

GALLERIES AND KEY COMPONENTS OF THE TOM HUNT ENERGY HALL

Energy Overview Video

Geology Gallery

- How Much Energy?
- Energy All Around Me
- Test Your Energy IQ
- Hydrocarbons, Coal, Nuclear and Others

Drilling and Production Gallery

- Hydrocarbon Generation
- Continental Drift
- Formation - Traps, Porosity and Permeability
- Migration Wall - Source, Traps, Seals
- Geophysical Tools
- Geologic Tools
- Formation Characteristics
- 3D Visualization Room
- Types of Plays
- Drilling
 - Conventional
 - Horizontal/Directional
 - Drilling Mechanics-how rigs work
 - Completion
- Production
 - Facilities
 - Hydrocarbon Basics
 - Gas Plants & Refineries
 - Pipelines/Terminals
 - LNG
 - End Uses

The Barnett Shale Gallery

- Map of Barnett Shale - Activity Scene
- Geology - Shale Characteristics
- Technological Improvements
- Shale Voyager
- Challenges of Urban Drilling and Development
- Pipelines
- Current Events in the Barnett Shale

Electrical Power Generation and Transmission Gallery

- Conventional Sources
- Generation of Electricity
- Transmission of Electricity
- End Users

Alternative Energy Sources Gallery

- Solar
- Wind
- Hydroelectric
- Geothermal
- Biomass
- Nuclear
- Ocean Thermal
- Fuel Cells
- Hydrogen

Future Energy Challenges Gallery

- Environmental Impacts
- Conservation Steps
- Future Conservation
- Future Technologies
- What Ifs?

Distinguished Lecture Series

Town Hall Meetings

Teacher Workshops/Training Classes