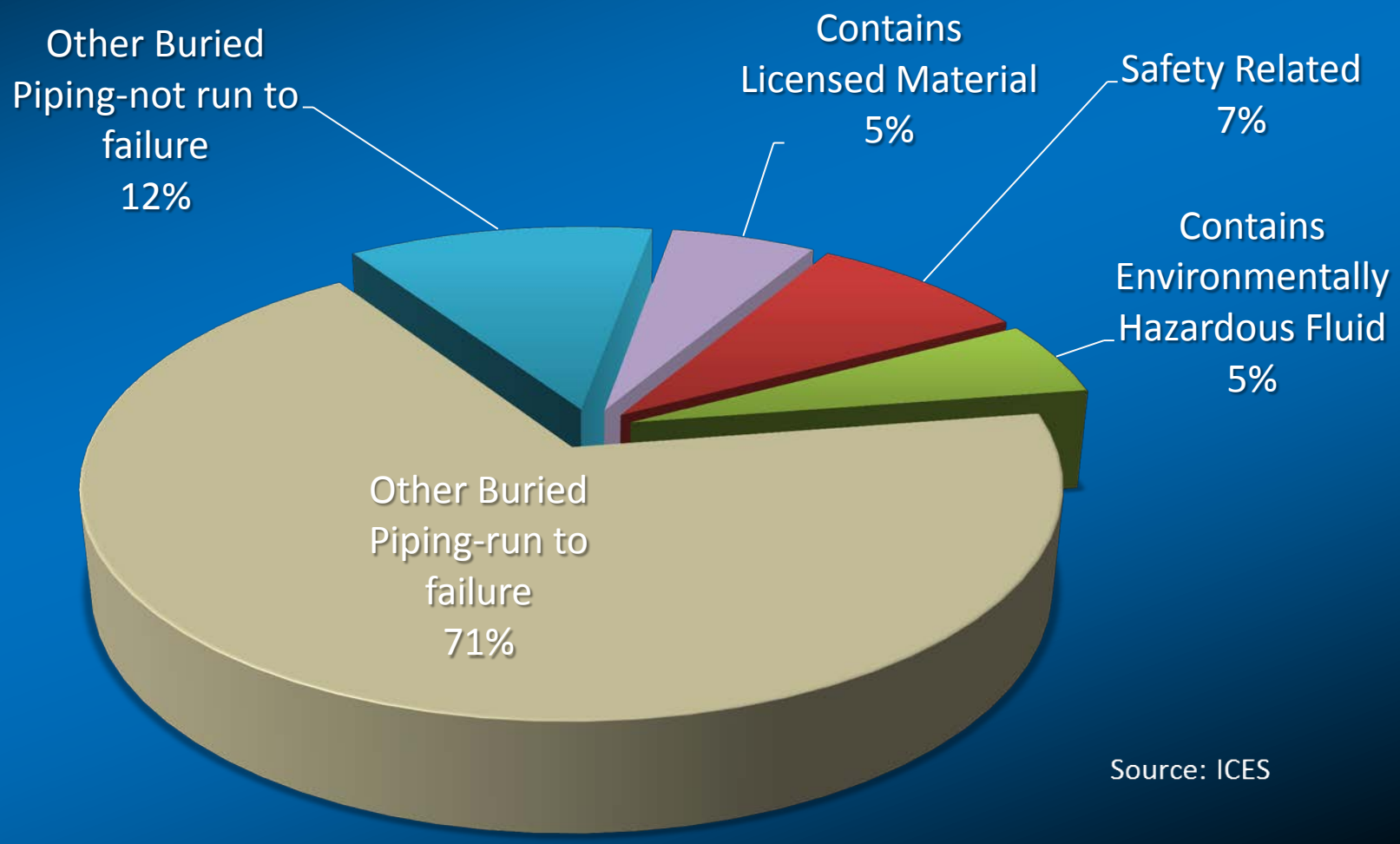
Buried Pipe Events Classification



Source: ICES

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