



# Quick Reference Guide

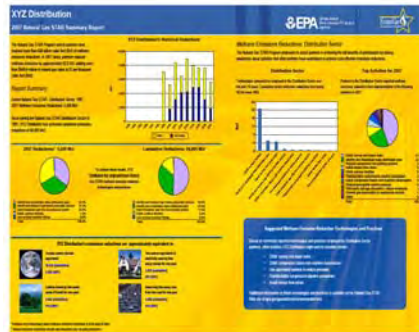
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Benefits of the Program

Natural Gas STAR partners are able to receive various forms of assistance from EPA on cost-effective technologies and practices that can reduce methane emissions from all sectors of the oil and natural gas industry. Natural Gas STAR promotes the voluntary implementation of methane emission reduction projects by providing technical assistance via documents, videos, and workshops, as well as through company-specific technical assistance. These resources are available for domestic partners, as well as international companies participating in the Natural Gas STAR International Program under the Methane to Markets Partnership.

Public recognition for partners' methane emission reduction efforts is another benefit of being a Natural Gas STAR partner. Every spring, companies report their accomplishments, and in the fall, EPA awards the top performers and recognizes new partners and endorsers.

It is also through annual reporting that partners receive a company-specific Natural Gas STAR Summary Report. This document summarizes the progress each company has made since joining the Program by providing current year and cumulative accomplishments. It highlights what technologies and practices have been implemented and provides recommendations for future activities to further increase methane emissions reductions.



## Natural Gas STAR Contacts

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Natural Gas STAR Web Site

## Resources

The Natural Gas STAR Web site, [epa.gov/gasstar](http://epa.gov/gasstar), is an invaluable resource to partners. EPA updates the site with current Program information, new technology documents, guidance on implementing Natural Gas STAR (including online reporting), and industry news, as well as a listing of service and technology providers.

### Guidelines to Participation

[epa.gov/gasstar/guidelines/index.html](http://epa.gov/gasstar/guidelines/index.html)

This online guide presents an overview of the key components to participating in the Program—including information on how to get Natural Gas STAR efforts up and running, making the most of Program participation, preparing an Implementation Plan, and annual reporting.

### Online Reporting System

[db2.erg.com/gasstar/login.asp](http://db2.erg.com/gasstar/login.asp)

The Natural Gas STAR online reporting system allows partners (domestic and international) to quickly and easily submit annual methane emission reduction data to EPA. Users can add, modify, view, and/or print data for the current reporting year prior to submittal. This tool provides secure data transfer. Access is password protected to keep information private and only accessible to the Natural Gas STAR Program and its contractors.

### Emissions Reduction Quantification Reference Guide

[epa.gov/gasstar/documents/xls/quantifying\\_ngs\\_methane\\_reductions.xls](http://epa.gov/gasstar/documents/xls/quantifying_ngs_methane_reductions.xls)

This guide outlines various methodologies for quantifying the methane emissions reductions achieved by a particular technology or practice.



## Reducing Methane Emissions Lessens a Company's Climate Footprint

Annual methane emissions reductions of 0.5 Bcf are equivalent to:

- Annual greenhouse gas emissions from 37,038 passenger vehicles,
- The CO<sub>2</sub> emissions from the electricity use of 26,785 homes for one year, *OR*
- The carbon sequestered annually by 45,960 acres of pine or fir forests.

## Technical Resources

### One-on-One Company-Specific Assistance

[epa.gov/gasstar/tools/index.html#support](http://epa.gov/gasstar/tools/index.html#support)

EPA works directly with partner companies interested in analyzing profitable methane emission reduction opportunities. EPA can assist with developing methane emission estimates, project identification, pre-feasibility and feasibility studies, onsite measurement studies, and other technical support to promote implementation of projects within partner companies' operations. These resources and services are provided completely free of charge by EPA, and partner companies are not obligated to implement any of EPA's recommendations.

### Technical Workshops & Annual Implementation Workshop

[epa.gov/gasstar/workshops/index.html](http://epa.gov/gasstar/workshops/index.html)

Facilitating information exchange on cost-effective methane emission reduction technologies and practices is the core mission of the Natural Gas STAR Program. EPA hosts workshops (including Web casts) to raise awareness about the sources and volumes of methane emissions, available technologies, and measuring and reducing methane emissions. Workshops are targeted to environmental, operations, maintenance, and engineering staff.



### Methane Emission Reduction Technologies & Practices Documents

[epa.gov/gasstar/tools/recommended.html](http://epa.gov/gasstar/tools/recommended.html)

Technical documents provide information on innovative, cost-effective methane emission reduction opportunities reported by Natural Gas STAR partners. Documents include *Lessons Learned Studies*, *Partner Reported Opportunities (PRO) Fact Sheets*, technical presentations, and articles from the Natural Gas STAR *Partner Update*. (Note: *Lessons Learned Studies* and *PRO Fact Sheets* are available in Arabic, Chinese, English, Russian, and Spanish.)

### Natural Gas STAR Videos

[epa.gov/gasstar/tools/videos.html](http://epa.gov/gasstar/tools/videos.html)

In an effort to promote new technologies and describe industry and Program efforts, Natural Gas STAR provides videos related to the oil and natural gas industry, including videos showcasing various leak detection and repair technologies and practices.

### ON TIME Tool

[www.ontime.methanetomarkets.org/m2mtool/index.html](http://www.ontime.methanetomarkets.org/m2mtool/index.html)

This tool is comprised of oil and natural gas industry interactive flow diagrams; each contains links to a glossary, applicable methane emission reduction control technologies and practices, and an industry description. The goal of the ON TIME Tool is to give users easy access to information on cost-effective technologies and practices that reduce methane emissions in the oil and natural gas industry. This tool was developed as part of the Methane to Markets Partnership and is a work in progress.



## Additional Resources

Natural Gas STAR Program | [epa.gov/gasstar](http://epa.gov/gasstar) | [gasstar@erg.com](mailto:gasstar@erg.com)

Natural Gas STAR International | [epa.gov/gasstar/international/index.html](http://epa.gov/gasstar/international/index.html) | [gasstar@erg.com](mailto:gasstar@erg.com)

Methane to Markets Partnership | [methanetomarkets.org](http://methanetomarkets.org) | [asg@methanetomarkets.org](mailto:asg@methanetomarkets.org)