

## **Monthly Energy Review, Section 7: Estimating Monthly 1989-2000 Data for Generation, Consumption, and Stocks**

For 1989-2000, monthly and annual data were collected for electric utilities; however, during this time period, only annual data were collected for independent power producers, commercial plants, and industrial plants.

To obtain 1989-2000 monthly estimates for the Electric Power, Commercial, and Industrial Sectors, electric utility patterns were used for each energy source ( $\text{MonthX} = \text{MonthUtility} * \text{AnnualX} / \text{AnnualUtility}$ ). For example, to estimate “Electricity Net Generation From Coal: Electric Power Sector” in Table 7.2b, the monthly pattern for “Electricity Net Generation From Coal: Electric Utilities” was used. To estimate the distillate fuel oil component of “Consumption of Petroleum for Electricity Generation: Commercial Sector” in Table 7.3c, the monthly pattern for “Consumption of Distillate Fuel Oil: Electric Utilities” was used. To estimate “Consumption of Wood for Electricity Generation and Useful Thermal Output: Industrial Sector” in Table 7.4c, the monthly pattern for “Consumption of Wood for Electricity Generation: Electric Utilities” was used. To estimate “Stocks of Petroleum Coke: Electric Power Sector” in Table 7.5, the monthly pattern for “Stocks of Petroleum Coke: Electric Utilities” was used.

There were, however, these exceptions:

“Other Gases,” “Other Liquids,” and “Other”: Historical monthly electric utility data were not available for these energy sources. For these, monthly estimates were created by dividing the annual values by the number of days in the year and then multiplying by the number of days in the month.

“Coal” and “Natural Gas” series for Industrial Sector generation and consumption: Review of the data indicated that the electric utility patterns were not consistent with the patterns analysts expected for these categories. Instead, for the Coal Industrial Sector series, the Federal Reserve Board Composite Index was used; for the Natural Gas Industrial Sector series, the Federal Reserve Board Industrial Gas Sales Index was used.

“Geothermal”: During 1999, one electric utility with a large amount of generation from geothermal energy was reclassified as an independent power producer, distorting the electric utility pattern for that year. To obtain 1999 monthly estimates, the pattern for the other two electric utilities with generation from geothermal energy was used.