Diagram 5. Electricity Flow, 1998
(Quadrillion Btu)

**Electric Utilities**

Coal 18.72
Natural Gas 3.32
Petroleum 1.17
Nuclear Electric Power 7.16
Hydroelectric Power 3.14

Energy Consumed To Generate Electricity 33.64
Conversion Losses 22.10
Gross Generation of Electricity 11.54
Net Generation of Electricity 10.96
Plant Use of Electricity 0.58
T & D Losses 1.04
Exported Electricity 0.06
Unaccounted for 0.40

Retail Sales of Electricity to End Users 10.99

**Nonutility Power Producers**

Energy Consumed for Industrial Processes/Products and To Produce Steam To Generate Electricity

Conversion Losses and Industrial Processes

Gross Generation 1.44
Facility Use (including losses) 0.79

Sales to Electric Utilities 0.77
Sales to Other End Users 0.07

Other 0.34

Residential 3.84
Commercial 3.24
Industrial 3.57

Approximately two-thirds of the energy consumed at electric utilities to generate electricity. See Note 1 at end of section.

Estimated as 5 percent of gross generation of electricity by utilities. See Note 1 at end of section.

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

Wood, waste, wind, photovoltaic, and solar thermal energy used to generate electricity for distribution. See Table 8.3.

Sales, interchanges, and exchanges of electric energy with other nonutilities. Data are included in industrial sales.

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

No data are available.

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

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.