Across the energy landscape, from oil to gas to NGLs to products (renewable fuels too!), commodities and markets are more interconnected than ever before. Domestic crude prices, which are top of mind for producers planning future production, are now joined at the hip to international markets through surging exports and a WTI now included in the international Brent benchmark. What happens in crude-focused production basins like the Permian will have far-reaching effects as growing volumes of associated natural gas flow through new processing plants and pipelines to Gulf Coast LNG export markets, which will see another stair-step up in capacity as early as next year.

The market is changing, and the stakes are huge. Understanding the connections among energy commodities — and what they mean for your business — is absolutely essential to not only survive the next phase of energy evolution but also to identify and capitalize on opportunities.

At RBN’s upcoming School of Energy we will provide a forum for energy professionals to acquire essential knowledge and an in-depth understanding of the industry and its interconnections, recent trends and an outlook for upcoming changes.

RBN’s Latest Crude, Gas, NGL, Refined Products and Renewables Curriculum

Connection – Mastering Oil, Gas and NGL Market Links Is Key to Surviving New Era in Energy

Sept 19 & 20, 2023
Houston, TX
The Houstonian Hotel
Making Connections Across Energy Markets

At School of Energy, attendees will get educated on the different components of the energy market and how they interrelate. You will learn how to monitor these markets, spot opportunities, and understand the possible impacts of taking action. You will also get a better idea of the current state of the market, as well as potential future trends that could affect them or their businesses. Just as important, you will get a chance to meet other energy professionals with diverse backgrounds and critical insights.

RBN’s 17th School of Energy will be held September 19-20, 2023, at The Houstonian Hotel in Houston. Get ready to immerse yourself in the interconnected world of energy and find out what trends major market players are pumped-up for, keeping close track of, or have them downright nervous.

Register Now!
Early Bird Rate Through August 31: $1,950
September 1 and on: $2,450
Group rates available by contacting Scott Potter at spotter@rbnenergy.com.

School of Energy Faculty

Rusty Braziel
Executive Chairman, RBN Energy

David Braziel
President & CEO, RBN Energy

Scott Potter,
Managing Director, Business Development, RBN Energy

Lindsay Schneider,
Managing Editor, RBN Energy

Taylor Noland
Founder & President, Engage Energy Marketing Consulting

Todd Root
Director, NGLs and Petrochemicals, RBN Energy

Rick Smead,
Managing Director, Advisory Services, RBN Energy

TJ Braziel,
Director of Client Services, RBN Energy

Robert Auers
Manager, Refined Fuels Analytics (RFA)

Martin King
Senior Analyst and Consultant, RBN Energy

Jeremy Meier,
Production Analyst, RBN Energy

Albert Marc Passy
Commodity Analyst

Rock Graham
Regional Manager, Origination & Producer Services, Wholesale Natural Gas

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Revised: 09-13-23
RBN School of Energy Curriculum: September 19-20, 2023

Registration & Breakfast – 7AM

Day 1: Welcome, Introductions – 8AM

**Module #1: Fundamentals**
- Market Update: Interconnectivity: Consolidation, Exports and Transition Stall
- The Fundamentals of Fundamentals
- North American NGL Fundamentals

**Break**

Understanding Energy Fundamentals Models
*LAB Model – Propane to Crude Ratio*

**Module #2: Production**
- Production Economics – The Basics
  *LAB Model – Production Economics*

**Lunch – 12PM**

Forecasting Production: Concepts and Methodologies; Current Trends
- Oil, Gas and NGL Production Forecasts

**Module #3: Crude Oil Markets**
- Crude Oil Market Overview, Export Drivers and Constraints
- Permian Crude Infrastructure, Flows, Constraints

**Break**

Fundamentals of Refining: Units, Processes and Products
- Crude Quality: Implications for Prices, Pipelines and Refining
- Crude Oil Pricing Mechanics and Domestic Trends
- Refined Products Outlook
- Renewable Diesel and SAF

**Happy Hour Reception – 5PM**

Day 2: Welcome Back – 8AM

**Module #4: Natural Gas Markets**
- North America Gas Market Overview
- Natural Gas Prices and Demand
  - *LAB Model – Key Driver of Demand: Coal to Gas Switching*
- LNG Exports, Feedgas, Projects and the European Impact
- Natural Gas Transportation, Rates and Regulation

**Break**

Appalachian Gas Balance, Egress, and Basis
- Permian Gas: Flow, Capacity, and Pricing Developments
- Certified Natural Gas

**Lunch – 12PM**

**Module #5: Natural Gas Liquids Markets**
- NGL Production, Demand, Price Volatility, and Ethane Rejection
- NGL Exports and International Markets
- Gas Processing

**Break**

Petrochemical (Steam Cracker) Feedstock Margins

**Module #6: Renewables**
- Legacy CO2; EOR; Pore Space
- CO2 Regulation - 45Q
- Green, Blue, and Pink Hydrogen Projects
- Where Do We Go From Here

**Adjourn – 4PM**

**Bonus Material and Lab Modules - Prerecorded**
- Production Forecast Model
- Crack Spread Model
- Refinery Yield Model
- Pipeline Rate Model
- Analytics Flow Data Model
- Frac Spread Model
- Gas Processing Model
- Ethane Rejection Model
- Petchem Margin Model
- Hydrogen Conversions
- Production Forecast
- Petroleum Product Prices and Crack Spreads
- Refinery Yields and Representative Margins
- Estimating Rates for Natural Gas Pipelines
- Gas Market Analytics Using Pipeline Flow Data
- The NGL Frac Spread
- Natural Gas Processing Model
- Ethane Recovery and Rejection Economics
- Petrochemical (Steam Cracker) Feedstock Margins
- Hydrogen Unit Conversion Calculator

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