

Appendix A—State-of-the-Data Reports

Title: An Assessment of the Accuracy of Principal Data Series of the Energy Information Administration

Contributors: Staff members in the Office of Energy Information Validation

Published: June 1981, 200+ pages

Series covered: Volumes of selected petroleum products, natural gas, coal, and electric power data (annual data)

Methodology: Review of validation studies, data comparisons

Title: An Assessment of the Quality of Principal Data Series of the Energy Information Administration

Contributors: Renee Miller, Doug Hale, Turkan Gardenier, Virginia Bushmiller, Office of Statistical Standards, Andrew Loebel, Kurt Snapper and Thomas White, then of Maxima Corporation

Published: April 1983, 274 pages

Series covered: Volumes and prices of selected petroleum products, volumes of natural gas (annual and monthly data)

Methodology: Review of validation studies, data comparisons, examination of differences in components of definitions for natural gas production

Title: An Assessment of the Quality of Selected Data Series of the Energy Information Administration: Coal and Electric Power Data from 1977 to 1982

Contributors: Renee Miller, Virginia Bushmiller, Office of Statistical Standards, Al Herhal, William Meroney and Charles Whitmore, then of Science Applications International Corporation

Published: April 1984, 198 pages

Series covered: Coal production, coal consumption at electric utilities, net generation, installed nameplate capacity (annual and monthly data where available)

Methodology: Review of validation studies, data comparisons, review and description of survey design and quality assurance activities

Title: An Assessment of the Quality of Principal Oil and Gas Data Series of the Energy Information Administration

Contributors: Data Quality and Support Branch of the Office of Oil and Gas and staff of Orkand Corporation

Published: August 1984, 384 pages

Series covered: Volumes and prices of selected petroleum products, volumes of natural gas (annual and monthly data where available)

Methodology: Data comparisons

Title: An Assessment of the Quality of Selected Data Series of the Energy Information Administration: Uranium and Nuclear Power Data from 1977 to 1983

Contributors: Renee Miller, Linda Doman, Stan Freedman, Office of Statistical Standards and Harry Chernoff, then of Science Applications International Corporation

Published: April 1985, 129 pages

Series covered: Uranium exploration footage drilled, uranium prices, unfilled requirements for uranium, uncommitted uranium available for sale by producers, (annual data) capacity factor of nuclear power plants (monthly data)

Methodology: Data comparisons when available, review and description of survey design and quality assurance activities, examination of variation in price data

Title: An Assessment of the Quality of Selected Data Series of the Energy Information Administration: Energy Consumption Data

Contributors: Renee Miller, Linda Doman, Office of Statistical Standards, John H. Herbert, Office of Oil and Gas, Bill Meroney, Charles Whitmore, Elizabeth Titus, then of Science Applications International Corporation and other staff members of SAIC

Published: April 1986, 155 pages

Series covered: State Energy Data System (SEDS), annual data, Residential Energy Consumption Survey, Commercial Buildings Energy Consumption Survey (initially annual data, then triennial)

Methodology: Data comparisons, Review of SEDS estimation procedures, Effect of changes in SEDS over time, Sensitivity of SEDS estimates to assumptions, identification of outlying observations in the historical data in SEDS

Title: An Assessment of the Quality of Selected EIA Data Series: Petroleum Supply Data

Contributors: Renee Miller, Office of Statistical Standards, Bill Meroney and Elizabeth Titus then of Science Applications International Corporation

Published: August 1987, 63 pages

Series covered: Imports of petroleum products, production, stocks, and product supplied (monthly and annual data)

Methodology: Data comparisons, identification of anomalous values

Title: An Assessment of the Quality of Selected EIA Data Series: Electric Power Data

Contributors: Renee Miller, Office of Statistical Standards, Bill Meroney and Elizabeth Titus then of Science Applications International Corporation

Published: April 1989, 68 pages

Series covered: Sales of electricity, cost and quantities of fuel receipts at electric utilities (monthly and annual data)

Methodology: Data comparisons, Identification of anomalous values, regression analysis to obtain calendar month estimates for sales to compare with reporting months

Title: An Assessment of the Quality of Selected EIA Data Series: Coal Data: 1983 Through 1988

Authors: Antoinette Ware Martin and Donald Martin, Office of Statistical Standards, Chris Minnucci and other staff members, then of Science Applications International Corporation

Published: November 1991, 85 pages

Series covered: Coal production, direct labor hours, recoverable reserves, prices (annual data)

Methodology: Data comparisons, identification of anomalous values

Note: Studies prepared in the Office of Statistical Standards were completed under the direction of Yvonne M. Bishop, Director of the Office of Statistical Standards, Douglas R. Hale, Director of Quality Assurance Division and from the 1984 report on Stanley R. Freedman, Team Leader of the Data Quality Team