



# Natural Gas Production Companies and the Natural Gas STAR Program

Reducing Emissions  
Increasing Efficiency  
Maximizing Profits



*Producer's Workshop*  
*Hosted by: Murphy Exploration and Production & API*  
*June 19, 2003*

<http://www.epa.gov/gasstar/>

# The Natural Gas STAR Program

---

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.



# Natural Gas STAR's role in Climate Change

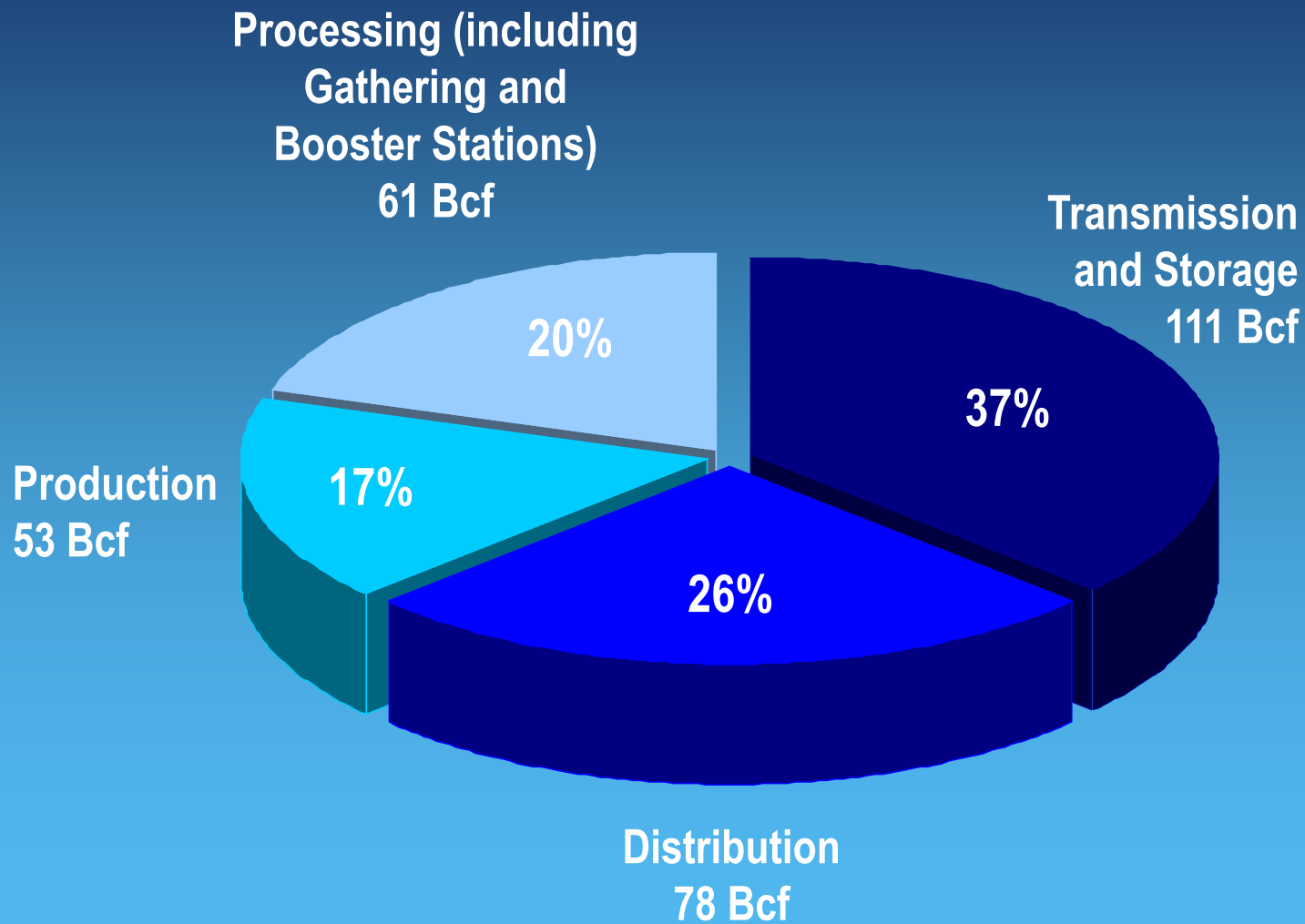


**“We will challenge American businesses to further reduce emissions...”**

**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)



# Program Accomplishments

- ★ 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

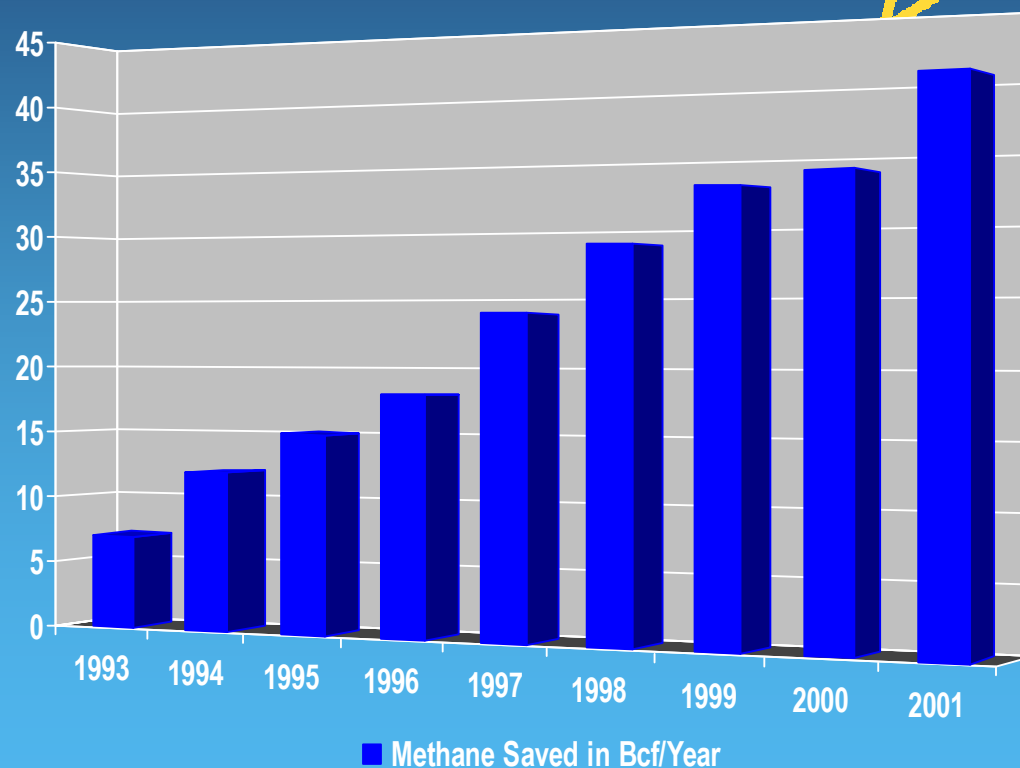
1998: 29.2 Bcf

1999: 33.3 Bcf

2000: 34.0 Bcf

2001: 40.6 Bcf

Total: 216.9 Bcf



# Production Partner Accomplishments

---



- ★ Production partners have reported 129 Bcf in methane emission reductions since 1995.
- ★ Source of Reductions
  - ★ 13% of reductions from pneumatic replacements
  - ★ 83% of reductions from Partner Reported Opportunities (PROs)

# Gas STAR Program Benefits

---



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](http://www.epa.gov/gasstar)