INFORMATIONAL BRIEFING ON

SUBSURFACE TECHNLOLOGY AND ENGINEERING CHALLENGES AND R&D OPPORTUNITIES:

**STRESS STATE AND INDUCED SEISMICITY**

**Thursday October 30, 2014**

**VENUE:**

Executive Conference Room

United States Energy Association

1300 Pennsylvania Ave. NW

Suite 550

Washington, DC 20004

**ORGANIZED BY:**

United States Energy Association

**SUPPORTED BY:**

U.S. Department of Energy

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**8:30 AM Introduction and Overview**

Barry Worthington, Executive Director

United States Energy Association

**8:35 AM U.S. Department of Energy Subsurface Technology and Engineering (SubTER) Crosscut Technical Team – Status and Activities, Workshop Goals**

Friedmann/Hollett/Ackiewicz (TBD)

**9:00 AM USGS Research into the Causes and Consequences of Injection-Induced Seismicity**

William “Bill” Leith, Senior Science Advisor for Earthquake and Geologic Hazards, United States Geological Survey

**9:35 AM Risk Management of Induced Seismicity: Technical Elements & Research Opportunities**

Dr. K.J. (Kris) Nygaard, Senior Stimulation Consultant, ExxonMobil Upstream Research Company

**10:05 AM Unknown Knowns: the Role of Stress and Other Difficult to Measure Parameters of the Subsurface, and Challenges in Addressing Induced Seismicity**

Dr. Austin Holland, State Seismologist, Oklahoma Geological Survey

**10:35 AM Waste Water Injection and Possibly Induced Seismicity in Central California**

Dr. Thomas Goebel, Applied Seismology Consultant, Induced seismicity consortium (ISC), University of Southern California

**11:05 AM Wrap-up discussion**

**12:00 PM Conclusion**