



TransGas
Development Systems

Environmentally responsible solutions for tomorrow's energy needs.

West Virginia 2008 Energy Summit

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TransGas Development Systems, LLC



TransGas Development Systems

- Barriers to Development
- Coal Gasification Technology
- CTL Project West Virginia



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Current Bayside Oil Terminal



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TGE Proposed Co-Gen Facility



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TGE Above Ground



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TGE Above Ground



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TGE Above Ground Night



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TGE Buried Facility



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TGE Buried Facility



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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.



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Proposed Coal Gasification Area 1



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Proposed Coal Gasification Area 2



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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.



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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



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Coal to Gasoline



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Barriers to West Virginia Project

Carbon Dioxide



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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:
www.transgasdevelopment.com
Or email at:
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