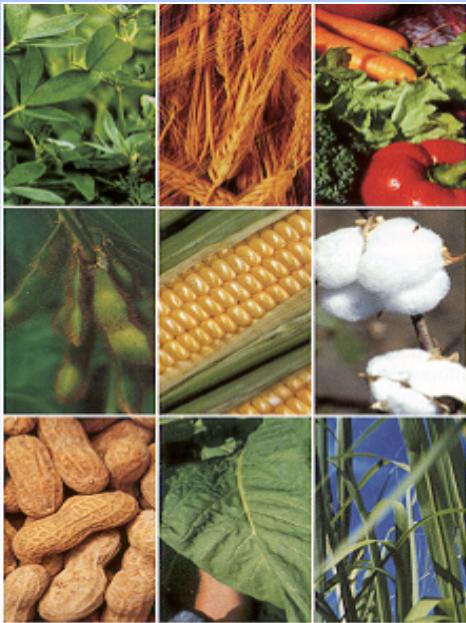




Coal to Corn



Rentech, Inc.



State of Illinois





**East Dubuque
Plant**

Royster-Clark Nitrogen

East Dubuque

- Built in 1965
- Produces ammonia, urea, UAN solution
- 109 Employees
- 680,000 tons fertilizer sold to Midwest markets

Partnering With Rentech, Inc

- Rentech is a 24-year-old Denver Company
- Patented / proprietary Fischer-Tropsch technology
- Publicly traded on AMEX

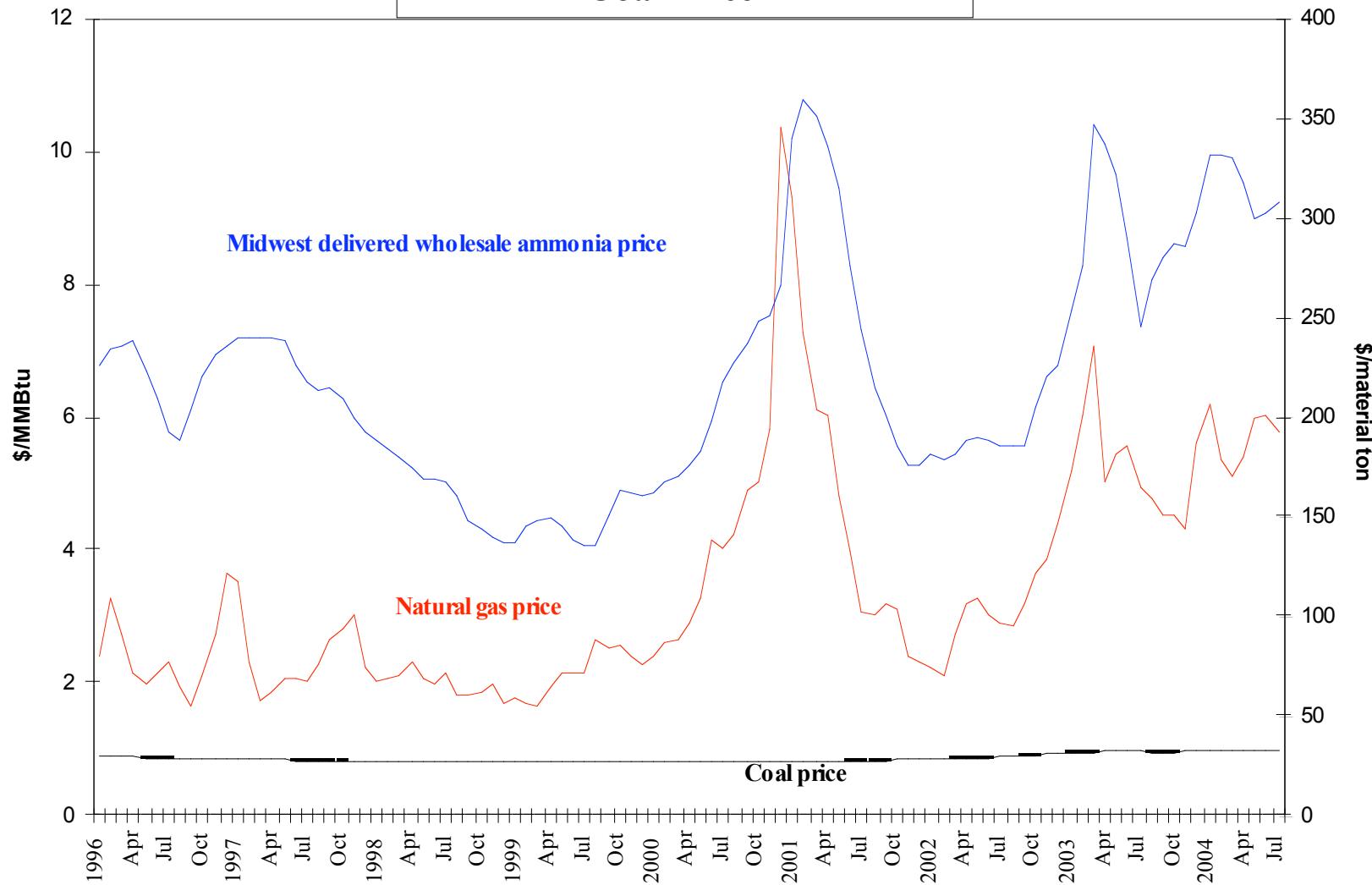
Partnering With State of Illinois

- Office of Coal Development, Department of Commerce & Economic Opportunity
- \$500,000 *Opportunity Returns* Grant by Governor Blagojevich
- 50% Matching Grant for Coal Conversion Phase I Development Study
- \$2.5 Million Phase II grant OK'd by IL Clean Coal Review Board.

Natural Gas Prices: The Reality Since 2000

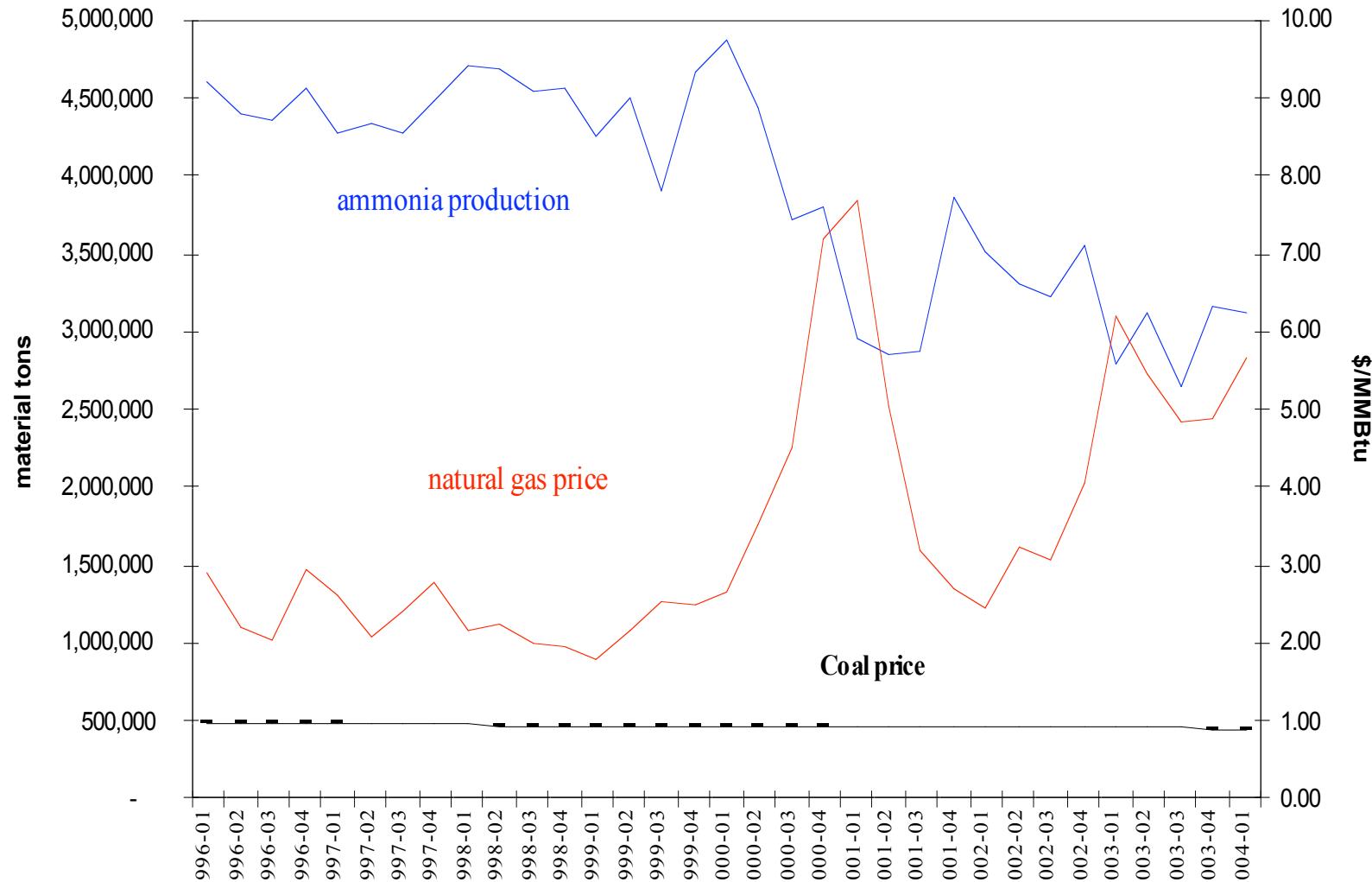
- Since 2000, prices have hit historic highs
- Winter 2004 / 2005 gas = \$9.38/MMBtu
- 90% of ammonia cost is natural gas
- 22% of US nitrogen fertilizer production has shut down
- 50% of US nitrogen fertilizer is now imported

Midwest Delivered Ammonia Price
Spot Delivered Natural Gas
Coal Price *



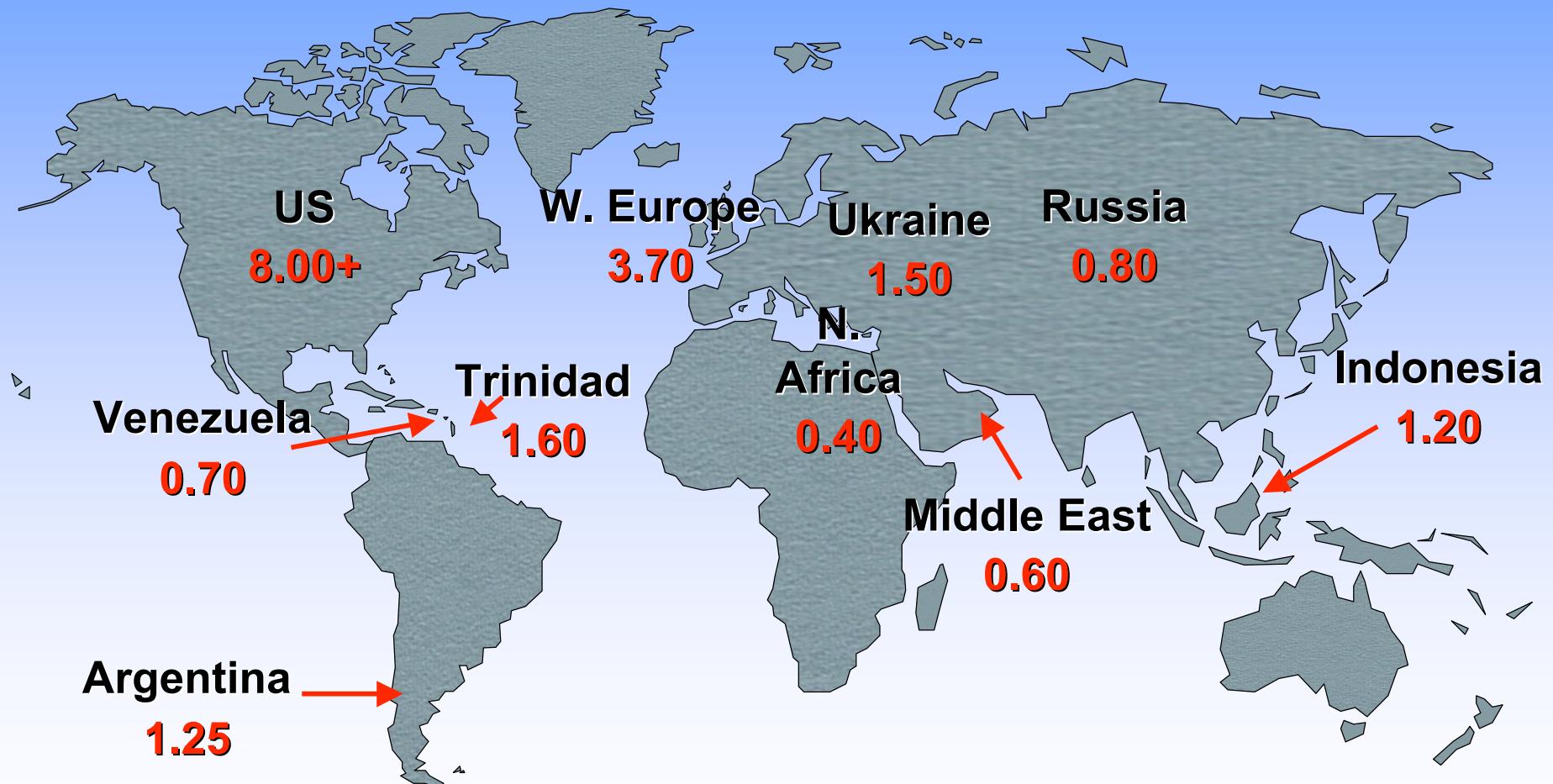
* Source: Ammonia price - computed from Green Markets; natural gas price - computed from Natural Gas Week.

U.S. Ammonia Production vs. Natural Gas & Coal Price



Source: Ammonia production, U.S. Department of Commerce; natural gas price - average spot-delivered-to-pipeline price, Natural Gas Week.

Gas Price - \$US/MMBtu



Source: Fertecon, PotashCorp

What's the effect of increasing natural gas prices?

- US farmers are becoming more dependent on nitrogen fertilizer imports
- Since 2002, largest two US fertilizer companies have filed for bankruptcy
- Fertilizer imports from Middle East and Caribbean are at record levels
- Corn-derived ethanol requires large amounts of nitrogen fertilizer

Royster-Clark Nitrogen

How do we survive?

- Current feedstock is natural gas
- Economic viability of plant directly tied to stable feedstock price
- Feedstock change is the answer

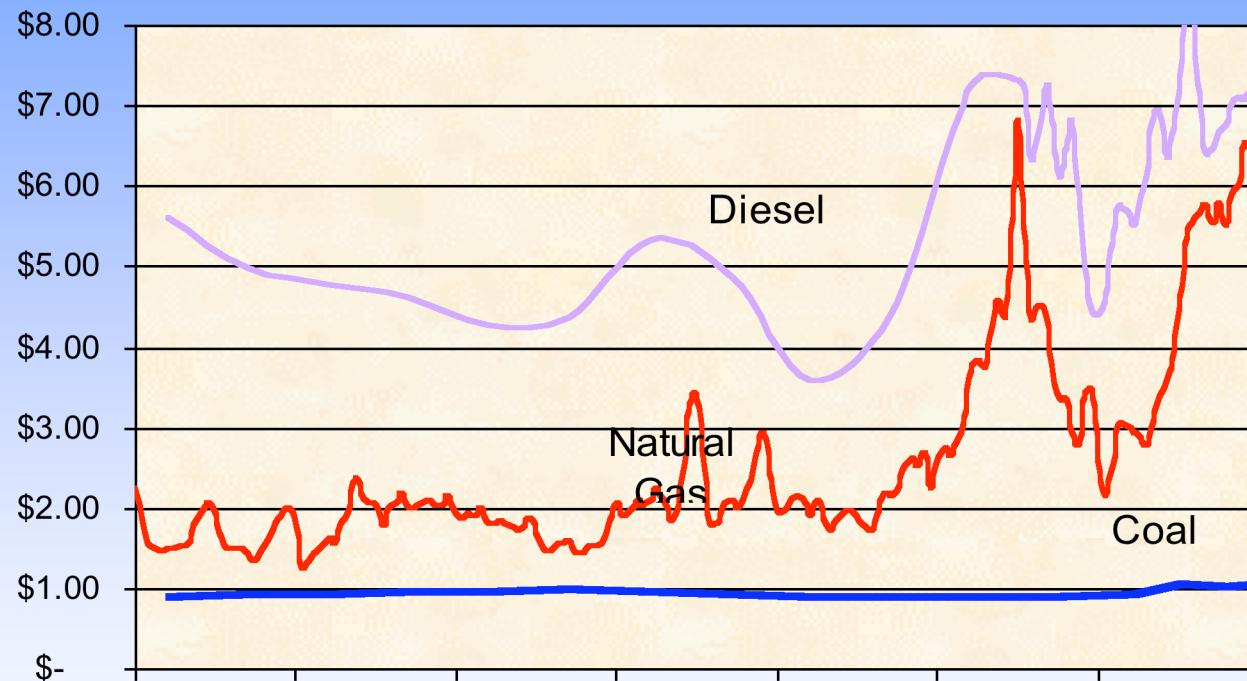
**Produce Fertilizer From
Coal**

**Co-Produce Ultra-Clean
Motor Fuels & Electricity**

**Deploy Advanced Clean Coal
Technology
to save and create jobs and increase
energy security**

Why Coal?

Wellhead Natural Gas Prices vs. Coal Prices

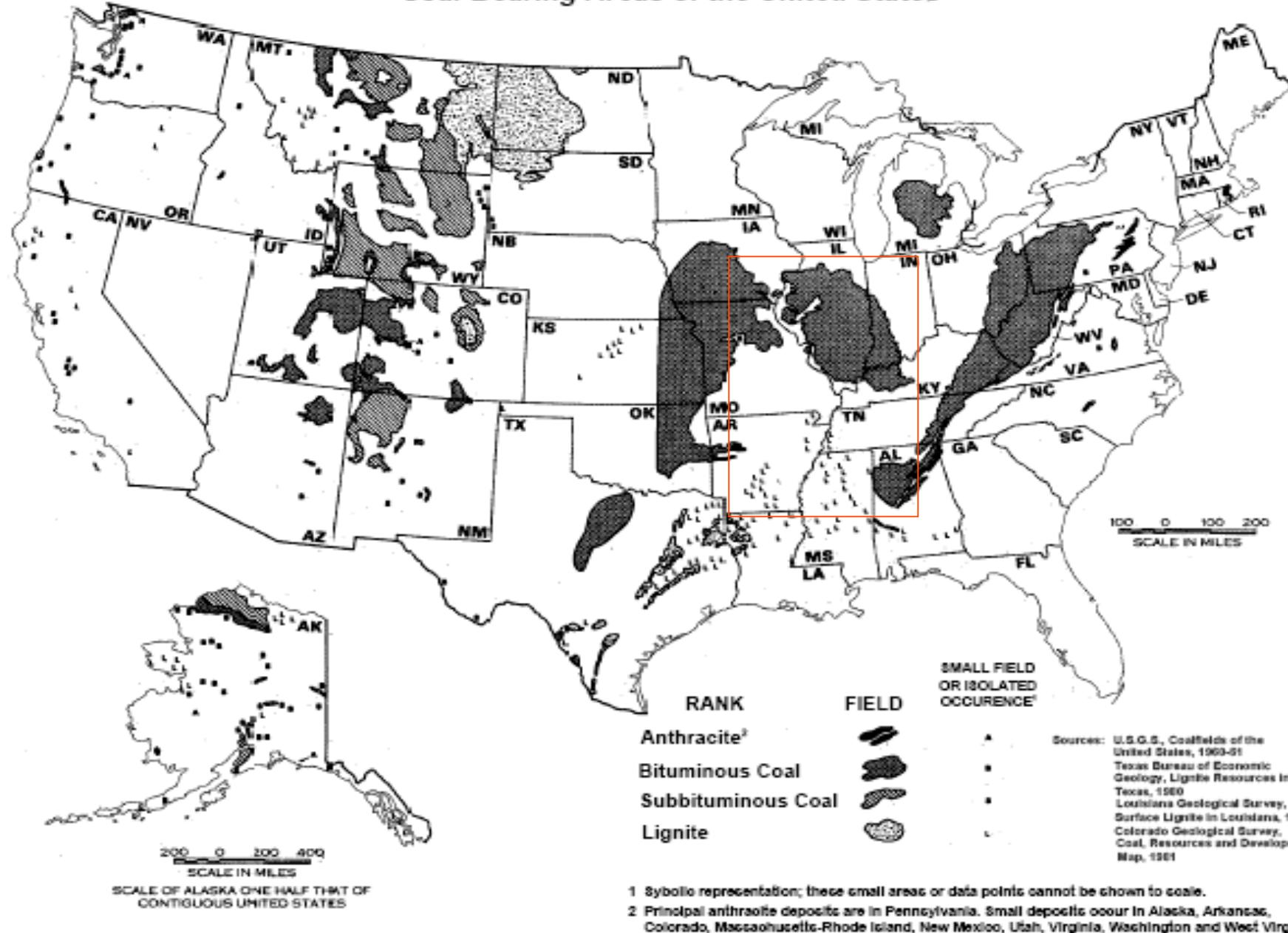


- **Low cost Coal vs. gas**
- **Price stability through long-term coal contracts**
- **Plant emissions lower than natural gas**

Why Illinois Coal?

- High energy content (30% higher than western coal)
- Sulfur / mercury not a problem with Advanced Clean Coal Technology
- Low mercury content
- Lower moisture content
- Lots of it!

Coal-Bearing Areas of the United States



Why Advanced Clean Coal Technology?

- Use gasification to produce ammonia for fertilizer, Fischer-Tropsch Diesel (FTD) and electric power
- FTD is an ultra-clean fuel and can be used with no engine modifications
- Plant efficiency increases when combined processes are used

FTD is Commercially Proven

SASOL (S. Africa)

- 45 years commercial
 - 160,000 b/d+
 - Feedstock Coal

SASOL'S SOUTH AFRICAN FACILITY



PetroSA (S. Africa)

- 11 years commercial
 - 22,500 b/d+
 - Feedstock Natural Gas



Shell (Malaysia)

- 9 years commercial
 - 15,000 b/d+
 - Feedstock Natural Gas

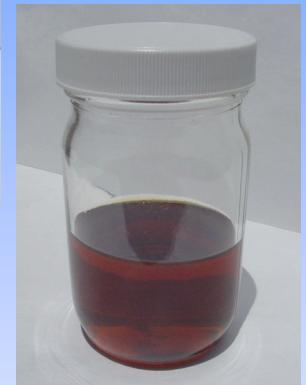


Ultra-Clean FT Diesel Fuel from Coal

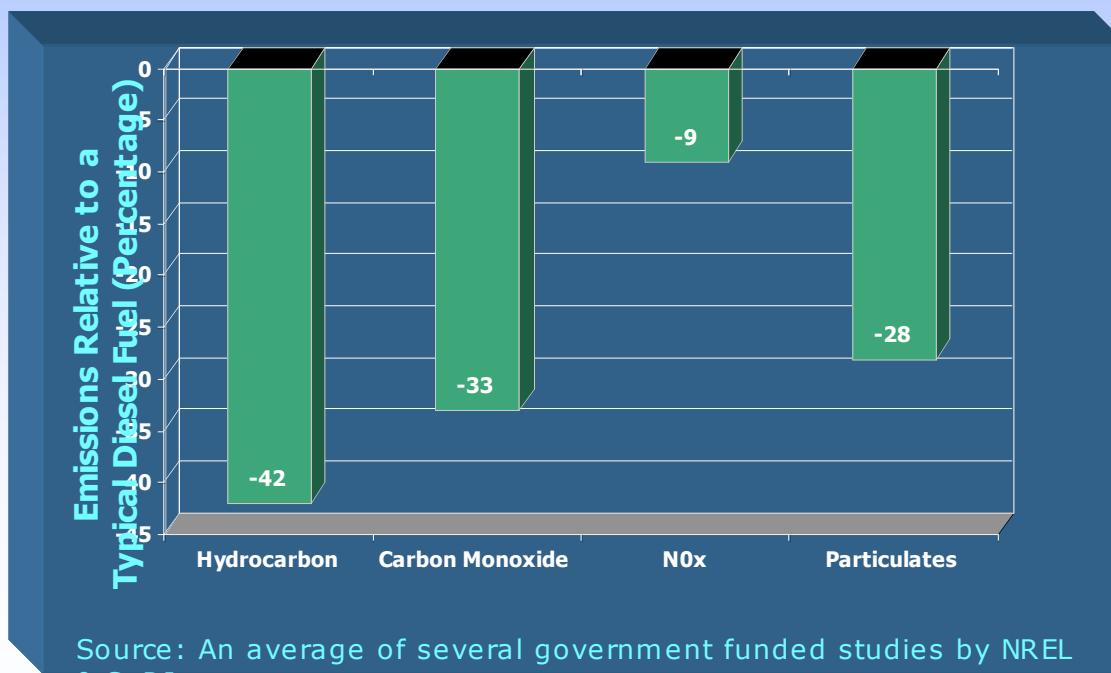
- Biodegradable
- < 1ppm Sulfur
- High Cetane



FT Diesel



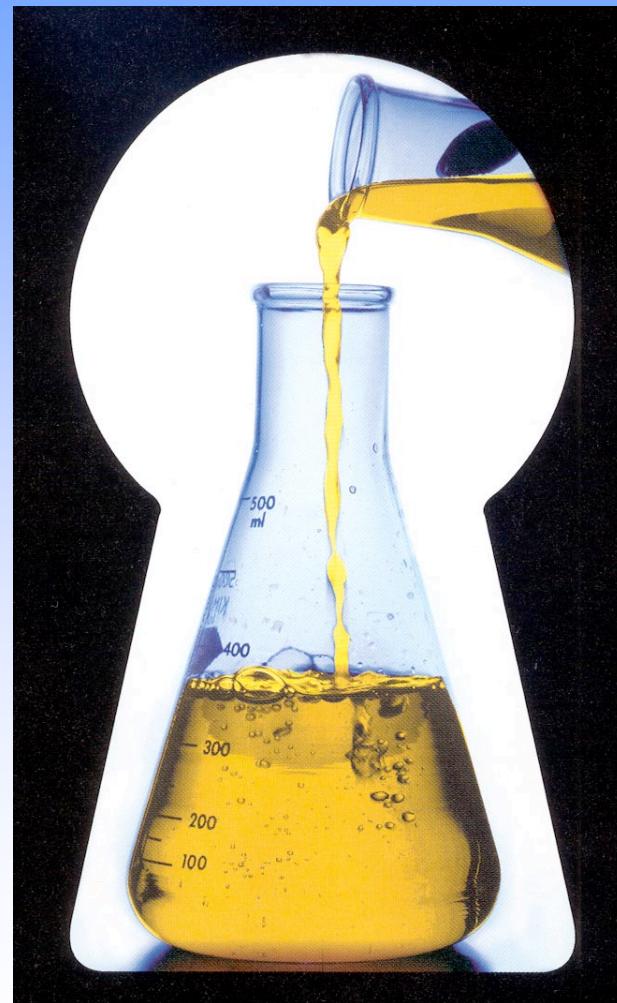
Conventional Diesel



FTD from coal is an “alternative fuel” under 1992 Energy Policy Act (EPACT)

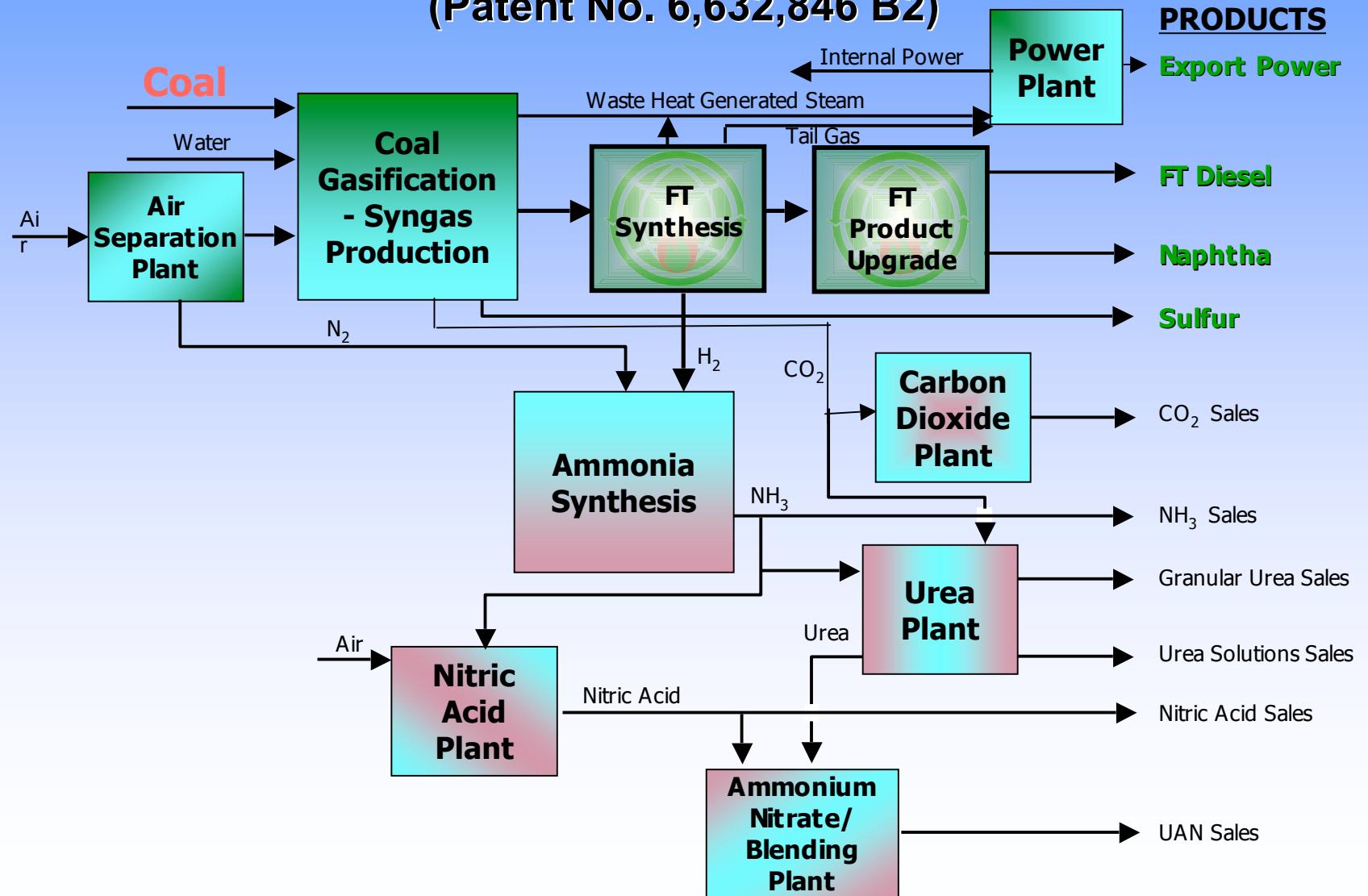
Can FTD Complement Bio-diesel?

- Can enhance FTD
- 2 - 10% blends improve lubricity
- Bio-diesel / FTD blend reduces the cost of Bio-diesel and expands its market

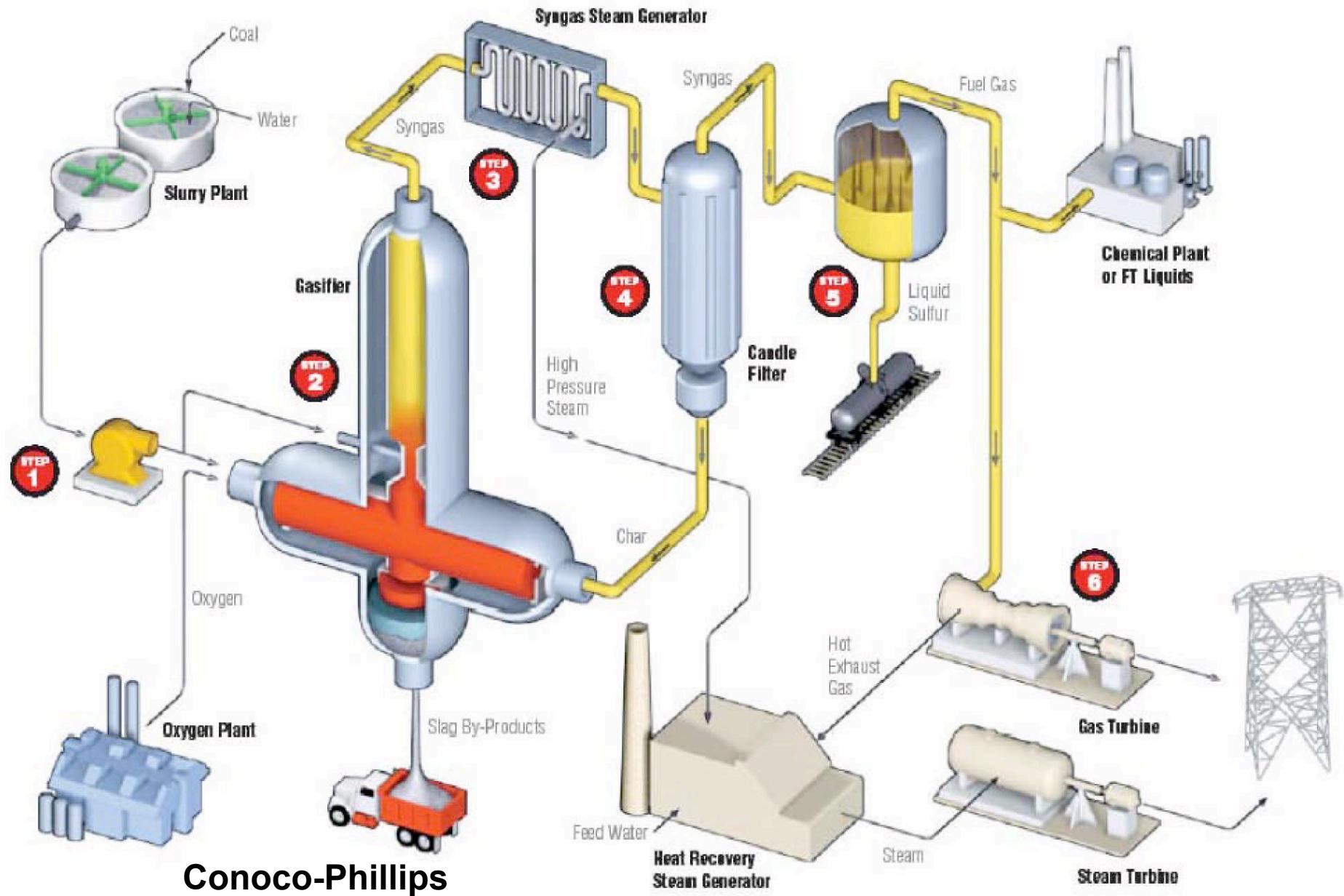


Royster-Clark Nitrogen Integrated Manufacturing Process

(Patent No. 6,632,846 B2)



A Look Inside the Process



Co-Production Model

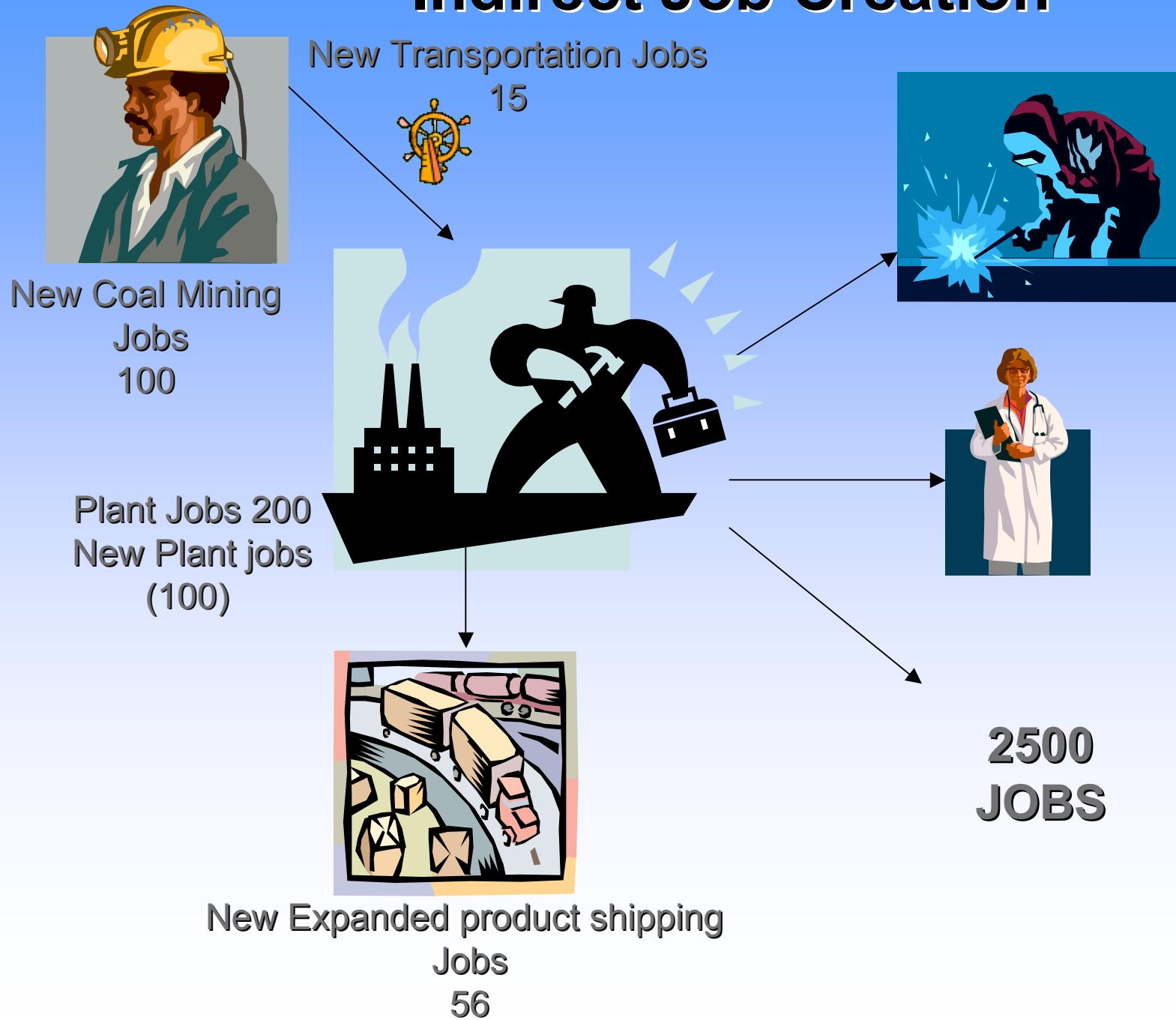
Estimated Inputs and Production

- Coal feedstock 2,700 TPD
- Ammonia production 1,000 TPD
- FT Diesel fuel 2,000 BPD
 - 84,000 gallons per day
- Export Power 15-25 MW(e)

What are the benefits?

- Maintain 109 current employees
- Create 100+ new union / salaried plant jobs
- Over 1000+ union construction jobs
- Create 100+ new union coal mining jobs
- Provide competitively priced fertilizer to Midwest farmers
- Supply ultra-clean domestic FTD to:
 - Ozone Non-Attainment areas
 - Metropolitan transit, school bus, & barge fleets

Indirect Job Creation



More benefits...

- Maintain an existing major agri-business facility on Iowa / Illinois / Wisconsin border
- Advanced Clean Coal Technology will reduce total criteria pollutants from the plant, NOx, VOM's
- Using FTD will reduce air emissions for school bus and public transit fleets
- Converting an existing facility reduces the time to commercial operations from 6/7 years to 3 years
- Major investment in Tri-State area adding construction jobs and full-time employment

Post Conversion Output

- Total annual nitrogen fertilizer production from 1.2 million tons to 1.3 million tons
- Shift from consuming 14 MW of power to exporting 15-25 MW of excess power
- Total annual production of FT fuels of 28 million gallons

Phase 1 Results

- Total criteria pollutants to decrease 10 – 15%
- Cost estimates somewhat higher than expected, not unreasonable – about \$450 million
- Financial community has great interest
- Favorable community response
- No fatal flaws – moving to Phase 2

What's Phase 2?

- Complete front-end engineering and design (FEED)
- Obtain environmental permit modifications
- Negotiate engineering, procurement and construction contract (EPC)
- Negotiate equity and debt structure financing
- Enter into coal supply agreements
- Enter into product sales agreements
- Estimated Phase 2 cost = \$12 million

Project Time Line

- Phase 1 Development Study completed
- Phase 2 Detailed engineering and permitting to begin this winter
- Closing on construction financing, first quarter 2006
- Field construction to begin Spring 2006
- Commercial operations Spring 2008

Saving The US Nitrogen Fertilizer Industry

- High energy Illinois coal is strategic to future projects
- This is more than a Tri-State project; this project has national significance!
- Advanced Clean Coal Technology tax credits in Energy Bill are extremely important to saving the US nitrogen fertilizer industry

Direct Benefits To Iowa

- 2/3 of plant work force live in Iowa, so conversion will add 66 new jobs for Iowans
- Construction work potential for Iowans (1,000+ jobs)
- Maintain supply of locally produced nitrogen fertilizer to Iowa farmers
- Supply Ultra-clean FT diesel fuel to Dubuque area buses & barge fleets



Coal to Corn