Natural Gas Processing Companies and the Natural Gas STAR Program

Reducing Emissions
Increasing Efficiency
Maximizing Profits

Processor's Workshop
Hosted by: Pioneer Natural Resources and Gas Processors Association
June 17, 2003

http://www.epa.gov/gasstar/
The Natural Gas STAR Program is a flexible, voluntary partnership between EPA and the oil and natural gas industry designed to cost-effectively reduce methane emissions from natural gas operations.
“We will challenge American businesses to further reduce emissions…”
President G.W. Bush, February 14, 2002

- Natural Gas STAR is a key component of President Bush’s climate change policy
- API Climate Challenge Program
  - 100% member participation in Natural Gas STAR
- Endorsed by 11 industry organizations including the Interstate Natural Gas Association of America
Emissions by Industry Sector (per year)

- Production: 53 Bcf (17%)
- Processing (including Gathering and Booster Stations): 61 Bcf (20%)
- Distribution: 78 Bcf (26%)
- Transmission and Storage: 111 Bcf (37%)
217 Bcf in total reductions

Annual Emissions Reductions:

- Previous: 3.6 Bcf
- 1993: 7.3 Bcf
- 1994: 12.4 Bcf
- 1995: 14.8 Bcf
- 1996: 17.9 Bcf
- 1997: 23.8 Bcf
- 1998: 29.2 Bcf
- 1999: 33.3 Bcf
- 2000: 34.0 Bcf
- 2001: 40.6 Bcf

Total: 216.9 Bcf
Save time identifying the “right” technologies and practices to reduce methane emissions

- Technical studies and fact sheets based on real company applications
- Case studies describing successful partner experiences
- Economic analysis software to estimate financial returns
- One-on-one assistance
Gas STAR Program Benefits

Build network with industry peers and draw upon their experience and successes

• Technology Transfer workshops
• Annual Implementation Workshop
Gas STAR Program Benefits

Enhanced corporate reputation

- Environmental message
- Public recognition by EPA and industry
- Achievement awards
- Communications Toolkit
- Easy methods to equate environmental benefits
Gas STAR Program Benefits

Voluntary record of reductions & internal benchmarking capability

• Methodology to track and record methane emission reductions
• Data to develop internal benchmarks
• Flexibility and assistance in preparing methane emissions reduction summary
Gas STAR Program Benefits

Minimal resources required to manage Program & “real-time” assistance

- Standardized forms and methane emission default values
- Data collection software
- On-line record keeping and reporting
- Technical support staff available to partners
Natural Gas STAR: Voluntary and Effective

- Fosters private initiative and innovation
- Achieves economic and environmental goals
- Enables future government and industry cooperation
- Proves that non-regulatory, cooperative programs work
- Simple to participate, a win-win approach
Contact Information

★ Roger Fernandez
(202) 564-5235
fernandez.roger@epa.gov

★ Please visit www.epa.gov/gasstar