Diagram 5. Electricity Flow, 1999
(Quadrillion Btu)

Electric Utilities

- Coal 18.36
- Natural Gas 3.19
- Fossil Fuels 22.52
- Petroleum 0.97
- Nuclear Electric Power 7.70
- Hydroelectric Power 3.04
- Geothermal and Other 0.06

Nonutility Power Producers

- Coal 1.45
- Natural Gas 2.31
- Petroleum 0.37
- Nuclear 0.03
- Hydropower 0.12
- Other 1.05

Energy Consumed To Generate Electricity 33.32
Conversion Losses 21.89

Gross Generation of Electricity 11.43
Net Generation of Electricity 10.86

Electricity Imports 0.15
Plant Use 0.06

T & D Losses 1.03
Electricity Exports 0.05

Unaccounted for 0.13

Sales to Electric Utilities 0.85
Sales to End Users 0.09
Direct Use 0.46

Approximately two-thirds of all energy used to generate electricity. See Note 1 at end of section.

The electric energy used in the operation of power plants. For utilities, plant use is estimated as 5 percent of gross generation. See Note 1 at end of section.

Transmission and distribution losses are estimated as 9 percent of gross generation of electricity. See Note 1 at end of section.

Wood, waste, wind, and solar energy used to generate electricity. See Table 8.3.

Balancing item to adjust for 1998 data used to estimate 1999 values for some small series; data collection frame differences; and nonsampling error.

Public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales.

Sales, interchanges, and exchanges of electric energy with utilities.

1999 data not available; this is the 1998 value.

Includes sales, interchanges, and exchanges of electric energy with other nonutilities.

Direct use is facility use of onsite net electricity generation.

Geothermal, wood, waste, wind, and solar energy used to generate electricity.

See Table 8.4.

Note: Totals may not equal sum of components due to independent rounding.
Sources: Tables 8.1, 8.3, 8.8, 8.9, 8.14, and A6.