

Natural Gas STAR Annual Report - Gathering & Processing 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
Dehydrator Vents		Install flash tank separators on glycol dehydrator vents
Equipment Leaks		Directed inspection and maintenance at gas plants and booster stations
Pneumatic Controllers - Gathering & B		Convert high-bleed controllers to low-bleed; convert high-bleed or low-bleed controllers to zero-emitting controllers; remove controllers from service with no replacement.
Pneumatic Controllers - Processing		
Additional Gathering and Processing A		Use this tab to report all other methane reductions in the Gathering and Processing 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.

Provide additional comments or detail about how your company implemented this BMP

Equipment Leaks

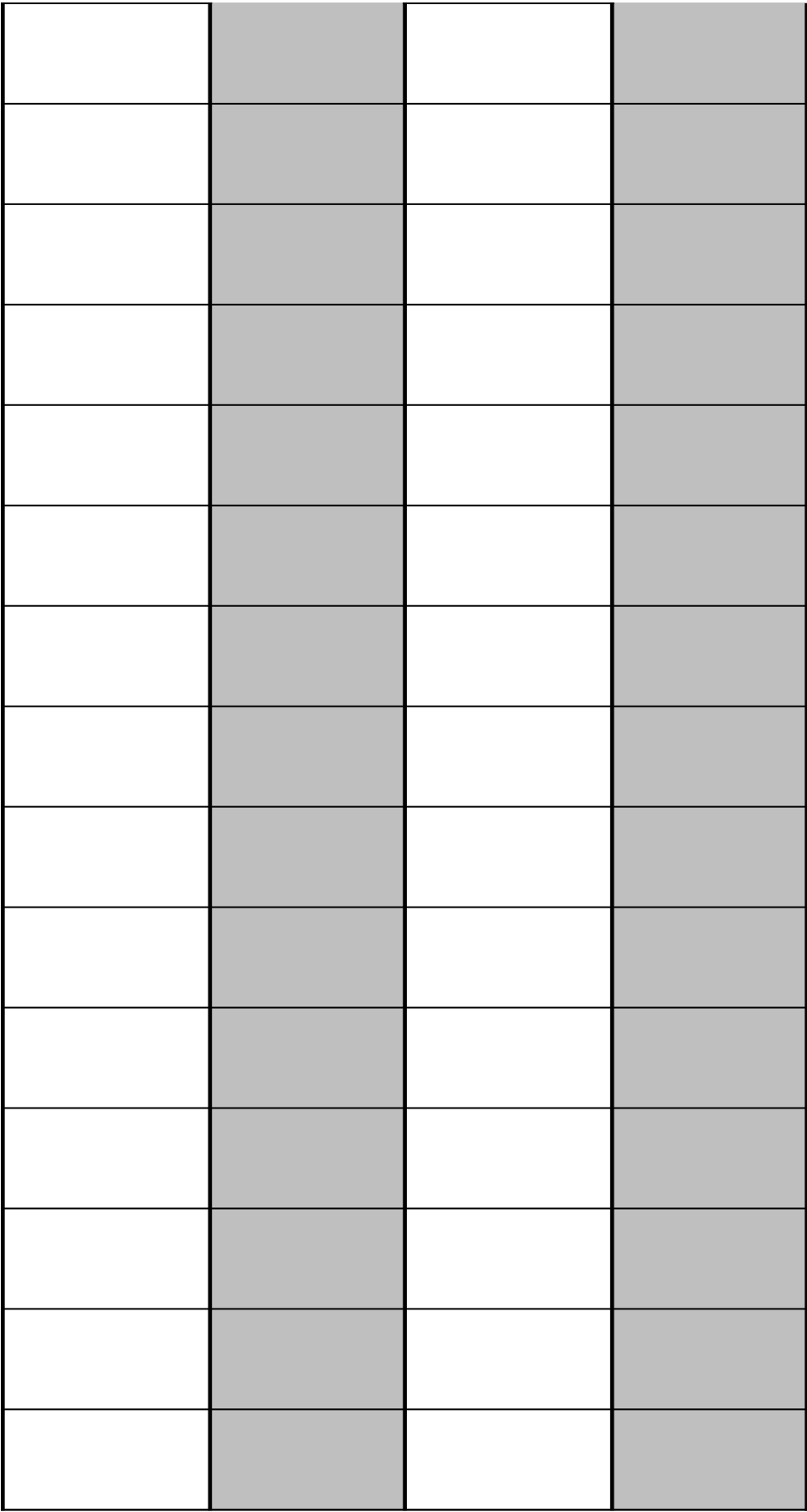
Directed inspection and maintenance at gas plants and booster stations

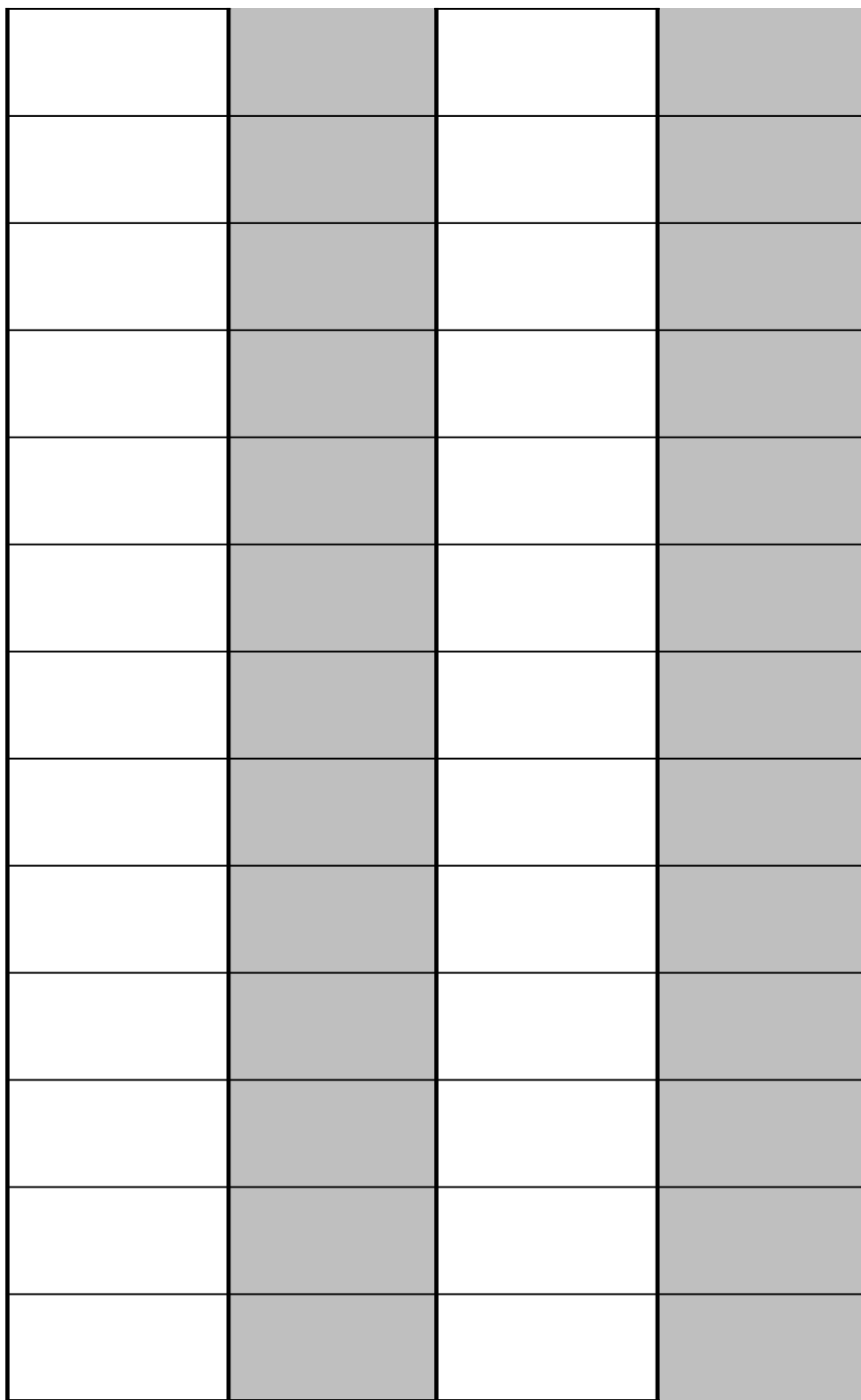
Year	Total Number of Surveys Conducted	Total Number of Leaks Found	Total Number of Leaks Repaired	Total Number of Facilities at Which Leaks Repaired	Basis for Emission Reduction Estimate

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Total Methane Emission Reductions (Mcf/yr)	Explain Reduction Calculation Used

Provide additional comments or detail about how your company implemented this BMP





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

Install Flash Tank Separators on Glycol Dehydrators

Default Values

Emission Factor ¹	170	scf/MMcfd
Efficiency ²	0.9	percent (expressed as decin

Pneumatic Controllers

Emission Factors - Gathering and Boosting

Source: 40 CFR 98, Table W-1A (Population Emission

Low Continuous Bleed Pneumatic Device Vents	1.39	scf whole gas / hour / devic
High Continuous Bleed Pneumatic Device Vents	37.3	scf whole gas / hour / devic

Emission Factors - Processing

Source: 40 CFR 98, Table W-3B [Transmission segme

Low Continuous Bleed Pneumatic Device Vents	1.37	scf whole gas / hour / devic
High Continuous Bleed Pneumatic Device Vents	18.2	scf whole gas / hour / devic

Default Values

Operating hours	8760	Assumes 24/7 operation all
Methane content of natural gas	82.1%	Inventory of U.S. Greenhous (Table 3.6-3), https://www.104/2018_ghgi_natural_gas .

Notes:

- ¹ Derived from "Methane Emissions from the Natural Gas Industry," Volume 14, Glycol Dehydrators, co-spon:
- ² Derived from "Optimize Glycol Circulation And Install Flash Tank Separators In Glycol Dehydrators" Lessons

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

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Factors, Gas Service)

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year

Gas Emissions and Sinks: 1990-2016, Annex 3.6

[epa.gov/sites/production/files/2018-](https://epa.gov/sites/production/files/2018-01/systems_annex_tables.xlsx)

[_systems_annex_tables.xlsx](https://epa.gov/sites/production/files/2018-01/systems_annex_tables.xlsx)

sored by the Gas Research Institute and EPA, June 1996

Learned document, EPA, October 2006.