

Illinois Mining Institute



“The Great American Coal Mining Industry”

By

Bill Reid

Publisher and Managing Editor, Coal News, Inc.

August 21, 2012



“Norwood”, Crossgates, Fife, Scotland



Norwood



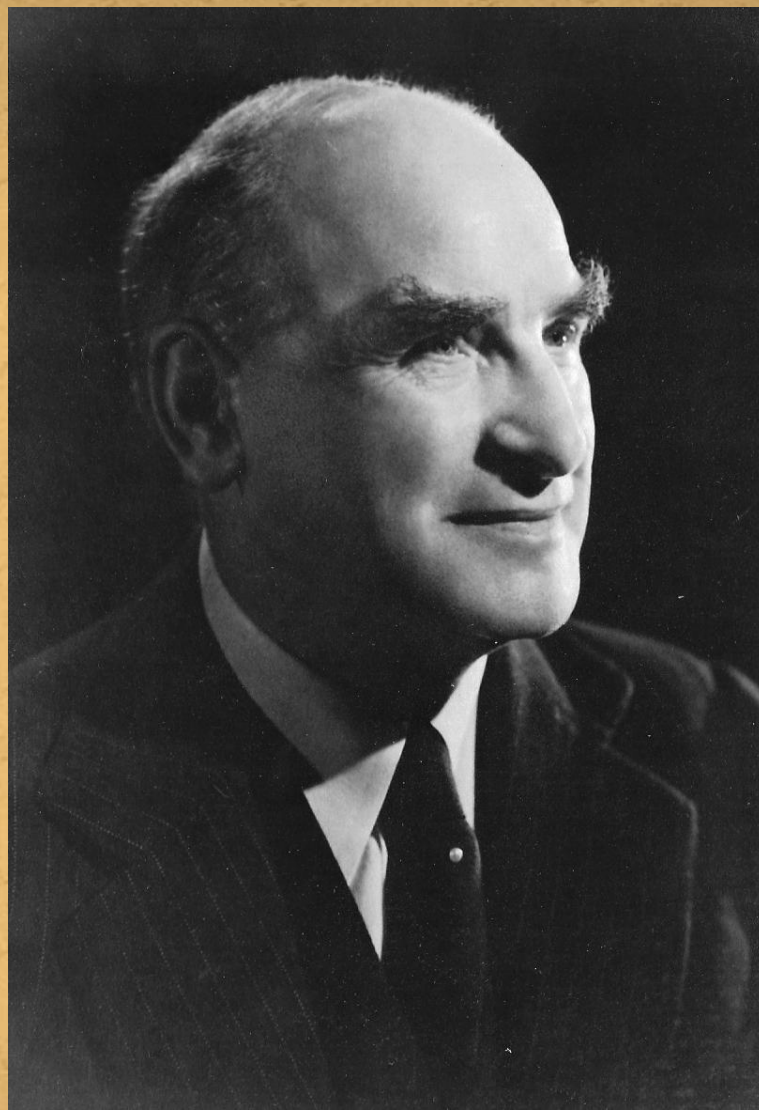
Norwood Looking South



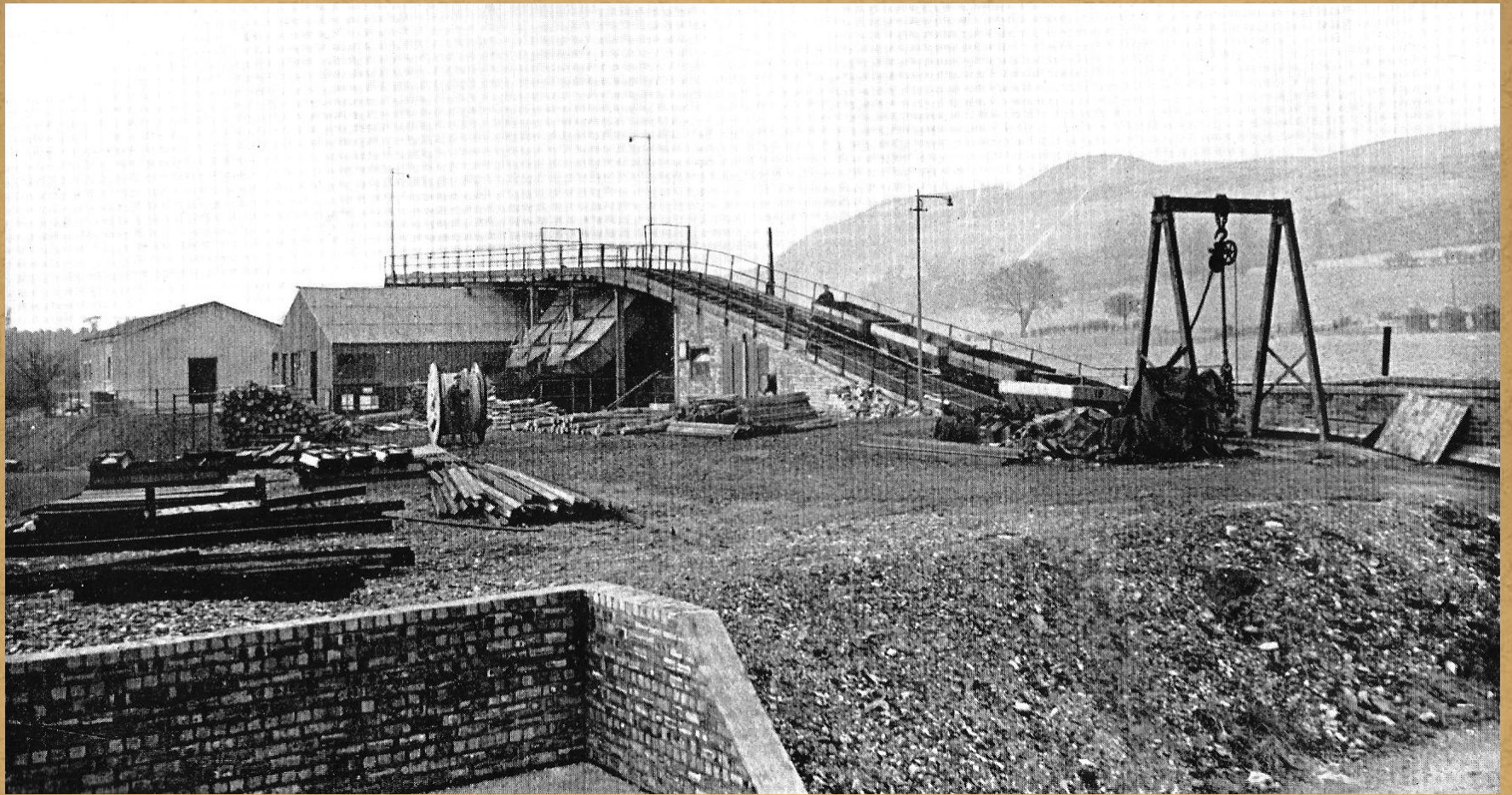
Davie Gibson and Bill Play Fitba, Bea and Dad Watch, "Norwood



Dad



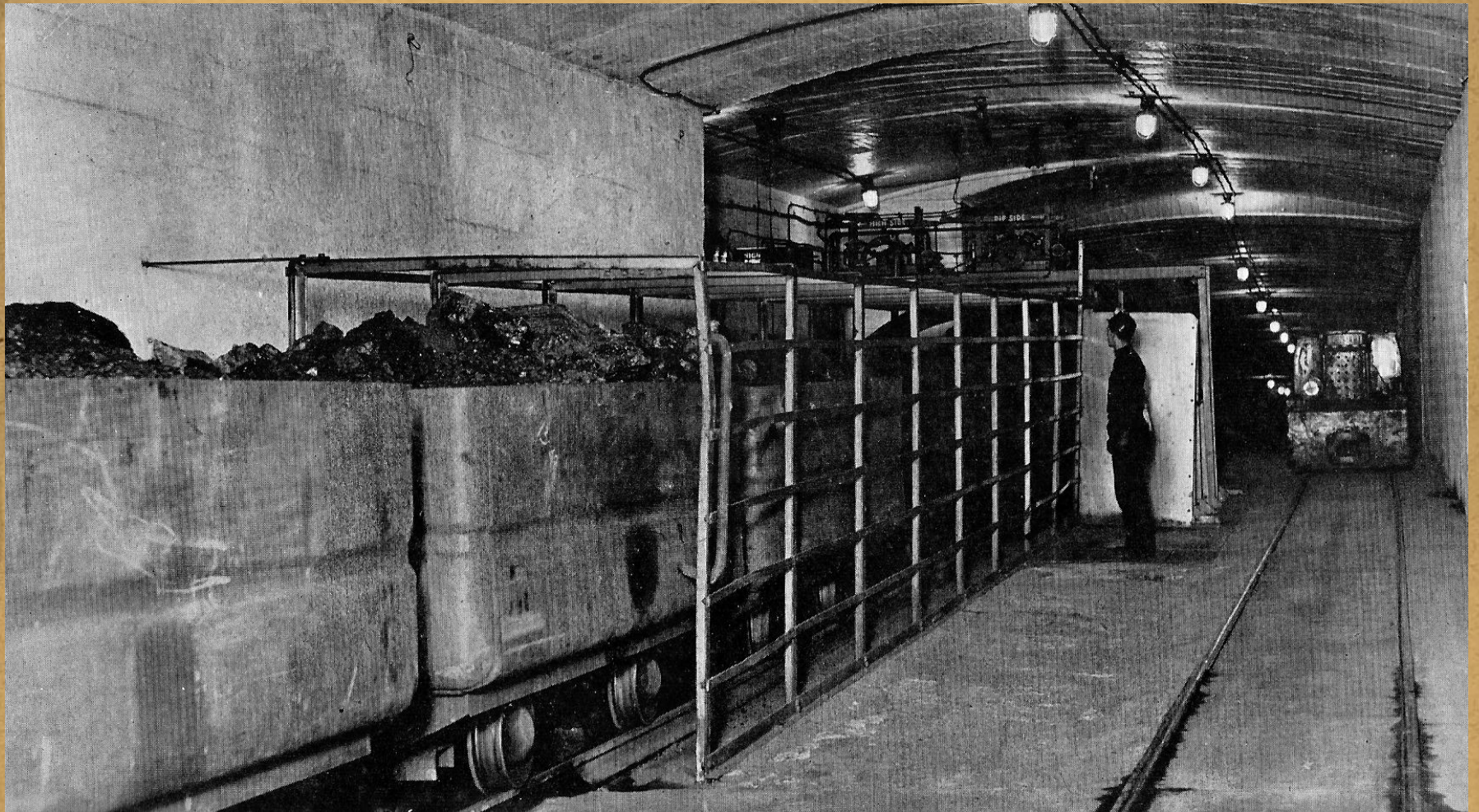
Grandfather Reid



Benarty Mine, Fife, Scotland



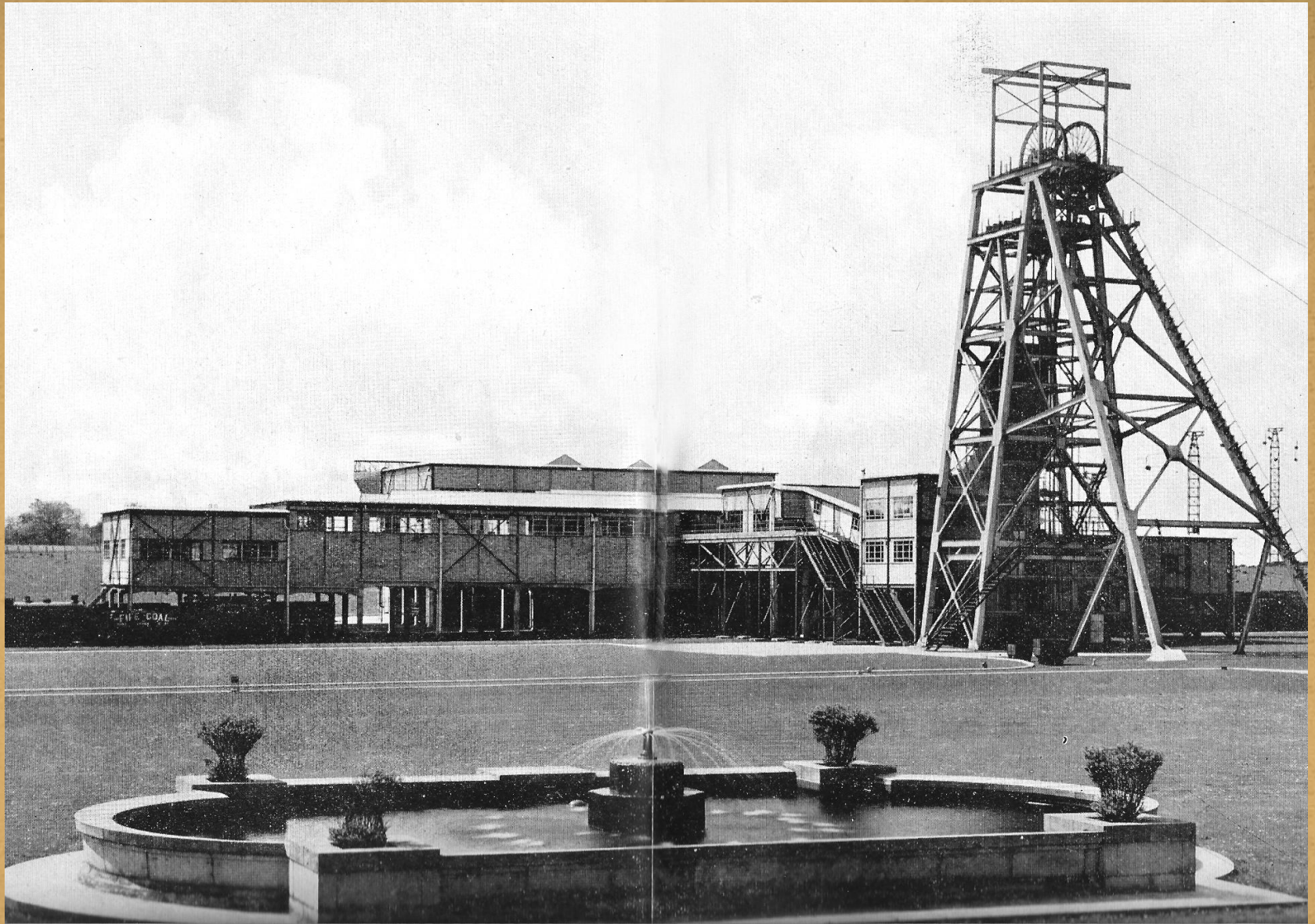
Comrie Colliery
Manshaft with Airlock, Fanhouse, Winder House and Locomotive Shed



Comrie Underground Tippler



Comrie Colliery Underground Junction



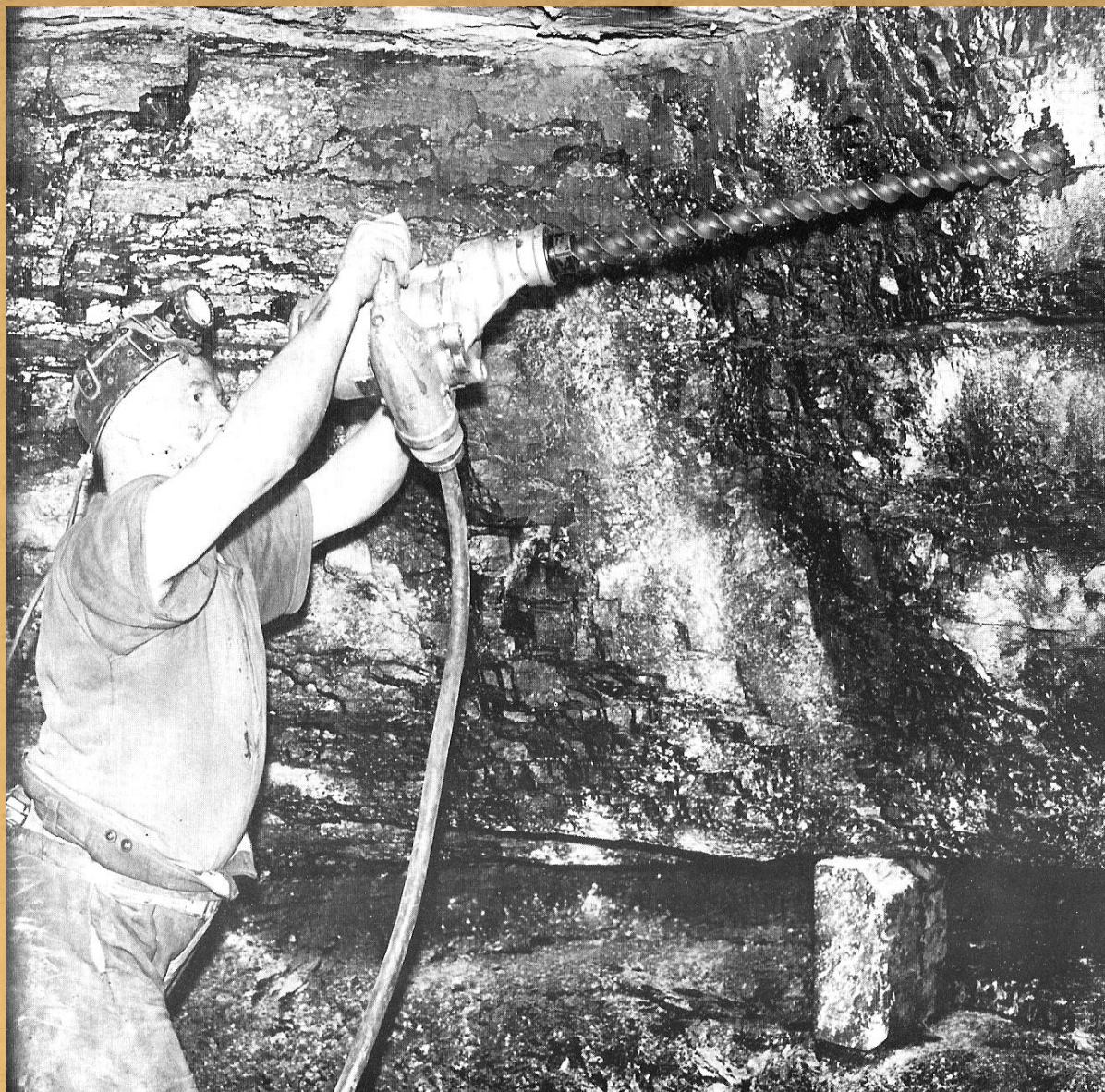
Comrie Colliery Goldfish Pond



Hazlerigg Colliery, Northumberland, England



Timbering Up Single Jib Cutting Machine



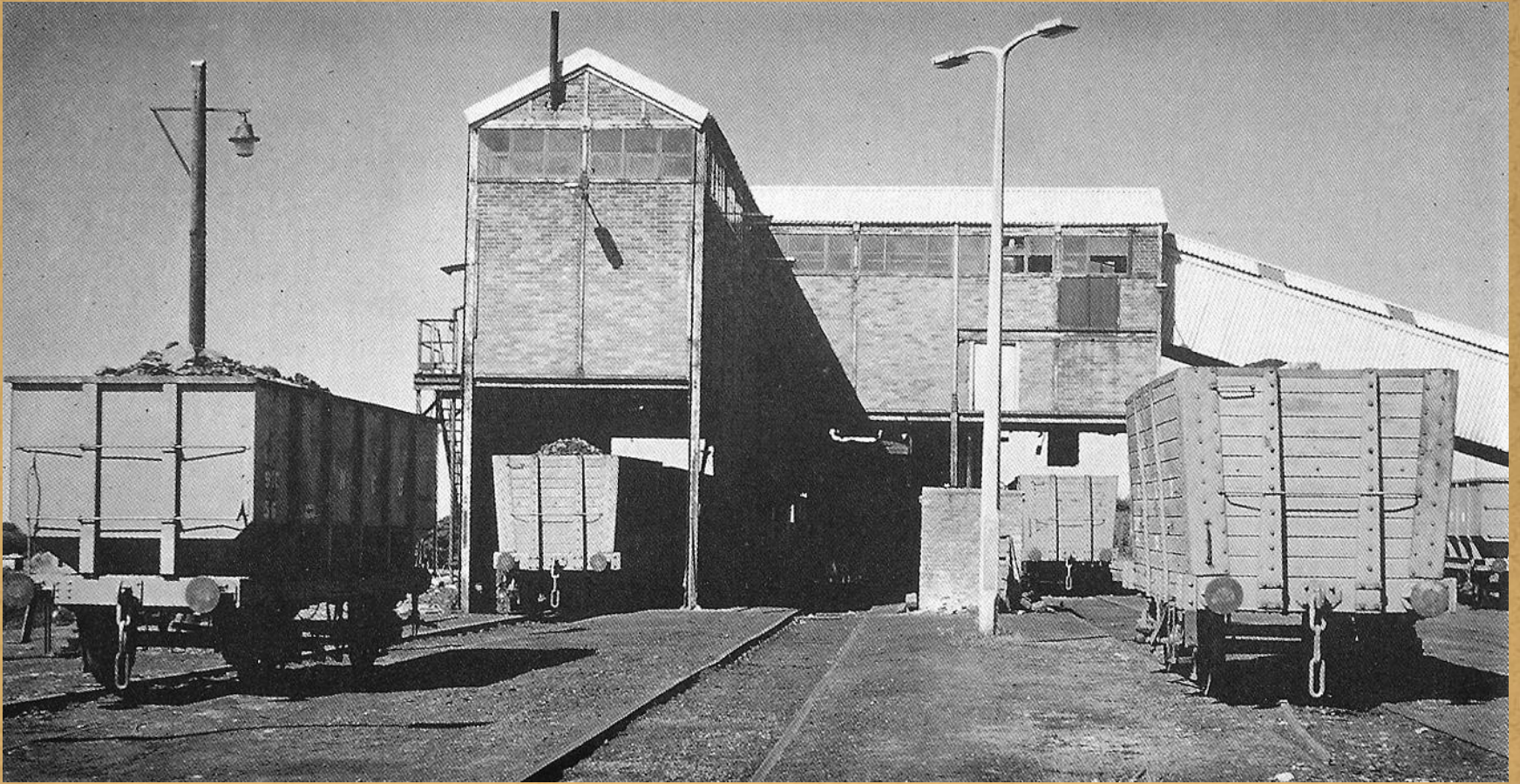
Miner Using Electric Drill



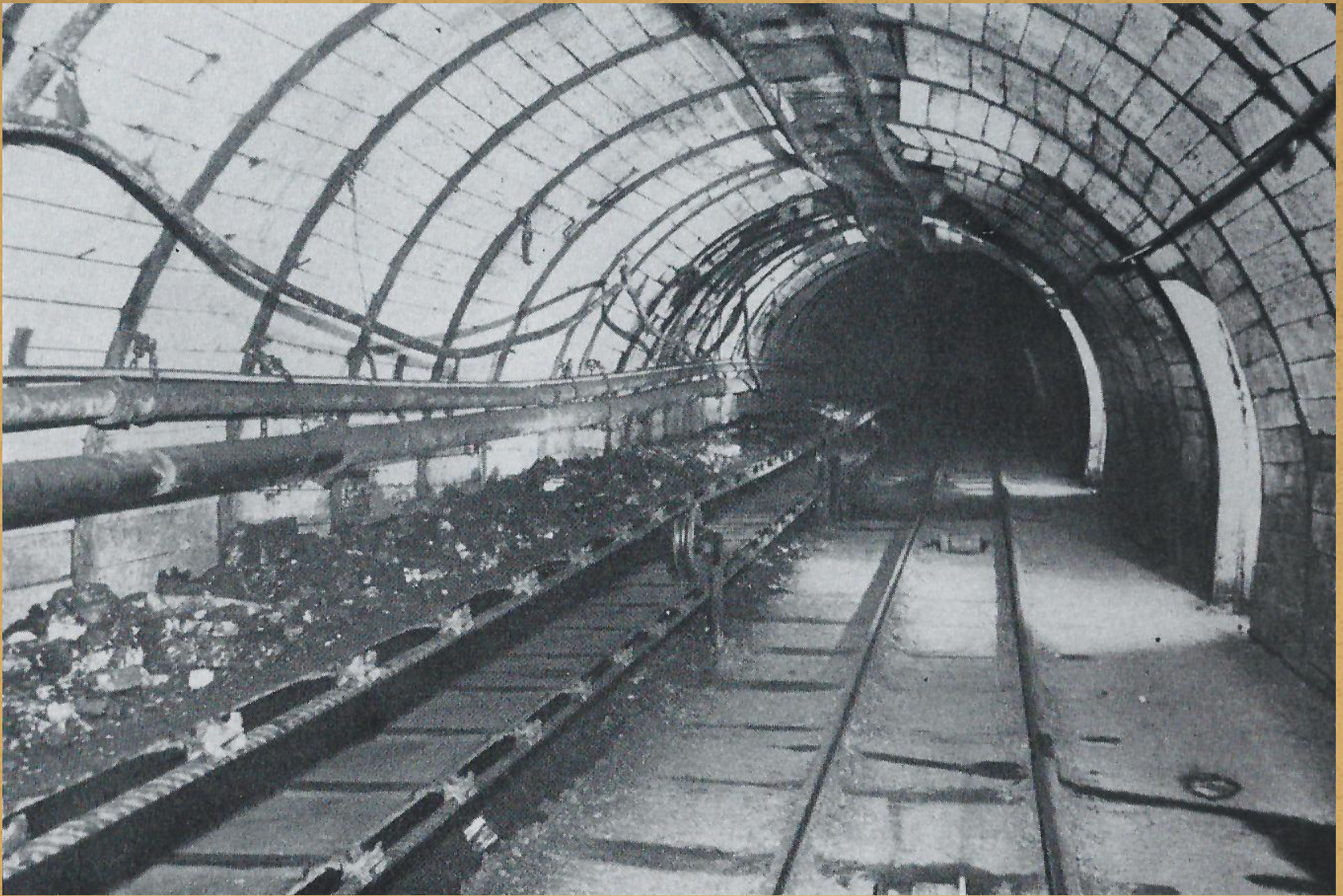
Building Wooden Chocks on the Longwall



Havannah Drift Mine, Northumberland, England



Havannah Drift Converyor and Screens



Main Drift Rope Haulage Conveyor

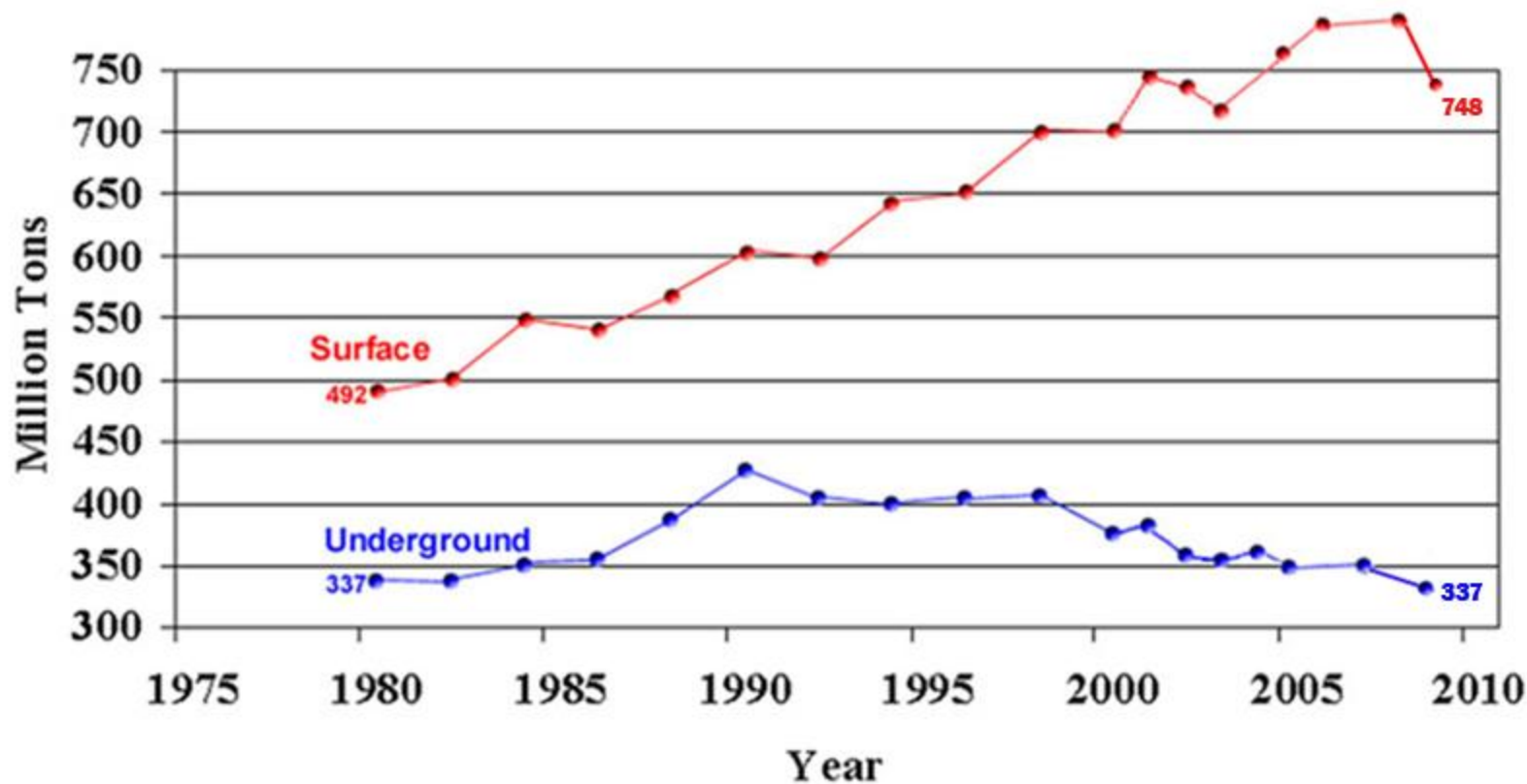


Longwall Face in the Beaumont Seam

American Coal

Coal News
Coal's Foremost Publication

U.S. COAL INDUSTRY



2010 Production Total – 1,100 million tons

1980 Production Total – 829 million tons

SURFACE MINING

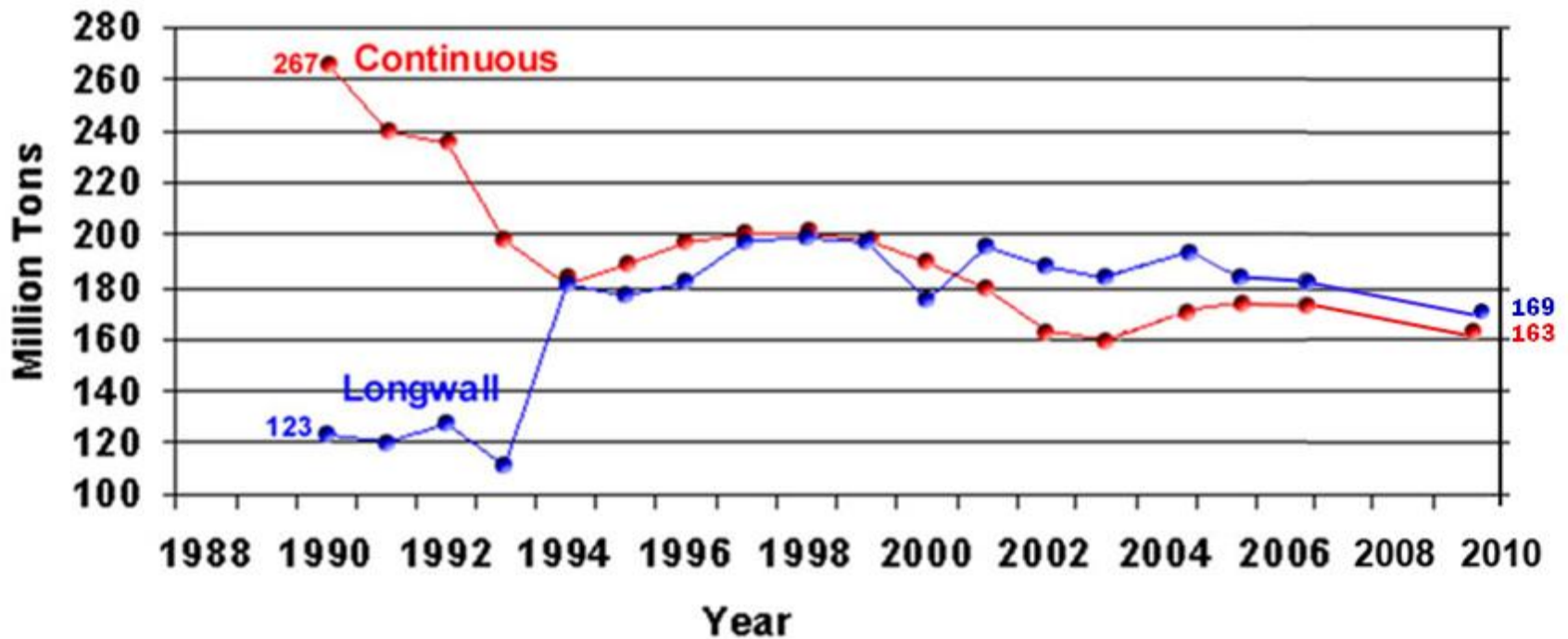


Courtesy of Caterpillar

2010 Production Total – 748 million tons

1980 Production Total – 492 million tons

UNDERGROUND MINING



Longwall Increase – 50%

Continuous Decrease – 35%

CONTINUOUS MINING



Photo Courtesy of Joy Mining Machinery

Remotely controlled continuous miner

Computerized self-diagnostics

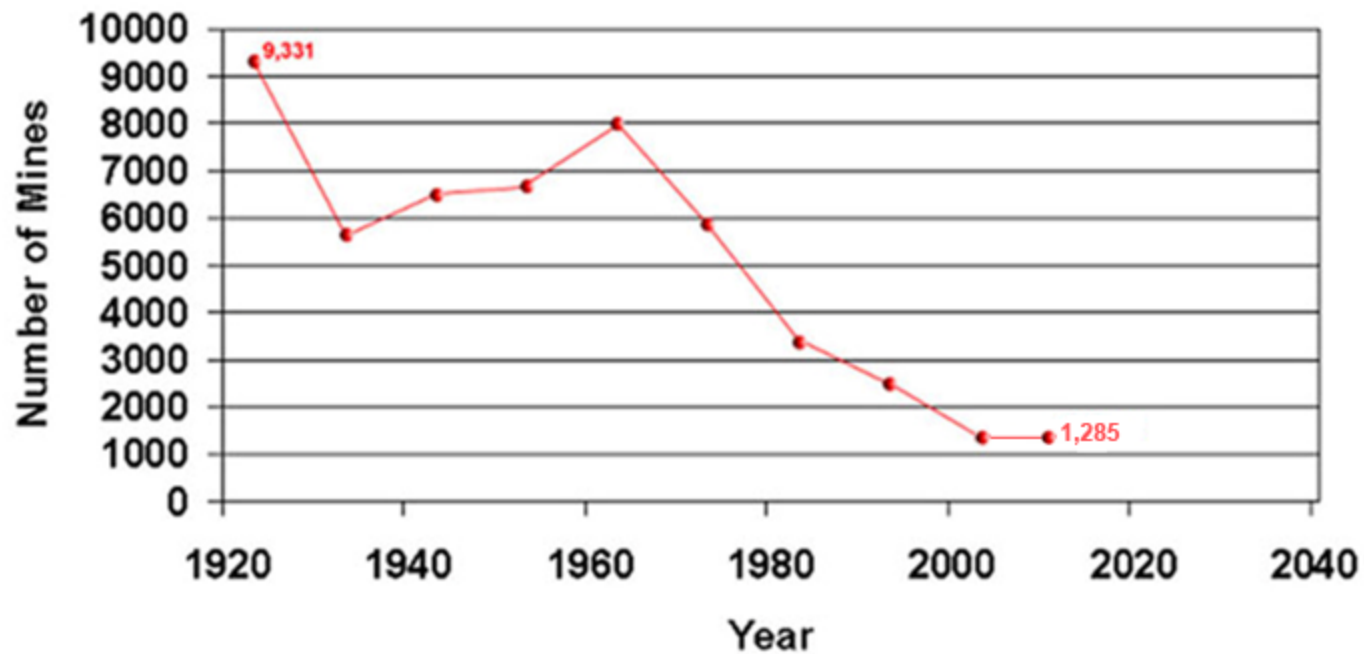
LONGWALL MINING



Photo Courtesy of Joy Mining Machinery

Operator uses remote controls to direct shearer
Computerized shields advance with mining

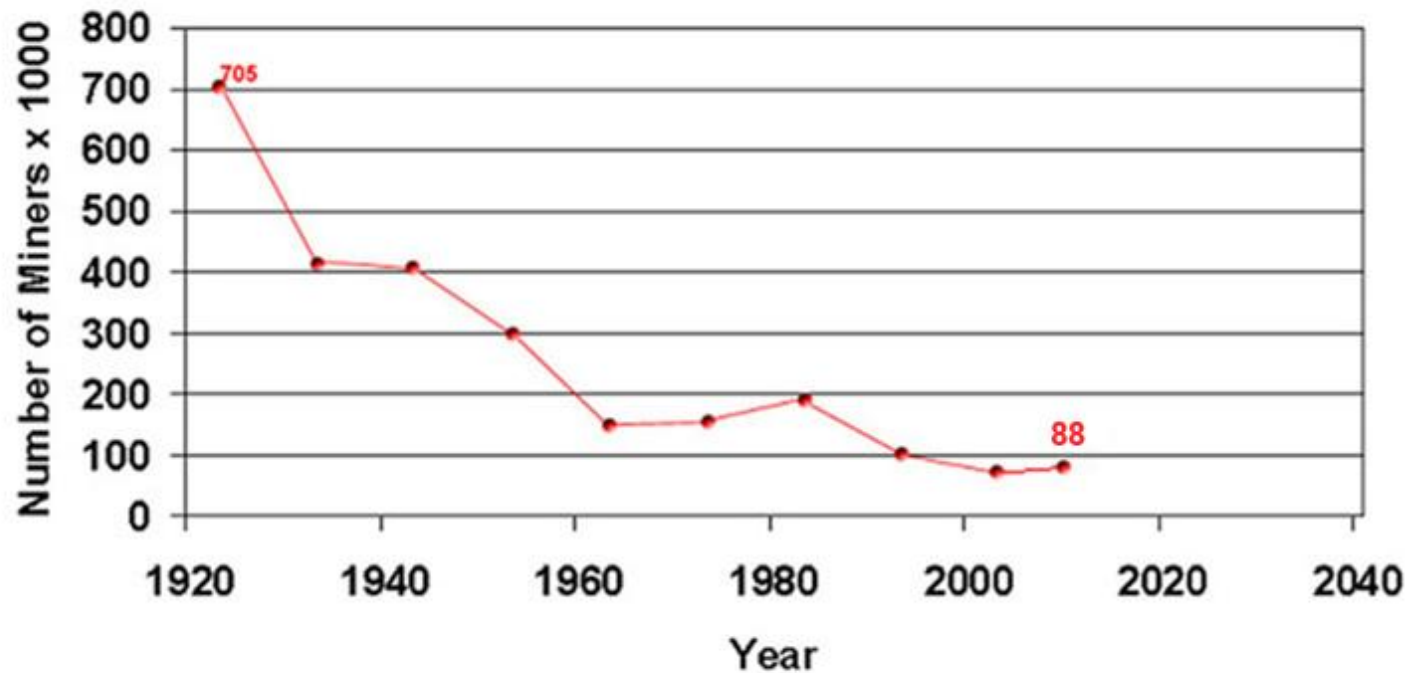
NUMBER OF COAL MINES



Underground 497, surface 760

Since 1980, reduction of 85%

NUMBER OF MINERS

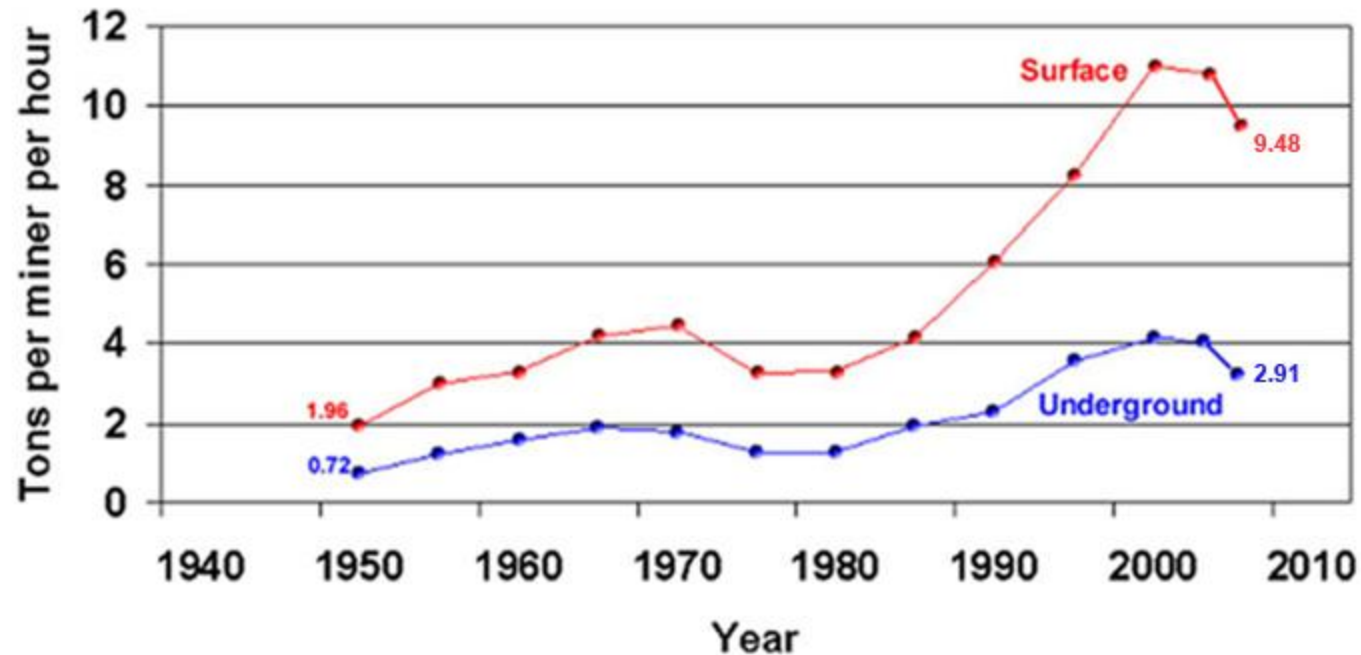


Underground 50,515 Surface 35,542

Since 1980, reduction of 90%

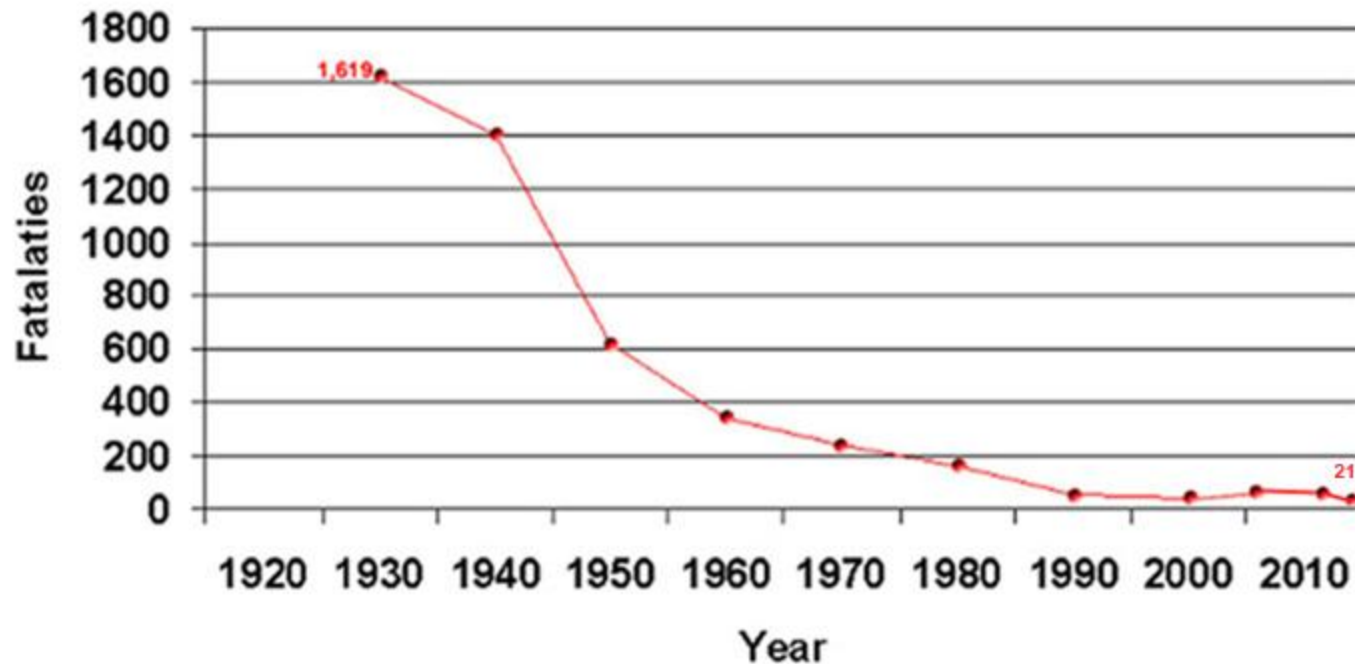
PRODUCTIVITY

World Beating Productivity



Since 1980, productivity tripled

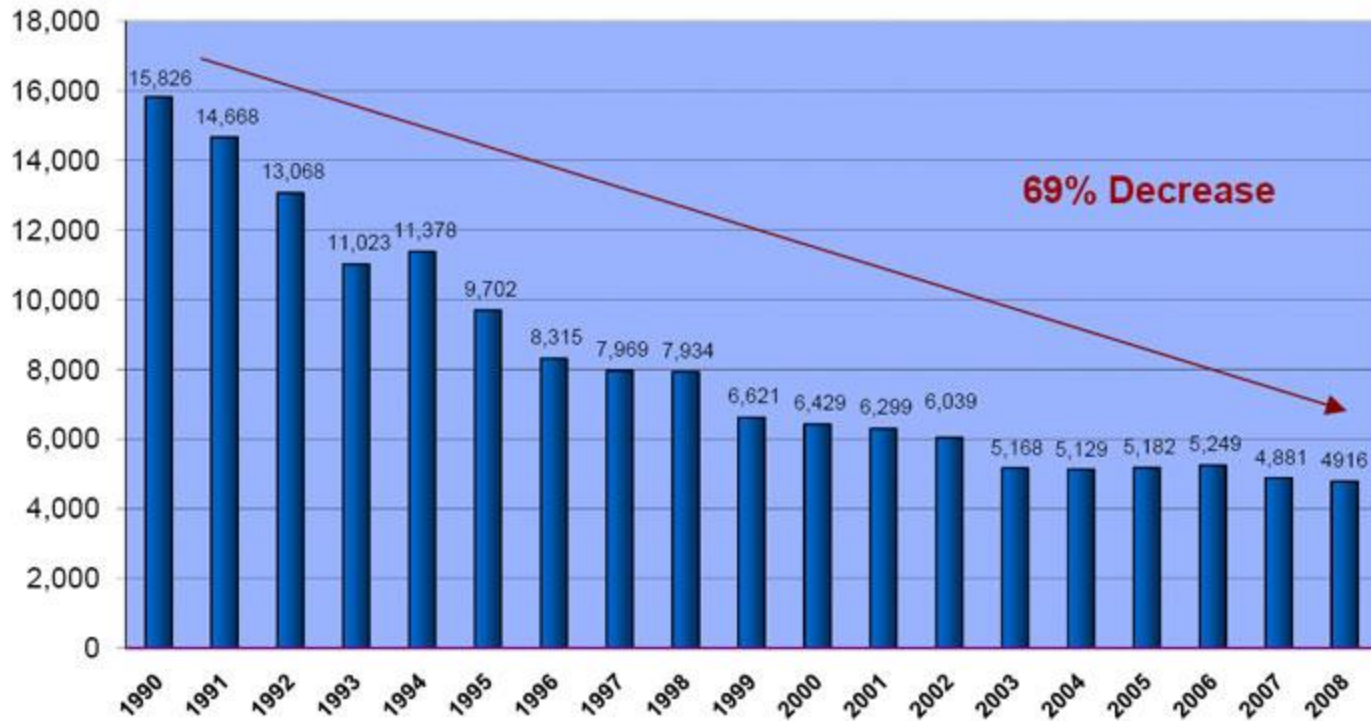
FATAL ACCIDENTS



2010 was the lowest year with 21

Coal mining now one of the safest industries

U.S. Coal Mining Record of Reduction Total Injuries, 1990-2008



Source: Mine Safety & Health Administration (MSHA)



ENVIRONMENTAL STEWARDSHIP



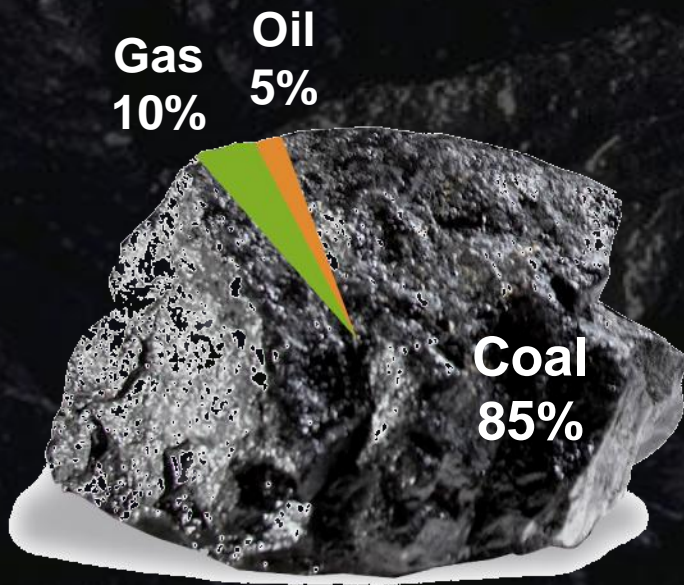
Courtesy Peabody Energy

When mining is complete, much of the land is returned to a condition better than before

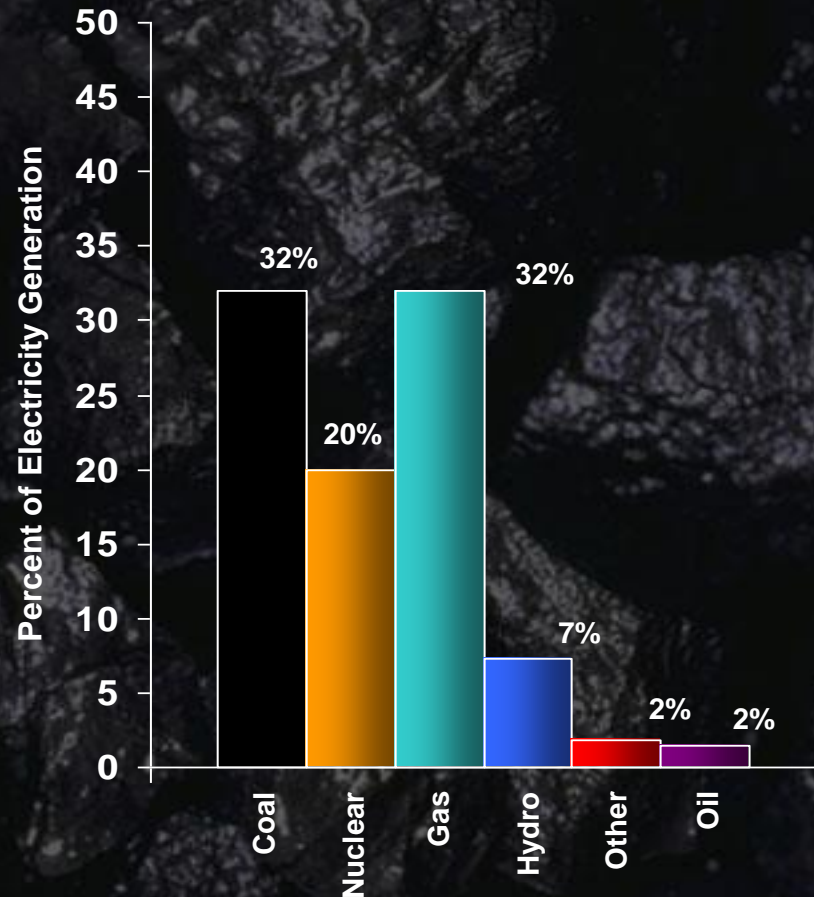
More than 2 ¼ million acres of land restored to productive use

U.S. COAL INDUSTRY

U.S. Fuel Resources



Electricity Fuel Sources

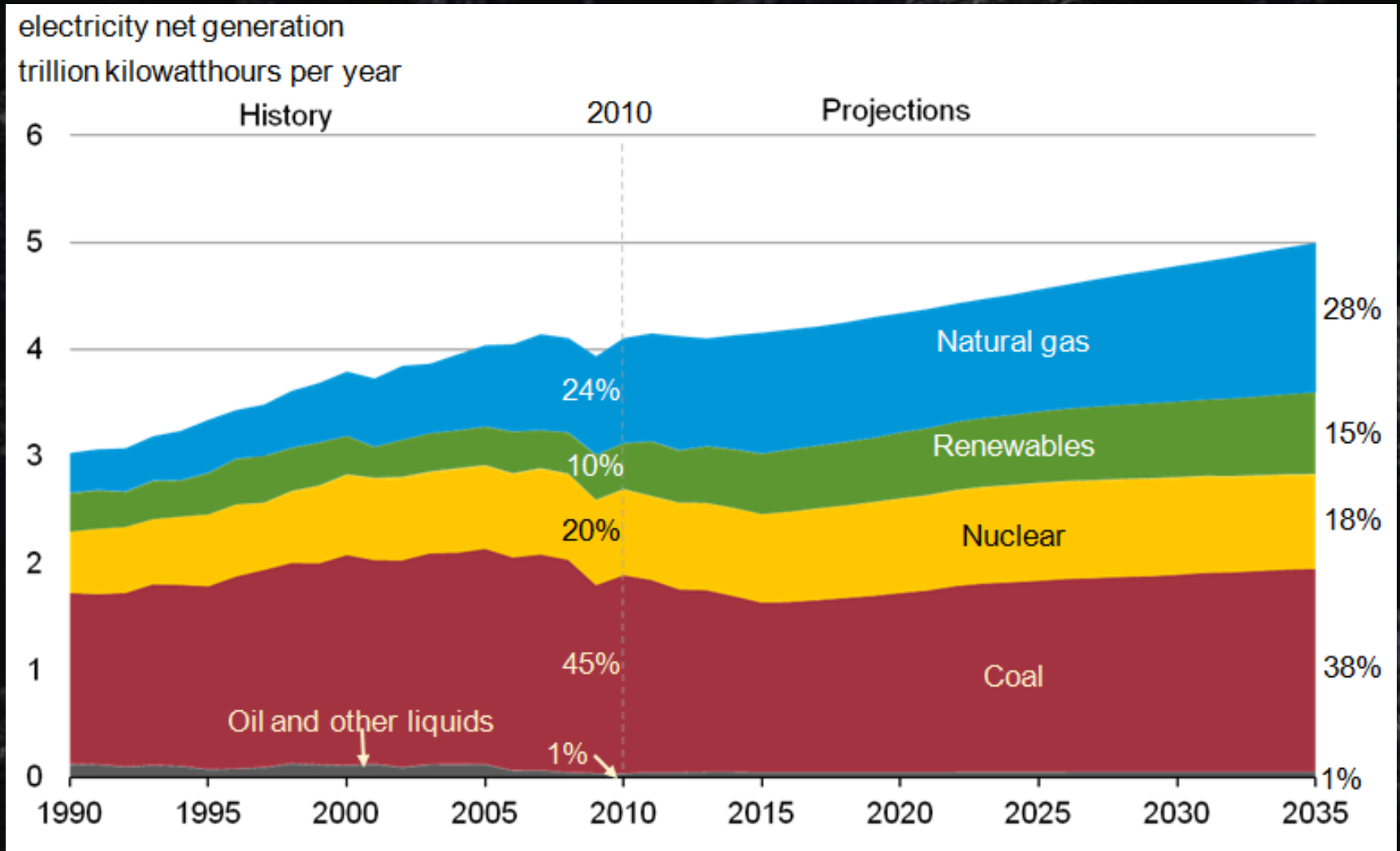


New Technologies Enable Coal to Fill Natural Gas and Oil Voids

Coal-to-Gas and Coal-to-Liquids



Electricity Mix Gradually Shifts to Lower-Carbon Options





BUT

THERE IS A WAR ON COAL

AND

**WE MUST STAND UP AND
FIGHT WISELY!**

Maximum Achievable Control Technology (MACT)

- EPA Continues Its Assault on Coal
- Timetable for Power Companies to Comply 36 Months
- Will Cost Billions of Dollars to Retrofit
- Older Coal-Fired Plants Will Be Closed
- Loss of 1.4 Million Jobs By 2020
- Will Lead to Higher Electricity Prices

Other Challenges

- EPA Continuing to Hold Mining Permits
- About 40% of Central App. Mined By Surface Mining
- Coal Severance Taxes Represent Tens of Millions of Dollars
- Education, ER and Communities Being Affected
- Mining Conditions More Difficult

Coal's Economic Contribution

- Total Economic Output of Coal Mining is \$93 Billion
- Illinois \$4 Billion
- West Virginia \$24 Billion
- Kentucky \$12 Billion
- Virginia \$7.5 Billion
- There are 500,000 Jobs Supported By Coal

EVERYONE MUST DO SOMETHING

- Coal Operators
- Mining Machinery Manufacturers
- Those Providing Products and Services
- Mining Consultants
- College Facility
- Students
- Coal Transporters
- Coal Associations
- Coal Mining Institutes
- Electric Utilities

GET THE MESSAGE ACROSS

- Work with ICA and NMA
- Communicate with and educate lawmakers
- Counter one-sided information put out by mining's opponents
- Set up personal visits
- Communicate by phone
- Send letters that get noticed
- Conduct site and plant tours
- Sponsor employee programs
- Host teacher workshops and interactions with schools
- Host a presentation in your home

Music is Powerful



Rally for Illinois Coal Jobs



Saturday, September 15 • 3:00 pm

INVITED

Sen. Dick Durbin of Illinois • Sen. Gary Forby of Illinois
State Rep. John Bradley of Illinois • State Rep. Brandon Phelps of Illinois
Congressman Jerry Costello of Illinois

ATTENDING

Stella Parton, International Recording Artist • Phil Gonet, Illinois Coal Association
Chris Hamilton, Senior VP West Virginia Coal Association
Haven King, Coal Mining Our Future, Kentucky

Help fight the EPA regulatory "Trainwreck". This threatens millions of American jobs and will have a devastating effect on communities, senior citizens, veterans, churches, schools, libraries and health departments.

The Old King Coal Festival

Main Stage, Downtown, West Frankfort, IL 62896

Stand Up For AMERICAN Coal Jobs!

For further information contact Steve Sawalich, President, Old King Coal Festival at 618-933-2625
or Sharon Ossig, 618-923-0797, tinybubbles35@yahoo.com

www.oldkingcoal.com



The Outlook For Coal

- US Markets Drastically Affected by EPA, Low Electricity Generation and an Over Supply of Natural Gas
- In 2012, Domestic U.S. Coal Consumption Will Rise Slightly With Summer Heat But There Will Be Continued Economic Growth and Additional Coal to Gas Switching
- Coal Exports Will Increase Rapidly From 108 Million Tons To 120 Million Tons
- Coal Supplies Over Half of Worldwide Electricity and Will Continue to Do So.
- Coal Fueled The Industrial Revolution, Two World Wars, and the Information Age

CONCLUSION

- Coal industry is a highly technological industry.
- The safety record is always improving.
- Reclamation efforts continue.
- Carbon capture and sequestration initiatives.
- Coal-to-liquids measures await financing.
- Provided coal community forces rise up with one big voice,
The coal industry still has an excellent future.
- Our voices must be heard, LOUDLY.

The background of the entire image is a close-up, high-contrast photograph of a pile of dark, jagged coal pieces. The lighting creates highlights on the sharp edges of the coal, giving it a textured, three-dimensional appearance.

Coal News

Coal's Foremost Publication
