

Table 1. Total energy supply and disposition in the AEO2004 reference case: summary, 2001-2025

Energy and economic factors	2001	2002	2010	2015	2020	2025	Average annual change, 2002-2025
Primary energy production (quadrillion Btu)							
Petroleum	14.70	14.47	15.66	14.91	13.95	13.24	-0.4%
Dry natural gas	20.23	19.56	21.05	22.20	24.43	24.64	1.0%
Coal	23.97	22.70	25.25	26.14	27.92	31.10	1.4%
Nuclear power	8.03	8.15	8.29	8.48	8.53	8.53	0.2%
Renewable energy	5.25	5.84	7.18	7.84	8.45	9.00	1.9%
Other	0.53	1.13	0.88	0.79	0.81	0.84	-1.3%
Total	72.72	71.85	78.30	80.36	84.09	87.33	0.9%
Net imports (quadrillion Btu)							
Petroleum	23.29	22.56	28.13	33.20	37.25	41.69	2.7%
Natural gas	3.69	3.58	5.63	6.39	6.63	7.41	3.2%
Coal/other (- indicates export)	-0.67	-0.51	0.06	0.26	0.43	0.61	NA
Total	26.31	25.63	33.82	39.84	44.31	49.71	2.9%
Consumption (quadrillion Btu)							
Petroleum products	38.49	38.11	44.15	48.26	51.35	54.99	1.6%
Natural gas	23.05	23.37	26.82	28.74	31.21	32.21	1.4%
Coal	22.04	22.18	25.23	26.32	28.30	31.73	1.6%
Nuclear power	8.03	8.15	8.29	8.48	8.53	8.53	0.2%
Renewable energy	5.25	5.84	7.18	7.84	8.46	9.00	1.9%
Other	0.08	0.07	0.11	0.11	0.07	0.03	-4.6%
Total	96.94	97.72	111.77	119.75	127.92	136.48	1.5%
Petroleum (million barrels per day)							
Domestic crude production	5.74	5.62	5.93	5.53	4.95	4.61	-0.9%
Other domestic production	3.11	3.60	3.59	3.72	3.94	3.98	0.4%
Net imports	10.90	10.54	13.17	15.52	17.48	19.67	2.7%
Consumption	19.71	19.61	22.71	24.80	26.41	28.30	1.6%
Natural gas (trillion cubic feet)							
Production	19.79	19.13	20.59	21.72	23.89	24.08	1.0%
Net imports	3.60	3.49	5.50	6.24	6.47	7.24	3.2%
Consumption	22.48	22.78	26.15	28.03	30.44	31.41	1.4%
Coal (million short tons)							
Production	1,138	1,105	1,230	1,285	1,377	1,543	1.5%
Net imports	-29	-23	-2	6	14	23	NA
Consumption	1,060	1,066	1,229	1,291	1,391	1,567	1.7%
Prices (2002 dollars)							
World oil price (dollars per barrel)	22.25	23.68	24.17	25.07	26.02	27.00	0.6%
Domestic natural gas at wellhead (dollars per thousand cubic feet)	4.14	2.95	3.40	4.19	4.28	4.40	1.8%
Domestic coal at minemouth (dollars per short ton)	17.79	17.90	16.88	16.47	16.32	16.57	-0.3%
Average electricity price (cents per kilowatthour)	7.4	7.2	6.6	6.8	6.9	6.9	-0.2%
Economic indicators							
Real gross domestic product (billion 1996 dollars)	9,215	9,440	12,190	14,101	16,188	18,520	3.0%
GDP chain-type price index (index, 1996=1.000)	1.094	1.107	1.301	1.503	1.774	2.121	2.9%
Real disposable personal income (billion 1996 dollars)	6,748	7,032	8,894	10,330	11,864	13,826	3.0%
Value of industrial shipments (billion 1996 dollars)	5,368	5,285	6,439	7,345	8,344	9,491	2.6%
Energy intensity (thousand Btu per 1996 dollar of GDP)	10.53	10.36	9.17	8.50	7.91	7.37	-1.5%
Carbon dioxide emissions (million metric tons)	5,691.7	5,729.3	6,558.8	7,028.4	7,535.6	8,142.0	1.5%

Notes: Quantities are derived from historical volumes and assumed thermal conversion factors. Other production includes liquid hydrogen, methanol, supplemental natural gas, and some inputs to refineries. Net imports of petroleum include crude oil, petroleum products, unfinished oils, alcohols, ethers, and blending components. Other net imports include coal coke and electricity. Some refinery inputs appear as petroleum product consumption. Other consumption includes net electricity imports, liquid hydrogen, and methanol.

Sources: Tables A1, A19, and A20.