

# Pipeline R&D Forum

## Working Group Agendas

Presentations Commence 2PM on Nov. 16 through 5PM – Some may occur AM of Nov. 17

### Working Group #1: Threat/Damage Prevention

WG Leaders: François Rongere, R&D and Innovation Manager - Gas Operations, PG&E  
Jemmie Wang, Partner, BizMetrix  
PHMSA Rep: Joshua Arnold, R&D Manager  
Annmarie Robertson, Senior Program Manager Program Development

1. François Rongere & Jemmie Wang – Overview of Working Group #1
2. Joshua Arnold & Annmarie Robertson – Overview of PHMSA Research and Various Policy Issues
3. Dennis Jarnecke – Overview of Current Projects, Operations Technology Development
4. Daphne D'Zurko – Overview of Current Projects, NYSEARCH

Nov 17 AM

5. Carrie Greaney – Overview of Current Projects, PRCI
6. Alicia Farag – Key project Update – Locus View

### Working Group #2: Leak Detection/Mitigation

WG Leaders: Ray Philipenko, Sr. Manager, Leak Detection, Enbridge Pipelines Inc.  
Douglas Robertson, Leak Detection Technology Initiatives & BD Support Team Lead, TransCanada Pipelines  
PHMSA Rep: Robert Smith, R&D Manager

1. Ray Philipenko & Douglas Robertson – Overview of Working Group #2
2. Robert Smith – Overview of PHMSA Research and Various Policy Issues
3. Carrie Greaney – Overview of Current Projects, PRCI
4. Daphne D'Zurko – Overview of Current Projects, NYSEARCH
5. Kristine Wiley – Overview of Current Projects, Operations Technology Development
6. David Shaw – Key Project Update: Leak Detection System Design
7. Maria Araujo – Key Project Update: SwRI
8. Mark Stephens – Key Project Update: ELDER Leak Detection Verification Project, C-FER Technologies

### Working Group #3: Anomaly Detection/Characterization

WG Leaders: Mark Piazza, Manager, Integrity Programs, Colonial Pipeline  
David Chittick, Director of Pipeline Integrity, TransCanada Pipelines  
PHMSA Rep: James Merritt, R&D Program Manager

1. Mark Piazza & David Chittick – Overview of working Group #3
2. George Vradis – Overview of Current Projects, NYSEARCH
3. Sean Black – Overview of Current Projects, PRCI
4. Chris Ziolkowski – Overview of Current Projects OTD/GTI
5. Jim Merritt – Summary of PHMSA R&D Program and Technical Issues, DOT/PHMSA

Nov 17 AM

6. David Chittick TransCanada Pipeline – Gaps and Challenges Facing Pipeline Operators
7. Bryce Brown, Rosen Group – Technology Development to Improve Anomaly Detection and Characterization
8. Dr. Yongming Liu, Arizona State University – Advancements of modeling tools for Detection/Characterization

## **Working Group #4: Natural Gas Underground Storage**

WG Leaders: Ray Harris, Assistant Vice President, National Fuel Gas Supply Co.  
C.J. Osman, Director of Operations, Safety, and Integrity, Interstate Natural Gas Association of America  
PHMSA Rep: Steve Nanney, Senior Engineer

1. Ray Harris & C.J. Osman – Overview of Working Group #4
2. Steve Nanney, DOT/PHMSA, “Overview of Technical and Integrity Issues”
3. Barry Freifeld, Lawrence Berkley National Laboratory, “Aliso Canyon Work & Well Integrity Report”
4. Laurie Perry, PRCI, “Gas Storage Integrity Management & Leak Quantification”
5. Larry Kennedy, Pacific Gas & Electric, “Leak Detection in California”
6. Daniel Ersoy, GTI, “Gas Storage Risk Assessment”
7. John Buflod, API, “RP 1170/1117 Development Process”

Nov 17 AM

8. “Risk Assessment and Risk Management Panel”
  - Anders Johnson, Kinder Morgan
  - Steve Nowaczewski, Transcanada
  - Larry Kennedy, Pacific Gas & Electric
  - Bill Nelson, DNV GL
9. “Tools Panel: Logging, Cement, SSV’s, Tubing/Packer”
  - Terry Child, Baker Hughes
  - Craig Johnson, CMS Energy
  - Matt Rowan, DTE Energy
  - Brett Williams, Halliburton

## **Working Group #5: Liquefied Natural Gas**

WG Leaders: Ted Williams, Director, Codes & Standards, American Gas Association  
Walter Doucette, Director – LNG Operations Massachusetts North, National Grid  
PHMSA Rep: Julie Halliday, Senior Engineer

1. Ted Williams & Walter Doucette – Overview of Working Group #5
2. Julie Halliday – Overview of PHMSA LNG Safety Research and Various Policy Issues
3. Walter Doucette – An Operator’s Perspective – National Grid
4. S. Gant – Health & Safety Laboratory (HSL), U. K.: A Research Organization Perspective, Part 1
5. F. Gravelli – Topical Presentation: Release Hazard Calculations – GexCon

Nov 17 AM

6. S. Mannan – Texas A&M University/Mary Kay O’Connor Process Safety Center: A Research Organization Perspective, Part 2
7. S. Rose – Topical Presentation: ASME BPVC Developments – Oak Ridge National Laboratory