

Petroleum Supply Annual 1999

Volume 2

June 2000

**Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585**

This report is available on the WEB at:

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_annual/psa_volume2/psa_volume2.html

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or necessarily reflecting any policy position of the Department of Energy or any other organization.

This publication and other Energy Information Administration (EIA) publications may be **purchased** from the Superintendent of Documents, U.S. Government Printing Office.

Recent publications may be purchased from:

Superintendent of Documents
U.S. Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954
(202) 512-1800
(202) 512-2250 (FAX)
8:00 a.m. to 4:30 p.m., eastern time, M-F

Older publications may be purchased from:

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161
(703) 487-4650
(703) 321-8547 (FAX)

Complimentary subscriptions and single issues are available to certain groups of subscribers, such as public and academic libraries, Federal, State, local, and foreign governments, EIA survey respondents, and the media. For further information, and for answers to questions on energy statistics, please contact EIA's National Energy Information Center. Address, telephone numbers, and hours are as follows:

National Energy Information Center (NEIC)
Energy Information Administration
EI-30, Forrestal Building
Washington, DC 20585
(202) 586-8800
(202) 586-0727 (FAX)

TTY: For the hearing impaired:
(202) 586-1181
9:00 a.m. to 5:00 p.m., eastern time, M-F

Internet Addresses:
E-mail: infoctr@eia.doe.gov
World Wide Web Site: <http://www.eia.doe.gov>
FTP Site: <ftp://ftp.eia.doe.gov>

Internet Site Services - offer nearly all EIA publications. Users can view and download selected pages or entire reports, search for information, download EIA data and analysis applications, and find out about new EIA information products and services.

EIA's **CD-ROM, *Energy InfoDisc***, contains most EIA publications, and major energy database application. The ***Energy InfoDisc***, produced quarterly, is available for a fee from STAT-USA, Department of Commerce, 1-800-STAT-USA.

We thank the following for the use of their photographs and illustrations in this report.

Phillips 66 Co., page 1 (courtesy of Phillips 66 Company).
Texaco Inc., page 555 (courtesy of Texaco Inc.).
Standard Oil Co., page 559 (courtesy of the American Petroleum Institute).
Atlantic Richfield Co., page 587 (courtesy of the American Petroleum Institute).

Released for printing: June 12, 2000



Printed with soy ink on recycled paper

Data Available Electronically

Data from the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and the *Petroleum Supply Annual* publications as well as data from other sources are available electronically on the Energy Information Administration's World Wide Web Site, and the Comprehensive Oil and Gas Information Source (COGIS). The schedule for data release is as follows:

| Publications/Sources | Information |
|---|---|
| <i>Weekly Petroleum Status Report</i> | |
| Wednesday 9:00 a.m. (weekly) | Table 1 (U.S. Balance Sheet) and Data Log (Table 14 plus 4-week averages) |
| Wednesday 5:00 p.m. 6th-12th (monthly) | Table H1 (Petroleum Supply Summary) |
| <i>Winter Fuels Report</i> (October through March) | |
| Wednesday 5:00 p.m. (weekly) | All tables and highlights |
| <i>Propane Data</i> (April through September) | |
| Second Wednesday of the month (9:00 a.m.) | Propane Stocks |
| <i>Petroleum Supply Monthly</i> | |
| 23rd-26th (monthly) | Table H1 (Petroleum Supply Summary) and all Summary Statistics and Detailed Statistics Tables |
| <i>Petroleum Supply Annual</i> | |
| <i>Oxygenate Data</i> | |
| 15 working days after the report month | Table D1 U.S. Summary Table D2 (Fuel Ethanol Production/Stocks) Table D3 (MTBE Production/Stocks) and Table D4 (MTBE Merchant and Captive) |
| <i>Imports Data</i> | |
| 7th-10th (preliminary) | Import data by company from the Form EIA-814, "Monthly Imports Report" |
| 23rd-26th (final) | |

Preface

The *Petroleum Supply Annual* (PSA) contains information on the supply and disposition of crude oil and petroleum products. The publication reflects data that were collected from the petroleum industry during 1999 through monthly surveys. The *PSA* is divided into two volumes. This first volume contains three sections: Summary Statistics, Detailed Statistics, and Refinery Statistics; each with final annual data. The second volume contains final statistics for each month of 1999, and replaces data previously published in the *Petroleum Supply Monthly* (PSM). The tables in Volumes 1 and 2 are similarly numbered to facilitate comparison between them. Explanatory Notes, located at the end of this publication, present information describing data collection, sources, estimation methodology, data quality control procedures, modifications to reporting requirements and interpretation of tables. Industry terminology and product definitions are listed alphabetically in the Glossary.

Contents

| | Page |
|--|------|
| 1999 Monthly Statistics Tables | |
| National Statistics | |
| 1. U.S. Petroleum Balance | 2 |
| 2. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products..... | 14 |
| 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products | 26 |
| Supply and Disposition of Crude Oil and Petroleum Products | |
| 4. PAD District I | 38 |
| 5. Daily Average PAD District I..... | 50 |
| 6. PAD District II | 62 |
| 7. Daily Average PAD District II..... | 74 |
| 8. PAD District III..... | 86 |
| 9. Daily Average PAD District III | 98 |
| 10. PAD District IV..... | 110 |
| 11. Daily Average PAD District IV | 122 |
| 12. PAD District V | 134 |
| 13. Daily Average PAD District V | 146 |
| Production of Crude Oil | |
| 14. Production of Crude Oil by PAD District and State | 158 |
| Natural Gas Processing | |
| 15. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts | 170 |
| Refinery Operations | |
| 16. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts..... | 182 |
| 17. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts | 206 |
| 18. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts | 230 |
| 19. Percent Refinery Yield of Petroleum Products by PAD and Refining Districts | 254 |
| Imports of Crude Oil and Petroleum Products | |
| PAD District | |
| 20. Imports of Crude Oil and Petroleum Products..... | 266 |
| Country of Origin | |
| 21. United States..... | 278 |
| 22. PAD District I..... | 302 |
| 23. PAD District II | 326 |
| 24. PAD District III | 350 |
| 25. PAD Districts IV and V | 374 |
| State of Entry | |
| 26. Imports of Residual Fuel Oil by Sulfur Content | 398 |
| Exports of Crude Oil and Petroleum Products | |
| 27. Exports of Crude Oil and Petroleum Products by PAD District | 410 |
| 28. Exports of Crude Oil and Petroleum Products by Destination..... | 422 |
| Net Imports | |
| 29. Net Imports of Crude Oil and Petroleum Products into the United States by Country | 446 |
| Stocks | |
| 30. Stocks of Crude Oil and Petroleum Products by PAD District | 458 |
| 31. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State..... | 494 |

| | Page |
|---|-------------|
| Movements of Crude Oil and Petroleum Products | |
| 32. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts | 506 |
| 33. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts | 518 |
| 34. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts | 530 |
| 35. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts | 542 |
| Appendices | |
| A. District Descriptions and Maps | 555 |
| B. Explanatory Notes | 559 |
| Glossary | |
| Definitions of Petroleum Products and Other Terms | 587 |