

Natural Gas STAR Annual Report - Production Segment

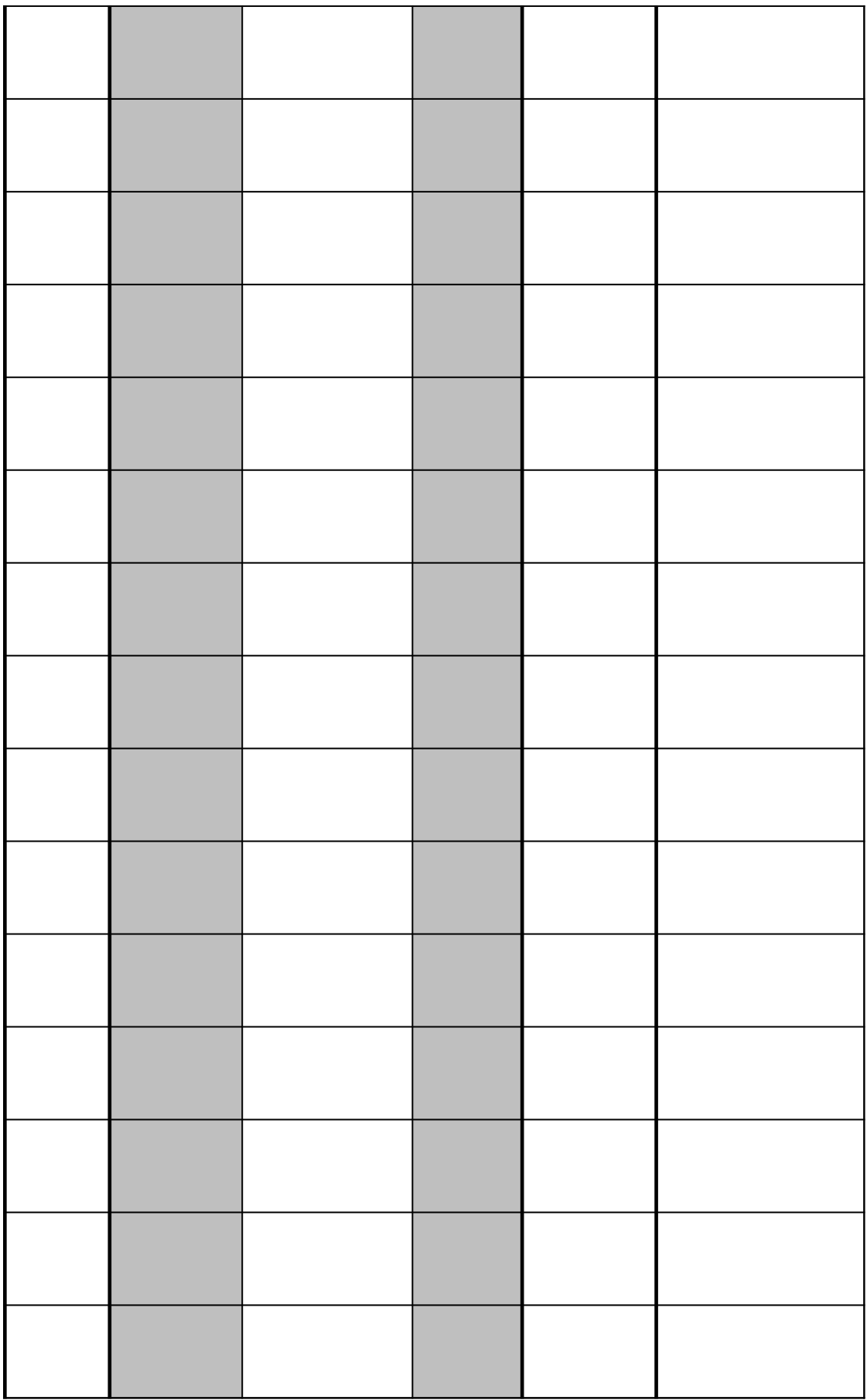
FORM VERSION: REPORTING SEASON 20XX

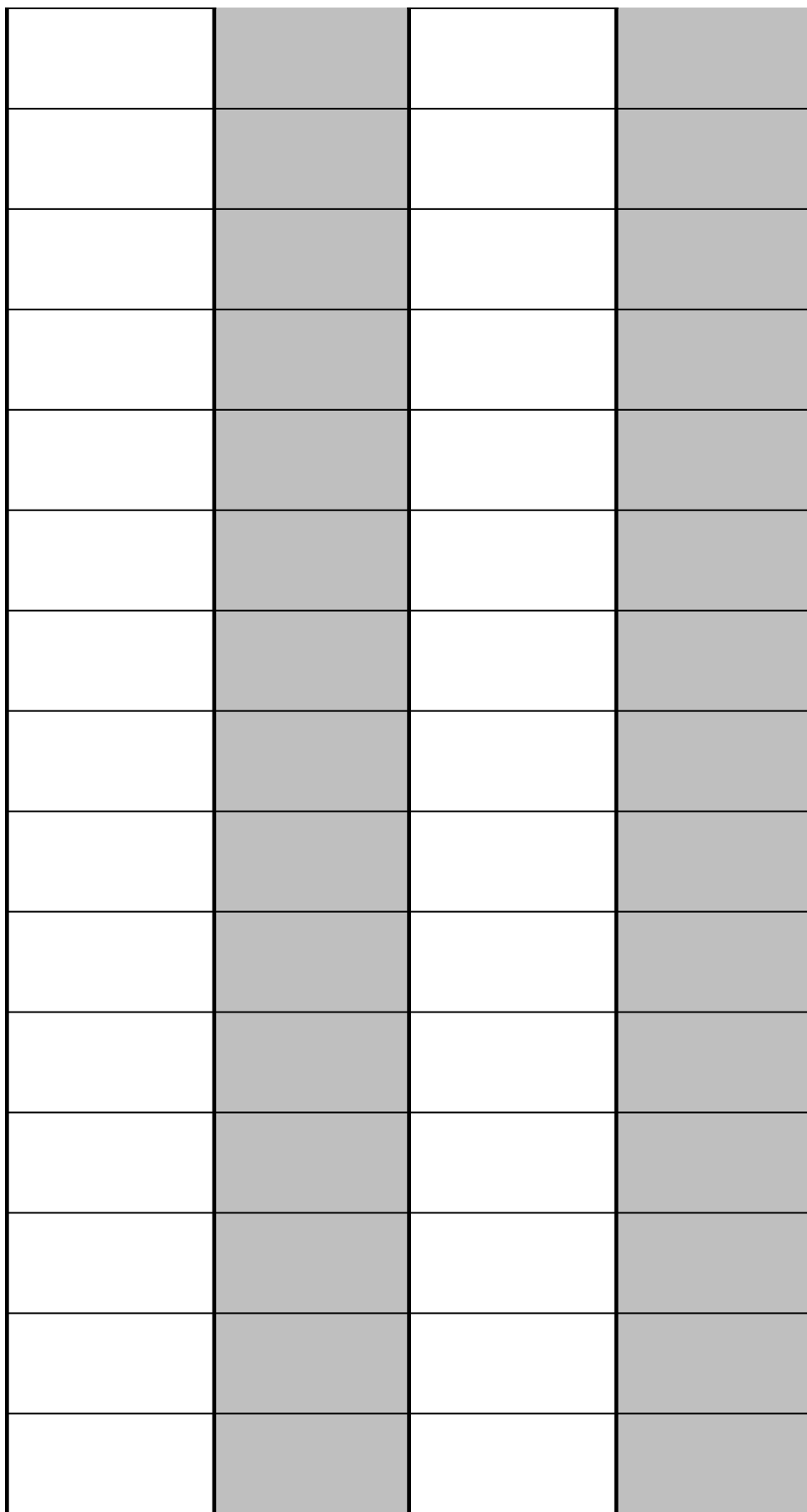
Partner Name	
Reporting Year	20XX

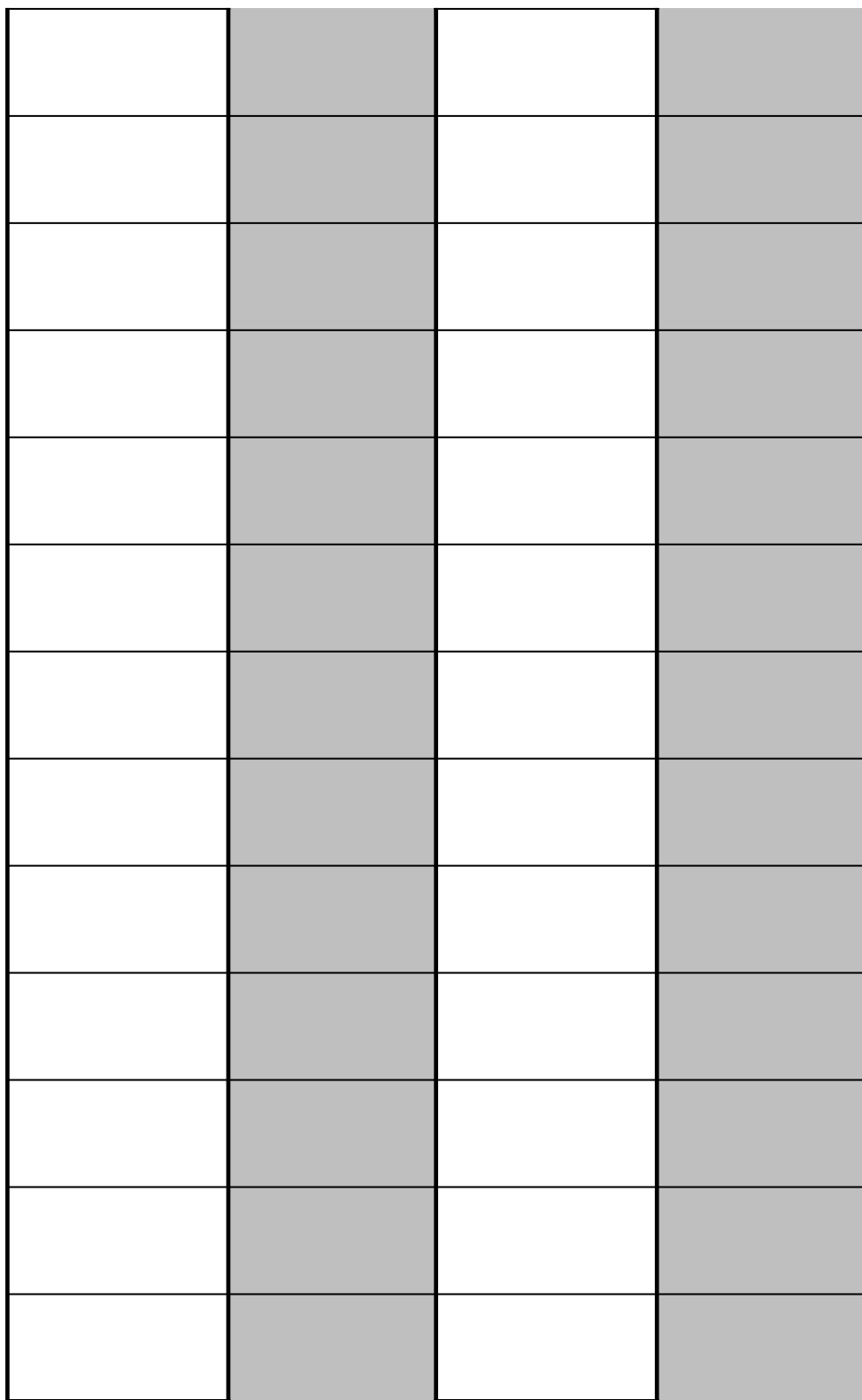
Use the Table of Contents below to navigate to the different tabs of the form. You can use column B to indicate if you reported data on a specific tab.

Distribution Emission Sources	Data Reported	Information
Dehydrator Vents		Install flash tank separators on glycol dehydrator vents
Pneumatic Controllers		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
Additional Production Activities		Use this tab to report all other methane reductions in the Production 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.







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

Install Flash Tank Separators on Glycol Dehydrators

Default Values

Emission Factor ¹	170
Efficiency ²	0.9

Pneumatic Controllers

Emission Factors

Source: 40 CFR 98, Table

Low Continuous Bleed Pneumatic Device Vents	1.39
High Continuous Bleed Pneumatic Device Vents	37.3

Default Values

Operating hours	8760
Methane content of natural gas	82.1%

Notes:

¹ Derived from "Methane Emissions from the Natural Gas Industry," Volume 14, Glycol

² Derived from "Optimize Glycol Circulation And Install Flash Tank Separators In Glycol I

For questions on any of the values used, please contact EPA at GasSTAR@epa.gov

scf/MMcfd

percent (expressed as decimal)

From W-1A (*Population Emission Factors, Gas Service*)

scf whole gas / hr / device

scf whole gas / hr / device

Assumes 24/7 operation all year

Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016, Annex 3.6
(Table 3.6-3), https://www.epa.gov/sites/production/files/2018-04/2018_ghgi_natural_gas_systems_annex_tables.xlsx

Dehydrators, co-sponsored by the Gas Research Institute and EPA, June 1996.

Dehydrators” Lessons Learned document, EPA, October 2006.