Table 7.4 – Generation and Transmission/Distribution Losses

(Billion kWh)

	1980	1990	2000	2001	2002	2003	2004	2010	2015	2020	2025	2030
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