

Working Group Subject Backgrounds

Each Working Group should anticipate presentation and discussion within the subject areas shown and their impact on all relevant pipeline types during the forum.

1. **Damage Prevention** - This group will discuss excavation damage/pipeline locating/ROW monitoring/protecting or adapting pipelines to the potential impacts of climate change.
2. **Leak Detection/Fugitive Methane** - This group will discuss leak detection technology development for all pipeline types from any deployment platform/Understanding capabilities and limitations.
3. **Anomaly Detection/Characterization** - This group will discuss solutions for inside or outside (through coating) the pipe technology to better detect, size and shape anomalies/Efforts to improve remaining strength calculations and technology for hard to inspect pipelines (i.e. unpiggable). Cast Iron will be discussed in WG#5.
4. **Improving Risk Models** - This group will discuss how models need to evolve from relatively coarse “index” type of risk models used to rank line pipe segment baseline assessment scheduling priority to more investigative-oriented approaches/ models. In addition topics generated from this group aid in the development of meaningful methods to evaluate risk from non-line pipe facilities and address ways to facilitate the analytical use of risk approach/model results.
5. **Addressing Legacy Materials Challenges** - This group will discuss technology solutions and identify integrity issues with cast iron, develop methodologies to prioritize cast iron replacement programs and further identify areas of investigation for using cured in place liners. It will also focus on solutions for mitigating the integrity challenges of manufacturer defects such as ones in pipeline seam welds and address solutions for the challenges that an aging infrastructure may bring as well as engineering solutions in support of implementing the Integrity Verification Process.