INFORMATIONAL BRIEFING ON

SUBSURFACE TECHNOLOGY AND ENGINEERING CHALLENGES AND R&D OPPORTUNITIES:

**CONTROL OF FRACTURE PROPAGATION AND FLUID FLOW**

**JULY 22, 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

**8:40 AM U.S. Department of Energy (DOE) Subsurface Technology and Engineering (SubTER) Crosscut Technical Team – Status and Activities, Workshop Goals**

Dr. S. Julio Friedmann, Deputy Assistant Secretary, Office of Clean Coal and Carbon Management; Mr. Doug Hollett, Director, Geothermal Technologies Office

**9:10 AM Overview of National Laboratory Big Idea on Subsurface Technologies**

Dr.Susan Hubbard, Senior Scientist and Division Director, Earth Sciences Division at Lawrence Berkeley National Laboratory

**9:30 AM Key Challenges and Opportunities on Adaptive Control of Fractures and Fluid Flow in Subsurface Energy Extraction and Storage**

Dr. Srikanta Mishra, Senior Research Leader, Energy & Environment, Battelle

**10:00 AM Control of Fracture Propagation and Fluid Flow**

Mr. Iraj Salehi, GTI Institute Fellow, Gas Technology Institute

**10:30 AM Geophysical Monitoring of Subsurface Electrical Transient Signals for Fracture Detection and Characterization**

Mr. John W. Pritchett, Geothermal Energy Association/ Leidos, Inc.

**11:00 AM Wrap-up Discussion**

**11:30 AM Conclusion**