**Keyhole Program Meeting & Demos**

**Location:** Fall Meeting | November 8th and 9th, 2017  
PG&E Training Facility  
1 PG&E Way, Winters, CA 95694

*Fall 2017 Meeting Draft Agenda – November 8th & 9th*

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**Wednesday, Nov 8th**  
**Full Day Meeting (8am-5pm)**

8:00 am – 8:30 am  
Welcome and Introductions

8:30 am – 9:30 am  
Tour of PG&E Training Facility

9:30 am – 10:00 am  
Plastic Cap Replacements – PG&E – Kenny Conelley

  - Review of PG&E’s Plastic Cap Replacement Program with Keyhole

10:00 am – 10:30 am  
Review of Service Tee Transition Rebuild Program – Avista – Michael Whitby

  - Review of 5 year program to replace service tees
  - How Keyhole will be implement in main replacement program moving forward

10:30 am – 10:45 am  
Break

10:45 am – 11:15 am  
Use of Coring/Keyhole in a Large Urban City

  - Brief update on use of Keyhole in New York – Andrew Pollock
  - Brief Update on People’s Gas Keyhole work in Chicago – Dennis Jarnecke

11:15 am – 11:45 am  
Keyhole Successes at Alagasco – Bryan Rotenberry

  - Use of Keyhole in main replacement program
  - How to encourage contractors to effectively participate with Keyhole

11:45 pm – 1:00 pm  
Lunch
1:00 pm – 1:30 pm | Using Expandable Foam for Main Abandonment – Specialty Products, Inc

1:30 pm – 2:00 pm | Core Reinstatement Tips/Tricks from an Expert – Utilicor - Andrew Pollock

2:00 pm – 3:30 pm | Manufacturer Presentations
  - Hammerhead
  - Utilicor/Ditch Witch
  - Kravitch
  - Tellus Underground
  - Vacmasters
  - Ox-Equipment/BTI

3:30 pm – 5:00 pm | Demonstrations
  - Ox Equipment/BTI
  - Specialty Products Inc.
  - Vacmasters
  - Utilicor/Ditch Witch
  - Others

6:00 pm | Group Dinner: Fuso Italian Restaurant
  535-A Main Street
  Vacaville, CA 95687
  Ph.: 707-447-5560

Thursday, Nov 9th | Half Day Meeting (8am-12pm)

8:00 am – 9:00 am | Utilities Only Session
  - Opportunity for utilities to discuss any needs/issues amongst themselves (utilities – please submit topics of discussion)
9:00am – 9:30 am  
**Utility / Contractor Alliance Discussions**
- How utilities and contractors are working together to implement keyhole construction practices
- Technologies
- Methods and Best Practices
- Input and discussions from Utilities
- Input and discussions from Contractors

9:30 am – 10:00 am  
**New Technologies**
- Presentations and discussions on various new technologies across our industry – *Participation from all attendees*
  - Emergency Main Stop off Station – EMSOS
  - ORFEUS – Look ahead HDD technology
  - Others TBD

10:00 am – 11:00 am  
**Vacuum Excavation**
- Vac Group – Vacuum Excavation in Australia; Soil Transfer – Neil Costello
- SAE Standard for Safety Requirements of Vacuum Excavation – Susan Harmon
- Issues/Concerns –
  - Disposal of wet spoils when using hydrovacs
  - Overweight trucks
  - Alternatives?
  - Best practices
- Environmental reports and studies
  - Documentation of Environmental Practices and Regulations
  - Environmental wins
  - Discuss assembling necessary documents for all to share and use regarding environmental issues for wet spoil
- Update on OTD project investigating the effectiveness of dry vs wet vacs

11:00 am – 11:30 am  
**Group Roundtable**
- *Project ideas / needs for 2017/2018*
- Issues and needs
- Recent/current efforts
- Identify action items
- Any R&D needs outside of Keyhole

11:30 am – 12:00 pm  
**Review needs identified from Day 1**
- Additional items for discussions