

Workshop on Natural Gas Industry
for the Ghanaian Delegation
by the Center for Energy Economics,
Bureau of Economic Geology
University of Texas at Austin
in collaboration with NARUC
February 15
NARUC Winter Meetings
Washington D.C.

Agenda

9:00-10:30

Overview of physical infrastructure

- Gathering & processing
- Transportation via larger diameter long-distance pipelines through high pressure compression
 - Metering
 - Supervisory Control and Data Acquisition (SCADA)
- Local distribution via smaller diameter pipeline network through low pressure compression
 - Metering
- Storage
 - Underground geological
 - Liquefied natural gas

10:45-12:00

Natural Gas Value Chain Investment Considerations

- Uses & customers
- Regulated infrastructure
- Pipeline cost structures
- Case studies

12:00-14:00

Lunch

14:00-17:00

Considerations for Ghana

- Building the pipeline infrastructure
 - Transmission versus distribution
 - Public versus private investment / ownership
 - Cost recovery (tariffs)
 - Awarding distribution franchises
- Competitiveness of natural gas
 - Industrial uses
 - Power generation
- Opportunities for new uses of natural gas
 - Transportation sector
- Natural gas markets
 - Bundled and unbundled services
 - Spot, forward and futures markets
- International pipelines
 - Agreements & disputes
 - Security & diversification