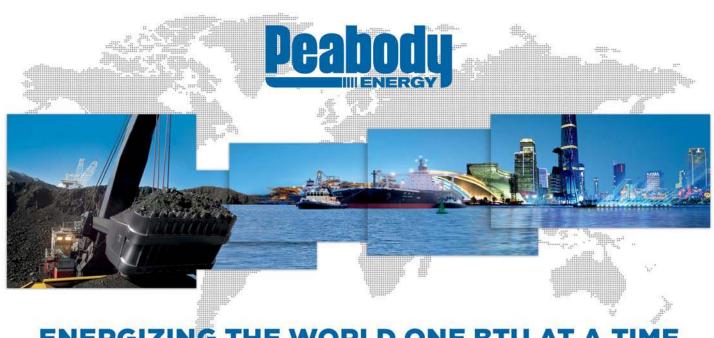
Sustainable Energy Solutions from Clean Coal

Rebecca Kujawa Vice President **Business Development**

March 1, 2012

Indian Energy Forum



ENERGIZING THE WORLD ONE BTU AT A TIME

Sustainable Energy Solutions from Clean Coal



Key Discussion Points

- Coal Markets
- Clean Coal Technologies
- Sustainable Partnerships



Coal is the Power Energizing the World



Our Energy Needs in Perspective: In Just One Day...

Global Population Will Increase By

210,000

300,000
Twitter Accounts Will Be Opened

650,000

People Open an Internet Account

100,000

People Will Move to Cities in China and India

160,000

New Cars Will Be Sold

19 Million Metric Tons
of Coal Will Be Used

3

World is Experiencing an Enormous Wave of Energy Demand



Extraordinary Global Growth by 2050...

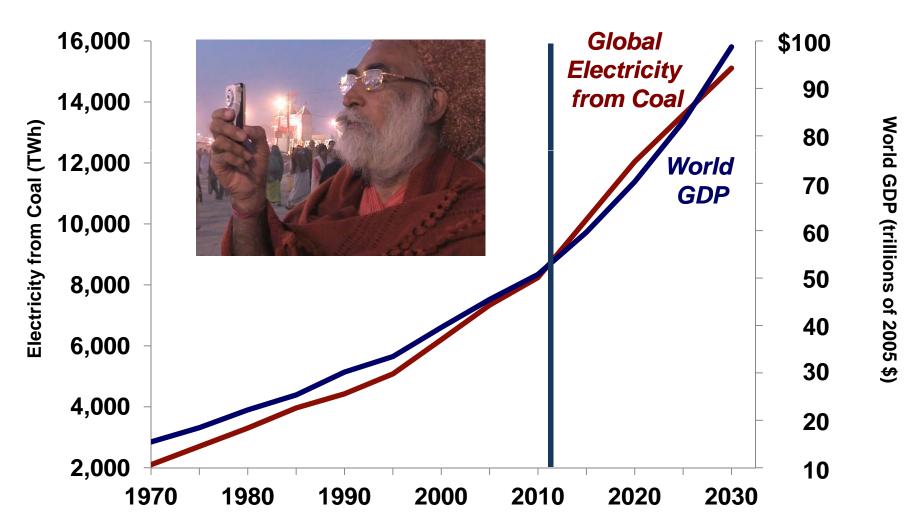
- World population reaches 9 billion
- Electricity generation up 130%
- Steel production up 275%
- Global GDP up 270%
- 16 billion tons of coal used annually



Coal Powers Economies in Perfect Step with GDP Growth

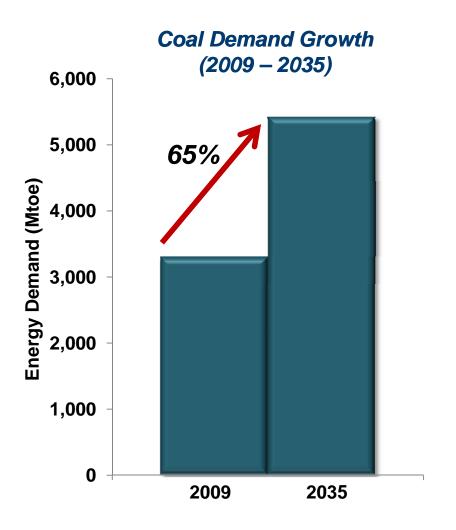


"The Economic Miracle" Powered By Coal



Global Coal Use Overtakes Oil as Largest Energy Source by 2035



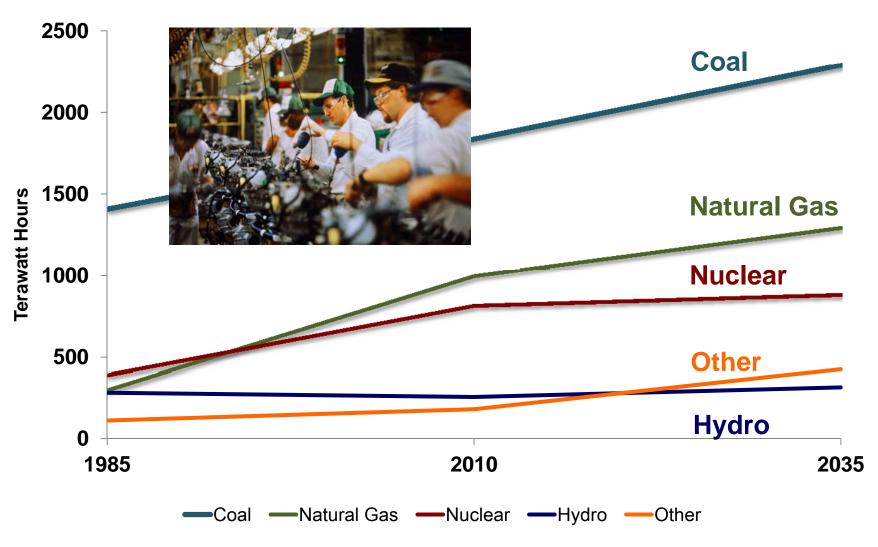


- Energy growth from coal:
 - 30% greater than natural gas growth
 - Double the oil growth
 - Twice the current global use of nuclear, hydro and other renewables combined

Coal the Long-Term Leader for U.S. Power



Coal Powers More Than Nuclear and Gas Combined in 2035

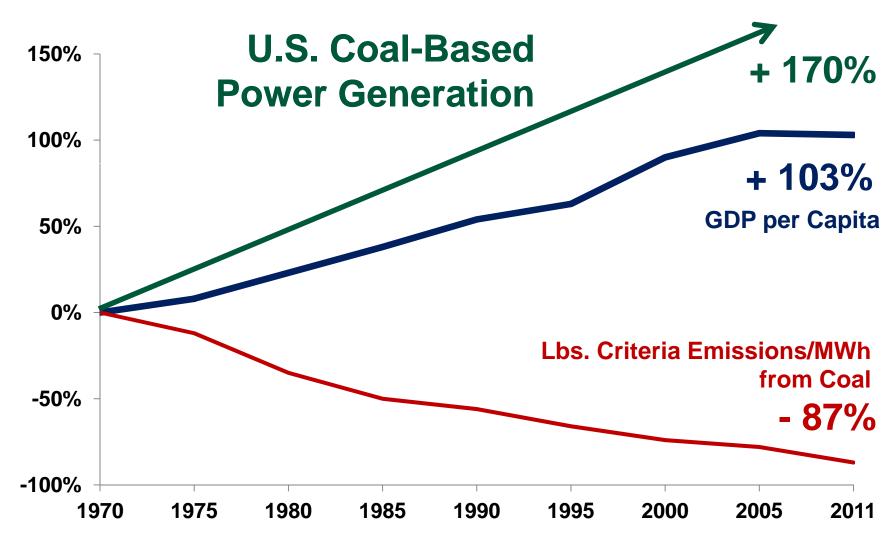




Advanced Technologies Drive Environmental Progress



U.S. Emissions Decline 87% Since 1970 as Coal Use Nearly Triples



Clean Coal Creates Green Jobs, **Environmental Benefits**



Prairie State Prairie State expected to **Energy Campus,** Southern Illinois generate 1,600 MW for grid by May 2012 \$1 billion invested in environmental technologies Emissions rate 80% below average of U.S. fleet CO₂ emissions rate 40% lower than oldest plants Generates \$100+ million in annual economic benefits 450 jobs at plant and mine

Peabody Plan: Boosts U.S. Energy, Economic and Environmental Solutions



Five Key Steps to Alleviate Energy Inequality

- Ensure at least half of new generation from coal
- Replace older coal plants with supercritical plants
- Develop 100 CCS projects in a decade
- Deploy coal-to-gas, coalto-chemicals, coal-toliquids
- Commercialize near-zero emissions technology



Peabody Plan Energizes Economies With Green Coal



- Replacing traditional U.S. coal plants with supercritical plants would drive reindustrialization
- Benefit of constructing these plants includes:
 - \$1.2 trillion increase in economic output
 - 5.9+ million jobs
 - \$505 increase in personal income
 - \$213 billion in tax revenues



China Leads Global Technology Path With GreenGen



GreenGen: Among World's Largest Near-Zero Emissions Coal Plants



Control Room at GreenGen in Tianjin, China

- Peabody only non-Chinese partner in GreenGen
- Multi-phase power project with carbon capture and carbon research center
- First 250 MW unit commissioning under way
- Expected on line first quarter 2012



Peabody is World's Largest Private-Sector Coal Company

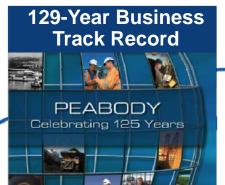


Leadership Position in U.S. Market and Growing Global Presence



Peabody Uses Sustainable Development Model









Peabody's Proven Model









Recognized Globally for Setting the Environmental Standard



Six Environmental Awards in the U.S. Australia and Asia in 2011



Powder River Basin

Black Mesa

Peabody Has History of Successful Mine Development



50 Years Ago

- Huge, untapped resource housing America's largest reserve
- 100-foot low-sulfur coal seams among cleanest in the world
- Landlocked, limited infrastructure, no mainline rail

Today

- Largest U.S. coal region, leading U.S. production for two decades
- Provides fuel for one-third of U.S. electricity from one county
- Peabody's PRB flagship is world's largest and most productive coal mine

50 Years Ago

- Remote, landlocked region sparsely populated by traditional tribal people
- Sovereign nations own reserves and have able workforce

Today

- 40+ year tribal partnership; created \$12+ billion in economic benefits
- Model for sustainability recognized globally

Arizona Operations: \$12+ Billion In Economic Benefits Over Time





Quality of Restoration Important for Traditional Land Use



"We Will Leave Land in a Condition Equal to or Better Than We Found it."



- Collaboration with area residents promotes good range management
- Residents have access to productive reclaimed range under Peabody control
- Program provides framework for long-term sustainability of range

Mining Builds Communities Through Excellence in Education





- Peabody contributes \$360,000 annually in Navajo and Hopi scholarships
- Peabody helped develop infrastructure to "wire" town of Forest Lake; awardwinning program recognized nationally
- Virtual classroom contains
 15 work stations with video conferencing & Internet access to high school



Coal is the sustainable energy solution for the long haul... and clean coal technology is the path for green jobs and environmental goals.

Sustainable Energy Solutions from Clean Coal

Rebecca Kujawa Vice President **Business Development**

March 1, 2012

Indian Energy Forum



ENERGIZING THE WORLD ONE BTU AT A TIME