

Natural Gas STAR Annual Report - Distribution Segment

FORM VERSION: REPORTING SEASON 20XX

Partner Name	
Reporting Year	20XX

Use the Table of Contents below to navigate to the different tabs of the form. You can use column B to indicate if you reported data on a specific tab.

Distribution Emission Sources	Data Reported	Information
Equipment Leaks		Directed inspection and maintenance at gate stations and surface facilities
Mains		Replacement of Cast Iron (CI) and Unprotected Steel (UPS) Mains with Plastic and Protected Steel, or rehabilitation of CI & UPS with plastic liners/inserts
Services		Replacement of Cast Iron (CI) and Unprotected Steel (UPS) Services with Plastic and Protected Steel, or rehabilitation of CI & UPS with plastic liners/inserts
Additional Distribution Activities		Use this tab to report all other methane reductions in the Distribution segment. You will be able to select the technology/practice used from the list of Natural Gas STAR Partner Reported Opportunities. If the activity you are reporting is not included in the list, please contact EPA at GasSTAR@epa.gov

The public reporting and recordkeeping burden for this collection of information is estimated to average 51 hours for each new response and 25 hours for subsequent responses. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Calculation Method
Explain Reduction Calculation Used

This sheet summarizes values used in calculations in this workbook. If you have questions on an

Mains and Services

Source: 40 CFR Part 98, Subpart W, Table W-7

Emission factors	Mains (mcf/yr/mile)	Services (mcf/yr/count)
Cast Iron	238.71	1.66
Unprotected Steel	110.20	1.66
Protected Steel	3.07	0.18
Plastic	9.9	0.01
Copper	NA	0.26

Replacement factors	Cast Iron Replaced	UPS Replaced
MAINS Protected Steel	235.64	107.13
MAINS Plastic	228.81	100.30
SERVICES Protected Steel	1.48	1.48
SERVICES Plastic	1.65	1.65
SERVICES Copper	1.4	1.4

Equipment Leaks

Default Values

Average Annual Leak Rate per Facility ¹	1,700	mcf/yr
Efficiency ²	0.7	percent (expressed as decimal)

Notes:

¹ Derived from EPA Report to Congress, 1993.

² Derived from "Cost Effective Leak Mitigation at Natural Gas Transmission Compressor Stations," sponsor

of the values used, please contact EPA at GasSTAR@epa.gov

"replacement factors" calculated as the difference between emission factors for the original and replacement pipeline material

ed by the Pipeline Research Committee International (PRCI), EPA and GRI, 1999.