This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA’s data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the U.S. Department of Energy or other federal agencies.
Contacts

The Office of Energy Production, Conversion, and Delivery prepared the 2022 Natural Gas Annual (NGA).

You can send general questions and comments on the contents of the NGA to our customer inquiry team at eiainfonaturalgas@eia.gov.

Subject matter experts for the NGA include:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumption and consumer prices</td>
<td>Michael Kopalek</td>
</tr>
<tr>
<td>Imports and exports</td>
<td>Jose Villar</td>
</tr>
<tr>
<td>Natural gas production</td>
<td>Jeffrey Little</td>
</tr>
<tr>
<td>Quality</td>
<td>Michael Kopalek</td>
</tr>
<tr>
<td>Supplemental gaseous fuels</td>
<td>Michael Kopalek</td>
</tr>
<tr>
<td>Underground storage</td>
<td>Emmanuel Eboweme</td>
</tr>
</tbody>
</table>

Bridgette Brown, Taylor Colson, Brett Donaghue, Candy Meza, Carla Piedra, and Vicki Spangler also contributed to this report.
Preface

The Natural Gas Annual 2022 (NGA) provides information on the supply and disposition of natural gas to a wide audience, including Congress, federal and state agencies, industry analysts, consumers, and educational institutions. The first set of tables presents 2022 data in a sequence that follows natural gas (including supplemental supplies) from its production to its end use. Tables summarizing natural gas supply and disposition from 2018 to 2022 for each state follow these tables. Annual historical data are shown at the national level.

Data sources

We collect most of NGA data from our surveys. Most of the sector-level NGA consumption data come from responses to the mandatory Form EIA-176, Annual Report of Natural and Supplemental Gas Supply and Disposition. We mainly obtain production data directly from state and federal agencies, state-sponsored public record databases, or estimates from responses to the mandatory Form EIA-914, Monthly Crude Oil and Lease Condensate and Natural Gas Production Report. When production data from these primary sources are not available, we use data from commercial vendors such as Enverus and PointLogic Energy.

Other EIA surveys that provide information for this report are:

- Form EIA-816, Monthly Natural Gas Liquids Report, and Form EIA-64A, Annual Report of the Origin of Natural Gas Liquids Production, for natural gas processed, plant fuel, and natural gas plant liquids production data
- Form EIA-191, Monthly Underground Gas Storage Report, for underground natural gas storage injections, withdrawals, and capacities
- Form EIA-857, Monthly Report of Natural Gas Purchases and Deliveries to Consumers, for citygate prices
- Form EIA-923, Power Plant Operations Report, for the quantity and price of natural gas consumed by the electric power sector
- Form EIA-910, Monthly Natural Gas Marketer Survey, for natural gas prices paid by residential and commercial end-use customers in the states of Georgia, New York, and Ohio

We have revised the previous two years’ data series as part of our ongoing data quality efforts. We have also revised production volumes and non-marketed components for several states as well as several data series based on Form EIA-176, including deliveries to end-users in several states.

Appendix A discusses data sources and methodology in more detail.

Unless otherwise stated, volumes are reported in million cubic feet at 60°F and 14.73 pounds per square inch absolute. For metric equivalents, 1 cubic foot of natural gas equals approximately 0.0283 cubic meters of natural gas. Appendix Table B1 shows U.S. summary statistics in million cubic meters.

Complete historical data are available through our data browser.
# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overview</td>
<td>1</td>
</tr>
<tr>
<td>Natural Gas Supplies</td>
<td>6</td>
</tr>
<tr>
<td>Natural Gas Imports and Exports</td>
<td>15</td>
</tr>
<tr>
<td>Natural Gas Movements and Storage</td>
<td>28</td>
</tr>
<tr>
<td>Natural Gas Consumption</td>
<td>40</td>
</tr>
<tr>
<td>Natural Gas Consumer Prices</td>
<td>52</td>
</tr>
<tr>
<td>State Summaries</td>
<td>63</td>
</tr>
<tr>
<td>Appendixes</td>
<td></td>
</tr>
<tr>
<td>A. Summary of Data Collection Operations and Report Methodology</td>
<td>170</td>
</tr>
<tr>
<td>B. Metric and Thermal Conversion Tables</td>
<td>180</td>
</tr>
<tr>
<td>Glossary</td>
<td>184</td>
</tr>
</tbody>
</table>
Tables

2. Natural gas production, transmission, and consumption by state, 2022............................4
3. Gross withdrawals and marketed production of natural gas by state and the Gulf of Mexico, 2018-2022...6
4. Offshore gross withdrawals of natural gas by state and the Gulf of Mexico, 2018-2022 ........9
5. Natural gas processed, liquid fuels extracted, and natural gas plant liquids production by state, 2022 ....11
6. Supplemental gas supplies by state, 2022 ..................................................................14
8. Summary of U.S. natural gas imports by point of entry, 2018-2022 .................................18
12. Additions to and withdrawals from gas storage by state, 2022 ........................................37
13. Underground natural gas storage capacity by state, December 31, 2022 ..........................38
15. Natural gas delivered to consumers by sector, 2018-2022, and by state, 2022 ..................42
16. Natural gas delivered to residential consumers on behalf of other companies by state, 2018-2022.....45
17. Natural gas delivered to commercial consumers on behalf of other companies by state, 2018-2022.....46
18. Natural gas delivered to industrial consumers on behalf of other companies by state, 2018-2022.....48
19. Number of natural gas residential consumers by type of service and state, 2020-2022 ...........49
20. Number of natural gas commercial consumers by type of service and state, 2020-2022 ...........50
21. Number of natural gas industrial consumers by type of service and state, 2020-2022 ...........51
23. Average price of natural gas delivered to consumers by state and sector, 2022 ...................56
25. Number of consumers eligible and participating in a customer choice program in the residential sector, 2022.................................................................62
26. Percent distribution of natural gas supply and disposition by state, 2022 ...........................63
27. Percent distribution of natural gas delivered to consumers by state, 2022 ...........................64
S2. Summary statistics for natural gas - Alaska, 2018-2022 ......................................................68
S3. Summary statistics for natural gas - Arizona, 2018-2022 ....................................................70
S5. Summary statistics for natural gas - California, 2018-2022 .................................................74
Figures

1. Natural gas flow in the United States, 2022 .................................................................3
2. Natural gas supply and disposition in the United States, 2022 ........................................5
3. Marketed production of natural gas in the United States and the Gulf of Mexico, 2022 ..........7
4. Marketed production of natural gas in selected states and the Gulf of Mexico, 2022-2022 ....8
5. Gross withdrawals of natural gas in the United States, by type of well, 2018-2022 ..............10
6. Natural gas processing by point of origin in the United States and the Gulf of Mexico, 2022 .....13
7. U.S. natural gas trade summary, 2018-2022 .....................................................................15
8. Flow of natural gas imports, 2022 ..................................................................................16
10. Flow of liquefied natural gas (LNG) exports, 2022 ..........................................................21
11. Natural gas flow capacity summary, by region, 2022 ......................................................28
13. Locations of existing natural gas underground storage fields in the United States, 2022 ......39
15. Natural gas delivered to consumers in the United States, 2022 ........................................44
16. Percent of natural gas deliveries in the United States representing deliveries on behalf of other companies, by consumer sector, 2018-2022 .................................................................47
17. Average price of natural gas delivered to consumers in the United States, 2018-2022 .........52
19. Average citygate price of natural gas in the United States, 2022 .........................................54
20. Average price of natural gas delivered to U.S. residential consumers, 2022 .......................57
21. Average price of natural gas delivered to U.S. commercial consumers, 2022 .....................58
22. Average price of natural gas delivered to U.S. industrial consumers, 2022 .......................59
23. Average price of natural gas delivered to U.S. electric power consumers, 2022 ...............60
24. Top five states with participants in a residential customer choice program, 2022 ...............62