

Energy Industry Workforce Summit



Today





Global Long-Term Demand for Energy

Today

453 QBtu / Year

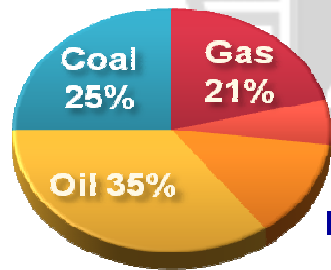
Energy market is growing

+55%

2030

703 QBtu / Year

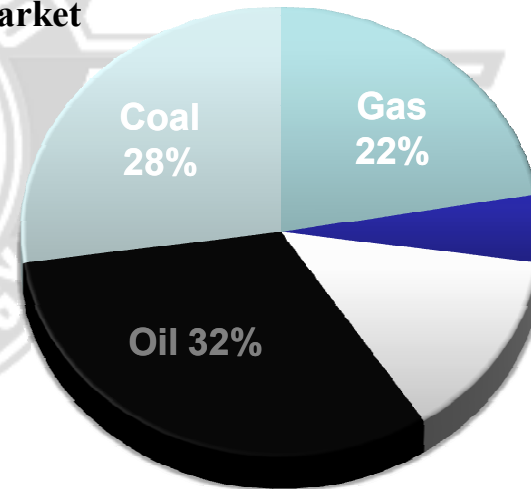
Coal to become larger share of growing market



Nuclear
6%

Renewables
13%

World



Nuclear
5%

Renewables
13%

During which time coal use grows by 84 Quadrillion Btus

Source: DOE NETL



China Rising





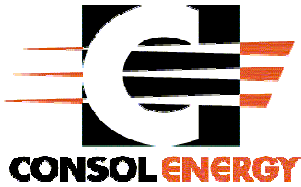
India's Goal: “Power for all by 2012”





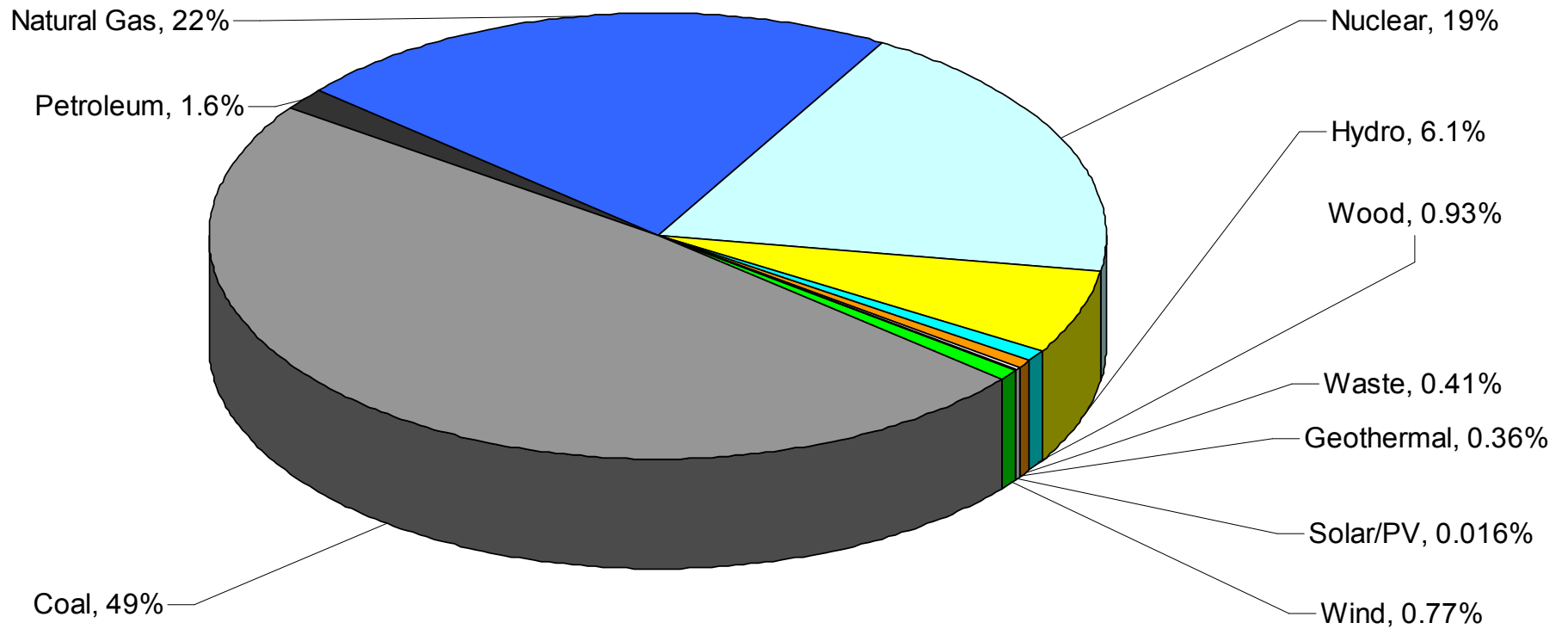
PORT OF BALTIMORE





Coal is Leader in Power Generation Market

2007 Electric Power Generation

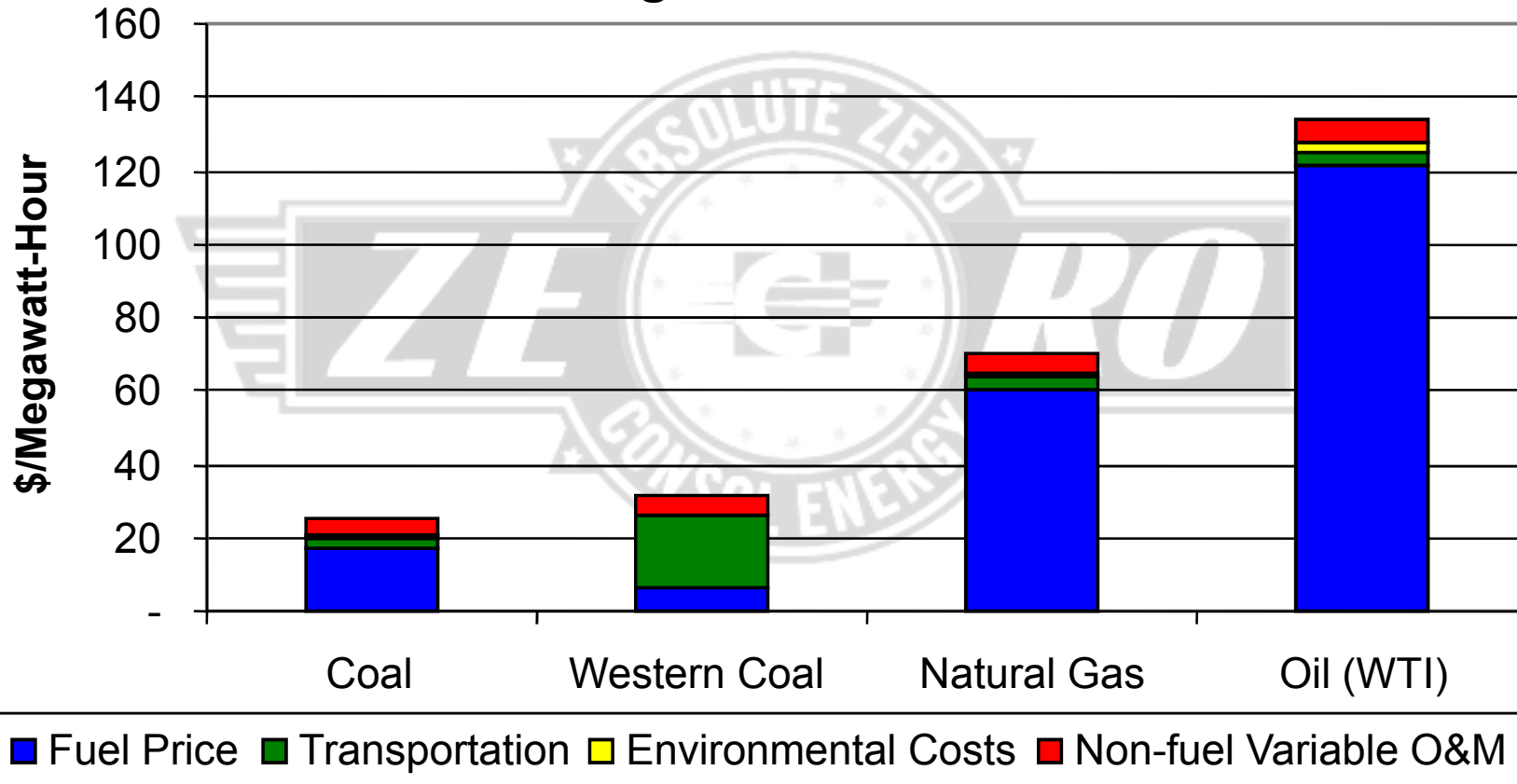


Source: Energy Information Administration, *Annual Energy Outlook 2008*



Coal is the Most Economical Fossil Fuel

Cost of Generating Power from Various Fuels





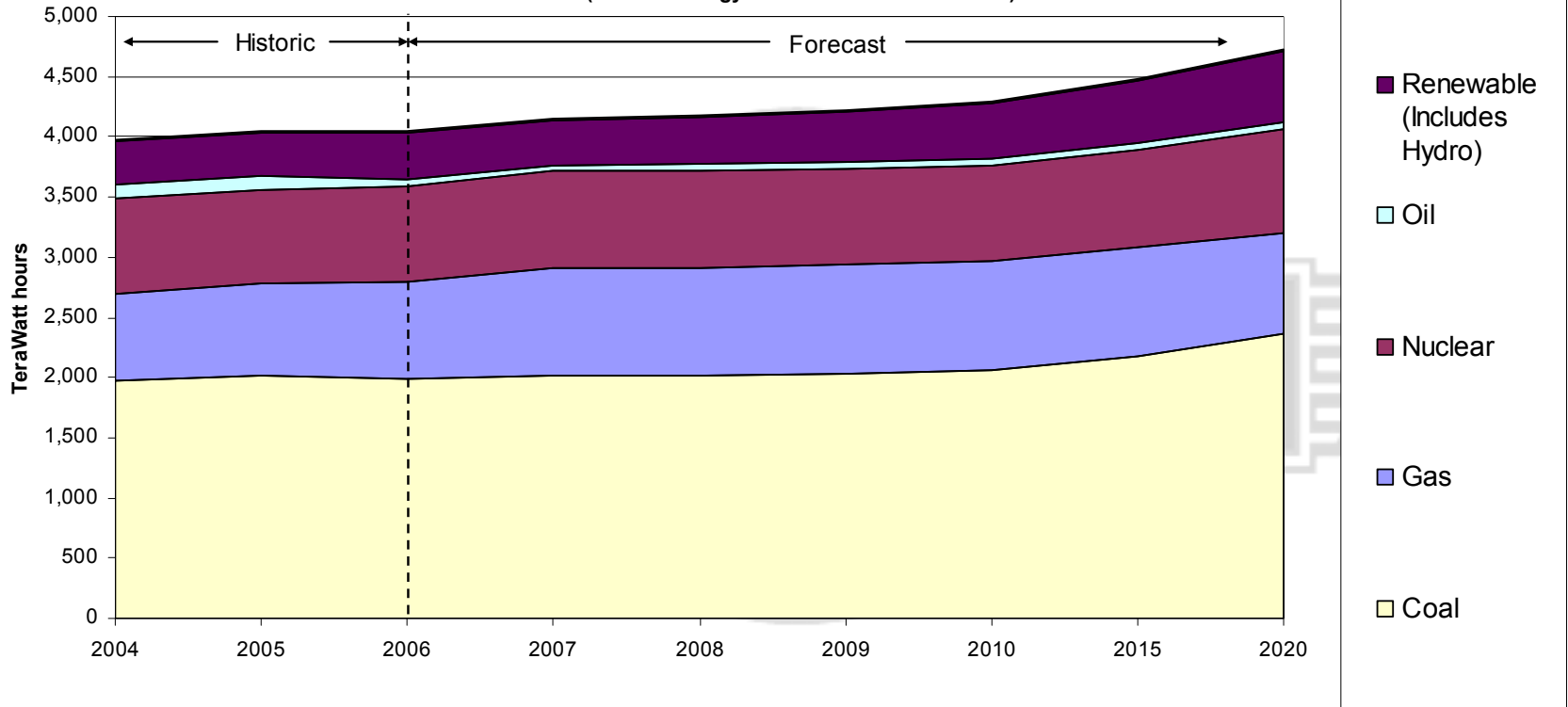
Fuel Facts

- One ton of coal equals 3.8 barrels of oil, 189 gallons of gasoline, one cord of seasoned firewood, 21,000 cubic feet of natural gas, and 6,500 kilowatts of electricity.

Fuel Source	unit	Btu's
Bituminous coal	one ton	24,050,000
Fuel Oil	one barrel	6,287,000
Kerosene	one barrel	5,670,000
Gasoline	one barrel	5,248,000
Natural Gas	one cubic foot	1,031



U.S. Power Generation
(Source: Energy Information Administration)





100 Million Sold





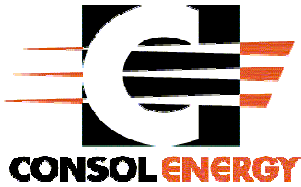
Workforce Challenges

- Over 4000 employees hired 2004 – 2008
 - Technical, Management and Hourly Workers
 - Engineers and Operations Supervisors
 - Mechanics, Electricians and Equipment Operators
- Supply and Demand Conundrum
- Poaching and Retention
- Training and Development



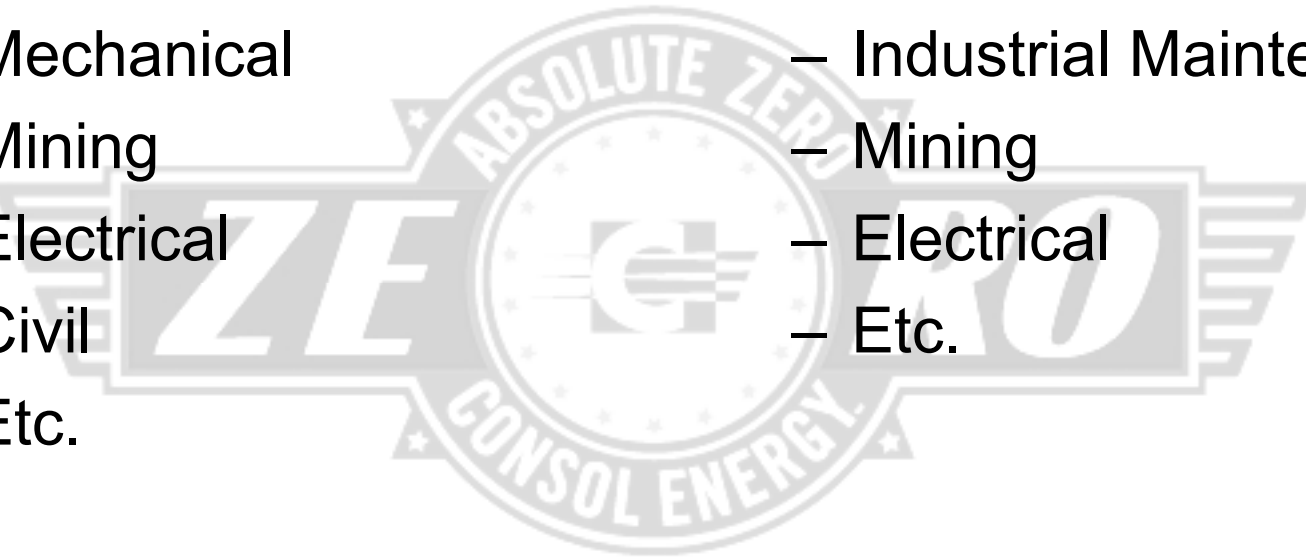
Workforce Solutions

- Proven Safety Culture
- Executive Management Support and Engagement
- Strong Recognizable Brand
- Sound Recruiting Strategy
- World Class Training and Development Processes



Our Industry Needs

- Engineers (BS)
 - Mechanical
 - Mining
 - Electrical
 - Civil
 - Etc.
- Technicians (AS)
 - Industrial Maintenance
 - Mining
 - Electrical
 - Etc.





CNX Center

Opening September 08



Thank you.



 **CONSOL ENERGY**
America's On Switch.