Coal 20.58 Conversion Fossil Losses 26.57 Fuels 28.25 Energy Consumed To Generate Electricity 40.77 Natural Gas 6.18 Plant Usee 0.71 Other Gases^a 0.21 T & D Lossesf Gross Residential 4.4 Generation of Electricity Net End Use 12.68 Nuclear Electric Power Retail Generation of Electricity Commercial 4.19 14.20 13.49 Renewable Energy 4.27 Industrial 3.48 Trans-Net Imports of Electricity 0.04 Use⁹ 0.57 portation 0.03 Otherb 0.02 Unaccounted ford 0.43

Table 5.2 – Electricity Flow Diagram (Quadrillion Btu)

Source: EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Diagram 5. **Notes:**

a Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

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

e Electric energy used in the operation of power plants, estimated as 5% of gross generation.

f Transmission and distribution losses (electricity losses that occur between the point of generation and delivery to the customer) are estimated as 9% of gross generation.

c Estimated as net generation divided by 0.95.

g Use of electricity that is 1) self-generated, 2) produced by either the same entity that consumes the power or an affiliate, and 3) used in direct support of a service or industrial process located within the same facility or group of facilities that house the generating equipment. Direct use is exclusive of station use.

d Data collection frame differences and sampling error.

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