

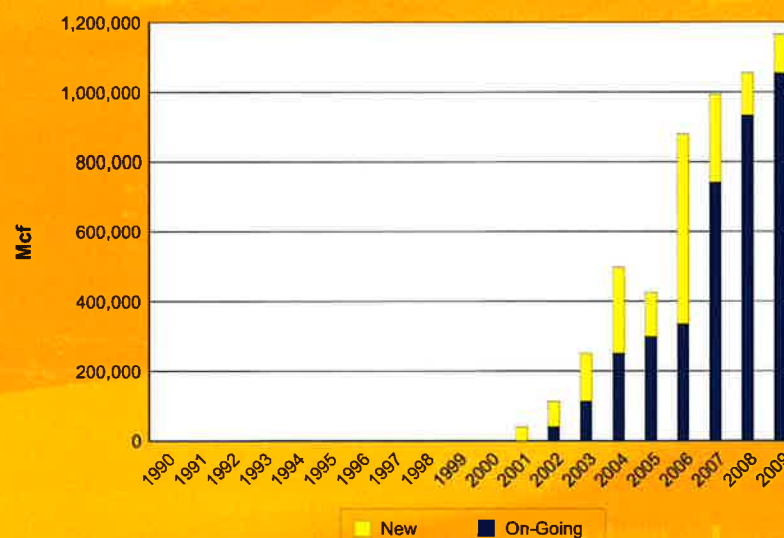
The Natural Gas STAR Program and its partners have realized nearly 904 billion cubic feet (Bcf) of domestic methane emissions reductions. In 2009 alone, partners reduced domestic methane emissions by approximately 86 Bcf--adding more than \$344 million to natural gas sales at \$4 per thousand cubic feet (Mcf).

Report Summary

Joined Natural Gas STAR - Production Sector: 2004
2009 Methane Emissions Reductions: 1,165,533 Mcf

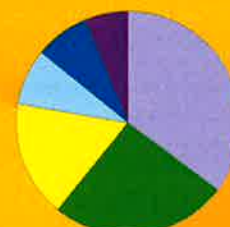
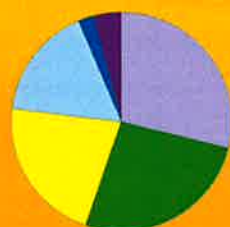
Since joining the Natural Gas STAR Production Sector in 2004, Newfield Exploration has achieved cumulative methane emissions reductions of 5,421,082 Mcf.

Newfield Exploration's Historical Reductions¹



2009 Reductions:² 1,165,533 Mcf

Cumulative Reductions: 5,421,082 Mcf



To achieve these results, Newfield Exploration has employed these Natural Gas STAR methane emission reduction technologies and practices.

Artificial lift: install plunger lifts	28.9%
Identify and replace high-bleed pneumatic devices	26.5%
Install vapor recovery units (VRUs)	21.5%
Install flares	16.6%
Install flash tank separators on glycol dehydrator	2.2%
Other	4.2%
Total:	100.0%

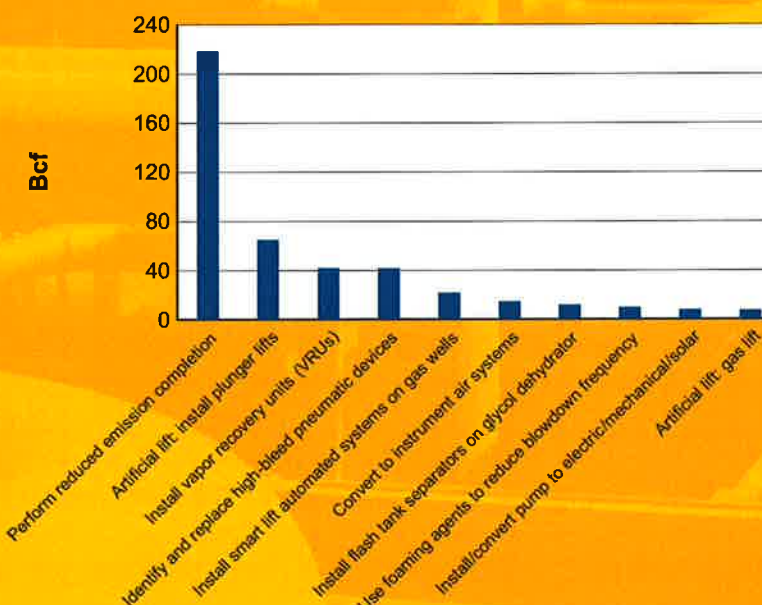
Install vapor recovery units (VRUs)	35.2%
Artificial lift: install plunger lifts	25.7%
Identify and replace high-bleed pneumatic devices	17.0%
Install flares	7.8%
Perform reduced emission completion	7.8%
Other	6.4%
Total:	100.0%

Methane Emissions Reductions: Production Sector

The Natural Gas STAR Program endeavors to assist partners in achieving the full benefits of participation by raising awareness about activities that other partners have undertaken to achieve cost-effective methane emissions reductions.

Production Sector

Technologies and practices employed in the Production Sector over the past 10 years. Cumulative sector methane emissions reductions total nearly 609 Bcf since 1990.



Top Activities for 2009

By implementing the following activities, partners in the Production Sector reported methane emissions reductions of 70 Bcf in 2009.



Perform reduced emission completion	34.5%
Artificial lift: install plunger lifts	15.9%
Identify and replace high-bleed pneumatic devices	6.9%
Install smart lift automated systems on gas wells	5.3%
Use foaming agents to reduce blowdown frequency	5.2%
Install vapor recovery units (VRUs)	4.4%
Convert to instrument air systems	3.1%
Artificial lift: gas lift	3.1%
Install/convert pump to electric/mechanical/solar	2.9%
Install flash tank separators on glycol dehydrator	2.9%
Other	15.9%
Total:	100.0%

Suggested Methane Emission Reduction Technologies and Practices

Based on commonly reported technologies and practices employed by Production Sector partners, other activities Newfield Exploration might want to consider include:

- Install smart lift automated systems on gas wells
- Convert to instrument air systems
- Use foaming agents to reduce blowdown frequency
- Install/convert pump to electric/mechanical/solar
- Artificial lift: gas lift

Additional information on these technologies and practices is available on the Natural Gas STAR website at epa.gov/gasstar/tools/recommended.html.

Newfield Exploration's methane emissions reductions are approximately equivalent to:



Tonnes CO₂ equivalent:
2,192,557 (cumulative)
471,400 (2009)



CO₂ emissions from the electricity use of this many homes for one year:
266,088 (cumulative)
57,209 (2009)



Carbon sequestered annually by this many acres of pine or fir forests:
467,498 (cumulative)
100,512 (2009)



Annual greenhouse gas emissions for this many passenger vehicles:
419,229 (cumulative)
90,134 (2009)

¹Partners may retroactively report methane emissions reductions to EPA back to 1990.

²Annual methane emissions reductions include new reductions plus on-going reductions.