

Table 7.4 – Generation and Transmission/Distribution Losses

(Billion kWh)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>
Net Generation Delivered	2,290	3,038	3,802	3,737	3,858	3,883	3,953	4,211	4,536	4,893	5,240	5,648
Generation Losses ¹	4,859	6,316	7,809	7,617	7,798	7,756	8,006	8,339	8,764	9,232	9,652	10,094
Transmission and Distribution Losses ²	NA	219	258	243	266	257	271	251	254	274	294	317

Sources: Calculated from EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Tables 8.1, 8.2a, and 8.4a; and EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, D.C., February 2006), Tables A2 and A8.

Notes:

¹ Generation Losses for all years are calculated by calculating a Gross Generation value in billion kWh by multiplying the energy input in trillion Btu by (1000/3412) and subtracting the Net Generation in billion kWh from the Gross Generation estimate.

² Transmission and Distribution Losses= Electricity Needed to be Transmitted- Electricity Sales, where Electricity Needed to be Transmitted = Total Generation from Electric Generators + Cogenerators + Net Imports - Generation for Own Use. Represents energy losses that occur between the point of generation and delivery to the customer, and data collection frame differences and nonsampling error.

NA = not available