Energy Needs and Solutions for Oil & Gas Operations:
WHP and CHP - Upstream to Downstream
October 29, 2018

Waste heat to power (WHP) and combined heat and power (CHP) provide cost effective reliable power to oil and gas operations - whether in the oil field, midstream operations, or refining. Join us to explore ways to use resources more efficiently to provide power and thermal to oil and gas processes. Network with other attendees engaged in improving energy delivery and energy efficiency in the oil and gas industry. Learn about federal, state and local incentives, project financing options, and free technical screenings and feasibility studies provided by the DOE Upper-West CHP Technical Assistance Partnership (CHP TAP), supported by the Colorado Energy Office.

Lunch and Introductions
12:00 – 1:00 PM
Welcome & Introductions
Andra Wilcox, DOE Upper-West CHP TAP
Setting the Stage - Power and Thermal Energy for Oil & Gas Operations
Carolyn LaFleur, DOE Upper-West CHP TAP
Opportunities for enhancing energy efficiency and reliability with CHP in the oilfield
Overview of WHP & CHP
Susan Brodie, Heat is Power Association
WHP & CHP concepts, technologies and benefits

WHP in Midstream: Multiple Stakeholder Perspectives
1:00 – 2:00 PM
Panel Members
Jarid Kling and Duane Segelke, Tallgrass Energy
Dennis Herman, Highline Electric Association
Moderator: Susan Brodie, Heat is Power
Colin Duncan, Ormat
An overview of the WHP (aka recycled energy in Colorado) system on the Trailblazer Pipeline Compressor Station from various stakeholder perspectives. Discussion will include operational, economic and environmental incentives and challenges; project planning considerations; and lessons learned.

Break
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WHP & CHP Opportunities and Barriers in Upstream

2:15 – 3:15 PM  Panel Members
Dalia El Tawy, Siemens
Mike Kemp, HCS Group
Moderator: Andra Wilcox, DOE CHP TAP

John Fox, ElectraTherm
Casey Cammann, Heartland Energy

An interactive discussion on opportunities, barriers and technologies for WHP & CHP in upstream operations including: on-site electricity, enhanced oil recovery, and produced water treatment.

Break

Support for WHP and CHP Deployment

3:30 – 4:30 PM  Regulatory, Emissions and Permitting Issues
Matthew Hazleton, TRC
Considerations of regulatory requirements for WHP & CHP projects

Susan Brodie, Heat is Power
Policies, incentives and financing options

Fanxu Meng, DOE Upper-West CHP TAP
CHP-TAP no-cost qualification screenings, technical assessments and in-depth feasibility studies for companies considering WHP and/or CHP in operations

Closing Discussion

4:30 – 4:45 PM  Wrap Up and Path Forward
Carolyn LaFleur, DOE Upper-West CHP TAP

Many thanks to our co-hosts, panel members, attendees, and sponsors!