



NATURAL GAS BASICS

Course Outline

Essential Knowledge for Producers and Users of Natural Gas

This is the essential seminar for anyone who seeks to understand the elements of the natural gas industry from exploration through delivery to the home or industry; commonly referred to as "from wellhead to burner tip". The seminar features hands-on activities, numerous industry standard documents and hand outs, knowledge assessments and a substantial course binder.

8:30 - 9:30 AM

The Natural Gas Grid

Gas composition and measurement
Heating value
Quality

9:30 – 10:30 AM

Exploration and Production

Mineral leasing
Pipeline operations
Midstream sector
Compression
Natural gas processing
Fractionation

10:30 – 11:30 AM

Transmission Pipeline Operations

Pipeline right of way
High pressure compression
Pipeline control centers
Safety
Storage
Liquefied natural gas

(continued)

12:30 – 2:00 PM	Natural Gas Economics Pipeline economics Midstream economics Processing economics LDC economics Transmission / transportation economics Interruptible and firm transportation Natural gas hubs
2:00 – 3:00 PM	Gas Marketing Midstream gas marketing Transmission and LDC areas Gas players Gas pricing Hedging History of the exchange Gas marketing strategies
3:00 – 4:00 PM	Regulated and Subsequent Deregulated Times Historical summary Restructuring and deregulation Historical gas prices Form gas contracts Gas scheduling and nominations Nominations and scheduling procedures Allocations and balancing
4:00 – 4:30 PM	Today and Tomorrow Prices Hot exploration and production areas

