Diagram 5. Electricity Flow, 2003
(Quadrillion Btu)

Coal 20.67
Fossil Fuels 27.58
Natural Gas 5.51
Petroleum 1.27
Nuclear Electric Power 7.97
Renewable Energy 4.13

Energy Consumed To Generate Electricity 39.62
Conversion Losses 25.80

Gross Generation of Electricity 13.82
Net Generation of Electricity 13.13
End Use 12.54
Retail Sales 11.94

Electricity Imports 0.10
Electricity Exports 0.08
Direct Use 0.60
Transportation 0.02
Plant Use 0.69
T & D Losses 1.24

Other Gases 0.12
Other Pumped Storage 0.09
Hydroelectric Pumped Storage 0.09
Unaccounted for 0.63

Other blaming gas sources, propane gas, and other manufactured and waste gases derived from fossil fuels.

b Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

c Pumped storage facility production minus energy used for pumping.

d Approximately two-thirds of all energy used to generate electricity. See note “Electrical System Energy Losses,” at end of Section 2.

e Data collection frame differences and nonsampling error.

f Electric energy used in the operation of power plants, estimated as 5 percent of gross generation. See note “Electrical System Energy Losses,” at end of Section 2.

g Transmission and distribution losses (electricity losses that occur between the point of generation and delivery to the customer) are estimated as 9 percent of gross generation. See note “Electrical System Energy Losses,” at end of Section 2.

h Commercial retail sales plus approximately 95 percent of “Other” retail sales from Table 8.9.

i Commercial and industrial facility use of onsite net electricity generation; and electricity sales among adjacent or co-located facilities for which revenue information is not available.

Note: Totals may not equal sum of components due to independent rounding.
Sources: Tables 2.1b-2.1e, 8.1, 8.4a, and A6 (column 4).