

School of Energy

MASTER CLASS

NATURAL GAS FLOW ANALYSIS AND PIPELINE MODELLING



APRIL 10, 2024



ONLINE

The Lower 48 natural gas market is one of the most liquid and transparent markets in the world, with granular gas flow data that provides visibility into the billions of cubic feet of gas that move across thousands of miles of pipeline and daily spot and futures price indices for dozens of trading hubs around the country. The key is understanding how to interpret all that data, what it means for gas markets and for your business. It's a tough skill to learn but those elite analysts who can correctly decipher the data can better explain what's going on in the market and anticipate upcoming changes.

At RBN's NATGAS Master Class, learn from the experts how to harness the various datasets and gain a deeper understanding of gas market fundamentals.

Join us for a one-day online event focused on understanding flow analysis, interpreting pipeline data and forecasting future flows. This event provides a unique opportunity to gain a comprehensive understanding of these crucial topics and explore their practical applications through insightful presentations, interactive exercises and discussion. This event will be led by RBN's natural gas expert and principal consultant, Lindsay Schneider.




LINDSAY SCHNEIDER

PRINCIPAL ANALYST AND CONSULTANT

Lindsay Schneider is an energy analyst and consultant with more than 10 years' experience in North American gas, LNG and power markets. Mrs. Schneider is acknowledged as a preeminent expert in natural gas analytics. She was previously a Sr. Manager at Wood Mackenzie covering gas markets with a focus on natural gas pipelines and regional pricing/market dynamics. Prior to Wood Mackenzie, Mrs. Schneider was a fuels analyst for Exelon Generation. She has a BS in mathematics and a BA in economics from the Pennsylvania State University.

☎ 888-613-8874

✉ info@rbnenergy.com

 RBN Energy LLC



MASTER CLASS

REGISTER NOW

Early Bird Rate Through February 29th: \$750

March 1st and on: \$950

Group rates are available by contacting Richard Robinson at rrobinson@rbnenergy.com.

Questions: info@rbnenergy.com
or **888-613-8874**

More Details at
<https://rbnenergy.com/mc>

WHAT TO EXPECT

This event will feature several presentations designed to equip you with the knowledge and skills to effectively navigate the complexities of natural gas markets. It will also include live question and answer sessions throughout the conference.

UNDERSTANDING THE DATA - EBBS, REPORTING REQUIREMENTS AND LIMITATIONS:

Pipelines report natural gas nominations through Electronic Bulletin Boards (EBB). Understand the reporting requirements and the limitations of data and learn best practices for extracting meaningful insights from the available information.

HOW TO READ PIPELINE DATA:

The data is only as good as your ability to understand it. Learn the art of reading and interpreting pipeline data accurately and avoiding common pitfalls.

FLOW ANALYSIS OVERVIEW - WHAT IT IS AND WHAT YOU USE IT FOR:

With data in hand, it's time to translate that into a story. To do that, you'll need to gain a comprehensive understanding of flow analysis, its purpose and how it is best utilized.

MODELING PRODUCTION, DEMAND AND PIPELINES:

For those who know what they're looking at, flow analysis can be used to derive valuable real-time insights about what is happening in the market. Master the techniques of modeling production, understanding demand patterns and identifying market dislocations.

FORECAST REGIONAL DYNAMICS:

Finally, we'll teach you to unlock the secrets of regional balances and understand their impact on the distribution of resources – including what it will mean for future flows and prices. Use these skills to pinpoint key factors influencing regional dynamics and so that you can adapt your strategies accordingly.



MASTER CLASS

PREMIER MENTORSHIP PACKAGES

RBN is now offering the opportunity to supplement the NATGAS Master Class experience for your company with Premier Mentorship Packages.

These programs get you guidance and coaching directly from Lindsay Schneider, RBN's principal consultant and analyst with more than a decade of experience in North American gas, LNG and power markets, who can provide tailored instruction on how to translate natural gas fundamentals data into actionable insights.

Choose among the following options:

- **Company Presentation:** An all-day in person class customized to the needs of your firm. This class can include selected sessions from the [School of Energy](#) in addition to Master Class content.
- **Master Class Encore:** An all-day online class offers a complete replay of the original Master Class experience but with enhanced interactivity and Q&A sessions dedicated exclusively to the concerns of your firm's employees.
- **Custom Scenario:** Targeted training where Lindsay uses the tools from Master Class to analyze a particular region and/or scenario. She will then instruct you and your analysts in how the analysis was conducted and how it can be replicated.
- **Model Review:** An opportunity for Lindsay to check your work – reviewing a project undertaken by analysts at your firm according to the principles from Master Class. This can be a regional balance model or a scenario analysis.
- **Hourly Instruction:** One or more hours of Q&A with Lindsay where your firm's employees may receive answers to any questions they have after viewing Master Class Encore.

For pricing and scheduling options, please contact tjbrazier@rbnenergy.com or call 281-819-1983.



MASTER CLASS

NATGAS MASTER CLASS CURRICULUM:

APRIL 10, 2024

Subject to Change

8:00AM WELCOME & INTRODUCTION

MODULE 1: INTRODUCTION TO PIPELINE FLOW ANALYSIS

- 1.1 Welcome & Introduction
- 1.2 Flow Analysis Overview
- 1.3a Understanding The Data: EBBs and Reporting Requirements
- 1.3b Understanding The Data: How to Read Pipeline Data
- Q&A**

MODULE 2: MODELLING WITH PIPELINE FLOW DATA

- 2.1 Modelling a Pipeline
- Q&A**

BREAK

- 2.2 Modelling Production
- 2.3 Modelling Demand
- Q&A**

LUNCH

MODULE 3: BUILDING A REGIONAL BALANCE

- 3.1 Building a Regional Balance
- Q&A**

MODULE 4: RATES, FLOWS, UTILIZATION & PRICES

- 4.1 Prices, Rates, and Utilization
- Q&A**

BREAK

- 4.2 Flows and Price Spreads
- Q&A & Working Session**

BREAK

MODULE 5: LOOKING AHEAD/FORECASTING

- 5.1 Forecasting Overview
- 5.2 Arrow & RBN Forecasts
- Q&A**

4:00 – 5:00 PM WRAP UP & DISMISSAL