Diagram 5. Electricity Flow, 1997
(Quadrillion Btu)

Electric Utilities

Coal 18.44
Natural Gas 3.03
Petroleum 0.84
Nuclear Electric Power 5.69
Hydroelectric Power 3.49
Geothermal and Other 0.13

Energy Consumed To Generate Electricity 32.62
Conversion Losses 21.39

Gross Generation 11.23
Net Generation of Electricity 10.66

Imported Electricity 0.16
Receipts from Electric Utilities 0.41
Unaccounted for 0.40

Plant Use of Electricity 0.57
T & D Losses 1.01
Exported Electricity 0.04

Retail Sales of Electricity to End Users 10.65

Sales to Electric Utilities 0.89
Sales to Other End Users 0.05
Facility Use (including losses) 0.91

Nonutility Power Producers

Energy Consumed for Industrial Processes/Products and To Produce Steam To Generate Electricity 1.85
de

Gross Generation 1.44
conversions losses and industrial processes 0.13
de

Industrial 3.53
Commercial 3.12
Residential 3.66
Other 0.34

Exported Electricity 0.04

Sources: Tables 8.1, 8.3, 8.8, 8.9, 8.14, and A7.

Note:
- 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.
- 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 utilities and 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.

To End Users 0.05

Note: Totals may not equal sum of components due to independent rounding.

Facility Use (including losses) 0.91

Sales to Other End Users 0.05
Facility Use (including losses) 0.91

Other 0.34

Exported Electricity 0.04

Sales to Electric Utilities 0.89
Sales to Other End Users 0.05
Facility Use (including losses) 0.91

The text provides a detailed breakdown of energy consumed in various sectors, including electric utilities and nonutility power producers. It also notes various losses and unaccounted for energy. The diagram visually represents the flow of electricity, showing gross and net generation, conversion losses, and various types of sales and exchanges.