



## MEETING SCHEDULE:

### **Staff Workshop:**

## **Natural Gas Infrastructure Safety and Integrity Research Program Workshop**

**Friday, July 7, 2017**

Beginning at 9:30 a.m.

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Rosenfeld Hearing Room

Sacramento, California

Wheelchair Accessible

### **Purpose:**

To assess the state of natural gas infrastructure safety and integrity research in California, identify actions needed to increase the adoption rate of funded technologies, and prioritize emerging technologies that have the most potential benefits in California.

**9:30-9:40**

### **Introduction**

Laurie ten Hope, California Energy Commission

**9:40-9:55**

### **Overview of the CPUC Natural Gas Safety and Integrity Activities**

Arthur O'Donnell, California Public Utilities Commission

**9:55-10:10**

### **Overview of the Energy Commission Natural Gas Infrastructure Safety and Integrity Research Program**

Michael Gravely, California Energy Commission

**10:10-12:00 Energy Commission Natural Gas Research Project Updates**

**Objective:** Update on Energy Commission funded research, including successes, technical challenges and expected outcomes.

- ***Natural Gas Pipeline Technology Assessment Update (Emerging Technologies in California and Nationwide)***  
Khalid Farrag, GTI
- ***Pipeline Integrity Detection System***  
Howard Chung, Acellent
- ***High Accuracy Mapping for Excavation Damage Prevention and Emergency Response***  
Hamid Abbasi, GTI
- ***Demonstration of a Multi-Analytic Risk Management Tool for the California Pipeline Industry***  
François Ayello, DNV GL
- ***Pipeline Right of Way Monitoring and Notification System***  
Chris Ziokowski, GTI
- ***GPS Excavation Encroachment Notification System Implementation***  
Khalid Farrag, GTI

**Noon-1:00 Lunch Break**

**1:00-2:00 Overview on Federal and State level Natural Gas Infrastructure Safety and Integrity Activities**

**Objective:** Provide an overview of Natural Gas Infrastructure Safety and Integrity activities from a federal, state, and gas utility perspective.

- ***Update on DOE Innovative Natural Gas Research Activities***  
Joseph King, ARPA-E (via WebEx)
- ***Update from California Department of Conservation Division of Oil, Gas and Geothermal Resources (DOGGR)***  
Mark Steinhilber, DOGGR
- ***Update from Pacific Gas and Electric***  
François Rongere, PG&E
- ***Update from Southern California Gas Company***  
Karen McInnis, SoCalGas

**2:00-3:00 Panel Discussion on Current and Future Utility Activities on:**

1. Natural Gas Infrastructure Safety and Integrity Activities
2. How New Research and Development Can Provide the Greatest Value in the Future
3. What are the Best Methods to Assist in the Utility Acceptance of New and Emerging Pipeline and Infrastructure Technologies

**Fernando Pina, Energy Commission - Moderator**

Francois Rongere, Pacific Gas & Electric

Karen McInnis, SoCalGas

Brian Kalina, Southwest Gas

Mark Steinhilber, DOGGR

**3:00-4:00 Public Comment**

All

**4:00-4:20 Discussion of Next Steps**

Fernando Pina, California Energy Commission

**4:20-4:30 Closing Comments**