West Virginia 2008 Energy Summit

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TransGas Development Systems

• Barriers to Development
• Coal Gasification Technology
• CTL Project West Virginia
TGE Proposed Co-Gen Facility
TGE Above Ground

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Development Systems

Environmentally responsible solutions for tomorrow's energy needs.
TGE Above Ground Night
TGE Buried Facility

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Environmentally responsible solutions for tomorrow’s energy needs.
Coal Gasification

• The Cleanest way to utilize America’s vast resources of coal.
• Proven technology.
• Can improve America’s energy independence, national security.
• Create American jobs.
Proposed Coal Gasification Area 1
Proposed Coal Gasification Area 2

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Environmentally responsible solutions for tomorrow’s energy needs.
CTL Project West Virginia

- 8500 tons per day of coal.
- 18,000 barrels gasoline per day.
- Uhde PDQ Gasifier.
- Near zero emission facility.
- $3 Billion investment.
- Approximately 3000 constructions jobs and 200 permanent jobs.
Key Stats

- 20,000 tons Reinforced Steel
- 200,000 cu. yards of Concrete
- 20,000 tons Building Structures
- 8,000 tons Process Piping
- 1,600 Miles Electrical Cabling
- 80 facility items over $1,000,000 CapEx
- 5 Facility items over $100,000,000 CapEx
Barriers to West Virginia Project

Carbon Dioxide
Options

• Government Subsidies
  – Government provides support to Coal Industry similar to the Nuclear Industry.
• “Texas-Like” Indemnification
  – Cameroon 1986, 1700 deaths.
• Projects Re-locate Overseas
• New EOR Paradigm
New EOR Paradigm

- CO₂ has economic value in EOR and EGR.
- Not Dollars, Right of Way required.
- Zero capital outlay program for US Government.
- Mandate all FERC pipelines to allow CO₂ pipelines in their right of way.
- Little to no environmental oversight required.
- Environmental oversight done for initial routing of natural gas which is flammable.
  - CO₂ is used in fire extinguishers.

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TGDS Website

Please visit our website at:
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