

 EUCI COURSE

# INTRODUCTION TO THE OIL & GAS INDUSTRY

**July 24, 2017**  
**Royal Sonesta Houston**  
**Houston, TX**



EUCI is authorized  
by IACET to offer  
0.7 CEUs for the  
course

## OVERVIEW

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This one day course is designed to familiarize non-technical personnel on the primary activities of the oil and natural gas industry. The instructor will provide an in-depth look at U.S. crude oil supply, demand, and petroleum reserves. Attendees will learn about different types of crude oil transportation as well as the refining process. An overview of crude oil and petroleum product markets and trading will be provided.

Our expert speaker will discuss natural gas supply and demand. He will explain natural gas processing, transportation, and storage. Attendees will review the LNG supply chain in the U.S. Participants will leave with an understanding of natural gas markets and trading.

## LEARNING OUTCOMES

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- List types and quality of petroleum
- Discuss U.S. crude oil supply
- Explain U.S. petroleum reserves
- Review types of crude oil transportation
- Describe the crude oil refining process
- Express crude oil products demand
- Discuss crude oil and petroleum products markets and trading
- Explain the natural gas industry
- Describe elements that contribute to natural gas demand
- Review natural gas supply resources
- Discuss the LNG supply chain in the United States
- Explain natural gas processing and transportation
- Describe natural gas storage
- Address natural gas markets and trading

## INSTRUCTOR

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### Tom Russo

#### Principal, Russo on Energy LLC

Tom Russo is an Energy and Environmental expert with unique regulatory skills in siting energy infrastructure, markets and physical/cybersecurity.

Prior to founding Russo on Energy LLC in May 2015, Mr. Russo worked for over 30 years as a Manager and Sr. Energy Industry Analyst at the Federal Energy Regulatory Commission (FERC). During that time he amassed experience in hydropower licensing, NEPA environmental impact assessment of energy projects, business process reengineering, and natural gas and crude oil market oversight. Mr. Russo thoroughly understands the Natural Gas Act, Natural Gas Policy Act, Federal Power Act and Energy Policy Act as they apply to natural gas and hydroelectric projects. He also assisted FERC's new Energy Infrastructure Security Office with understanding physical and cybersecurity threats and vulnerabilities to natural gas, oil and gas-fired power projects and physical natural gas and related futures and swaps.

In FERC's Office of Enforcement, he managed and led efforts on the development and implementation of FERC Order 704 and FERC's Form 552 Annual Natural Gas Transaction Report program from 2008 to 2015. He also has helped numerous energy companies address FERC compliance issues in the natural gas, LNG, and hydropower area, as well as natural gas market participants in achieving compliance with transactional issues related to natural gas indices and index formation.

Mr. Russo is a native of Brooklyn, New York. He earned a credential as a Certified Information Systems Security Professional (CISSP) in 2010. He also graduated with a MBA in Finance from the George Washington University and a MS in Biology from the University of Alabama.

# AGENDA

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MONDAY, JULY 24, 2017

**7:30 – 8:00 am**            **Registration and Continental Breakfast**

**8:00 am – 4:00 pm**        **Course Timing**

**12:00 – 1:00 pm**         **Group Luncheon**

## **I. U.S. Crude Oil and Petroleum Products Infrastructure & Markets**

### **Petroleum**

- Kinds
- Quality
- Major Benchmarks

### **U.S. Crude Oil Supply**

#### **Petroleum Reserves**

#### **Crude Oil and Petroleum Products Transportation**

- Pipelines
- Types of Pipelines
- Rail, Vessels, Trucks
- Regulation

#### **Crude Oil Refining**

#### **Crude Oil and Petroleum Products Demand**

#### **Crude Oil and Petroleum Products Markets and Trading**

## **II. Wholesale Natural Gas Infrastructure and Markets**

### **Natural Gas Industry**

#### **Natural Gas Demand**

- Weather
- Economic Activity & Growth
- Prices of Natural Gas & Coal
- Demographics &'
- Social Trends
- Customer Sectors and Demand
- Power Generation
- Industrial
- Residential
- Commercial

# AGENDA

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MONDAY, JULY 24, 2017 (CONTINUED)

## **Natural Gas Supply**

- Natural Gas Resources, Reserves & Production
- Conventional and Unconventional Natural Gas
- Conventional Natural Gas
- Unconventional Natural Gas
- The Shale Revolution
- Imports and Exports
- Regulatory Jurisdiction

## **Liquefied Natural Gas**

- Regulatory Jurisdiction
- The LNG Supply Chain
- LNG in the United States
- LNG Peak Shaving Plants
- Transportation Sector (CNG and LNG)

## **Natural Gas Processing and Transportation**

- Processing
  - Natural Gas Liquids
  - Infrastructure
  - Petrochemical Industry
  - NGL Exports
- Regulatory Jurisdiction
- Natural Gas Transportation Infrastructure
- Hubs
- Regulatory Jurisdiction
- Pipeline Services
  - Interstate Transportation Rates
  - Scheduling
  - Pipeline Usage or Load Factor
  - Park and Loan Service
  - Pipeline Constraints and Capacity Growth
  - Local Distribution
  - Pipeline Constraints and Capacity Growth
  - Local Distribution

## **Natural Gas Storage**

- Storage Facilities
- Regional Storage
- Storage Service and Uses
- Market Effects
- Regulatory Jurisdiction

## **Natural Gas Markets and Trading**

- Natural Gas Marketers
- Market Hubs
- Physical Trading of Natural Gas
- Price Discovery
  - Spot (Cash) Market
  - Bidweek
  - Index Prices
  - The Financial Market

## REQUIREMENTS FOR SUCCESSFUL COMPLETION OF PROGRAM

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Participants must sign in/out each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

## INSTRUCTIONAL METHODS

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Case studies, PowerPoint presentations, classroom exercises

## PROCEEDINGS

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The proceedings of the course will be published, and one copy will be distributed to each registrant at the course.

## EVENT LOCATION

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A room block has been reserved at the Royal Sonesta Houston, 2222 West Loop S, Houston, TX 77027, for the nights of July 23- 26, 2017. Room rates are \$139 plus applicable tax. Call **1-713-627-7600** for reservations and mention the EUCI event to get the group rate. The cutoff date to receive the group rate is June 23, 2017 but as there are a limited number of rooms available at this rate, the room block may close sooner. ***Please make your reservations early.***

## IACET CREDITS

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EUCI has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, EUCI has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

**EUCI is authorized by IACET to offer 0.7 CEUs for the course.**



**REGISTRATION**  
*to register [CLICK HERE](#) or*

**Call: 201 871 0474**  
**fax: 253 663 7224**  
**email: [register@pmaconference.com](mailto:register@pmaconference.com)**  
**web: <http://pmaconference.com/>**  
**Mail: POB 2303 Falls Church Va 22042**

Please make checks payable to: "PMA"

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## PLEASE REGISTER

**INTRODUCTION TO THE OIL & GAS INDUSTRY COURSE:**

JULY 24, 2017: US \$995,  
 Early bird on or before July 7, 2017: US \$895

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name Job Title

Company

What name do you prefer on your name badge?

Address

City State/Province Zip/Postal Code Country

Phone Email

List any dietary or accessibility needs here

**CREDIT CARD INFORMATION**

Name on Card Account Number

Billing Address Billing City Billing State

Billing Zip Code/Postal Code Exp. Date Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)

**OR** Enclosed is a check for \$ \_\_\_\_\_ to cover \_\_\_\_\_ registrations.

**Substitutions & Cancellations**

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before June 23, 2017 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCl event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCl's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices at (201) 871-0474.