


Company Information	
<p>Implementation Plan</p>  <p>Distribution Sector</p>	<p>Company Name: _____</p> <p>Gas Star Contact: _____</p> <p>Position: _____</p> <p>Address: _____</p> <p>City, State, Zip Code: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>Email: _____</p>

Implementation Plan Elements

ELEMENT 1 Best Management Practices (BMPs)

The following BMPs have been identified as significant opportunities to cost effectively reduce methane emissions from the distribution sector. They were selected based on their applicability to the industry, economic feasibility, and cost-effectiveness. There are two core BMPs for the distribution sector:

- BMP 1** Directed inspection and maintenance at gate stations and surface facilities
- BMP 2** Identify and rehabilitate leaky distribution pipe

For detailed information on these BMPs, please refer to the *Lessons Learned* publications on the Natural Gas STAR website: <https://www.epa.gov/natural-gas-star-program/recommended-technologies-reduce-methane-emissions>.

ELEMENT 2 Additional Activities

Current partners have reported many processes and technologies that are considered additional Best Management Practices by the program. New partners are encouraged to evaluate and report current and new practices or technologies that cost effectively reduce methane emissions.

ELEMENT 3 Inventory Past Reductions

Partners are encouraged to report past methane emission reductions back to 1990. Accounting for these historical reductions will create a permanent record of your company's methane emission reduction efforts. In addition, reviewing past activities will help guide companies' participation in Natural Gas STAR by creating a base of understanding of current activities to facilitate planning of future activities.

The Implementation Plan is designed to be a dynamic tool for Natural Gas STAR Partners to plan their program activities. As company priorities and plans shift over time, the Implementation Plan may be revised or updated by submitting a new form to the program. The Partner should only share non-Confidential Business Information (CBI) to fulfill Gas STAR Program requirements.

ELEMENT 1 Best Management Practices

BMP 1 Directed Inspection and Maintenance (DI&M) at Gate Stations and Surface Facilities

A DI&M program is a system for performing routine leak detection and repair where leak measurement data from previous inspections are used to guide subsequent inspections and direct maintenance to those leaks that are cost effective to repair.

Estimated Reduction
Potential
1,190 Mcf per station

Will you be implementing this BMP? Yes No

If no, why?

- Not cost effective
 May consider at a later date
 Other _____ please describe:

If yes, at what scale will you be implementing this BMP?

- Company Wide
 Pilot Project
 Other _____

Please describe:

Activity Summary

Number of gate stations and surface facilities? _____

Number of gate stations and surface facilities at which DI&M will take place? _____

Inspection Schedule

Facilities will be inspected: quarterly annually biannually other _____

Please list the number of gate stations and surface facilities that will implement BMP 1 in upcoming years.

Year _____ Number of gate stations and surface facilities _____

Year _____ Number of gate stations and surface facilities _____

Year _____ Number of gate stations and surface facilities _____

Year _____ Number of gate stations and surface facilities _____

Additional Information on Anticipated Plans and Projects

If additional space is needed, please continue on the back.

BMP 2 Identify and Rehabilitate Leaky Distribution Pipe

To reduce methane emissions, companies can use data from leak surveys and patrols, leak repair histories, corrosion monitoring records and other sources to identify and repair or replace the leakiest pipeline segments.

Estimated Reduction Potential
29 Mcf/mile/year - Average Mains
0.3 Mcf/service/year - Average Services

Will you be implementing this BMP? Yes No
If no, why?
 Not cost effective
 May consider at a later date
 Other _____ please describe:

If yes, at what scale will you be implementing this BMP?
 Company Wide
 Pilot Project
 Other _____

Please describe:

Activity Summary

Total distribution pipeline mileage? _____

Total distribution pipeline mileage selected for this BMP? _____

Replacement Schedule

Total distribution pipeline mileage to be rehabilitated by the end of:

Year 1: _____ Year 2: _____ Year 3: _____ Year 4: _____

Additional Information on Anticipated Plans and Projects

If additional space is needed, please continue on the back.

ELEMENT 2 Additional Activities

Additional Activities	
<p>Your company may take advantage of additional technologies or practices to reduce methane emissions. The following is a list of some of the additional activities that have been reported by other Natural Gas STAR partners, which may be applicable to your operations (for more information on these activities, please view: https://www.epa.gov/natural-gas-star-program/recommended-technologies-reduce-methane-emissions):</p>	
<p> <input type="checkbox"/> Reduce/downgrade system pressure <input type="checkbox"/> Inject blowdown gas into low pressure system <input type="checkbox"/> DI&M: survey and repair leaks <input type="checkbox"/> Use hot taps for in-service pipeline connections </p>	
Additional activities you will be implementing	Please describe
<p>Activity _____ At what scale will this activity be implemented? <input type="checkbox"/> Company Wide <input type="checkbox"/> Pilot Project <input type="checkbox"/> Other _____</p>	
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<p>Activity _____ At what scale will this activity be implemented? <input type="checkbox"/> Company Wide <input type="checkbox"/> Pilot Project <input type="checkbox"/> Other _____</p>	

ELEMENT 3 Inventory Past Reductions

An inventory of past reductions will help to create a permanent record of your past efforts.

As a first step, many new partners find it useful to inventory and document past methane emission reduction efforts. The inventory process helps companies quantify the success of their past activities and target future methane emission reduction efforts. Historical methane emission reductions identified as part of the inventory process can be reported to the Natural Gas STAR Program.

Will you inventory past activities to include in your annual report? Yes No

If yes, please describe your company's plans for reviewing past methane emission reduction activities.

The Natural Gas STAR Program thanks you for your time.

Please send completed forms to:

Regular Mail

**Natural Gas STAR Program
U.S. EPA (6207A)
1200 Pennsylvania Avenue, NW
Washington, DC 20460**

Express/Overnight Mail

**Natural Gas STAR Program
1201 Constitution Ave NW
Room Number 4353PP
Washington, DC 20004**

Questions? Please call Jerome Blackman at (202) 343-9630, or send an email to GasSTAR@epa.gov.

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