

2017 GAS/ELECTRIC PARTNERSHIP

C O N F E R E N C E XXV SINCE 1994

## **UNDERWRITERS**

MAN Diesel & Turbo North America Inc.

CompressorTech II

American Electric Power

Gas Compression Magazine

CenterPoint Energy

ACI Services, Inc.

Neuman & Esser USA

GE Oil & Gas

Dresser Rand

GE's Waukesha Gas Engines

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Toshiba International Corporation

Southwest Research Institute

Ormat Technologies, Inc.

Nidec Industrial Solutions

Ariel Corp.

# **Opportunities in Gas Infrastructure**

**February 8-9, 2017**

**Kinder Morgan Tower, 1001 Louisiana  
CenterPoint Energy Tower, 1111 Louisiana  
Houston, Texas**

# Opportunities in Gas Infrastructure

**Wednesday, February 8**

**CenterPoint Energy Tower, 1st floor auditorium**

## ***Macroeconomic Drivers of Change***

- 7:45 am Conference Introduction
- 7:55 am North American Oil and Gas Trends, Edward Kelly, IHS/Markit
- 8:35 am Power Generation Supply and Demand Trends and Coal Retirements, Matt Usher, PE, AEP Generation
- 9:05 am Threats and Opportunities for Natural Gas in the Power Sector. Roundtable moderated by Gurcan Gulen, University of Texas Center for Energy Economics; Panel – Daniel Crotzer, Fractal Business Analytics; Dan Gabaldon, Enovation Partners; Matt Usher, AEP Generation
- 9:45 am Break
- 10:05 am Global LNG Market Developments and Impact on US Exports, Thomas Shattuck, Deloitte Services LP
- 10:30 am Oil/Gas Price Futures and Impacts. Roundtable moderated by Donald Knop; Panel – Edward Kelly, IHS/Markit; Colin Rice, Wood Mackenzie; Andrew Slaughter, Deloitte Services LP; Michael Juden, McKinsey & Co

## ***Pipeline & Compressor Station Methane Mitigation***

- 11:20 am Reducing Methane Emissions, Thomas D. Hutchins, Kinder Morgan
- 11:45 am Lunch

## ***Technology Updates – Methane Mitigation***

Norm Shade, ACI Services, Inc., moderator

- 12:45 pm Methane Emissions Site Assessments, Sarah Simons, Southwest Research Institute
- Pipeline Evacuation Service, James Meredith, Reserve Equipment
- Vent Gas Combustion Equipment, Sean MacLeod, Zeeco Energy Services
- Vent Gas Recovery, Veronica Nasser, T.F. Hudgins
- 1:35 pm Break

## ***Pipeline Systems Outlook***

- 1:55 pm Gas/Crude Imbalances, LNG Exports, and Pipeline Consequences, Michael Juden, McKinsey & Co.
- 2:20 pm Gas Storage. Roundtable moderated by Anders Johnson, Kinder Morgan; Panel – Garrett Word, TransCanada, Daniel Noack, PAA Natural Gas Storage, Michael Juden, McKinsey & Co.
- 3:00 pm Gas Pipelines. Roundtable moderated by Michael Juden, McKinsey & Co; Panel – Wes Sutherland, Williams; Hubert Eldridge, Kinder Morgan; Kenneth Skweres, Spectra Energy;
- 3:40 pm Adjourn and Refreshments

# Opportunities in Gas Infrastructure

Thursday, February 9  
CenterPoint Energy Tower, 1st floor auditorium

## Political & Environmental Drivers

- 8:15 am Session Introduction
- 8:25 am Dealing with Political Challenges to Project Development, William E. (Bill) Wolf, Kinder Morgan
- 8:55 am Selective Catalytic Reduction Gaining Traction in Pipelines
- Political and Engineering, Ronald Miller, Basic Systems
  - Technology Advances, David Zenthoefer, MiraTech Corp.
- 9:30 am Air Emissions Regulations and Impact on Compressor and Drive Selection, Robert H. Van Borssum, Spectra Energy
- 10:05 am Break

## Technology Updates

Moderated by Norm Shade, ACI Services, Inc.

- 10:25 am Electric Motor Drives
- Standard Motor Design for Centrifugals, Nidec Industrial Solutions
  - Next Generation Medium Voltage Drive, Toshiba
  - Arc Flash Detection and Mitigation, ABB
- Increasing Efficiency to Reduce Compressor Station Carbon Footprint
- ACEV speedVariable Cooler Fan Drive, Alfa Laval
  - Reducing Carbon Footprint Through Compressor Optimization, ACI Services
  - Waste Heat Recovery, Ormat Technology, Inc.
  - Vorecon NX (improved efficiency compressor drive), Voith Turbo

11:55 am Lunch in Second Floor Foyer (SE side)

## New Opportunities

Afternoon Session, Kinder Morgan Tower, first floor, 1BCD

- 12:55 pm Gas Pipeline Activity into Mexico, Edward Kelly, IHS/Markit
- 1:25 pm Digital Industrial Solutions using Big Data, Bhupinder Dayal Ph.D., GE Oil & Gas

## Technology Updates

Moderated by Norm Shade, ACI Services, Inc.

- 1:50 pm Compressors and Drivers
- Standard Centrifugal Compressor Packages, Dresser Rand
  - Overview/Update on Gas Engine Line, GE Power (Waukesha Gas Engines)
  - New Torsional Damper, Ariel Corp

## Compressors & Drives

- 2:20 pm Compressor and Driver Selection Strategies, Christean Kapp, Dr. Rotating
- 2:40 pm Break
- 3:00 pm Compressor/Driver Selection Strategy. Roundtable moderated by Christean Kapp, Dr. Rotating; Panel – Gus Posada, Boardwalk Pipeline; GeJuan K. Cole, Williams; Mary Beth McBain, Kinder Morgan; Arnold Eisenstein, Universal Pegasus
- 3:40 pm Adjourn

# 2017 GAS/ELECTRIC PARTNERSHIP CONFERENCE XXV — REGISTRATION

Fax to 713.529.3318 or email to [jennifer@gaselectricpartnership.com](mailto:jennifer@gaselectricpartnership.com)



- Yes, I plan to attend the conference, February 8-9, 2017. Fee is ~~\$700.~~ \$ \_\_\_\_\_
- Check payable to Gas/Electric Ventures is enclosed.  
Mail to: Gas/Electric Ventures, P.O. Box 28357, Santa Fe, NM 87592
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