

## **Interim Data Changes in the Short-term Energy Outlook Data System Related to Electric Power Sector and Natural Gas Demand Data Revisions**

Beginning with the December 2002 issue of EIA's *Short-Term Energy Outlook* (STEO), electricity generation and related fuel consumption totals will be presented on a basis that is consistent with the definitions and aggregates used in the 2001 edition of EIA's [Annual Energy Review](#) (AER). Particularly affected by these changes are the demand and balancing item totals for natural gas. Table DR1 below provides annual comparisons for selected variables used in the old STEO system between the way the variable was traditionally presented in the STEO and as it would be calculated based on the latest AER-type data. This is provided to indicate the significance of any data changes from marking to the AER2001 totals.

A number of changes in the display format for traditional STEO Tables have also been instituted. In particular, electricity generation categories now break out into the Electric Power sector (electric utilities and independent power producers) and other sectors, including generation from combined heat and power (CHP) or electricity-only plants in the commercial and industrial sectors. Fuel consumption in the industrial sector is displayed so as to indicate the amount of fuel used by CHP and electricity-only generating plants separate from other industrial fuel use for selected fuels, specifically coal and natural gas. Tables DR2 through DR7 illustrate key changes in STEO table formats.

These changes are considered interim revisions because certain details concerning the estimation of monthly patterns for components of electricity supply and related fuel consumption require additional work to generate optimal estimates. In addition, the pending release of EIA's *Natural Gas Annual* (January 2003) is expected to improve 2001 estimates of the natural gas demand and supply estimates for 2001 in the context of the new AER data format. Improved estimates of historical monthly values for many of the key electricity and fuel-for-power variables are expected to become available when the new data format is incorporated in EIA's *Monthly Energy Review* in the Spring of 2003.

**Table DR1. New Basis (AER Definitions) vs Old Basis Values for Selected STEO Variables**  
 (Based on December 2002 STEO)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>"Industrial" Nat. Gas Demand (Incl. Nonutility Cons.) TCF</b>													
New Basis	7.13	7.46	7.76	8.21	8.49	8.70	9.20	9.51	9.61	9.65	9.79	10.42	10.10
Old Basis	6.82	7.02	7.23	7.53	7.98	8.17	8.58	8.87	8.83	8.69	9.01	9.51	9.02
<b>Nonutility Natural Gas-Fired Generation (BKwh)</b>													
New Basis	86.03	108.68	117.38	140.20	156.01	169.10	188.75	192.33	195.77	222.03	260.01	310.34	364.77
Old Basis	90.49	114.25	128.42	154.43	169.50	174.81	191.23	193.11	201.82	231.42	260.19	305.90	366.58
<b>Nonutility Natural Gas Consumption (TCF)</b>													
New Basis	1.26	1.56	1.64	1.85	1.98	2.17	2.38	2.45	2.47	2.77	3.19	3.63	4.06
Old Basis	1.18	1.39	1.57	1.84	2.01	2.15	2.30	2.45	2.23	2.67	2.51	3.13	4.05
<b>Total Natural Gas Demand (TCF)</b>													
New Basis	19.12	19.16	19.56	20.23	20.79	21.24	22.20	22.60	22.73	22.24	22.39	23.44	22.41
Old Basis	18.80	18.72	19.03	19.54	20.28	20.71	21.58	21.96	21.95	21.27	21.61	22.54	21.32
<b>Natural Gas Balancing Item (TCF)</b>													
New Basis	0.09	0.34	-0.14	0.12	0.09	0.13	0.35	0.87	0.89	0.67	-0.17	0.03	0.42
Old Basis	-0.23	-0.11	-0.66	-0.56	-0.42	-0.40	-0.27	0.24	0.11	-0.29	-0.95	-0.88	-0.67
<b>Nonutility Coal-Fired Generation (BKwh)</b>													
New Basis	30.12	34.41	39.46	45.31	50.92	55.20	56.51	57.74	57.21	66.04	113.41	269.65	343.23
Old Basis	30.16	30.70	38.77	45.19	50.86	56.20	57.26	58.26	56.30	66.47	116.64	271.11	352.50
<b>Nonutility Coal Demand (MMST)</b>													
New Basis	31.29	37.99	39.86	44.65	48.40	52.14	52.01	53.33	52.59	55.75	76.05	156.06	186.76
Old Basis	30.76	32.31	38.12	44.61	48.34	52.26	50.33	53.20	52.91	56.85	58.40	131.63	175.24
<b>Nonutility Geothermal-Based Generation (BKwh)</b>													
New Basis	4.82	6.85	7.88	8.03	9.22	8.59	8.63	9.09	9.26	9.60	13.13	13.94	13.70
Old Basis	4.95	7.21	7.95	8.32	9.45	9.82	9.61	9.89	9.10	9.55	13.32	14.05	13.72
<b>Nonutility Hydroelectric Generation (BKwh)</b>													
New Basis	6.91	9.43	8.93	9.35	11.40	13.05	14.45	16.10	15.18	14.47	19.51	21.84	17.44
Old Basis	5.54	9.58	9.45	9.35	11.40	13.09	14.63	16.39	17.67	14.49	19.45	24.89	18.04
<b>Nonutility Other Gaseous Fuels-Fired Generation (BKwh)</b>													
New Basis	0.00	0.00	0.00	0.00	0.00	13.32	13.87	14.36	13.35	13.49	14.13	13.95	13.77
Old Basis	6.28	0.00	0.00	0.00	0.00	12.11	13.51	14.17	11.18	8.51	13.41	15.76	18.89
<b>Nonutility Oil-Fired Generation (BKwh)</b>													
New Basis	6.20	8.14	8.29	11.24	13.25	14.86	13.71	14.07	14.80	18.64	31.13	39.04	47.11
Old Basis	5.67	7.03	7.49	10.51	12.81	14.46	14.42	14.34	15.27	16.77	36.63	36.60	49.09
<b>Nonutility Oil Consumption (MBD)</b>													
New Basis	83.69	122.87	104.70	120.19	137.85	153.90	142.97	152.51	154.44	175.41	226.92	250.56	299.17
Old Basis	33.76	91.56	98.70	124.66	144.85	179.70	153.35	166.30	157.30	209.93	182.78	185.09	265.10
<b>Nonutility Wind/Solar Generation (BKwh)</b>													
New Basis	2.16	3.15	3.42	3.28	3.46	3.93	3.65	3.74	3.79	3.52	4.96	6.06	6.79
Old Basis	2.29	3.68	3.78	3.61	3.89	4.25	3.95	4.24	4.08	3.84	5.31	5.77	6.54
<b>Nonutility Wood/Waste Generation (BKwh)</b>													
New Basis	26.26	31.71	32.99	35.71	36.73	37.17	35.89	36.01	36.21	35.62	36.36	36.89	36.50
Old Basis	35.08	29.62	32.45	34.78	35.92	37.06	35.78	36.01	33.51	51.05	62.71	62.03	67.90
<b>Total Nonutility Generation (BKwh)</b>													
New Basis	174.79	229.20	248.82	285.42	313.89	337.79	358.74	366.74	367.69	411.49	521.14	786.74	1103.56
Old Basis	187.56	216.72	246.31	286.15	314.40	343.09	363.31	369.55	371.70	405.70	530.87	784.56	1127.88

## Table DR2. December 2002 STEO: Annual U.S. Natural Gas Supply and Demand (Trill. Cubic Feet)

(Energy Information Administration/Short-Term Energy Outlook -- December 2002)

	Year														
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Supply</b>															
Total Dry Gas Production	17.31	17.81	17.70	17.84	18.10	18.82	18.60	18.85	18.90	19.02	18.83	18.99	19.45	19.13	19.64
Net Imports	1.27	1.45	1.64	1.92	2.21	2.46	2.69	2.78	2.84	2.99	3.42	3.54	3.65	3.49	3.56
Supplemental Gaseous Fuels	0.11	0.12	0.11	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.08	0.08	0.08
Total New Supply	18.69	19.38	19.45	19.88	20.42	21.39	21.40	21.75	21.84	22.12	22.35	22.61	23.17	22.70	23.28
<b>Working Gas in Storage</b>															
Opening	2.85	2.51	3.07	2.82	2.60	2.32	2.61	2.15	2.17	2.17	2.73	2.52	1.72	2.90	2.46
Closing	2.51	3.07	2.82	2.60	2.32	2.61	2.15	2.17	2.17	2.73	2.52	1.72	2.90	2.46	2.32
Net Withdrawals	0.34	-0.56	0.24	0.23	0.28	-0.28	0.45	-0.02	0.00	-0.56	0.21	0.80	-1.18	0.45	0.14
Total Supply	19.03	18.82	19.70	20.11	20.70	21.11	21.85	21.73	21.84	21.56	22.56	23.41	21.99	23.15	23.42
Balancing Item	0.09	0.34	-0.14	0.12	0.09	0.13	0.35	0.87	0.89	0.67	-0.17	0.03	0.42	-0.94	-0.32
Total Primary Supply	19.12	19.16	19.56	20.23	20.79	21.24	22.20	22.60	22.73	22.24	22.39	23.44	22.41	22.21	23.11
<b>Demand</b>															
Residential	4.78	4.39	4.56	4.69	4.96	4.85	4.85	5.24	4.98	4.52	4.73	4.99	4.81	4.89	5.04
Commercial	2.72	2.62	2.73	2.80	2.86	2.90	3.03	3.16	3.21	3.00	3.04	3.22	3.04	3.13	3.21
Industrial	7.89	8.24	8.36	8.70	8.87	8.91	9.38	9.69	9.71	9.49	9.16	9.38	8.66	8.04	8.39
Lease and Plant Fuel	1.07	1.24	1.13	1.17	1.17	1.12	1.22	1.25	1.20	1.17	1.08	1.13	1.16	1.15	1.17
Other Industrial	6.82	7.01	7.23	7.53	7.70	7.79	8.16	8.44	8.51	8.32	8.08	8.25	7.50	6.90	7.22
CHP	0.91	1.06	1.06	1.11	1.12	1.18	1.26	1.29	1.28	1.35	1.40	1.39	1.37	1.39	1.43
Non-CHP	5.90	5.95	6.17	6.42	6.58	6.61	6.90	7.15	7.23	6.97	6.68	6.87	6.13	5.51	5.79
Transportation	0.63	0.66	0.60	0.59	0.63	0.69	0.70	0.71	0.76	0.64	0.65	0.65	0.62	0.61	0.64
Electric Power	3.11	3.24	3.32	3.45	3.47	3.90	4.24	3.81	4.06	4.59	4.82	5.21	5.29	5.54	5.84
Total Demand	19.12	19.16	19.56	20.23	20.79	21.24	22.20	22.60	22.73	22.24	22.39	23.44	22.41	22.21	23.11

**Table DR3. November 2002 STEO: U.S. Natural Gas Supply and Demand (Trillion Cubic Feet)**

(Energy Information Administration/Short-Term Energy Outlook -- November 2002)

	Year														
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Supply</b>															
Total Dry Gas Production	17.31	17.81	17.70	17.84	18.10	18.82	18.60	18.85	18.90	19.02	18.83	18.99	19.45	19.20	19.70
Net Imports	1.27	1.45	1.64	1.92	2.21	2.46	2.69	2.78	2.84	2.99	3.42	3.54	3.65	3.46	3.47
Supplemental Gaseous Fuels	0.11	0.12	0.11	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.08	0.08	0.09
Total New Supply	18.69	19.38	19.45	19.88	20.42	21.39	21.40	21.75	21.84	22.12	22.35	22.61	23.17	22.74	23.27
<b>Working Gas in Storage</b>															
Opening	2.85	2.51	3.07	2.82	2.60	2.32	2.61	2.15	2.17	2.17	2.73	2.52	1.72	2.90	2.57
Closing	2.51	3.07	2.82	2.60	2.32	2.61	2.15	2.17	2.17	2.73	2.52	1.72	2.90	2.57	2.54
Net Withdrawals	0.34	-0.56	0.24	0.23	0.28	-0.28	0.45	-0.02	0.00	-0.56	0.21	0.80	-1.18	0.33	0.03
<b>Total Supply</b>	19.03	18.82	19.70	20.11	20.70	21.11	21.85	21.73	21.84	21.56	22.56	23.41	21.99	23.07	23.30
<b>Balancing Item</b>	-0.23	-0.11	-0.66	-0.56	-0.42	-0.40	-0.27	0.24	0.11	-0.29	-0.95	-0.88	-0.59	-1.43	-0.16
<b>Total Primary Supply</b>	18.80	18.72	19.03	19.54	20.28	20.71	21.58	21.96	21.95	21.27	21.61	22.54	21.40	21.64	23.14
<b>Demand</b>															
Lease and Plant Fuel	1.07	1.24	1.13	1.17	1.17	1.12	1.22	1.25	1.20	1.17	1.08	1.13	1.16	1.17	1.22
Pipeline Use	0.63	0.66	0.60	0.59	0.62	0.69	0.70	0.71	0.75	0.64	0.65	0.64	0.61	0.60	0.64
Residential	4.78	4.39	4.56	4.69	4.96	4.85	4.85	5.24	4.98	4.52	4.73	4.99	4.81	4.88	5.07
Commercial	2.72	2.62	2.73	2.80	2.86	2.90	3.03	3.16	3.21	3.00	3.04	3.22	3.12	3.14	3.21
Industrial (Incl. Nonutilities)	6.82	7.02	7.23	7.53	7.98	8.17	8.58	8.87	8.83	8.69	9.01	9.51	9.01	9.38	10.81
Electric Utilities	2.79	2.79	2.79	2.77	2.68	2.99	3.20	2.73	2.97	3.26	3.11	3.04	2.69	2.47	2.20
Total Demand	18.80	18.72	19.03	19.54	20.28	20.71	21.58	21.96	21.95	21.27	21.61	22.54	21.40	21.64	23.14

**Table DR4. December 2002 STEO: Annual U.S. Coal Supply and Demand (Million Short Tons)**

(Energy Information Administration/Short-Term Energy Outlook -- December 2002)

	Year														
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Supply</b>															
Production	980.7	1029.1	996.0	997.5	945.4	1033.5	1033.0	1063.9	1089.9	1117.5	1100.4	1073.6	1121.3	1099.0	1091.8
Appalachia	464.8	489.0	457.8	456.6	409.7	445.4	434.9	451.9	467.8	460.4	425.6	419.4	428.9	405.2	395.4
Interior	198.1	205.8	195.4	195.7	167.2	179.9	168.5	172.8	170.9	168.4	162.5	143.5	147.7	142.6	134.4
Western	317.9	334.3	342.8	345.3	368.5	408.3	429.6	439.1	451.3	488.8	512.3	510.7	544.7	546.8	562.0
<b>Primary Stock Levels</b>															
Opening	30.4	29.0	33.4	33.0	34.0	25.3	33.2	34.4	28.6	34.0	36.5	39.5	31.9	33.9	32.5
Closing	29.0	33.4	33.0	34.0	25.3	33.2	34.4	28.6	34.0	36.5	39.5	31.9	33.9	32.5	32.7
Net Withdrawals	1.4	-4.4	0.4	-1.0	8.7	-7.9	-1.2	5.8	-5.3	-2.6	-2.9	7.6	-2.0	1.4	-0.2
Imports	2.9	2.7	3.4	3.8	7.3	7.6	7.2	7.1	7.5	8.7	9.1	12.5	19.8	16.6	18.1
Exports	100.8	105.8	109.0	102.5	74.5	71.4	88.5	90.5	83.5	78.0	58.5	58.5	48.7	40.0	41.0
Total Net Domestic Supply	884.2	921.6	890.9	897.8	886.9	961.8	950.4	986.3	1008.5	1045.7	1048.1	1035.2	1090.4	1077.0	1068.8
<b>Secondary Stock Levels</b>															
Opening	158.4	146.1	168.2	167.7	163.7	120.5	136.1	134.6	123.0	106.4	129.4	144.0	108.1	136.5	136.0
Closing	146.1	168.2	167.7	163.7	120.5	136.1	134.6	123.0	106.4	129.4	144.0	108.1	136.5	136.0	136.0
Net Withdrawals	12.3	-22.1	0.5	4.0	43.2	-15.7	1.5	11.7	16.6	-23.0	-14.6	35.9	-28.4	0.5	S
Waste Coal Supplied to IPPs	0.0	0.0	0.0	6.0	6.4	7.9	8.5	8.8	8.1	9.0	9.6	10.1	10.6	11.1	11.6
<b>Total Supply</b>	896.5	899.4	891.4	907.8	936.5	954.0	960.4	1006.7	1033.2	1031.6	1043.1	1081.2	1072.7	1088.6	1080.3
<b>Demand</b>															
Coke Plants	40.5	38.9	33.9	32.4	31.3	31.7	33.0	31.7	30.2	28.2	28.1	28.9	26.1	24.3	24.7
Electric Power Sector	772.2	782.6	783.9	795.1	831.6	838.4	850.2	896.9	921.4	936.6	940.9	985.8	965.1	978.5	990.7
Retail and General Industry	82.3	83.1	81.5	80.2	81.1	81.2	78.9	77.7	78.0	72.3	69.6	69.3	67.5	65.6	65.0
Residential and Commercial	6.2	6.7	6.1	6.2	6.2	6.0	5.8	6.0	6.5	4.9	4.9	4.1	4.1	4.3	4.0
Industrial	76.1	76.3	75.4	74.0	74.9	75.2	73.1	71.7	71.5	67.4	64.7	65.2	63.4	61.3	61.0
CHP	24.9	27.8	27.0	28.2	28.9	29.7	29.4	29.4	29.9	28.6	27.8	28.0	26.4	26.3	27.1
Non-CHP	51.3	48.5	48.4	45.8	46.0	45.5	43.7	42.3	41.7	38.9	37.0	37.2	36.9	35.0	33.8
Total Demand	895.0	904.5	899.2	907.7	944.1	951.3	962.1	1006.3	1029.5	1037.1	1038.6	1084.1	1058.6	1068.4	1080.4
<b>Discrepancy</b>	1.5	-5.1	-7.9	0.2	-7.6	2.7	-1.7	0.4	3.7	-5.5	4.4	-2.8	14.0	20.2	0.0

**Table DR5. November 2002 STEO: Annual U.S. Coal Supply and Demand (Million Short Tons)**

(Energy Information Administration/Short-Term Energy Outlook -- November 2002)

	Year														
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Supply</b>															
Production	980.7	1029.1	996.0	997.5	945.4	1033.5	1033.0	1063.9	1089.9	1117.5	1100.4	1073.6	1121.3	1088.9	1076.7
Appalachia	464.8	489.0	457.8	456.6	409.7	445.4	434.9	451.9	467.8	460.4	425.6	419.4	428.9	401.6	394.5
Interior	198.1	205.8	195.4	195.7	167.2	179.9	168.5	172.8	170.9	168.4	162.5	143.5	147.7	140.1	128.3
Western	317.9	334.3	342.8	345.3	368.5	408.3	429.6	439.1	451.3	488.8	512.3	510.7	544.7	543.1	553.8
<b>Primary Stock Levels</b>															
Opening	30.4	29.0	33.4	33.0	34.0	25.3	33.2	34.4	28.6	34.0	36.5	39.5	31.9	33.9	32.5
Closing	29.0	33.4	33.0	34.0	25.3	33.2	34.4	28.6	34.0	36.5	39.5	31.9	33.9	32.5	32.7
Net Withdrawals	1.4	-4.4	0.4	-1.0	8.7	-7.9	-1.2	5.8	-5.3	-2.6	-2.9	7.6	-2.0	1.4	-0.2
Imports	2.9	2.7	3.4	3.8	7.3	7.6	7.2	7.1	7.5	8.7	9.1	12.5	19.8	16.5	14.2
Exports	100.8	105.8	109.0	102.5	74.5	71.4	88.5	90.5	83.5	78.0	58.5	58.5	48.7	40.5	39.6
Total Net Domestic Supply	884.2	921.6	890.9	897.8	886.9	961.8	950.4	986.3	1008.5	1045.7	1048.1	1035.2	1090.4	1066.2	1051.2
<b>Secondary Stock Levels</b>															
Opening	158.4	146.1	168.2	167.7	163.7	120.5	136.1	134.6	123.0	106.4	129.4	144.0	108.1	136.5	126.5
Closing	146.1	168.2	167.7	163.7	120.5	136.1	134.6	123.0	106.4	129.4	144.0	108.1	136.5	126.5	127.7
Net Withdrawals	12.3	-22.1	0.5	4.0	43.2	-15.7	1.5	11.7	16.6	-23.0	-14.6	35.9	-28.4	10.0	-1.2
Waste Coal Supplied to IPPs	0.0	0.0	0.0	6.0	6.4	7.9	8.5	8.8	8.1	9.0	9.6	10.1	10.6	11.1	11.6
<b>Total Supply</b>	896.5	899.4	891.4	907.8	936.5	954.0	960.4	1006.7	1033.2	1031.6	1043.1	1081.2	1072.7	1087.3	1061.5
<b>Demand</b>															
Coke Plants	40.5	38.9	33.9	32.4	31.3	31.7	33.0	31.7	30.2	28.2	28.1	28.9	26.1	24.3	24.8
Electricity Production															
Electric Utilities	766.9	773.5	772.3	779.9	813.5	817.3	829.0	874.7	900.4	910.9	894.1	859.3	806.3	783.3	774.6
Nonutilities (Excl. Cogen.)	5.7	7.4	11.4	15.0	17.5	19.9	21.2	22.2	21.6	26.9	52.7	123.3	150.6	192.7	197.1
Retail and General Industry	82.3	83.1	81.5	80.2	81.1	81.2	78.9	77.7	78.0	72.3	69.6	69.3	67.5	62.5	65.0
Total Demand	895.4	902.9	899.1	907.4	943.5	950.1	962.0	1006.3	1030.1	1038.3	1044.5	1080.9	1050.5	1062.8	1061.5
<b>Discrepancy</b>	1.1	-3.5	-7.7	0.5	-7.0	3.9	-1.6	0.4	3.1	-6.7	-1.5	0.4	22.2	24.5	0.0

**Table DR6. December 2002 STEO: Annual U.S. Electricity Supply and Demand (Bill. Kwh)**

(Energy Information Administration/Short-Term Energy Outlook -- December 2002)

	Year														
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Net Electricity Generation</b>															
<b>Electric Power Sector</b>															
Coal	1562.4	1572.1	1568.8	1597.7	1665.5	1666.3	1686.1	1772.0	1820.8	1850.2	1858.6	1943.1	1881.7	1918.9	1915.9
Petroleum	159.0	118.9	112.8	92.2	105.4	98.7	68.1	74.8	86.5	122.2	111.5	105.2	121.2	84.1	102.6
Natural Gas	297.3	309.5	317.8	334.3	342.2	385.7	419.2	378.8	399.6	449.3	473.0	518.0	545.9	569.8	583.7
Nuclear	529.4	577.0	612.6	618.8	610.4	640.5	673.4	674.7	628.6	673.7	728.3	753.9	768.8	773.5	780.3
Hydroelectric	268.5	284.9	280.2	245.8	273.5	250.6	302.7	338.1	346.6	313.4	308.6	265.8	205.0	266.3	293.1
Geothermal and Other	31.6	39.0	43.3	45.5	46.9	47.0	44.8	45.8	47.3	48.6	50.0	51.6	50.0	50.7	55.7
Subtotal	2848.2	2901.3	2935.6	2934.4	3043.9	3088.7	3194.2	3284.1	3329.4	3457.4	3530.0	3637.5	3572.6	3663.3	3731.3
Other Sectors	110.9	136.0	138.3	148.3	152.5	159.8	159.0	160.0	160.8	166.2	164.8	164.6	160.9	191.9	210.3
Total	2959.1	3037.3	3073.8	3082.6	3196.4	3248.5	3353.3	3444.2	3490.2	3623.7	3694.8	3802.1	3733.5	3855.1	3941.6
Net Imports	11.0	2.3	19.6	25.4	27.8	44.8	39.2	38.0	36.6	27.6	30.6	34.0	20.3	25.3	31.4
Total Supply	2970.1	3039.7	3093.5	3108.1	3224.2	3293.3	3392.5	3482.2	3526.8	3651.3	3725.4	3836.2	3753.8	3880.4	3973.0
Losses and Unaccounted for	215.3	212.1	213.4	222.7	234.7	224.7	235.2	235.0	233.1	225.9	230.2	231.7	152.0	177.3	229.3
<b>Demand</b>															
<b>Retail Sales</b>															
Residential	905.5	924.0	955.4	935.9	994.8	1008.5	1042.5	1082.5	1075.9	1130.1	1144.9	1192.4	1201.0	1270.8	1272.7
Commercial	725.9	751.0	765.7	761.3	794.6	820.3	862.7	887.4	928.6	979.4	1002.0	1055.2	1085.0	1119.5	1125.6
Industrial	925.7	945.5	946.6	972.7	977.2	1008.0	1012.7	1033.6	1038.2	1051.2	1058.2	1064.2	994.1	965.6	978.4
Other	89.8	92.0	94.3	93.4	94.9	97.8	95.4	97.5	102.9	103.5	107.0	109.5	116.7	110.8	114.3
Subtotal	2646.8	2712.6	2762.0	2763.4	2861.5	2934.6	3013.3	3101.1	3145.6	3264.2	3312.1	3421.4	3396.8	3466.7	3490.9
Other Use/Sales	108.0	115.0	118.0	122.0	128.0	134.0	144.1	146.0	148.1	161.1	183.1	183.0	205.1	236.4	252.8
Total Demand	2754.8	2827.6	2880.1	2885.4	2989.5	3068.6	3157.3	3247.2	3293.7	3425.3	3495.2	3604.4	3601.8	3703.1	3743.7

**Table DR7. November 2002 STEO: Annual U.S. Electricity Supply and Demand (Billion Kilowatt-hours)**

(Energy Information Administration/Short-Term Energy Outlook -- November 2002)

	Year														
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Supply</b>															
Total Utility and Nonutility Net Generation															
Coal	1583.8	1590.3	1589.9	1621.1	1690.0	1691.7	1710.2	1795.7	1844.1	1873.9	1884.3	1967.7	1912.6	1903.0	1899.3
Petroleum	164.0	124.0	119.0	99.4	112.3	105.5	75.3	81.7	93.0	126.9	123.6	108.8	128.0	88.9	85.1
Natural Gas	357.1	378.3	392.6	418.3	428.4	465.9	498.5	455.8	485.4	540.6	556.6	596.6	631.0	695.6	710.2
Nuclear	529.4	577.0	612.6	618.8	610.4	640.5	673.4	674.7	628.6	673.7	731.2	753.9	768.8	772.1	779.2
Hydroelectric	270.6	289.5	285.0	248.9	276.4	256.8	308.3	344.4	354.9	318.9	313.4	273.1	208.1	268.2	295.9
Geothermal and Other	57.6	65.7	72.2	76.8	79.4	93.4	92.2	94.7	88.1	83.8	95.5	99.8	109.2	125.6	133.0
Total Generation	2971.9	3024.9	3071.3	3083.4	3196.9	3253.8	3357.8	3447.0	3494.2	3617.9	3704.5	3799.9	3757.8	3853.5	3902.7
Net Imports	11.0	2.3	19.6	25.4	27.8	44.8	39.2	38.0	36.6	27.6	30.6	34.0	20.3	25.3	31.4
Total Supply	2982.8	3027.2	3091.0	3108.8	3224.7	3298.6	3397.1	3485.0	3530.8	3645.5	3735.1	3834.0	3778.1	3878.8	3934.2
Losses and Unaccounted for	228.0	199.6	210.9	223.4	235.3	230.0	239.7	237.8	237.1	220.2	240.0	229.6	176.3	197.6	207.2
<b>Demand</b>															
Retail Sales															
Residential	905.5	924.0	955.4	935.9	994.8	1008.5	1042.5	1082.5	1075.9	1130.1	1144.9	1192.4	1201.0	1276.3	1272.7
Commercial	725.9	751.0	765.7	761.3	794.6	820.3	862.7	887.4	928.6	979.4	1002.0	1055.2	1085.0	1122.1	1110.4
Industrial	925.7	945.5	946.6	972.7	977.2	1008.0	1012.7	1033.6	1038.2	1051.2	1058.2	1064.2	994.1	946.1	990.5
Other	89.8	92.0	94.3	93.4	94.9	97.8	95.4	97.5	102.9	103.5	107.0	109.5	116.7	111.0	113.7
Subtotal	2646.8	2712.6	2762.0	2763.4	2861.5	2934.6	3013.3	3101.1	3145.6	3264.2	3312.1	3421.4	3396.8	3455.5	3487.2
Nonutility Use/Sales	108.0	115.0	118.0	122.0	128.0	134.0	144.1	146.0	148.1	161.1	183.1	183.0	205.1	225.7	239.8
Total Demand	2754.8	2827.6	2880.1	2885.4	2989.5	3068.6	3157.3	3247.2	3293.7	3425.3	3495.2	3604.4	3601.8	3681.2	3727.0
<b>Memos:</b>															
Nonutility Sales															
to Electric Utilities	79.6	101.7	128.3	164.1	186.4	209.1	219.3	223.5	223.6	244.6	347.8	601.5	922.8	1048.9	1132.3
Electric Utility Generation	2784.3	2808.2	2825.0	2797.2	2882.5	2910.7	2994.5	3077.4	3122.5	3212.2	3173.7	3015.4	2630.0	2578.9	2530.7
Nonutility Generation	187.6	216.7	246.3	286.1	314.4	343.1	363.3	369.6	371.7	405.7	530.9	784.6	1127.9	1274.6	1372.0







