Shale Gas and the Chemical Industry: Jobs, Growth, Development

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The U.S. Has Vast Gas Reserves, Which Can Be Produced Below $4.50/MMBtu

• Massive resource potential is in place and costs continue to decline
Infrastructure Gives the U.S. a Healthy Headstart
Shale Gas Fuels America’s Competitive Advantage

Spot Price ($/MMBtu)

Brent Crude Oil

Henry Hub Natural Gas

Competitive Advantage
The Nation’s Stake in Natural Gas

- Aluminum
- Chemicals
- Fabricated Metal
- Fertilizer
- Foundries
- Glass
- Iron & Steel
- Paper
- Plastic & Rubber Products

- 100 Projects
- > $100 billion in investments
- 5 million new jobs
- $80-120 billion in annual output
High & Volatile Gas Prices = Fewer Jobs

Manufacturing Jobs (1000s)

Average U.S. Wellhead Price

Price $/MMBTU

6 Million Jobs Lost
New Demand Growth Requires Unprecedented Production

Natural Gas Supply / Demand (Bcf/d)

- EIA High and Rapid LNG Exports Case (12 bcf/d)
- Natural Gas Vehicles
- Manufacturing Renaissance
- Electrical Retirements & Coal-to-Gas Displacement
- AEO 2013 Ref. Case Domestic Demand
- AEO 2013 Ref. Case Dry Gas Production
Economic Contributions of Investment for 5 BCF/D of Natural Gas – Manufacturing vs. LNG Exports

Economic Contributions of Manufacturing Activity Consuming 5 BCF/D Compared to LNG Terminals Exporting 5 BCF/D

- Manufacturing: $5.29 Billion, 192,000 Jobs, 100,000 Person-Years
- LNG Exports: $2.32 Billion, 9,000 Jobs, 14,000 Person-Years
Revolutionary thinking to find the right balance... ... will keep the future bright for all stakeholders!
Thank You