

Table 1. Total Energy Supply and Disposition Summary (Quadrillion Btu per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
<b>Production</b>																										
Crude Oil & Lease Condensate	13.71	13.57	13.54	13.42	13.27	13.10	12.97	12.88	12.79	12.70	12.60	12.49	12.36	12.19	12.00	11.81	11.61	11.43	11.23	11.00	10.78	10.58	10.38	10.19	10.02	-1.3%
Natural Gas Plant Liquids	2.46	2.50	2.37	2.35	2.31	2.31	2.37	2.39	2.45	2.62	2.84	2.99	3.05	3.07	3.11	3.16	3.22	3.28	3.32	3.35	3.39	3.38	3.39	3.55	3.37	1.3%
Dry Natural Gas	19.55	18.88	19.22	20.51	20.18	20.20	20.63	20.88	21.31	22.72	24.52	25.72	26.07	26.17	26.50	26.88	27.36	27.85	28.18	28.40	28.71	28.62	28.68	28.69	28.52	1.6%
Coal	22.64	23.14	23.94	24.18	24.17	24.18	24.25	24.22	24.14	18.65	14.63	10.98	8.63	7.48	7.21	6.67	6.13	5.61	5.12	4.76	4.30	4.05	3.80	3.66	3.51	-7.5%
Nuclear Power	7.20	6.88	7.00	7.25	7.30	7.35	7.41	7.46	7.46	7.45	7.50	7.49	7.42	7.41	7.41	7.39	7.37	7.33	7.34	7.35	7.36	7.36	7.36	7.35	7.41	0.1%
Renewable Energy 1/	6.83	6.92	6.62	6.70	6.78	6.84	6.99	7.08	7.15	7.44	7.56	7.80	8.05	8.17	8.41	8.83	9.22	9.59	10.05	10.46	10.92	11.46	11.94	12.40	12.89	2.7%
Other 2/	1.33	0.99	1.14	0.51	0.53	0.54	0.54	0.55	0.57	0.51	0.54	0.60	0.81	0.78	0.75	0.77	0.80	0.84	0.91	0.93	0.90	0.85	0.86	0.87	0.87	-1.8%
<b>Total</b>	<b>73.73</b>	<b>72.88</b>	<b>73.83</b>	<b>74.90</b>	<b>74.53</b>	<b>74.52</b>	<b>75.16</b>	<b>75.47</b>	<b>75.88</b>	<b>72.10</b>	<b>70.18</b>	<b>68.07</b>	<b>66.41</b>	<b>65.27</b>	<b>65.39</b>	<b>65.51</b>	<b>65.71</b>	<b>65.93</b>	<b>66.14</b>	<b>66.24</b>	<b>66.35</b>	<b>66.29</b>	<b>66.41</b>	<b>66.71</b>	<b>66.59</b>	<b>-0.4%</b>
<b>Imports</b>																										
Crude Oil 3/	16.30	17.17	17.46	19.31	19.50	20.34	20.64	20.83	21.15	21.13	21.10	20.63	19.94	19.45	20.31	21.38	21.87	22.03	22.10	22.55	23.02	23.04	23.54	23.52	24.13	1.6%
Petroleum Products 4/	3.98	4.21	4.41	4.20	4.76	4.86	5.04	5.34	5.64	5.08	4.46	3.60	3.18	3.54	3.54	3.21	3.36	3.52	3.92	4.09	4.23	4.86	4.90	5.11	4.96	0.9%
Natural Gas	2.93	3.25	3.44	3.91	4.12	4.60	4.67	4.76	4.90	5.32	5.61	5.79	5.87	5.91	5.94	5.99	6.07	6.13	6.19	6.26	6.31	6.33	6.34	6.35	6.37	3.3%
Other Imports 5/	0.57	0.63	0.60	0.54	1.11	1.09	1.10	1.05	1.04	0.47	0.37	0.36	0.34	0.35	0.34	0.36	0.37	0.37	0.37	0.37	0.38	0.39	0.40	0.41	0.41	-1.3%
<b>Total</b>	<b>23.78</b>	<b>25.26</b>	<b>25.91</b>	<b>27.97</b>	<b>29.49</b>	<b>30.89</b>	<b>31.45</b>	<b>31.98</b>	<b>32.73</b>	<b>32.00</b>	<b>31.54</b>	<b>30.38</b>	<b>29.32</b>	<b>29.25</b>	<b>30.13</b>	<b>30.95</b>	<b>31.66</b>	<b>32.05</b>	<b>32.58</b>	<b>33.28</b>	<b>33.94</b>	<b>34.62</b>	<b>35.18</b>	<b>35.39</b>	<b>35.87</b>	<b>1.7%</b>
<b>Exports</b>																										
Petroleum 6/	2.04	1.98	1.94	1.97	2.00	2.07	2.03	2.03	2.09	1.90	1.91	1.60	1.64	1.64	1.68	1.57	1.72	1.60	1.60	1.65	1.72	1.65	1.74	1.56	1.52	-1.2%
Natural Gas	0.16	0.15	0.16	0.16	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-0.6%
Coal	2.37	2.24	2.24	2.24	2.25	2.25	2.26	2.21	2.16	2.11	2.06	2.04	2.02	1.98	1.95	1.91	1.90	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	-0.9%
<b>Total</b>	<b>4.57</b>	<b>4.37</b>	<b>4.34</b>	<b>4.37</b>	<b>4.40</b>	<b>4.46</b>	<b>4.43</b>	<b>4.37</b>	<b>4.39</b>	<b>4.14</b>	<b>4.11</b>	<b>3.78</b>	<b>3.80</b>	<b>3.76</b>	<b>3.77</b>	<b>3.62</b>	<b>3.76</b>	<b>3.64</b>	<b>3.64</b>	<b>3.69</b>	<b>3.77</b>	<b>3.70</b>	<b>3.79</b>	<b>3.61</b>	<b>3.58</b>	<b>-1.0%</b>
Discrepancy 7/	0.82	0.35	0.94	-0.08	-0.06	-0.06	-0.12	-0.07	-0.08	0.26	-0.16	-0.21	0.01	0.05	-0.08	0.01	-0.03	-0.02	0.03	0.02	-0.05	-0.07	-0.09	-0.22	-0.12	N/A
<b>Consumption</b>																										
Petroleum Products 8/	36.01	36.76	36.95	37.85	38.40	39.08	39.50	39.94	40.44	39.97	39.48	38.53	37.71	37.43	38.06	38.72	39.10	39.50	39.94	40.33	40.54	41.00	41.23	41.45	41.67	0.6%
Natural Gas	22.43	22.03	23.24	24.14	24.04	24.55	25.05	25.39	25.96	27.74	29.86	31.24	31.66	31.77	32.09	32.53	33.09	33.64	34.02	34.31	34.68	34.60	34.68	34.70	34.54	1.8%
Coal	20.90	21.17	22.17	22.20	22.21	22.22	22.25	22.30	22.28	17.29	12.80	9.14	6.85	5.78	5.44	5.12	4.55	4.02	3.54	3.16	2.74	2.47	2.24	2.10	1.98	-9.4%
Nuclear Power	7.20	6.88	7.00	7.25	7.30	7.35	7.41	7.46	7.46	7.45	7.50	7.49	7.42	7.41	7.41	7.39	7.37	7.33	7.34	7.35	7.36	7.36	7.36	7.35	7.41	0.1%
Renewable Energy 1/	6.84	6.93	6.63	6.70	6.78	6.85	7.00	7.09	7.17	7.45	7.58	7.82	8.07	8.19	8.44	8.86	9.24	9.61	10.08	10.48	10.95	11.49	11.97	12.43	12.92	2.7%
Other 9/	0.39	0.36	0.34	0.27	0.83	0.83	0.85	0.82	0.84	0.30	0.23	0.23	0.22	0.24	0.23	0.23	0.22	0.21	0.21	0.21	0.22	0.22	0.23	0.24	0.24	-2.0%
<b>Total</b>	<b>93.77</b>	<b>94.12</b>	<b>96.33</b>	<b>98.42</b>	<b>99.56</b>	<b>100.88</b>	<b>102.07</b>	<b>103.00</b>	<b>104.15</b>	<b>100.22</b>	<b>97.45</b>	<b>94.46</b>	<b>91.93</b>	<b>90.81</b>	<b>91.67</b>	<b>92.85</b>	<b>93.57</b>	<b>94.32</b>	<b>95.11</b>	<b>95.85</b>	<b>96.48</b>	<b>97.14</b>	<b>97.71</b>	<b>98.27</b>	<b>98.76</b>	<b>0.2%</b>
Net Imports - Petroleum	18.25	19.41	19.92	21.54	22.26	23.13	23.66	24.14	24.70	24.32	23.65	22.63	21.48	21.36	22.17	23.02	23.50	23.95	24.43	25.00	25.53	26.25	26.70	27.07	27.57	1.7%
<b>Prices (1996 dollars per unit)</b>																										
World Oil Price (\$ per bbl) 10/	20.48	18.16	17.98	18.50	19.04	19.32	19.45	19.73	19.92	19.89	19.56	19.14	18.61	18.05	17.54	17.64	17.68	17.79	17.85	17.89	17.92	18.07	18.14	18.27	18.38	-0.5%
Gas Wellhead Price(\$/Mcf) 11/	2.24	2.25	2.10	2.13	2.12	2.11	2.12	2.13	2.15	2.24	2.43	2.62	2.77	2.90	3.03	3.17	3.27	3.36	3.43	3.47	3.50	3.51	3.53	3.53	3.53	1.9%
Coal Minemouth Price (\$ / ton)	18.50	18.17	17.61	17.21	16.92	16.47	16.23	16.02	15.81	16.36	17.11	17.88	18.49	18.55	18.29	18.27	18.35	18.46	18.75	19.09	19.47	19.79	20.09	20.40	20.50	0.4%
Aver. Electricity (cents / Kwh)	6.8	6.7	6.5	6.4	6.3	6.2	6.2	6.1	6.0	7.9	9.2	10.5	11.4	11.3	11.0	10.7	10.5	10.3	10.1	9.8	9.7	9.6	9.5	9.4	9.3	1.3%

Table 1. Total Energy Supply and Disposition Summary Notes

1/ Includes grid-connected electricity from conventional hydroelectric; wood and wood waste; landfill gas; municipal solid waste; other biomass; wind; photovoltaic and solar thermal sources; non-electric energy from renewable sources, such as active and passive solar systems, and wood; and both the ethanol and gasoline components of E85, but not the ethanol components of blends less than 85 percent. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table 18 for selected nonmarketed residential and commercial renewable energy.

2/ Includes liquid hydrogen, methanol, supplemental natural gas, and some domestic inputs to refineries.

3/ Includes imports of crude oil for the Strategic Petroleum Reserve.

4/ Includes imports of finished petroleum products, imports of unfinished oils, alcohols, ethers, and blending components.

5/ Includes coal, coal coke (net), and electricity (net)

6/ Includes crude oil and petroleum products.

7/ Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.

8/ Includes natural gas plant liquids, crude oil consumed as a fuel, and nonpetroleum based liquids for blending, such as ethanol.

9/ Includes net electricity imports, methanol, and liquid hydrogen.

10/ Average refiner acquisition cost for imported crude oil.

11/ Represents lower 48 onshore and offshore supplies.

Btu = British thermal unit.

Mcf = Thousand cubic feet.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors.

Sources: 1996 natural gas values: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(97/06) (Washington, DC). 1996 coal minemouth price: EIA, Coal Industry Annual 1996 DOE/EIA-0584(96) (Washington, DC, November 1997). Coal production and exports derived from: EIA, Monthly Energy Review, DOE/EIA-0035(97/08) (Washington, DC, August 1997). Other 1996 values: EIA, Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, DC, July 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Energy Consumption																										
Residential																										
Distillate Fuel	0.89	0.88	0.88	0.85	0.84	0.83	0.81	0.80	0.79	0.73	0.69	0.65	0.61	0.60	0.59	0.58	0.57	0.56	0.56	0.55	0.54	0.54	0.53	0.53	0.53	-2.2%
Kerosene	0.08	0.09	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	-1.7%
Liquefied Petroleum Gas	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.41	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.0%
Petroleum Subtotal	1.40	1.39	1.38	1.36	1.34	1.33	1.32	1.30	1.29	1.22	1.17	1.12	1.08	1.06	1.05	1.04	1.04	1.03	1.03	1.03	1.02	1.02	1.01	1.01	1.01	-1.4%
Natural Gas	5.39	5.06	5.26	5.36	5.40	5.40	5.44	5.46	5.52	5.16	4.94	4.72	4.58	4.52	4.51	4.51	4.52	4.53	4.57	4.59	4.61	4.62	4.63	4.65	4.68	-0.6%
Coal	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-1.9%
Renewable Energy 1/ Electricity	0.61	0.60	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.4%
Delivered Energy	11.13	10.72	11.11	11.23	11.39	11.49	11.58	11.64	11.76	11.10	10.74	10.38	10.16	10.09	10.15	10.21	10.31	10.37	10.49	10.59	10.70	10.76	10.84	10.92	11.04	-0.0%
Electricity Related Losses	8.21	7.88	8.30	8.42	8.64	8.80	8.86	8.91	8.97	8.15	7.67	7.28	6.97	6.78	6.72	6.70	6.67	6.64	6.68	6.74	6.82	6.91	7.00	7.11	7.25	-0.5%
Total	19.34	18.59	19.42	19.65	20.03	20.29	20.43	20.55	20.73	19.25	18.40	17.66	17.13	16.86	16.86	16.91	16.98	17.02	17.17	17.33	17.51	17.67	17.84	18.03	18.29	-0.2%
Commercial																										
Distillate Fuel	0.44	0.44	0.41	0.41	0.41	0.40	0.40	0.40	0.39	0.35	0.32	0.29	0.26	0.26	0.26	0.27	0.26	0.26	0.27	0.27	0.27	0.27	0.26	0.26	0.26	-2.1%
Residual Fuel	0.15	0.15	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	-1.1%
Kerosene	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.4%
Liquefied Petroleum Gas	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.6%
Motor Gasoline 2/ Petroleum Subtotal	0.71	0.72	0.65	0.65	0.65	0.65	0.65	0.64	0.64	0.60	0.57	0.53	0.51	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	-1.4%
Natural Gas	3.30	3.27	3.41	3.45	3.48	3.50	3.54	3.56	3.60	3.34	3.11	2.85	2.65	2.61	2.65	2.67	2.67	2.69	2.73	2.77	2.78	2.80	2.81	2.82	2.84	-0.6%
Coal	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-1.0%
Renewable Energy 3/ Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1%
Delivered Energy	7.47	7.49	7.65	7.78	7.86	7.93	8.02	8.10	8.19	7.66	7.25	6.78	6.43	6.40	6.52	6.61	6.67	6.75	6.86	6.96	7.01	7.07	7.11	7.14	7.18	-0.2%
Electricity Related Losses	7.52	7.44	7.66	7.84	7.90	7.93	7.99	8.04	8.07	7.27	6.72	6.22	5.82	5.66	5.64	5.63	5.61	5.60	5.64	5.67	5.68	5.74	5.78	5.82	5.88	-1.0%
Total	14.98	14.93	15.31	15.61	15.76	15.86	16.01	16.14	16.26	14.93	13.97	13.00	12.25	12.07	12.16	12.24	12.29	12.35	12.50	12.63	12.69	12.81	12.88	12.96	13.06	-0.6%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Industrial 4/																										
Distillate Fuel	1.17	1.18	1.17	1.19	1.20	1.23	1.26	1.28	1.31	1.33	1.34	1.37	1.39	1.40	1.44	1.48	1.51	1.53	1.55	1.55	1.56	1.57	1.58	1.58	1.58	1.3%
Liquefied Petroleum Gas	2.12	2.14	2.13	2.12	2.15	2.19	2.21	2.23	2.25	2.24	2.26	2.27	2.30	2.31	2.37	2.44	2.47	2.48	2.48	2.49	2.50	2.50	2.50	2.50	2.47	0.6%
Petrochemical Feedstocks	1.28	1.29	1.28	1.29	1.31	1.33	1.35	1.36	1.37	1.35	1.35	1.34	1.34	1.33	1.35	1.38	1.40	1.41	1.41	1.41	1.42	1.42	1.42	1.41	1.41	0.4%
Residual Fuel	0.34	0.35	0.34	0.33	0.35	0.35	0.34	0.34	0.35	0.34	0.33	0.31	0.31	0.31	0.41	0.42	0.43	0.44	0.44	0.44	0.45	0.45	0.44	0.44	0.44	1.0%
Motor Gasoline 2/	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.2%
Other Petroleum 5/	4.12	4.17	4.17	4.32	4.38	4.45	4.44	4.46	4.48	4.35	4.39	4.20	4.08	4.09	4.22	4.42	4.48	4.56	4.60	4.70	4.63	4.78	4.78	4.81	4.82	0.7%
Petroleum Subtotal	9.23	9.31	9.29	9.45	9.60	9.75	9.80	9.88	9.98	9.83	9.88	9.71	9.64	9.66	10.01	10.38	10.52	10.66	10.73	10.84	10.80	10.96	10.96	11.00	10.97	0.7%
Natural Gas 6/	9.96	10.21	10.51	10.80	10.70	10.74	10.81	10.80	10.83	11.14	11.24	11.37	11.30	11.18	11.12	11.16	11.27	11.38	11.41	11.37	11.52	11.38	11.39	11.39	11.37	0.6%
Metallurgical Coal	0.85	0.86	0.86	0.85	0.83	0.82	0.80	0.78	0.77	0.74	0.71	0.68	0.65	0.62	0.59	0.57	0.54	0.52	0.50	0.47	0.45	0.43	0.41	0.40	0.38	-3.3%
Steam Coal	1.55	1.51	1.54	1.55	1.56	1.59	1.62	1.65	1.67	1.15	0.97	0.86	0.81	0.80	0.83	0.85	0.86	0.87	0.88	0.89	0.90	0.90	0.90	0.90	0.90	-2.2%
Net Coal Coke Imports	0.00	0.10	0.10	0.11	0.11	0.12	0.14	0.14	0.15	0.14	0.15	0.15	0.17	0.19	0.22	0.24	0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	N/A
Coal Subtotal	2.40	2.46	2.50	2.51	2.50	2.53	2.56	2.58	2.59	2.04	1.83	1.69	1.63	1.61	1.64	1.66	1.66	1.67	1.67	1.67	1.66	1.66	1.65	1.63	1.62	-1.6%
Renewable Energy 7/	1.82	1.89	1.90	1.93	1.96	1.99	2.02	2.05	2.08	2.09	2.09	2.10	2.11	2.12	2.17	2.24	2.28	2.31	2.34	2.36	2.37	2.39	2.40	2.40	2.40	1.2%
Electricity	3.46	3.54	3.58	3.67	3.71	3.78	3.85	3.91	3.98	3.85	3.76	3.67	3.62	3.59	3.67	3.78	3.84	3.90	3.91	3.93	3.95	3.97	3.98	3.99	3.98	0.6%
Delivered Energy	26.87	27.40	27.78	28.35	28.47	28.79	29.05	29.20	29.45	28.95	28.80	28.54	28.31	28.16	28.61	29.21	29.57	29.92	30.06	30.17	30.30	30.36	30.37	30.42	30.34	0.5%
Electricity Related Losses	7.72	7.71	7.82	8.00	8.03	8.12	8.21	8.27	8.32	7.71	7.25	6.87	6.58	6.32	6.28	6.34	6.29	6.26	6.21	6.18	6.15	6.18	6.18	6.20	6.20	-0.9%
Total	34.59	35.11	35.59	36.35	36.50	36.91	37.26	37.47	37.77	36.66	36.04	35.42	34.88	34.48	34.88	35.55	35.86	36.18	36.27	36.35	36.45	36.54	36.56	36.61	36.55	0.2%
Transportation																										
Distillate Fuel 8/	4.48	4.82	4.95	5.05	5.15	5.26	5.37	5.45	5.54	5.49	5.46	5.42	5.41	5.39	5.49	5.60	5.67	5.73	5.76	5.77	5.78	5.79	5.80	5.79	5.77	1.1%
Jet Fuel 9/	3.27	3.33	3.37	3.72	3.81	3.90	4.00	4.10	4.23	4.25	4.18	4.04	3.95	4.00	4.18	4.35	4.49	4.60	4.75	4.87	4.98	5.08	5.19	5.27	5.35	2.1%
Motor Gasoline 2/	14.94	15.18	15.47	15.73	15.96	16.21	16.43	16.63	16.82	16.69	16.33	15.76	15.09	14.73	14.71	14.71	14.71	14.76	14.89	15.02	15.13	15.25	15.39	15.48	15.59	0.2%
Residual Fuel	0.90	0.86	0.88	0.91	0.94	0.97	1.00	1.03	1.06	1.09	1.12	1.15	1.18	1.21	1.25	1.29	1.33	1.36	1.39	1.43	1.46	1.49	1.52	1.54	1.57	2.4%
Liquefied Petroleum Gas	0.04	0.04	0.04	0.05	0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	8.1%
Other Petroleum 10/	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.36	0.36	0.37	0.37	0.37	1.1%
Petroleum Subtotal	23.92	24.51	25.00	25.75	26.21	26.72	27.20	27.62	28.09	27.98	27.55	26.83	26.10	25.80	26.11	26.46	26.71	26.98	27.34	27.66	27.92	28.19	28.48	28.68	28.88	0.8%
Pipeline Fuel Natural Gas	0.73	0.76	0.77	0.80	0.76	0.76	0.77	0.77	0.78	0.83	0.87	0.91	0.92	0.92	0.95	0.97	0.99	1.02	1.03	1.05	1.06	1.06	1.06	1.07	1.05	1.5%
Compressed Natural Gas	0.01	0.02	0.02	0.04	0.06	0.08	0.11	0.13	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.22	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29	14.0%
Renewables (E85) 11/	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	15.3%
Methanol 12/	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.08	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	15.7%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.0%
Electricity	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	2.9%
Delivered Energy	24.73	25.36	25.88	26.67	27.13	27.68	28.22	28.70	29.23	29.22	28.88	28.22	27.51	27.24	27.60	27.99	28.29	28.62	29.01	29.37	29.66	29.95	30.26	30.49	30.69	0.9%
Electricity Related Losses	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	1.4%
Total	24.86	25.49	26.01	26.81	27.26	27.82	28.36	28.85	29.39	29.39	29.04	28.38	27.67	27.40	27.76	28.15	28.45	28.78	29.18	29.53	29.83	30.12	30.43	30.66	30.87	0.9%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Deliver. Energy Cons. All Sectors																										
Distillate Fuel	6.98	7.32	7.42	7.50	7.60	7.72	7.84	7.93	8.03	7.90	7.82	7.72	7.67	7.65	7.77	7.92	8.01	8.09	8.13	8.15	8.16	8.18	8.17	8.16	8.14	0.6%
Kerosene	0.14	0.15	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	-1.2%
Jet Fuel 9/	3.27	3.33	3.37	3.72	3.81	3.90	4.00	4.10	4.23	4.25	4.18	4.04	3.95	4.00	4.18	4.35	4.49	4.60	4.75	4.87	4.98	5.08	5.19	5.27	5.35	2.1%
Liquefied Petroleum Gas	2.66	2.67	2.67	2.68	2.72	2.76	2.80	2.84	2.88	2.88	2.90	2.91	2.95	2.96	3.03	3.11	3.15	3.17	3.18	3.19	3.21	3.22	3.23	3.24	3.21	0.8%
Motor Gasoline 2/	15.16	15.40	15.69	15.95	16.18	16.44	16.67	16.87	17.07	16.93	16.58	16.01	15.34	14.98	14.97	14.97	14.98	15.03	15.16	15.30	15.40	15.53	15.66	15.76	15.87	0.2%
Petrochemical Feedstocks	1.28	1.29	1.28	1.29	1.31	1.33	1.35	1.36	1.37	1.35	1.35	1.34	1.34	1.33	1.35	1.38	1.40	1.41	1.41	1.41	1.42	1.42	1.42	1.41	1.41	0.4%
Residual Fuel	1.39	1.36	1.34	1.35	1.40	1.43	1.45	1.49	1.53	1.55	1.57	1.58	1.60	1.63	1.78	1.83	1.87	1.91	1.95	1.98	2.01	2.05	2.07	2.10	2.13	1.8%
Other Petroleum 13/	4.37	4.43	4.44	4.59	4.66	4.72	4.72	4.75	4.77	4.65	4.68	4.49	4.37	4.37	4.50	4.71	4.78	4.87	4.92	5.02	4.97	5.12	5.12	5.15	5.16	0.7%
Petroleum Subtotal	35.26	35.93	36.32	37.20	37.80	38.44	38.97	39.44	40.01	39.63	39.18	38.20	37.32	37.02	37.68	38.39	38.78	39.18	39.61	40.04	40.26	40.68	40.96	41.19	41.37	0.7%
Natural Gas 6/	19.39	19.32	19.96	20.43	20.39	20.48	20.66	20.72	20.88	20.64	20.34	20.04	19.64	19.43	19.43	19.51	19.67	19.85	19.98	20.03	20.23	20.13	20.17	20.20	20.23	0.2%
Metallurgical Coal	0.85	0.86	0.86	0.85	0.83	0.82	0.80	0.78	0.77	0.74	0.71	0.68	0.65	0.62	0.59	0.57	0.54	0.52	0.50	0.47	0.45	0.43	0.41	0.40	0.38	-3.3%
Steam Coal	1.68	1.65	1.68	1.69	1.70	1.73	1.77	1.79	1.82	1.28	1.09	0.96	0.91	0.90	0.92	0.94	0.95	0.97	0.98	0.99	0.99	1.00	1.00	1.00	1.00	-2.1%
Net Coal Coke Imports	0.00	0.10	0.10	0.11	0.11	0.12	0.14	0.14	0.15	0.14	0.15	0.15	0.17	0.19	0.22	0.24	0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	N/A
Coal Subtotal	2.53	2.60	2.64	2.65	2.64	2.67	2.71	2.72	2.74	2.16	1.95	1.80	1.73	1.71	1.73	1.76	1.76	1.77	1.77	1.77	1.76	1.75	1.74	1.73	1.72	-1.6%
Renewable Energy 14/	2.44	2.50	2.54	2.56	2.59	2.63	2.67	2.71	2.75	2.77	2.79	2.81	2.83	2.85	2.92	2.99	3.04	3.09	3.12	3.15	3.17	3.19	3.21	3.23	3.23	1.2%
Methanol 12/	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.08	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	15.7%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.0%
Electricity	10.57	10.62	10.95	11.17	11.40	11.64	11.82	11.99	12.20	11.63	11.31	10.97	10.76	10.76	10.98	11.24	11.44	11.62	11.78	11.94	12.08	12.20	12.31	12.42	12.51	0.7%
Delivered Energy	70.19	70.97	72.42	74.03	74.86	75.89	76.87	77.64	78.63	76.92	75.66	73.92	72.40	71.89	72.87	74.03	74.84	75.66	76.42	77.09	77.67	78.14	78.58	78.97	79.25	0.5%
Electricity Related Losses	23.57	23.15	23.91	24.39	24.71	24.99	25.19	25.37	25.51	23.29	21.79	20.54	19.53	18.92	18.79	18.83	18.73	18.67	18.70	18.75	18.81	19.00	19.13	19.30	19.51	-0.8%
Total	93.77	94.12	96.33	98.42	99.56	100.88	102.07	103.00	104.15	100.22	97.45	94.46	91.93	90.81	91.67	92.85	93.57	94.32	95.11	95.85	96.48	97.14	97.71	98.27	98.76	0.2%
Electric Generators 15/																										
Distillate Fuel	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.04	0.03	0.04	0.07	0.09	0.10	0.09	0.10	0.13	0.15	0.14	0.16	0.20	0.16	0.15	0.20	4.2%
Residual Fuel	0.67	0.75	0.55	0.57	0.51	0.57	0.46	0.42	0.36	0.31	0.28	0.29	0.32	0.31	0.28	0.24	0.22	0.19	0.18	0.15	0.12	0.11	0.10	0.10	-7.7%	
Petroleum Subtotal	0.75	0.84	0.63	0.65	0.59	0.64	0.54	0.49	0.44	0.34	0.31	0.33	0.39	0.41	0.38	0.33	0.32	0.32	0.33	0.30	0.29	0.31	0.27	0.25	0.30	-3.7%
Natural Gas	3.04	2.71	3.28	3.71	3.65	4.07	4.39	4.67	5.08	7.10	9.52	11.20	12.02	12.34	12.66	13.01	13.42	13.79	14.04	14.28	14.45	14.48	14.51	14.50	14.32	6.7%
Steam Coal	18.36	18.56	19.54	19.55	19.56	19.55	19.54	19.58	19.54	15.13	10.86	7.34	5.12	4.06	3.71	3.36	2.79	2.26	1.77	1.39	0.98	0.71	0.49	0.37	0.25	16.3%
Nuclear Power	7.20	6.88	7.00	7.25	7.30	7.35	7.41	7.46	7.46	7.45	7.50	7.49	7.42	7.41	7.41	7.39	7.37	7.33	7.34	7.35	7.36	7.36	7.36	7.35	7.41	0.1%
Renewable Energy 16/	4.40	4.43	4.09	4.14	4.19	4.22	4.32	4.38	4.42	4.68	4.79	5.01	5.24	5.34	5.52	5.87	6.20	6.53	6.95	7.33	7.78	8.30	8.76	9.21	9.69	3.3%
Electricity Imports 17/	0.39	0.35	0.33	0.26	0.81	0.80	0.80	0.77	0.77	0.22	0.13	0.13	0.11	0.12	0.10	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	-8.7%
Total	34.14	33.77	34.86	35.56	36.11	36.63	37.01	37.35	37.71	34.93	33.10	31.51	30.30	29.68	29.78	30.06	30.17	30.29	30.48	30.70	30.89	31.20	31.44	31.72	32.02	-0.3%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	7.06	7.40	7.49	7.58	7.67	7.80	7.92	8.00	8.10	7.94	7.85	7.77	7.74	7.74	7.87	8.01	8.11	8.21	8.28	8.29	8.32	8.37	8.34	8.32	8.34	0.7%
Kerosene	0.14	0.15	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	-1.2%
Jet Fuel 9/	3.27	3.33	3.37	3.72	3.81	3.90	4.00	4.10	4.23	4.25	4.18	4.04	3.95	4.00	4.18	4.35	4.49	4.60	4.75	4.87	4.98	5.08	5.19	5.27	5.35	2.1%
Liquefied Petroleum Gas	2.66	2.67	2.67	2.68	2.72	2.76	2.80	2.84	2.88	2.88	2.90	2.91	2.95	2.96	3.03	3.11	3.15	3.17	3.18	3.19	3.21	3.22	3.23	3.24	3.21	0.8%
Motor Gasoline 2/	15.16	15.40	15.69	15.95	16.18	16.44	16.67	16.87	17.07	16.93	16.58	16.01	15.34	14.98	14.97	14.97	14.98	15.03	15.16	15.30	15.40	15.53	15.66	15.76	15.87	0.2%
Petrochemical Feedstocks	1.28	1.29	1.28	1.29	1.31	1.33	1.35	1.36	1.37	1.35	1.35	1.34	1.34	1.33	1.35	1.38	1.40	1.41	1.41	1.41	1.42	1.42	1.42	1.41	1.41	0.4%
Residual Fuel	2.07	2.11	1.89	1.92	1.92	2.00	1.91	1.90	1.90	1.86	1.84	1.87	1.92	1.95	2.05	2.07	2.09	2.10	2.12	2.13	2.14	2.16	2.18	2.20	2.23	0.3%
Other Petroleum 13/	4.37	4.43	4.44	4.59	4.66	4.72	4.72	4.75	4.77	4.65	4.68	4.49	4.37	4.37	4.50	4.71	4.78	4.87	4.92	5.02	4.97	5.12	5.12	5.15	5.16	0.7%
Petroleum Subtotal	36.01	36.76	36.95	37.85	38.40	39.08	39.50	39.94	40.44	39.97	39.48	38.53	37.71	37.43	38.06	38.72	39.10	39.50	39.94	40.33	40.54	41.00	41.23	41.45	41.67	0.6%
Natural Gas	22.43	22.03	23.24	24.14	24.04	24.55	25.05	25.39	25.96	27.74	29.86	31.24	31.66	31.77	32.09	32.53	33.09	33.64	34.02	34.31	34.68	34.60	34.68	34.70	34.54	1.8%
Metallurgical Coal	0.85	0.86	0.86	0.85	0.83	0.82	0.80	0.78	0.77	0.74	0.71	0.68	0.65	0.62	0.59	0.57	0.54	0.52	0.50	0.47	0.45	0.43	0.41	0.40	0.38	-3.3%
Steam Coal	20.05	20.21	21.21	21.25	21.26	21.28	21.31	21.38	21.36	16.41	11.94	8.30	6.02	4.96	4.63	4.31	3.74	3.22	2.75	2.38	1.97	1.71	1.49	1.37	1.26	-10.9%
Net Coal Coke Imports	0.00	0.10	0.10	0.11	0.11	0.12	0.14	0.14	0.15	0.14	0.15	0.15	0.17	0.19	0.22	0.24	0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	N/A
Coal Subtotal	20.90	21.17	22.17	22.20	22.21	22.22	22.25	22.30	22.28	17.29	12.80	9.14	6.85	5.78	5.44	5.12	4.55	4.02	3.54	3.16	2.74	2.47	2.24	2.10	1.98	-9.4%
Nuclear Power	7.20	6.88	7.00	7.25	7.30	7.35	7.41	7.46	7.46	7.45	7.50	7.49	7.42	7.41	7.41	7.39	7.37	7.33	7.34	7.35	7.36	7.36	7.36	7.35	7.41	0.1%
Renewable Energy 18/	6.84	6.93	6.63	6.70	6.78	6.85	7.00	7.09	7.17	7.45	7.58	7.82	8.07	8.19	8.44	8.86	9.24	9.61	10.08	10.48	10.95	11.49	11.97	12.43	12.92	2.7%
Methanol 12/	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.08	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	15.7%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.0%
Electricity Imports 17/	0.39	0.35	0.33	0.26	0.81	0.80	0.80	0.77	0.77	0.22	0.13	0.13	0.11	0.12	0.10	0.10	0.08	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	-8.7%
Total	93.77	94.12	96.33	98.42	99.56	100.88	102.07	103.00	104.15	100.22	97.45	94.46	91.93	90.81	91.67	92.85	93.57	94.32	95.11	95.85	96.48	97.14	97.71	98.27	98.76	0.2%
Energy Use & Related Statistics																										
Delivered Energy Use	70.19	70.97	72.42	74.03	74.86	75.89	76.87	77.64	78.63	76.92	75.66	73.92	72.40	71.89	72.87	74.03	74.84	75.66	76.42	77.09	77.67	78.14	78.58	78.97	79.25	0.5%
Total Energy Use	93.77	94.13	96.34	98.43	99.57	100.90	102.08	103.02	104.16	100.23	97.47	94.47	91.95	90.82	91.68	92.86	93.59	94.33	95.12	95.85	96.49	97.14	97.71	98.26	98.75	0.2%
Tot. Carbon Emis.(mill m. ton)	1462.9	1490.1	1537.0	1567.2	1574.8	1594.8	1609.9	1623.6	1639.2	1529.6	1434.9	1341.7	1268.0	1236.8	1243.4	1250.9	1249.3	1250.0	1249.6	1251.1	1250.9	1251.5	1251.0	1251.6	1250.8	-0.7%

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

4/ Fuel consumption includes consumption for cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators, excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; including for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline(nonrenewable).

12/ Only M85 (85 percent methanol and 15 percent motor gasoline).

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps and solar thermal hot water heaters.

15/ Includes consumption of energy by all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps and solar thermal hot water heaters.

Table 2. Energy Consumption by Sector and Source Notes (Continued)

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1996 natural gas lease, plant, and pipeline fuel values: Energy Information Administration (EIA), Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). 1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 3. Energy Prices by Sector and Source (1996 Dollars per Million Btu)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Residential	12.86	12.84	12.54	12.32	12.28	12.32	12.24	12.25	12.17	15.84	18.54	21.41	23.55	23.75	23.29	22.98	22.88	22.74	22.40	22.04	21.96	21.74	21.72	21.61	21.52	2.2%
Primary Energy 1/	6.63	6.69	6.31	6.34	6.30	6.33	6.27	6.29	6.27	7.99	9.39	10.99	12.20	12.42	12.27	12.25	12.34	12.34	12.20	12.07	12.08	12.03	12.03	12.01	11.91	2.5%
Petroleum Products 2/	8.51	8.33	8.10	8.58	8.72	8.81	8.86	8.99	9.12	11.01	12.39	14.10	15.34	15.39	15.03	14.88	14.95	14.96	14.79	14.65	14.68	14.59	14.63	14.61	14.51	2.2%
Distillate Fuel	7.09	6.96	6.60	7.20	7.28	7.31	7.35	7.43	7.53	9.52	11.02	12.79	14.17	14.25	13.85	13.64	13.67	13.65	13.45	13.28	13.28	13.19	13.22	13.21	13.06	2.6%
Liquefied Petroleum Gas	11.59	11.24	11.21	11.40	11.63	11.77	11.80	11.98	12.14	13.66	14.72	16.24	17.17	17.12	16.79	16.70	16.78	16.80	16.67	16.56	16.59	16.46	16.50	16.45	16.39	1.5%
Natural Gas	6.19	6.29	5.90	5.82	5.75	5.77	5.69	5.69	5.64	7.31	8.71	10.27	11.47	11.74	11.65	11.66	11.76	11.76	11.64	11.51	11.52	11.49	11.48	11.47	11.37	2.6%
Electricity	24.44	23.93	23.50	22.82	22.46	22.23	22.03	21.92	21.63	28.21	32.67	37.16	40.38	40.20	38.98	37.96	37.34	36.80	36.03	35.17	34.76	34.14	33.94	33.54	33.34	1.3%
Commercial	12.85	12.69	12.35	12.20	12.04	12.01	11.88	11.82	11.70	15.72	18.68	21.95	24.38	24.50	23.82	23.44	23.17	22.92	22.42	21.92	21.76	21.43	21.20	21.00	20.69	2.0%
Primary Energy 1/	5.26	5.23	4.94	4.91	4.87	4.90	4.85	4.86	4.83	6.54	7.97	9.61	10.87	11.09	10.91	10.86	10.93	10.91	10.76	10.59	10.57	10.49	10.45	10.41	10.28	2.8%
Petroleum Products 2/	5.56	5.29	5.39	5.36	5.44	5.50	5.54	5.64	5.73	7.71	9.17	10.98	12.31	12.36	11.98	11.80	11.84	11.83	11.67	11.49	11.51	11.40	11.41	11.42	11.30	3.0%
Distillate Fuel	5.27	5.00	4.97	4.99	5.06	5.09	5.13	5.21	5.32	7.31	8.79	10.56	11.94	12.02	11.62	11.42	11.46	11.44	11.24	11.07	11.08	10.99	11.01	11.00	10.85	3.1%
Residual Fuel	3.24	3.15	3.15	2.98	3.00	3.07	3.05	3.14	3.10	5.24	6.84	8.88	10.37	10.37	10.02	9.83	9.86	9.86	9.76	9.52	9.53	9.38	9.36	9.43	9.33	4.5%
Natural Gas 3/	5.28	5.31	4.94	4.91	4.84	4.88	4.81	4.80	4.76	6.39	7.79	9.38	10.61	10.85	10.72	10.69	10.78	10.76	10.61	10.45	10.43	10.35	10.30	10.26	10.12	2.7%
Electricity	22.07	21.61	21.09	20.68	20.34	20.16	19.88	19.70	19.41	25.89	30.26	34.77	37.94	37.73	36.43	35.57	34.73	34.14	33.26	32.42	32.05	31.44	31.00	30.59	30.13	1.3%
Industrial 4/	5.35	4.96	4.77	4.82	4.84	4.87	4.89	4.95	4.96	6.85	8.22	9.78	10.92	11.02	10.79	10.67	10.66	10.61	10.43	10.26	10.23	10.13	10.10	10.05	9.93	2.6%
Primary Energy	3.99	3.57	3.40	3.50	3.54	3.59	3.62	3.69	3.73	5.28	6.47	7.87	8.92	9.06	8.90	8.85	8.91	8.91	8.79	8.67	8.68	8.61	8.62	8.61	8.52	3.2%
Petroleum Products 2/	5.58	4.62	4.59	4.78	4.87	4.93	5.00	5.10	5.20	6.41	7.24	8.39	9.18	9.18	8.95	8.86	8.89	8.86	8.73	8.62	8.65	8.54	8.57	8.55	8.49	1.8%
Distillate Fuel	5.50	5.09	5.05	5.03	5.09	5.11	5.18	5.28	5.39	7.38	8.83	10.61	11.98	12.08	11.70	11.51	11.56	11.53	11.34	11.19	11.19	11.10	11.13	11.12	10.97	2.9%
Liquefied Petroleum Gas	7.80	5.64	5.63	6.09	6.28	6.42	6.45	6.62	6.75	8.24	9.25	10.78	11.70	11.65	11.37	11.28	11.35	11.33	11.18	11.06	11.11	10.96	10.99	10.94	10.87	1.4%
Residual Fuel	2.99	2.68	2.69	2.52	2.56	2.62	2.64	2.71	2.73	4.90	6.50	8.47	9.96	10.05	9.65	9.48	9.51	9.46	9.28	9.08	9.07	8.98	8.97	9.00	8.91	4.7%
Natural Gas 5/	2.96	3.01	2.69	2.72	2.71	2.74	2.75	2.80	2.77	4.36	5.73	7.25	8.44	8.72	8.65	8.66	8.78	8.82	8.74	8.63	8.64	8.62	8.61	8.60	8.50	4.5%
Metallurgical Coal	1.77	1.75	1.74	1.71	1.69	1.69	1.67	1.66	1.64	4.28	6.31	8.67	10.50	10.74	10.36	10.14	10.16	10.07	9.81	9.55	9.50	9.41	9.37	9.36	9.19	7.1%
Steam Coal	1.46	1.41	1.39	1.38	1.36	1.35	1.33	1.32	1.31	3.96	5.99	8.35	10.18	10.42	10.03	9.81	9.82	9.72	9.46	9.19	9.15	9.05	9.01	9.00	8.83	7.8%
Electricity	13.38	13.06	12.73	12.52	12.29	12.16	12.02	11.91	11.70	15.56	18.12	20.66	22.38	22.23	21.51	20.94	20.44	20.05	19.56	19.05	18.81	18.48	18.20	17.95	17.67	1.2%
Transportation	8.77	8.40	8.22	8.26	8.34	8.41	8.46	8.54	8.63	10.53	11.88	13.45	14.62	14.64	14.19	13.99	13.96	13.90	13.68	13.48	13.45	13.38	13.36	13.37	13.22	1.7%
Primary Energy	8.76	8.38	8.21	8.24	8.32	8.40	8.44	8.52	8.61	10.52	11.88	13.44	14.61	14.63	14.18	13.99	13.95	13.89	13.67	13.48	13.45	13.38	13.36	13.37	13.22	1.7%
Petroleum Products 2/	8.76	8.38	8.20	8.24	8.32	8.40	8.44	8.52	8.61	10.52	11.88	13.44	14.61	14.63	14.18	13.98	13.94	13.88	13.66	13.46	13.43	13.36	13.34	13.35	13.20	1.7%
Distillate Fuel 6/	8.90	8.37	8.18	8.23	8.25	8.25	8.28	8.37	8.49	10.39	11.80	13.48	14.74	14.79	14.39	14.16	14.18	14.14	13.94	13.74	13.71	13.63	13.62	13.58	13.34	1.7%
Jet Fuel 7/	5.52	4.81	4.78	4.89	4.99	5.08	5.15	5.23	5.35	7.26	8.64	10.31	11.52	11.60	11.20	11.05	11.09	11.09	10.92	10.77	10.79	10.72	10.76	10.79	10.73	2.8%
Motor Gasoline 8/	9.89	9.59	9.37	9.46	9.57	9.68	9.74	9.83	9.92	11.85	13.20	14.70	15.86	15.89	15.44	15.28	15.23	15.16	14.94	14.76	14.72	14.67	14.64	14.67	14.53	1.6%
Residual Fuel	2.55	2.56	2.56	2.40	2.48	2.53	2.54	2.60	2.68	4.84	6.47	8.43	9.91	10.04	9.66	9.50	9.55	9.52	9.33	9.10	9.10	9.02	9.02	9.04	8.96	5.4%
Liquid Petroleum Gas 9/	12.63	12.65	12.62	12.50	12.69	12.81	12.79	12.93	13.06	14.50	15.51	16.96	17.83	17.72	17.36	17.23	17.28	17.26	17.09	16.94	16.94	16.78	16.78	16.70	16.61	1.1%
Natural Gas 10/	5.42	6.47	5.91	5.69	5.55	5.56	5.55	5.62	5.70	7.41	8.94	10.63	11.96	12.34	12.32	12.38	12.51	12.53	12.42	12.30	12.30	12.27	12.26	12.27	12.20	3.4%
E85 11/	15.85	15.86	15.85	15.49	15.83	15.85	16.02	16.14	16.25	16.78	17.02	19.06	20.29	20.28	19.61	19.55	19.24	19.15	18.96	18.77	18.82	18.89	19.03	19.00	19.09	0.8%
Methanol 12/	12.24	12.24	12.24	11.90	12.13	12.29	12.26	12.36	12.74	14.23	15.46	16.88	17.69	17.66	17.21	17.07	17.31	17.26	17.08	16.90	16.86	16.84	16.82	16.84	16.74	1.3%
Electricity	15.34	15.27	15.02	14.80	14.47	14.24	14.08	13.85	13.56	14.06	14.70	15.46	16.18	16.13	15.91	15.39	14.95	14.74	14.49	14.18	13.99	13.69	13.52	13.35	13.27	-0.6%
Average End-Use Energy	8.65	8.31	8.11	8.09	8.11	8.15	8.15	8.20	8.22	10.56	12.24	14.10	15.48	15.57	15.17	14.95	14.89	14.80	14.57	14.34	14.30	14.18	14.15	14.11	13.98	2.0%
Primary Energy	8.32	7.96	7.76	7.76	7.79	7.83	7.84	7.90	7.94	10.13	11.69	13.43	14.72	14.78	14.38	14.17	14.12	14.03	13.81	13.59	13.55	13.44	13.41	13.37	13.24	2.0%
Electricity	20.01	19.51	19.16	18.71	18.43	18.26	18.04	17.90	17.64	23.20	26.95	30.74	33.39	33.26	32.19	31.32	30.69	30.19	29.54	28.84	28.54	28.05	27.78	27.46	27.21	1.3%



Table 3. Energy Prices by Sector and Source (1996 Dollars per Million Btu)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Electric Generators 13/																										
Fossil Fuel Average	1.54	1.49	1.45	1.48	1.46	1.48	1.48	1.49	1.50	3.97	5.77	7.63	8.94	9.14	8.96	8.91	8.99	8.98	8.86	8.73	8.72	8.67	8.64	8.61	8.52	7.4%
Petroleum Products	3.25	2.92	2.96	2.94	3.03	3.03	3.13	3.24	3.35	5.47	7.12	9.12	10.62	10.79	10.48	10.35	10.46	10.54	10.42	10.30	10.38	10.35	10.36	10.41	10.28	4.9%
Distillate Fuel	4.91	4.58	4.55	4.57	4.63	4.67	4.72	4.82	4.94	6.98	8.50	10.18	11.46	11.53	11.14	10.98	11.01	10.96	10.76	10.61	10.61	10.51	10.55	10.54	10.38	3.2%
Residual Fuel	3.07	2.74	2.74	2.72	2.79	2.81	2.87	2.95	3.03	5.29	6.97	8.95	10.44	10.57	10.24	10.12	10.20	10.26	10.13	10.01	10.09	10.09	10.09	10.19	10.06	5.1%
Natural Gas	2.64	2.65	2.44	2.58	2.49	2.54	2.57	2.61	2.62	4.24	5.62	7.19	8.40	8.69	8.63	8.67	8.80	8.84	8.76	8.66	8.67	8.62	8.60	8.57	8.48	5.0%
Steam Coal	1.29	1.25	1.24	1.22	1.21	1.20	1.19	1.18	1.17	3.81	5.86	8.24	10.09	10.33	9.95	9.71	9.72	9.62	9.35	9.10	9.04	8.95	8.92	8.96	8.80	8.3%
Average Price to All Users 14/																										
Petroleum Products 2/	7.83	7.32	7.23	7.33	7.42	7.49	7.56	7.66	7.76	9.51	10.73	12.19	13.24	13.24	12.83	12.65	12.63	12.58	12.39	12.22	12.22	12.13	12.14	12.14	12.02	1.8%
Distillate Fuel 6/	7.84	7.44	7.29	7.40	7.44	7.46	7.50	7.59	7.71	9.66	11.08	12.79	14.08	14.13	13.72	13.51	13.53	13.48	13.28	13.09	13.07	12.97	12.98	12.95	12.73	2.0%
Jet Fuel	5.52	4.81	4.78	4.89	4.99	5.08	5.15	5.23	5.35	7.26	8.64	10.31	11.52	11.60	11.20	11.05	11.09	11.09	10.92	10.77	10.79	10.72	10.76	10.79	10.73	2.8%
Liquefied Petroleum Gas	8.53	6.73	6.73	7.15	7.36	7.51	7.55	7.75	7.91	9.42	10.45	11.97	12.87	12.82	12.52	12.42	12.49	12.49	12.36	12.25	12.30	12.16	12.20	12.16	12.11	1.5%
Motor Gasoline 8/	9.89	9.59	9.37	9.44	9.55	9.66	9.72	9.81	9.90	11.83	13.19	14.69	15.85	15.87	15.43	15.26	15.22	15.15	14.93	14.74	14.71	14.66	14.63	14.66	14.51	1.6%
Residual Fuel	2.84	2.69	2.67	2.55	2.61	2.66	2.67	2.73	2.79	4.95	6.57	8.54	10.04	10.15	9.76	9.59	9.63	9.59	9.41	9.18	9.17	9.09	9.08	9.10	9.02	4.9%
Natural Gas	4.14	4.17	3.82	3.80	3.77	3.78	3.75	3.76	3.73	5.21	6.49	7.96	9.12	9.39	9.31	9.32	9.44	9.46	9.37	9.25	9.26	9.22	9.21	9.19	9.09	3.3%
Coal	1.32	1.27	1.25	1.24	1.23	1.22	1.21	1.19	1.18	3.82	5.88	8.26	10.11	10.36	9.97	9.74	9.75	9.66	9.40	9.15	9.11	9.02	9.00	9.01	8.84	8.2%
E85 11/	15.85	15.86	15.85	15.49	15.83	15.85	16.02	16.14	16.25	16.78	17.02	19.06	20.29	20.28	19.61	19.55	19.24	19.15	18.96	18.77	18.82	18.89	19.03	19.00	19.09	0.8%
Methanol 12/	12.24	12.24	12.24	11.90	12.13	12.29	12.26	12.36	12.74	14.23	15.46	16.88	17.69	17.66	17.21	17.07	17.31	17.26	17.08	16.90	16.86	16.84	16.82	16.84	16.74	1.3%
Electricity	20.01	19.51	19.16	18.71	18.43	18.26	18.04	17.90	17.64	23.20	26.95	30.74	33.39	33.26	32.19	31.32	30.69	30.19	29.54	28.84	28.54	28.05	27.78	27.46	27.21	1.3%
Non-Renewable Energy Expenditures by Sect. (billion 1996 dollars)																										
Residential	135.30	129.93	131.61	130.87	132.39	134.05	134.23	135.15	135.77	166.15	187.66	209.08	224.64	224.66	221.60	220.07	221.09	221.20	220.40	219.12	220.60	219.70	221.08	221.77	223.12	2.1%
Commercial	95.90	95.01	94.46	94.80	94.66	95.23	95.22	95.73	95.79	120.32	135.42	148.77	156.66	156.77	155.24	154.84	154.49	154.65	153.70	152.53	152.40	151.33	150.63	149.90	148.56	1.8%
Industrial	111.93	106.09	103.46	105.29	105.64	107.25	108.61	110.15	111.16	151.70	180.78	213.69	238.20	239.72	238.74	241.65	244.74	246.14	243.07	239.41	239.10	237.35	236.31	235.31	231.62	3.1%
Transportation	210.43	206.44	206.23	213.42	219.48	225.97	231.45	237.48	244.26	298.41	332.98	368.27	390.40	386.94	379.60	379.42	382.34	384.72	383.73	382.74	385.50	387.38	390.75	393.87	392.18	2.6%
Total Non-Renewable Expend.	553.56	537.47	535.76	544.39	552.16	562.50	569.51	578.51	586.98	736.59	836.85	939.81	1009.9	1008.1	995.18	995.98	1002.7	1006.7	1000.9	993.80	997.61	995.77	998.77	1000.9	995.49	2.5%
Trans. Renew. Expenditures	0.08	0.12	0.17	0.22	0.30	0.45	0.63	0.79	0.96	1.22	1.49	1.77	1.99	2.07	2.18	2.28	2.37	2.46	2.53	2.60	2.69	2.78	2.87	2.97	3.02	16.2%
Total Expenditures	553.64	537.59	535.93	544.60	552.47	562.95	570.14	579.30	587.94	737.81	838.34	941.58	1011.9	1010.2	997.35	998.26	1005.0	1009.2	1003.4	996.41	1000.3	998.55	1001.6	1003.8	998.51	2.5%

1/ Weighted average price includes fuels below as well as coal.

2/ This quantity is the weighted average for all petroleum products, not just those listed below.

3/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Low sulfur diesel fuel. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal and State taxes and excludes county and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

12/ Only M85 (85 percent methanol and 15 percent motor gasoline).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

14/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Table 3. Energy Prices by Sector and Source Notes (Continued)

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Sources: 1996 prices for gasoline, distillate, and jet fuel are based on prices in various issues of EIA, Petroleum Marketing Monthly, DOE/EIA-0380(96/13-97/4) (Washington, DC, 1996-97). 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B. Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 4. Residential Sector Key Indicators and Consumption (Quadrillion Btu per year, Unless otherwise noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Key Indicators																										
Households (millions)																										
Single-Family	69.61	70.54	71.46	72.38	73.26	74.13	74.97	75.80	76.63	77.37	78.10	78.83	79.57	80.31	81.08	81.92	82.80	83.70	84.59	85.44	86.29	87.14	87.99	88.82	89.61	1.1%
Multifamily	24.76	24.97	25.17	25.37	25.55	25.72	25.91	26.11	26.32	26.48	26.63	26.78	26.95	27.16	27.42	27.72	28.06	28.42	28.78	29.12	29.45	29.78	30.11	30.42	30.70	0.9%
Mobile Homes	6.00	6.15	6.29	6.42	6.54	6.65	6.76	6.87	6.97	7.07	7.16	7.24	7.33	7.43	7.54	7.64	7.76	7.87	7.98	8.08	8.17	8.25	8.33	8.41	8.47	1.4%
Total	100.37	101.66	102.92	104.17	105.35	106.50	107.64	108.77	109.92	110.92	111.89	112.85	113.85	114.90	116.04	117.28	118.61	120.00	121.35	122.64	123.90	125.17	126.43	127.64	128.78	1.0%
Average House Square Footage	1649	1655	1660	1665	1670	1675	1679	1684	1688	1691	1695	1698	1702	1705	1708	1710	1713	1716	1718	1721	1723	1725	1728	1730	1732	0.2%
Energy Intensity (million Btu per household)																										
Delivered Energy Consumption	110.92	105.43	107.97	107.83	108.15	107.87	107.55	106.99	106.99	100.05	95.96	91.98	89.22	87.77	87.44	87.09	86.89	86.44	86.42	86.37	86.35	85.97	85.74	85.58	85.69	-1.1%
Electricity Related Losses	81.78	77.47	80.68	80.79	82.03	82.61	82.27	81.90	81.59	73.50	68.53	64.52	61.26	59.00	57.88	57.09	56.24	55.36	55.07	54.96	55.00	55.18	55.34	55.69	56.32	-1.5%
Total Energy Consumption	192.70	182.90	188.65	188.62	190.18	190.49	189.82	188.90	188.58	173.55	164.49	156.50	150.48	146.77	145.32	144.18	143.14	141.80	141.49	141.33	141.36	141.15	141.08	141.27	142.01	-1.3%
Delivered Energy Consum. by Fuel																										
Electricity																										
Space Heating	0.47	0.44	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.44	0.42	0.41	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.41	0.42	0.42	0.42	0.43	0.43	-0.3%
Space Cooling	0.46	0.44	0.47	0.47	0.48	0.48	0.49	0.50	0.50	0.47	0.45	0.43	0.42	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.45	0.46	-0.1%
Water Heating	0.37	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.35	0.34	0.32	0.32	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	-0.3%
Refrigeration	0.41	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.31	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	-1.7%
Cooking	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	1.0%
Clothes Dryers	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.20	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.6%
Freezers	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-2.5%
Lighting	0.32	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.34	0.33	0.32	0.30	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.7%
Clothes Washers 1/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.6%
Dishwashers 1/	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.6%
Color Televisions	0.21	0.22	0.23	0.24	0.26	0.26	0.27	0.28	0.29	0.27	0.27	0.26	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	1.4%
Personal Computers	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	5.0%
Furnace Fans	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	1.3%
Other Uses 2/	0.79	0.84	0.93	1.00	1.09	1.19	1.23	1.26	1.31	1.25	1.24	1.24	1.25	1.28	1.32	1.37	1.42	1.45	1.50	1.54	1.59	1.62	1.66	1.69	1.73	3.3%
Delivered Energy	3.68	3.61	3.80	3.86	3.99	4.10	4.15	4.21	4.29	4.07	3.98	3.89	3.84	3.86	3.93	4.00	4.07	4.14	4.21	4.29	4.38	4.44	4.50	4.58	4.65	1.0%
Natural Gas																										
Space Heating	3.77	3.52	3.66	3.74	3.77	3.77	3.80	3.81	3.85	3.58	3.42	3.25	3.14	3.07	3.05	3.04	3.04	3.05	3.07	3.08	3.10	3.10	3.12	3.12	3.15	-0.7%
Space Cooling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.9%
Water Heating	1.31	1.25	1.29	1.31	1.32	1.32	1.33	1.33	1.35	1.26	1.21	1.16	1.14	1.13	1.14	1.15	1.15	1.16	1.17	1.17	1.17	1.17	1.17	1.18	1.18	-0.4%
Cooking	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.6%
Clothes Dryers	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.3%
Other Uses 3/	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.2%
Delivered Energy	5.39	5.06	5.26	5.36	5.40	5.40	5.44	5.46	5.52	5.16	4.94	4.72	4.58	4.52	4.51	4.51	4.52	4.53	4.57	4.59	4.61	4.62	4.63	4.65	4.68	-0.6%

Table 4. Residential Sector Key Indicators and Consumption (Quadrillion Btu per year, Unless otherwise noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Distillate																										
Space Heating	0.80	0.79	0.79	0.76	0.74	0.73	0.72	0.71	0.70	0.64	0.60	0.57	0.54	0.52	0.51	0.50	0.49	0.48	0.48	0.48	0.47	0.47	0.46	0.45	0.45	-2.4%
Water Heating	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-0.8%
Other Uses 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.2%
Delivered Energy	0.89	0.88	0.88	0.85	0.84	0.83	0.81	0.80	0.79	0.73	0.69	0.65	0.61	0.60	0.59	0.58	0.57	0.56	0.56	0.55	0.54	0.54	0.53	0.53	0.53	-2.2%
Liquefied Petroleum Gas																										
Space Heating	0.32	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.29	0.29	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	-0.3%
Water Heating	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.8%
Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.7%
Other Uses 3/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.1%
Delivered Energy	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.41	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.0%
Marketed Renewables (wood) 5/	0.61	0.60	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.4%
Other Fuels 6/	0.13	0.15	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.11	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-1.8%
Deliv. Energy Consum. by End-Use																										
Space Heating	6.10	5.80	5.97	6.01	6.03	6.01	6.04	6.04	6.07	5.69	5.46	5.23	5.07	4.98	4.96	4.94	4.95	4.95	4.98	5.00	5.02	5.02	5.04	5.05	5.08	-0.8%
Space Cooling	0.47	0.44	0.48	0.48	0.48	0.49	0.49	0.50	0.51	0.47	0.45	0.44	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.0%
Water Heating	1.84	1.77	1.82	1.84	1.85	1.85	1.86	1.87	1.89	1.77	1.70	1.64	1.61	1.60	1.61	1.61	1.62	1.63	1.64	1.65	1.66	1.66	1.66	1.67	1.68	-0.4%
Refrigeration	0.41	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.31	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	-1.7%
Cooking	0.33	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.8%
Clothes Dryers	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.25	0.24	0.24	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.6%
Freezers	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-2.5%
Lighting	0.32	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.34	0.33	0.32	0.30	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.7%
Clothes Washers	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.6%
Dishwashers	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.6%
Color Televisions	0.21	0.22	0.23	0.24	0.26	0.26	0.27	0.28	0.29	0.27	0.27	0.26	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	1.4%
Personal Computers	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	5.0%
Furnace Fans	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	1.3%
Other Uses 7/	0.90	0.94	1.03	1.10	1.20	1.29	1.33	1.37	1.42	1.36	1.34	1.33	1.34	1.37	1.42	1.47	1.52	1.56	1.60	1.65	1.70	1.73	1.76	1.80	1.84	3.0%
Delivered Energy	11.13	10.72	11.11	11.23	11.39	11.49	11.58	11.64	11.76	11.10	10.74	10.38	10.16	10.09	10.15	10.21	10.31	10.37	10.49	10.59	10.70	10.76	10.84	10.92	11.04	-0.0%
Electricity Related Losses	8.21	7.88	8.30	8.42	8.64	8.80	8.86	8.91	8.97	8.15	7.67	7.28	6.97	6.78	6.72	6.70	6.67	6.64	6.68	6.74	6.82	6.91	7.00	7.11	7.25	-0.5%

Table 4. Residential Sector Key Indicators and Consumption (Quadrillion Btu per year, Unless otherwise noted)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Total Energy Consum. by End-Use																											
Space Heating	7.15	6.77	6.97	7.01	7.03	7.01	7.04	7.04	7.07	6.58	6.28	5.99	5.78	5.66	5.63	5.60	5.60	5.59	5.62	5.64	5.67	5.68	5.70	5.71	5.75	-0.9%	
Space Cooling	1.50	1.40	1.51	1.51	1.52	1.53	1.54	1.55	1.56	1.41	1.32	1.24	1.19	1.15	1.14	1.13	1.13	1.12	1.13	1.14	1.14	1.15	1.16	1.17	1.18	-1.0%	
Water Heating	2.66	2.55	2.62	2.63	2.64	2.64	2.65	2.65	2.67	2.47	2.35	2.25	2.18	2.14	2.14	2.14	2.14	2.14	2.15	2.16	2.17	2.17	2.18	2.20	2.22	-0.8%	
Refrigeration	1.32	1.22	1.21	1.16	1.14	1.11	1.07	1.03	1.00	0.94	0.90	0.86	0.83	0.79	0.77	0.74	0.73	0.71	0.70	0.69	0.69	0.69	0.69	0.69	0.70	-2.6%	
Cooking	0.62	0.60	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.2%	
Clothes Dryers	0.68	0.65	0.67	0.67	0.68	0.69	0.69	0.70	0.70	0.65	0.61	0.59	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.59	0.60	0.61	0.61	0.61	0.62	0.63	-0.3%
Freezers	0.42	0.38	0.37	0.35	0.34	0.32	0.30	0.29	0.27	0.26	0.24	0.23	0.22	0.21	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	-3.4%	
Lighting	1.05	1.01	1.05	1.06	1.08	1.09	1.10	1.11	1.13	1.03	0.97	0.91	0.86	0.84	0.85	0.86	0.87	0.88	0.90	0.91	0.93	0.94	0.96	0.97	0.99	-0.2%	
Clothes Washers	0.09	0.08	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-0.4%	
Dishwashers	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	-0.4%	
Color Televisions	0.68	0.69	0.74	0.77	0.81	0.83	0.85	0.86	0.88	0.82	0.78	0.74	0.72	0.70	0.70	0.70	0.70	0.70	0.70	0.71	0.72	0.73	0.75	0.76	0.76	0.4%	
Personal Computers	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	3.9%	
Furnace Fans	0.29	0.28	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.30	0.29	0.28	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.3%	
Other Uses 7/	2.67	2.76	3.06	3.28	3.57	3.84	3.94	4.04	4.15	3.86	3.74	3.65	3.60	3.62	3.69	3.76	3.83	3.89	3.98	4.07	4.17	4.25	4.34	4.44	4.55	2.2%	
Total	19.34	18.59	19.42	19.65	20.03	20.29	20.43	20.55	20.73	19.25	18.40	17.66	17.13	16.86	16.86	16.91	16.98	17.02	17.17	17.33	17.51	17.67	17.84	18.03	18.29	-0.2%	
Non-Marketed Renewables																											
Geothermal 8/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	7.2%	
Solar 9/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.3%	
Total	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	4.6%	

1/ Does not include water heating of load.

2/ Includes small electric devices, heating elements and motors.

3/ Includes such appliances as swimming pool heaters, outdoor grills, and outdoor lighting (natural gas)

4/ Includes such appliances as swimming pool and hot tub heaters.

5/ Includes wood used for primary and secondary heating in wood stoves or fireplaces as reported in the Residential Energy Consumption Survey 1993.

6/ Includes kerosene and coal.

7/ Includes all other uses listed above.

8/ Includes primary energy displaced by geothermal heat pumps in space heating and cooling applications.

9/ Includes primary energy displaced by solar thermal water heaters.

Btu = British thermal unit.

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

Sources: 1996: Energy Information Administration (EIA), Short-Term Energy Outlook, August 1997, Online.<http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.



Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per year, Unless otherwise noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Marketed Renewable Fuels																										
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1%
Delivered Energy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1%
Deliv. Energy Consump. by End-Use																										
Space Heating	1.65	1.61	1.64	1.64	1.64	1.64	1.64	1.65	1.65	1.52	1.41	1.28	1.18	1.16	1.17	1.17	1.17	1.17	1.18	1.20	1.19	1.20	1.20	1.20	1.20	-1.3%
Space Cooling	0.53	0.52	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.53	0.50	0.47	0.45	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	-0.4%
Water Heating	0.68	0.69	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.66	0.61	0.56	0.52	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.55	-0.9%
Ventilation	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.16	0.15	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.4%
Cooking	0.21	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.22	0.21	0.19	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	-0.6%
Lighting	1.16	1.18	1.20	1.21	1.22	1.23	1.23	1.24	1.24	1.15	1.08	1.00	0.94	0.93	0.94	0.95	0.96	0.97	0.98	0.98	0.99	0.99	0.99	0.99	0.98	-0.7%
Refrigeration	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.6%
Office Equipment (PC)	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	1.2%
Office Equipment (non-PC)	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.30	1.8%
Other Uses 6/	2.65	2.69	2.74	2.83	2.90	2.95	3.01	3.06	3.12	2.96	2.84	2.69	2.58	2.60	2.66	2.72	2.76	2.80	2.86	2.92	2.95	2.99	3.02	3.04	3.07	0.6%
Delivered Energy	7.47	7.49	7.65	7.78	7.86	7.93	8.02	8.10	8.19	7.66	7.25	6.78	6.43	6.40	6.52	6.61	6.67	6.75	6.86	6.96	7.01	7.07	7.11	7.14	7.18	-0.2%
Electricity Related Losses	7.52	7.44	7.66	7.84	7.90	7.93	7.99	8.04	8.07	7.27	6.72	6.22	5.82	5.66	5.64	5.63	5.61	5.60	5.64	5.67	5.68	5.74	5.78	5.82	5.88	-1.0%
Total Energy Consump. by End-Use																										
Space Heating	1.91	1.85	1.89	1.88	1.88	1.88	1.88	1.88	1.88	1.72	1.59	1.44	1.33	1.30	1.31	1.31	1.31	1.31	1.32	1.33	1.33	1.33	1.33	1.32	1.33	-1.5%
Space Cooling	1.67	1.60	1.71	1.72	1.72	1.71	1.70	1.70	1.69	1.52	1.41	1.30	1.22	1.19	1.19	1.19	1.18	1.18	1.19	1.19	1.18	1.19	1.19	1.19	1.19	-1.4%
Water Heating	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.98	0.91	0.83	0.77	0.75	0.75	0.75	0.75	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	-1.4%
Ventilation	0.55	0.54	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.50	0.47	0.43	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	-1.4%
Cooking	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.28	0.25	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	-1.2%
Lighting	3.75	3.76	3.81	3.86	3.87	3.86	3.86	3.85	3.84	3.44	3.15	2.87	2.65	2.56	2.54	2.53	2.52	2.52	2.53	2.52	2.53	2.52	2.52	2.52	2.52	-1.6%
Refrigeration	0.45	0.45	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.46	0.45	0.44	0.44	0.43	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	-0.4%
Office Equipment (PC)	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.23	0.22	0.20	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.2%
Office Equipment (non-PC)	0.63	0.64	0.66	0.68	0.70	0.71	0.72	0.74	0.75	0.70	0.66	0.63	0.61	0.61	0.62	0.64	0.65	0.66	0.68	0.69	0.70	0.72	0.74	0.75	0.77	0.8%
Other Uses 6/	4.43	4.51	4.64	4.85	4.97	5.08	5.21	5.33	5.44	5.10	4.87	4.62	4.43	4.43	4.52	4.60	4.66	4.73	4.82	4.92	4.97	5.05	5.11	5.17	5.24	0.7%
Total	14.98	14.93	15.31	15.61	15.76	15.86	16.01	16.14	16.26	14.93	13.97	13.00	12.25	12.07	12.16	12.24	12.29	12.35	12.50	12.63	12.69	12.81	12.88	12.96	13.06	-0.6%
Non-Marketed Renewable Fuels																										
Solar 7/	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.2%
Total	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.2%

1/ Includes miscellaneous uses, such as service station equipment, district services, automated teller machines, telecommunications equipment, and medical equipment.

2/ Excludes estimated consumption from independent power producers.

3/ Includes miscellaneous uses, such as district services, pumps, lighting, emergency electric generators, and manufacturing performed in commercial buildings.

4/ Includes miscellaneous uses, such as cooking, district services, and emergency electric generators.

5/ Includes residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.

Table 5. Commercial Sector Key Indicators and Consumption Notes (Continued)

6/ Includes miscellaneous uses, such as service station equipment, district services, automated teller machines, telecommunications equipment, medical equipment, pumps, lighting, emergency electric generators, manufacturing performed in commercial buildings, and cooking (distillate), plus residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.

7/ Includes primary energy displaced by solar thermal water heaters.

Btu = British thermal unit.

PC = Personal computer.

Note: Totals may not equal sum of components due to independent rounding. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1996: Energy Information Administration (EIA), Short-Term Energy Outlook, August 1997, Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/sep97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.



Table 6. Industrial Sector Key Indicators and Consumption (Quadrillion Btu per year, Unless otherwise noted)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Key Indicators																											
Value of Gross Output(bill.87\$)																											
Manufacturing	3030	3162	3194	3248	3325	3410	3493	3578	3686	3736	3781	3824	3870	3897	4026	4192	4300	4390	4446	4504	4566	4622	4675	4722	4751	1.9%	
Nonmanufacturing	774	794	812	824	834	846	858	865	877	877	876	876	880	881	906	936	959	980	993	1002	1010	1020	1029	1035	1036	1.2%	
Total	3805	3956	4006	4072	4159	4256	4350	4444	4563	4613	4657	4700	4749	4778	4932	5128	5259	5370	5440	5506	5576	5642	5704	5757	5786	1.8%	
Energy Prices (1996\$/mmBtu)																											
Electricity	13.38	13.06	12.73	12.52	12.29	12.16	12.02	11.91	11.70	15.56	18.12	20.66	22.38	22.23	21.51	20.94	20.44	20.05	19.56	19.05	18.81	18.48	18.20	17.95	17.67	1.2%	
Natural Gas	2.96	3.01	2.69	2.72	2.71	2.74	2.75	2.80	2.77	4.36	5.73	7.25	8.44	8.72	8.65	8.66	8.78	8.82	8.74	8.63	8.64	8.62	8.61	8.60	8.50	4.5%	
Steam Coal	1.46	1.41	1.39	1.38	1.36	1.35	1.33	1.32	1.31	3.96	5.99	8.35	10.18	10.42	10.03	9.81	9.82	9.72	9.46	9.19	9.15	9.05	9.01	9.00	8.83	7.8%	
Residual Oil	2.99	2.68	2.69	2.52	2.56	2.62	2.64	2.71	2.73	4.90	6.50	8.47	9.96	10.05	9.65	9.48	9.51	9.46	9.28	9.08	9.07	8.98	8.97	9.00	8.91	4.7%	
Distillate Oil	5.50	5.09	5.05	5.03	5.09	5.11	5.18	5.28	5.39	7.38	8.83	10.61	11.98	12.08	11.70	11.51	11.56	11.53	11.34	11.19	11.19	11.10	11.13	11.12	10.97	2.9%	
Liquefied Petroleum Gas	7.80	5.64	5.63	6.09	6.28	6.42	6.45	6.62	6.75	8.24	9.25	10.78	11.70	11.65	11.37	11.28	11.35	11.33	11.18	11.06	11.11	10.96	10.99	10.94	10.87	1.4%	
Motor Gasoline	9.86	9.54	9.32	8.10	8.24	8.39	8.48	8.61	8.72	10.71	12.11	13.66	14.85	14.92	14.50	14.34	14.32	14.28	14.08	13.92	13.91	13.90	13.90	13.95	13.83	1.4%	
Metallurgical Coal	1.77	1.75	1.74	1.71	1.69	1.69	1.67	1.66	1.64	4.28	6.31	8.67	10.50	10.74	10.36	10.14	10.16	10.07	9.81	9.55	9.50	9.41	9.37	9.36	9.19	7.1%	
Energy Consumption																											
Consumption (quad.Btu/year) 1/																											
Purchased Electricity	3.46	3.54	3.58	3.67	3.71	3.78	3.85	3.91	3.98	3.85	3.76	3.67	3.62	3.59	3.67	3.78	3.84	3.90	3.91	3.93	3.95	3.97	3.98	3.99	3.98	0.6%	
Natural Gas 2/	9.96	10.21	10.51	10.80	10.70	10.74	10.81	10.80	10.83	11.14	11.24	11.37	11.30	11.18	11.12	11.16	11.27	11.38	11.41	11.37	11.52	11.38	11.39	11.39	11.37	0.6%	
Steam Coal	1.55	1.51	1.54	1.55	1.56	1.59	1.62	1.65	1.67	1.15	0.97	0.86	0.81	0.80	0.83	0.85	0.86	0.87	0.88	0.89	0.90	0.90	0.90	0.90	0.90	-2.2%	
Metallurgical Coal & Coke 3/	0.85	0.95	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.88	0.86	0.84	0.82	0.81	0.81	0.81	0.81	0.80	0.79	0.78	0.76	0.76	0.75	0.73	0.72	-0.7%	
Residual Fuel	0.34	0.35	0.34	0.33	0.35	0.35	0.34	0.34	0.35	0.34	0.33	0.31	0.31	0.31	0.41	0.42	0.43	0.44	0.44	0.45	0.45	0.45	0.44	0.44	0.44	1.0%	
Distillate	1.17	1.18	1.17	1.19	1.20	1.23	1.26	1.28	1.31	1.33	1.34	1.37	1.39	1.40	1.44	1.48	1.51	1.53	1.55	1.55	1.56	1.57	1.58	1.58	1.58	1.3%	
Liquefied Petroleum Gas	2.12	2.14	2.13	2.12	2.15	2.19	2.21	2.23	2.25	2.24	2.26	2.27	2.30	2.31	2.37	2.44	2.47	2.48	2.48	2.49	2.50	2.50	2.50	2.50	2.47	0.6%	
Petrochemical Feedstocks	1.28	1.29	1.28	1.29	1.31	1.33	1.35	1.36	1.37	1.35	1.35	1.34	1.34	1.33	1.35	1.38	1.40	1.41	1.41	1.41	1.42	1.42	1.42	1.41	1.41	0.4%	
Other Petroleum 4/	4.31	4.36	4.37	4.51	4.58	4.65	4.65	4.67	4.70	4.58	4.61	4.42	4.31	4.31	4.44	4.65	4.72	4.80	4.85	4.94	4.88	5.03	5.03	5.06	5.08	0.7%	
Renewables 5/	1.82	1.89	1.90	1.93	1.96	1.99	2.02	2.05	2.08	2.09	2.09	2.10	2.11	2.12	2.17	2.24	2.28	2.31	2.34	2.36	2.37	2.39	2.40	2.40	2.40	1.2%	
Delivered Energy	26.87	27.40	27.78	28.35	28.47	28.79	29.05	29.20	29.45	28.95	28.80	28.54	28.31	28.16	28.61	29.21	29.57	29.92	30.06	30.17	30.30	30.36	30.37	30.42	30.34	0.5%	
Electricity Related Losses	7.72	7.71	7.82	8.00	8.03	8.12	8.21	8.27	8.32	7.71	7.25	6.87	6.58	6.32	6.28	6.34	6.29	6.26	6.21	6.18	6.15	6.18	6.18	6.20	6.20	-0.9%	
Total	34.59	35.11	35.59	36.35	36.50	36.91	37.26	37.47	37.77	36.66	36.04	35.42	34.88	34.48	34.88	35.55	35.86	36.18	36.27	36.35	36.45	36.54	36.56	36.61	36.55	0.2%	

Table 6. Industrial Sector Key Indicators and Consumption (Quadrillion Btu per year, Unless otherwise noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Consumption / Unit of Output1/ (thousand Btu / 1987 dollar)																										
Purchased Electricity	0.91	0.89	0.89	0.90	0.89	0.89	0.89	0.88	0.87	0.83	0.81	0.78	0.76	0.75	0.74	0.74	0.73	0.73	0.72	0.71	0.71	0.70	0.70	0.69	0.69	-1.2%
Natural Gas 2/	2.62	2.58	2.62	2.65	2.57	2.52	2.48	2.43	2.37	2.41	2.41	2.42	2.38	2.34	2.26	2.18	2.14	2.12	2.10	2.07	2.07	2.02	2.00	1.98	1.97	-1.2%
Steam Coal	0.41	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.25	0.21	0.18	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	-3.9%
Metallurgical Coal & Coke 3/	0.22	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.20	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.12	-2.4%
Residual Fuel	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-0.7%
Distillate	0.31	0.30	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.27	0.27	-0.5%
Liquefied Petroleum Gas	0.56	0.54	0.53	0.52	0.52	0.51	0.51	0.50	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.46	0.46	0.45	0.45	0.44	0.44	0.43	0.43	-1.1%
Petrochemical Feedstocks	0.34	0.33	0.32	0.32	0.31	0.31	0.31	0.31	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.24	-1.3%
Other Petroleum 4/	1.13	1.10	1.09	1.11	1.10	1.09	1.07	1.05	1.03	0.99	0.99	0.94	0.91	0.90	0.90	0.91	0.90	0.89	0.89	0.90	0.88	0.89	0.88	0.88	0.88	-1.1%
Renewables 5/	0.48	0.48	0.48	0.47	0.47	0.47	0.47	0.46	0.46	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.41	-0.6%
Delivered Energy	7.06	6.93	6.93	6.96	6.85	6.76	6.68	6.57	6.45	6.27	6.18	6.07	5.96	5.89	5.80	5.70	5.62	5.57	5.53	5.48	5.44	5.38	5.33	5.28	5.24	-1.2%
Electricity Related Losses	2.03	1.95	1.95	1.97	1.93	1.91	1.89	1.86	1.82	1.67	1.56	1.46	1.39	1.32	1.27	1.24	1.20	1.17	1.14	1.12	1.10	1.10	1.08	1.08	1.07	-2.6%
Total	9.09	8.88	8.88	8.93	8.78	8.67	8.56	8.43	8.28	7.95	7.74	7.54	7.35	7.22	7.07	6.93	6.82	6.74	6.67	6.60	6.54	6.48	6.41	6.36	6.32	-1.5%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes lease and plant fuel and consumption by cogenerators, excludes consumption by nonutility generators.

3/ Includes net coke coal imports.

4/ Includes petroleum coke, asphalt, road oil, lubricants, motor gasoline, still gas, and miscellaneous petroleum products.

5/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.

Btu = British thermal unit.

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

Sources: 1996 prices for gasoline and distillate are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380(96/03-97/04) (Washington, DC, 1996-97). 1996 coal prices: EIA, Monthly Energy Review, DOE/EIA-0035(97/08) (Washington, DC, August 1997). 1996 electricity prices: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B. Other 1996 prices derived from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997). Other 1996 values: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/021494.pdf> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.



Table 8. Electricity Supply, Disposition, and Prices (Billion Kilowatthours, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
<b>Generation by Fuel Type</b>																										
<b>Electric Generators 1/</b>																										
Coal	1758	1811	1906	1907	1908	1905	1905	1908	1905	1504	1097	751	528	421	385	350	290	235	185	146	103	75	52	39	27	-16.0%
Petroleum	80	82	63	65	59	64	54	50	44	35	32	35	41	42	40	35	36	37	39	36	36	40	34	32	40	-2.9%
Natural Gas	288	264	315	358	366	434	487	533	600	863	1159	1381	1520	1616	1708	1799	1893	1974	2032	2084	2124	2141	2156	2160	2138	8.7%
Nuclear Power	675	644	656	679	684	689	694	698	699	698	702	702	695	694	693	692	690	686	687	688	689	689	689	688	694	0.1%
Pumped Storage	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	1.3%
Renewable Sources 2/	392	391	358	362	367	369	374	377	380	401	412	426	441	451	466	492	518	553	590	628	671	719	766	813	857	3.3%
Total	3191	3188	3294	3368	3381	3457	3510	3564	3624	3498	3399	3291	3221	3221	3288	3366	3424	3482	3530	3580	3620	3662	3694	3730	3752	0.7%
Non-Utility Gen. for Own Use	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	-0.8%
<b>Cogenerators 3/</b>																										
Coal	51	51	51	51	51	51	51	51	51	50	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	-0.2%
Petroleum	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	0.3%
Natural Gas	196	199	200	206	208	209	211	211	213	224	230	234	238	238	240	241	243	243	243	241	239	238	236	235	234	0.7%
Other Gaseous Fuels 4/	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0.0%
Renewable 2/	42	42	42	43	43	44	45	45	46	46	46	46	47	47	48	49	50	51	51	52	52	52	53	53	53	1.0%
Other 5/	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-0.0%
Total	305	309	310	317	319	321	323	325	327	337	342	347	350	351	353	357	359	360	360	359	358	356	355	354	353	0.6%
Sales to Utilities	156	159	159	159	159	160	160	160	161	162	163	163	164	164	165	165	165	166	166	166	165	165	165	165	165	0.2%
Generation for Own Use	149	150	151	158	160	162	163	165	166	175	180	183	186	187	189	192	193	195	195	193	192	191	190	189	188	1.0%
Net Imports 6/	38	34	32	25	78	77	78	74	75	21	13	12	10	11	10	9	8	6	5	4	4	4	4	4	4	-8.7%
<b>Electricity Sales by Sector</b>																										
Residential	1079	1058	1115	1130	1169	1201	1217	1234	1257	1193	1166	1140	1126	1130	1150	1171	1194	1212	1234	1258	1283	1301	1320	1341	1363	1.0%
Commercial	988	1000	1028	1052	1069	1083	1098	1114	1130	1064	1021	974	940	944	966	986	1005	1022	1041	1059	1069	1081	1089	1098	1104	0.5%
Industrial	1014	1036	1049	1074	1086	1109	1129	1145	1165	1129	1102	1076	1062	1053	1075	1108	1125	1142	1147	1153	1157	1163	1166	1169	1165	0.6%
Transportation	17	17	18	18	18	19	19	21	23	24	25	25	26	26	27	28	29	29	30	31	31	32	33	33	34	2.9%
Total	3098	3111	3210	3274	3342	3411	3463	3513	3575	3410	3313	3215	3155	3154	3219	3294	3353	3406	3452	3500	3541	3577	3607	3641	3665	0.7%
<b>End-Use Prices (1996 cents/kwh) 7/</b>																										
Residential	8.3	8.2	8.0	7.8	7.7	7.6	7.5	7.5	7.4	9.6	11.1	12.7	13.8	13.7	13.3	13.0	12.7	12.6	12.3	12.0	11.9	11.6	11.6	11.4	11.4	1.3%
Commercial	7.5	7.4	7.2	7.1	6.9	6.9	6.8	6.7	6.6	8.8	10.3	11.9	12.9	12.9	12.4	12.1	11.9	11.6	11.3	11.1	10.9	10.7	10.6	10.4	10.3	1.3%
Industrial	4.6	4.5	4.3	4.3	4.2	4.1	4.1	4.1	4.0	5.3	6.2	7.1	7.6	7.6	7.3	7.1	7.0	6.8	6.7	6.5	6.4	6.3	6.2	6.1	6.0	1.2%
Transportation	5.2	5.2	5.1	5.1	4.9	4.9	4.8	4.7	4.6	4.8	5.0	5.3	5.5	5.5	5.4	5.3	5.1	5.0	4.9	4.8	4.8	4.7	4.6	4.6	4.5	-0.6%
All Sectors Average	6.8	6.7	6.5	6.4	6.3	6.2	6.2	6.1	6.0	7.9	9.2	10.5	11.4	11.3	11.0	10.7	10.5	10.3	10.1	9.8	9.7	9.6	9.5	9.4	9.3	1.3%

1/ Includes grid-connected generation at all utilities and nonutilities except for cogenerators. Includes small power producers, exempt wholesale generators, and generators at industrial and commercial facilities which provide electricity for on-site use and for sales to utilities.

2/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar, and wind power.

3/ Cogenerators produce electricity and other useful thermal energy. Includes sales to utilities and generation for own use.

4/ Other gaseous fuels include refinery and still gas.

5/ Other includes hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

6/ In 1996 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

7/ Prices represent average revenue per kilowatthour.

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

Sources: 1996 commercial and transportation sales derived from: Total transportation plus commercial sales come from Energy Information Administration (EIA), State Energy Data Report 1994. Online. [ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf](http://ftp.eia.doe.gov/pub/state.data/021494.pdf) (August 26, 1997), but individual sectors do not match because sales taken from commercial and placed in transportation, according to Oak Ridge National Laboratories, Transportation Energy Data Book 16 (July 1996) which indicates the transportation value should be higher. 1996 generation by electric utilities, nonutilities, and cogenerators, net electricity imports, residential sales, and industrial sales: EIA, Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, DC, July 1997). 1996 residential electricity prices derived from EIA, Short Term Energy Outlook, August 1997, Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). 1996 electricity prices for commercial, industrial, and transportation; price components; and projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 9. Electricity Generating Capability (Thousand Megawatts)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Net Summer Capability 1/																										
Electric Generators 2/																										
Capability																										
Coal Steam	303.7	301.9	301.7	301.7	302.4	302.4	302.3	302.3	302.4	301.9	301.6	301.4	300.8	290.3	258.9	224.1	190.6	157.1	130.0	112.3	104.0	96.1	90.6	83.1	77.8	-5.5%
Other Fossil Steam 3/	136.6	136.0	135.8	135.7	135.5	135.2	134.9	132.9	129.7	124.4	119.7	111.7	108.1	108.0	108.0	107.1	104.3	102.2	98.8	93.8	85.7	81.8	78.2	73.3	71.1	-2.7%
Combined Cycle	15.2	15.8	16.5	16.5	22.1	31.9	40.8	49.6	61.6	78.5	100.7	123.0	146.4	170.0	191.3	212.0	232.4	250.1	265.1	278.2	290.0	301.0	309.2	316.1	321.4	13.5%
Combustion Turbine/Diesel	61.1	66.3	75.1	80.4	83.0	87.1	91.4	93.2	96.5	96.2	96.2	96.4	96.6	97.3	97.9	98.1	98.3	98.6	99.8	101.9	106.6	108.5	111.2	113.9	116.9	2.7%
Nuclear Power	100.8	99.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	95.4	95.4	95.4	95.4	95.4	94.7	94.2	94.2	93.4	93.4	93.4	93.4	93.4	93.4	-0.3%
Pumped Storage	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	-0.1%
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Renewable Sources 4/	87.8	88.0	88.5	90.2	90.7	91.3	92.4	93.3	94.0	97.0	99.9	103.8	108.0	111.0	114.9	120.5	126.6	134.3	142.1	149.5	157.2	166.2	174.5	182.8	191.0	3.3%
Total	725.0	726.9	733.7	740.5	749.6	763.9	777.8	787.3	800.3	814.0	834.0	851.5	875.1	891.8	886.2	877.1	866.7	856.4	849.6	848.5	856.4	866.5	876.6	882.1	891.1	0.9%
Cumulative Planned Additions 5/																										
Coal Steam	2.1	2.1	2.1	2.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.3%
Other Fossil Steam 3/	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.4%
Combined Cycle	2.0	2.2	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5%
Combustion Turbine/Diesel	3.8	4.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	1.3%
Nuclear Power	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	N/A
Pumped Storage	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	N/A
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Renewable Sources 4/	0.7	0.8	1.2	2.8	2.8	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	6.3%
Total	11.1	12.4	13.5	15.2	16.1	16.2	16.3	16.3	16.3	16.3	16.3	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	1.7%
Cumulative Unplanned Additions 5/																										
Coal Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Other Fossil Steam 3/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Combined Cycle	0.0	0.0	0.0	0.0	5.5	15.4	24.3	33.1	45.1	62.0	84.1	106.3	129.6	153.3	174.5	195.2	215.7	233.3	248.7	261.8	273.5	284.6	292.8	299.7	305.1	N/A
Combustion Turbine/Diesel	5.2	9.3	17.9	23.3	25.8	29.9	34.3	37.0	40.3	40.4	40.8	41.3	41.6	42.4	43.4	43.6	43.8	44.1	45.4	47.5	52.2	54.1	56.9	59.6	62.7	10.9%
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Renewable Sources 4/	0.8	0.9	0.9	0.9	1.3	1.8	2.7	3.6	4.4	7.3	10.3	14.2	18.3	21.2	25.2	31.0	37.1	44.9	52.8	60.1	67.9	77.0	85.2	93.7	101.8	22.2%
Total	6.0	10.1	18.8	24.2	32.6	47.1	61.3	73.7	89.8	109.7	135.3	161.7	189.5	216.9	243.1	269.9	296.5	322.4	346.9	369.4	393.7	415.7	434.9	453.0	469.6	19.9%
Cumulative Total Additions	17.1	22.6	32.3	39.4	48.7	63.3	77.6	90.0	106.1	126.0	151.6	178.3	206.2	233.5	259.8	286.5	313.2	339.0	363.6	386.1	410.4	432.4	451.5	469.7	486.3	15.0%
Cumulative Retirements 6/	15.2	20.4	23.7	23.9	24.3	24.5	25.1	28.0	31.3	37.5	43.2	52.4	56.6	67.3	99.1	135.0	172.1	208.2	239.6	263.1	279.6	290.9	300.0	312.6	320.2	13.5%

Table 9. Electricity Generating Capability (Thousand Megawatts)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Net Summer Capability 1/																										
Cogenerators 7/																										
Capability																										
Coal	9.2	9.2	9.7	9.8	9.8	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	0.3%
Petroleum	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.5%
Natural Gas	31.4	31.7	32.3	33.9	34.1	34.3	34.5	34.6	34.7	36.2	37.0	37.7	38.1	38.2	38.4	38.6	38.8	38.9	38.9	38.7	38.5	38.3	38.1	37.9	37.8	0.8%
Other Gaseous Fuels	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	-0.1%
Renewables 4/	5.9	5.9	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4	1.0%
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	48.8	49.1	50.8	52.6	52.9	53.2	53.4	53.6	53.9	55.3	56.0	56.6	57.1	57.1	57.5	58.0	58.3	58.5	58.5	58.4	58.2	58.0	57.9	57.7	57.6	0.7%
Cumulative Additions 5/	18.2	18.5	20.1	22.0	22.2	22.5	22.8	23.0	23.2	24.6	25.3	26.0	26.4	26.5	26.9	27.3	27.6	27.9	27.9	27.7	27.6	27.4	27.2	27.1	27.0	1.7%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand.

2/ Includes grid-connected utilities and nonutilities except for cogenerators. Includes small power producers, exempt wholesale generators, and generators at industrial and commercial facilities which produce electricity for on-site use and sales to utilities.

3/ Includes oil-, gas-, and dual-fired capability.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar and wind power.

5/ Cumulative additions after December 31, 1995. Non-zero utility planned additions in 1995 indicate units operational in 1995 but not supplying power to the grid.

6/ Cumulative total retirements from 1990.

7/ Nameplate capacity is reported for nonutilities on Form EIA-867, "Annual Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to the net summer capability based on historic relationships.

N/A = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO98. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity are the most recent data available as of August 25, 1997. Therefore, capacity estimates may differ from other Energy Information Administration sources.

Sources: 1996 net summer capability at electric utilities and planned additions: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report." Net summer capability for nonutilities and cogeneration in 1996 and planned additions estimated based on EIA, Form EIA-867, "Annual Nonutility Power Producer Report." Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 10. Electricity Trade (Billion Kilowatthours, Unless Otherwise Noted)																								1996-2020			
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Interregional Electricity Trade																											
Gross Domestic Firm Power Sales	173.4	167.9	161.7	159.9	149.3	143.4	142.7	141.4	141.6	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	-0.9%	
Gross Domestic Economy Sales	55.0	72.3	73.5	74.7	72.8	74.9	73.8	77.2	95.5	51.8	30.7	20.9	35.0	42.2	39.6	43.9	53.5	65.7	70.4	72.8	81.6	75.3	70.8	70.5	64.5	0.7%	
Gross Domestic Trade	228.4	240.2	235.2	234.6	222.2	218.3	216.4	218.6	237.2	191.0	169.9	160.1	174.2	181.4	178.8	183.1	192.7	204.9	209.6	212.0	220.9	214.5	210.0	209.7	203.7	-0.5%	
Gross Domestic Firm Power Sales (million 1996 dollars)																											
Gross Domestic Firm Power Sales (million 1996 dollars)	8050.2	7794.6	7506.7	7425.0	6932.3	6655.6	6623.3	6563.1	6575.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	6462.9	-0.9%
Gross Domestic Economy Sales (million 1996 dollars)																											
Gross Domestic Economy Sales (million 1996 dollars)	1299.0	1613.1	1545.1	1604.6	1569.5	1610.6	1575.3	1642.8	2041.0	2204.0	1861.6	1676.6	3223.2	3717.9	3356.4	3389.7	3848.9	4746.7	4798.5	4925.2	5418.2	4861.7	4473.2	4355.2	3901.1	4.7%	
Gross Domestic Sales (million 1996 dollars)																											
Gross Domestic Sales (million 1996 dollars)	9349.3	9407.7	9051.8	9029.6	8501.8	8266.2	8198.6	8205.9	8616.9	8666.9	8324.5	8139.5	9686.1	10181	9819.3	9853	10312	11210	11261	11388	11881	11325	10936	10818	10364	0.4%	
International Electricity Trade																											
Firm Power Imp. From Can.&Mex 1/																											
Firm Power Imp. From Can.&Mex 1/	26.1	22.1	21.5	19.8	71.0	62.9	62.7	62.7	61.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	-6.2%
Economy Imp. From Can. & Mex. 1/																											
Economy Imp. From Can. & Mex. 1/	20.7	20.9	20.3	20.4	22.2	29.3	29.8	31.6	33.1	35.8	27.6	27.2	25.3	26.5	25.2	24.6	23.1	21.6	20.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6	-0.2%
Gross Imp. From Canada & Mex. 1/																											
Gross Imp. From Canada & Mex. 1/	46.8	43.0	41.7	40.2	93.2	92.2	92.6	94.3	94.8	41.5	33.2	32.9	30.9	32.1	30.8	30.2	28.7	27.2	26.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	-2.5%
Firm Power Exports To Can. & Mex.																											
Firm Power Exports To Can. & Mex.	2.8	2.7	3.7	8.8	8.3	8.3	8.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	6.7%
Economy Exports To Canada & Mex																											
Economy Exports To Canada & Mex	6.4	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	0.7%
Gross Exports To Canada & Mex																											
Gross Exports To Canada & Mex	9.3	8.8	9.9	15.1	14.7	14.8	15.0	20.1	20.2	20.3	20.5	20.6	20.7	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	3.5%

1/ Historically electric imports were primarily from renewable resources, principally hydroelectric.

Note: Totals may not equal sum of components due to independent rounding. Firm Power Sales are capacity sales, meaning the delivery of the power is scheduled as part of the normal operating conditions of the affected electric systems. Economy Sales are subject to curtailment or cessation of delivery by the supplier in accordance with prior agreements or under specified conditions.

Sources: 1996 interregional electricity trade data: Energy Information Administration (EIA), Bulk Power Data System. 1996 international electricity trade data: DOE Form FE-718R, "Annual Report of International Electrical Export/Import Data." Firm/economy share: National Energy Board, Annual Report 1993. Planned interregional and international firm power sales: DOE Form IE-411, "Coordinated Bulk Power Supply Program Report," April 1995. Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 11. Petroleum Supply and Disposition Balance (Million Barrels per Day, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Crude Oil																										
Domestic Crude Production	6.48	6.41	6.39	6.34	6.27	6.19	6.12	6.08	6.04	6.00	5.95	5.90	5.84	5.76	5.67	5.58	5.49	5.40	5.30	5.19	5.09	5.00	4.90	4.81	4.73	-1.3%
Alaska	1.40	1.30	1.21	1.17	1.13	1.09	1.05	1.02	0.97	0.93	0.89	0.86	0.82	0.78	0.74	0.71	0.67	0.64	0.61	0.58	0.56	0.53	0.51	0.49	0.47	-4.5%
Lower 48 States	5.08	5.11	5.18	5.16	5.13	5.09	5.07	5.07	5.07	5.07	5.06	5.04	5.02	4.98	4.93	4.87	4.81	4.76	4.69	4.61	4.53	4.46	4.39	4.33	4.27	-0.7%
Net Imports	7.40	7.81	7.94	8.75	8.83	9.22	9.36	9.48	9.59	9.63	9.62	9.44	9.06	8.83	9.24	9.80	9.95	10.09	10.13	10.34	10.52	10.56	10.75	10.83	11.12	1.7%
Gross Imports	7.51	7.91	8.04	8.90	8.98	9.37	9.51	9.60	9.74	9.73	9.72	9.50	9.18	8.96	9.35	9.85	10.07	10.15	10.18	10.39	10.61	10.61	10.84	10.83	11.12	1.6%
Exports	0.11	0.10	0.10	0.15	0.15	0.15	0.15	0.12	0.15	0.10	0.10	0.06	0.12	0.13	0.11	0.05	0.12	0.06	0.05	0.05	0.09	0.05	0.10	0.00	0.00	N/A
Other Crude Supply 2/	0.33	0.22	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Crude Supply	13.87	14.22	14.33	15.08	15.10	15.41	15.48	15.56	15.63	15.63	15.57	15.34	14.90	14.58	14.91	15.38	15.44	15.49	15.43	15.53	15.61	15.56	15.65	15.65	15.85	0.6%
Natural Gas Plant Liquids	1.83	1.84	1.86	1.85	1.82	1.81	1.85	1.86	1.89	2.01	2.17	2.27	2.30	2.31	2.33	2.37	2.41	2.45	2.48	2.50	2.53	2.52	2.52	2.53	2.51	1.3%
Other Inputs 3/	0.39	0.32	0.30	0.27	0.28	0.28	0.28	0.28	0.28	0.23	0.24	0.28	0.43	0.43	0.43	0.45	0.47	0.49	0.54	0.55	0.51	0.48	0.48	0.49	0.49	0.9%
Refinery Processing Gain 4/	0.84	0.84	0.86	0.80	0.81	0.84	0.84	0.85	0.85	0.82	0.80	0.77	0.80	0.72	0.72	0.71	0.69	0.69	0.68	0.68	0.77	0.67	0.69	0.69	0.69	-0.8%
Net Product Imports 5/	1.10	1.24	1.35	1.32	1.59	1.61	1.73	1.85	2.01	1.75	1.43	1.07	0.89	1.13	1.09	0.92	1.00	1.08	1.29	1.35	1.31	1.72	1.74	1.82	1.74	1.9%
Gross Refined Prod. Imports	1.39	1.49	1.58	1.52	1.79	1.78	1.86	1.99	2.10	1.85	1.54	1.24	1.16	1.52	1.49	1.28	1.34	1.46	1.70	1.73	1.33	2.03	1.87	1.89	1.74	0.9%
Unfinished Oil Imports	0.37	0.39	0.41	0.57	0.57	0.63	0.64	0.67	0.70	0.66	0.65	0.52	0.40	0.27	0.30	0.34	0.37	0.33	0.30	0.37	0.72	0.44	0.61	0.68	0.74	3.0%
Ethers Imported	0.05	0.05	0.05	0.02	0.04	0.03	0.05	0.05	0.05	0.05	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Blending Components	0.17	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Exports	0.87	0.85	0.85	0.79	0.81	0.84	0.82	0.85	0.85	0.81	0.81	0.71	0.67	0.66	0.70	0.71	0.71	0.71	0.72	0.74	0.74	0.75	0.75	0.75	0.74	-0.7%
Total Primary Supply 6/	18.03	18.46	18.71	19.32	19.60	19.95	20.18	20.40	20.67	20.45	20.21	19.73	19.31	19.17	19.48	19.81	20.01	20.20	20.42	20.62	20.72	20.95	21.08	21.17	21.28	0.7%
Refined Petrol. Products Supp.																										
Motor Gasoline 7/	7.99	8.12	8.25	8.39	8.52	8.66	8.78	8.89	9.00	8.93	8.74	8.44	8.08	7.89	7.89	7.89	7.90	7.93	8.00	8.07	8.12	8.19	8.26	8.32	8.37	0.2%
Jet Fuel 8/	1.58	1.61	1.63	1.80	1.84	1.88	1.93	1.98	2.05	2.06	2.02	1.95	1.91	1.93	2.02	2.10	2.17	2.22	2.30	2.36	2.41	2.46	2.51	2.55	2.58	2.1%
Distillate Fuel 9/	3.32	3.48	3.52	3.56	3.61	3.67	3.72	3.76	3.81	3.73	3.69	3.65	3.64	3.64	3.70	3.77	3.82	3.86	3.89	3.90	3.91	3.94	3.92	3.91	3.92	0.7%
Residual Fuel	0.90	0.92	0.82	0.84	0.84	0.87	0.83	0.83	0.83	0.81	0.80	0.81	0.84	0.85	0.90	0.90	0.91	0.92	0.92	0.93	0.93	0.94	0.95	0.96	0.97	0.3%
Other 10/	4.66	4.70	4.70	4.77	4.84	4.91	4.95	4.99	5.04	4.97	4.99	4.91	4.88	4.88	5.01	5.18	5.25	5.31	5.34	5.40	5.38	5.46	5.46	5.48	5.47	N/A
Total	18.45	18.83	18.92	19.37	19.65	20.00	20.23	20.45	20.72	20.49	20.25	19.77	19.35	19.20	19.51	19.85	20.04	20.24	20.45	20.65	20.76	20.98	21.10	21.21	21.31	0.6%
Refined Petrol. Products Supp.																										
Residential and Commercial	1.13	1.13	1.10	1.09	1.08	1.07	1.07	1.06	1.06	1.00	0.96	0.91	0.88	0.87	0.87	0.87	0.87	0.86	0.87	0.87	0.87	0.86	0.86	0.86	0.86	-1.2%
Industrial 11/	4.87	4.91	4.90	4.97	5.05	5.13	5.16	5.20	5.25	5.18	5.21	5.14	5.11	5.12	5.30	5.49	5.56	5.63	5.66	5.71	5.70	5.77	5.77	5.78	5.76	0.7%
Transportation	12.12	12.42	12.65	13.02	13.26	13.52	13.76	13.98	14.22	14.16	13.95	13.58	13.18	13.03	13.18	13.34	13.46	13.60	13.78	13.94	14.07	14.21	14.35	14.46	14.56	0.8%
Electric Generators 12/	0.33	0.37	0.28	0.28	0.26	0.28	0.24	0.22	0.19	0.15	0.13	0.15	0.17	0.18	0.17	0.15	0.14	0.14	0.15	0.13	0.13	0.14	0.12	0.11	0.14	-3.6%
Total	18.45	18.83	18.92	19.37	19.65	20.00	20.23	20.45	20.72	20.49	20.25	19.77	19.35	19.20	19.51	19.85	20.04	20.24	20.45	20.65	20.76	20.98	21.10	21.21	21.31	0.6%
Discrepancy 13/	-0.42	-0.37	-0.22	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.04	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.04	-0.03	-0.02	-0.04	-0.04	-9.8%



Table 11. Petroleum Supply and Disposition Balance (Million Barrels per Day, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
World Oil Price (1996 \$/bbl)14/	20.48	18.16	17.98	18.50	19.04	19.32	19.45	19.73	19.92	19.89	19.56	19.14	18.61	18.05	17.54	17.64	17.68	17.79	17.85	17.89	17.92	18.07	18.14	18.27	18.38	-0.5%
Imp. Share of Product	0.46	0.48	0.49	0.52	0.53	0.54	0.55	0.55	0.56	0.56	0.55	0.53	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.59	0.59	0.60	0.60	1.1%
Net Expenditures for Imp.																										
& Petr.Prod.(billion 96\$ /year)	62.27	58.72	61.82	68.04	72.35	76.15	79.13	82.27	85.44	83.98	79.07	73.92	67.94	65.22	65.92	68.57	70.19	72.13	74.08	76.04	77.56	80.60	82.48	84.11	85.88	1.3%
Domestic Refinery Distill. Cap.	15.4	15.5	15.6	16.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	0.3%
Capacity Utilization Rate (%)	94.0	94.0	95.0	93.7	92.5	94.1	94.5	94.8	95.3	95.3	94.9	93.5	90.8	88.9	90.9	93.7	94.1	94.2	93.8	94.3	94.5	94.0	94.5	94.1	95.2	0.1%

1/ Includes lease condensate.

2/ Strategic petroleum reserve stock additions plus unaccounted for crude oil and crude stock withdrawals minus crude products supplied.

3/ Includes alcohols, ethers, petroleum product stock withdrawals, domestic sources of blending components, and other hydrocarbons.

4/ Represents volumetric gain in refinery distillation and cracking processes.

5/ Includes net imports of finished petroleum products, unfinished oils, other hydrocarbons, alcohols, ethers, and blending components.

6/ Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net petroleum imports.

7/ Includes ethanol and ethers blended into gasoline.

8/ Includes naphtha and kerosene types.

9/ Includes distillate and kerosene.

10/ Includes aviation gasoline, liquefied petroleum gas, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, and miscellaneous petroleum products.

11/ Includes consumption by cogenerators.

12/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

13/ Balancing item. Includes unaccounted for supply, losses and gains.

14/ Average refiner acquisition cost for imported crude oil.

N/A = Not applicable.

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

Sources: 1996 expenditures for imported crude oil and petroleum products based on internal calculations. 1996 product supplied data from Table 2. Other 1996 data: Energy Information Administration (EIA), Petroleum Supply Annual 1996, DOE/EIA-0340(96) (Washington, DC, June 1997) Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 12. Petroleum Product Prices (1996 Cents Per Gallon, Unless Otherwise Noted)																									1996-2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
World Oil Price (\$/bbl)	20.48	18.16	17.98	18.50	19.04	19.32	19.45	19.73	19.92	19.89	19.56	19.14	18.61	18.05	17.54	17.64	17.68	17.79	17.85	17.89	17.92	18.07	18.14	18.27	18.38	-0.5%
Delivered Sector Product Prices																										
Residential																										
Distillate Fuel	98.4	96.5	91.5	99.9	100.9	101.4	101.9	103.0	104.4	132.0	152.8	177.4	196.5	197.6	192.0	189.1	189.6	189.3	186.6	184.1	184.2	183.0	183.4	183.2	181.2	2.6%
Liquefied Petroleum Gas	100.0	97.0	96.8	98.4	100.3	101.6	101.8	103.4	104.8	117.9	127.1	140.2	148.2	147.8	144.9	144.1	144.9	145.0	143.9	142.9	143.2	142.1	142.4	142.0	141.5	1.5%
Commercial																										
Distillate Fuel	73.1	69.4	68.9	69.2	70.1	70.6	71.1	72.3	73.8	101.4	121.9	146.5	165.5	166.7	161.2	158.4	159.0	158.6	155.9	153.6	153.6	152.4	152.7	152.6	150.5	3.1%
Residual Fuel	48.4	47.1	47.2	44.7	44.8	46.0	45.7	46.9	46.4	78.5	102.4	132.9	155.2	155.2	150.0	147.2	147.7	147.5	146.1	142.4	142.7	140.5	140.1	141.1	139.6	4.5%
Residual Fuel(\$/bbl)	20.35	19.80	19.80	18.76	18.84	19.33	19.20	19.71	19.49	32.95	43.00	55.83	65.18	65.18	63.01	61.82	62.02	61.97	61.38	59.83	59.94	59.00	58.84	59.28	58.65	4.5%
Industrial 1/																										
Distillate Fuel	76.3	70.5	70.1	69.8	70.5	70.9	71.8	73.2	74.8	102.4	122.5	147.2	166.1	167.6	162.2	159.7	160.3	159.9	157.3	155.1	155.2	154.0	154.3	154.2	152.1	2.9%
Liquefied Petroleum Gas	67.3	48.7	48.6	52.5	54.2	55.4	55.6	57.1	58.3	71.1	79.8	93.0	101.0	100.5	98.1	97.3	97.9	97.8	96.5	95.4	95.9	94.6	94.9	94.5	93.8	1.4%
Residual Fuel	44.8	40.2	40.3	37.8	38.3	39.2	39.5	40.5	40.9	73.4	97.3	126.8	149.0	150.5	144.5	141.9	142.3	141.6	139.0	135.9	135.8	134.4	134.2	134.6	133.4	4.7%
Residual Fuel(\$/bbl)	18.81	16.88	16.93	15.86	16.10	16.47	16.58	17.03	17.19	30.84	40.87	53.27	62.59	63.21	60.70	59.59	59.77	59.46	58.37	57.06	57.03	56.45	56.37	56.55	56.04	4.7%
Transportation																										
Diesel Fuel (Distillate) 2/	123.5	116.1	113.4	114.2	114.4	114.5	114.9	116.0	117.8	144.1	163.6	186.9	204.5	205.2	199.5	196.4	196.7	196.0	193.3	190.5	190.2	189.1	188.9	188.4	185.1	1.7%
Jet Fuel 3/	74.6	64.9	64.5	66.0	67.4	68.6	69.5	70.6	72.3	98.0	116.6	139.1	155.6	156.5	151.1	149.2	149.7	149.8	147.4	145.3	145.6	144.8	145.2	145.7	144.9	2.8%
Motor Gasoline 4/	122.5	118.6	116.2	117.3	118.7	120.0	120.6	121.8	122.9	146.8	163.5	182.2	196.8	197.1	191.6	189.6	189.0	188.1	185.3	183.1	182.6	182.0	181.7	182.0	180.2	1.6%
Liquid Petroleum Gas	109.0	109.2	108.9	107.9	109.6	110.5	110.4	111.6	112.7	125.2	133.9	146.3	153.9	153.0	149.8	148.7	149.1	149.0	147.5	146.2	146.2	144.8	144.8	144.1	143.4	1.1%
Residual Fuel	38.2	38.3	38.3	35.9	37.1	37.9	38.0	38.8	40.2	72.5	96.9	126.1	148.4	150.3	144.7	142.2	142.9	142.5	139.6	136.2	136.2	135.1	135.0	135.3	134.1	5.4%
Residual Fuel(\$/bbl)	16.04	16.09	16.09	15.09	15.56	15.90	15.96	16.31	16.87	30.45	40.68	52.97	62.33	63.14	60.76	59.71	60.02	59.85	58.65	57.22	57.19	56.73	56.69	56.81	56.32	5.4%
E85	141.7	141.8	141.8	138.5	141.5	141.7	143.2	144.3	145.3	150.1	152.2	170.4	181.4	181.4	175.4	174.9	172.1	171.3	169.6	167.8	168.4	169.0	170.2	170.0	170.7	0.8%
M85	89.6	89.6	89.7	87.2	88.8	90.0	89.8	90.5	93.3	104.2	113.2	123.6	129.6	129.3	126.0	125.0	126.8	126.4	125.1	123.8	123.5	123.3	123.2	123.4	122.6	1.3%
Electric Generators 5/																										
Distillate Fuel	68.1	63.5	63.1	63.4	64.2	64.7	65.5	66.8	68.5	96.9	117.8	141.1	159.0	159.9	154.5	152.3	152.7	152.0	149.2	147.1	147.1	145.7	146.3	146.2	144.0	3.2%
Residual Fuel	45.9	41.0	41.0	40.7	41.8	42.1	42.9	44.2	45.4	79.1	104.3	134.0	156.2	158.2	153.3	151.4	152.6	153.5	151.6	149.9	151.1	151.0	151.0	152.5	150.5	5.1%
Residual Fuel(\$/bbl)	19.28	17.24	17.20	17.11	17.57	17.69	18.02	18.56	19.07	33.23	43.82	56.28	65.62	66.44	64.40	63.61	64.11	64.47	63.66	62.96	63.44	63.42	63.44	64.06	63.22	5.1%
Refined Petroleum Prod. Prices 6/																										
Distillate Fuel 2/	108.7	103.2	101.1	102.6	103.2	103.4	104.0	105.2	107.0	133.9	153.7	177.4	195.2	196.0	190.3	187.3	187.6	187.0	184.1	181.5	181.2	179.9	180.0	179.7	176.5	2.0%
Jet Fuel 3/	74.6	64.9	64.5	66.0	67.4	68.6	69.5	70.6	72.3	98.0	116.6	139.1	155.6	156.5	151.1	149.2	149.7	149.8	147.4	145.3	145.6	144.8	145.2	145.7	144.9	2.8%
Liquefied Petroleum Gas	73.6	58.1	58.1	61.7	63.5	64.8	65.2	66.9	68.3	81.3	90.2	103.3	111.1	110.7	108.1	107.2	107.8	107.8	106.6	105.7	106.1	105.0	105.3	104.9	104.5	1.5%
Motor Gasoline 4/	122.5	118.6	116.2	117.1	118.4	119.7	120.4	121.6	122.7	146.6	163.3	182.0	196.6	196.9	191.4	189.4	188.8	187.9	185.2	182.9	182.4	181.8	181.5	181.9	180.1	1.6%
Residual Fuel	42.5	40.2	40.0	38.2	39.0	39.8	39.9	40.8	41.7	74.1	98.4	127.9	150.2	151.9	146.1	143.5	144.1	143.6	140.8	137.5	137.3	136.1	135.9	136.2	135.0	4.9%
Residual Fuel(\$/bbl)	17.87	16.89	16.79	16.04	16.40	16.70	16.77	17.14	17.52	31.13	41.33	53.71	63.09	63.80	61.37	60.26	60.51	60.30	59.15	57.73	57.67	57.15	57.07	57.21	56.69	4.9%
Average	102.8	96.6	95.3	96.5	97.7	98.6	99.4	100.6	101.9	125.0	141.3	160.3	174.3	174.4	169.1	166.7	166.6	166.0	163.6	161.4	161.3	160.4	160.4	160.5	158.9	1.8%

1/ Includes cogenerators. Includes Federal and State taxes while excluding county and state taxes.

2/ Low sulfur diesel fuel. Includes Federal and State taxes while excluding county and local taxes.

3/ Kerosene-type jet fuel.

4/ Sales weighted-average price for all grades. Includes Federal and State taxes while excluding county and local taxes.

5/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

6/ Weighted averages of end-use fuel prices are derived from the prices in each sector and the corresponding sectoral consumption.

Sources: 1996 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380(96/03-97/04) (Washington, DC, 1996-97). 1996 prices for all other petroleum products are derived from EIA, State Energy Price and Expenditures Report: 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 13. Natural Gas Supply and Disposition (Trillion Cubic Feet per Year)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Production																										
Dry Gas Production 1/	19.02	18.37	18.70	19.95	19.63	19.65	20.07	20.32	20.73	22.10	23.85	25.02	25.36	25.46	25.78	26.15	26.62	27.10	27.41	27.62	27.93	27.84	27.90	27.91	27.74	1.6%
Supplemental Natural Gas 2/	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-3.0%
Net Imports	2.72	3.03	3.21	3.67	3.89	4.36	4.43	4.52	4.66	5.07	5.36	5.53	5.61	5.64	5.68	5.73	5.80	5.86	5.92	5.99	6.04	6.06	6.07	6.08	6.10	3.4%
Canada	2.76	3.03	3.17	3.59	3.78	4.23	4.23	4.24	4.28	4.50	4.76	4.93	4.96	5.00	5.03	5.07	5.14	5.19	5.25	5.31	5.36	5.38	5.39	5.40	5.41	2.8%
Mexico	-0.02	-0.01	-0.02	-0.02	-0.01	0.00	0.04	0.08	0.15	0.30	0.31	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.36	N/A
Liquefied Natural Gas	-0.03	0.01	0.05	0.10	0.12	0.14	0.16	0.20	0.23	0.27	0.29	0.29	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	N/A
Total Supply	21.86	21.52	22.03	23.73	23.63	24.12	24.61	24.94	25.50	27.28	29.32	30.66	31.08	31.19	31.51	31.93	32.48	33.02	33.39	33.68	34.03	33.96	34.04	34.05	33.90	1.8%
Consumption by Sector																										
Residential	5.23	4.92	5.11	5.21	5.24	5.25	5.29	5.31	5.36	5.01	4.80	4.59	4.45	4.39	4.38	4.38	4.39	4.40	4.44	4.46	4.48	4.49	4.50	4.51	4.55	-0.6%
Commercial	3.20	3.18	3.31	3.35	3.38	3.40	3.44	3.46	3.50	3.24	3.03	2.77	2.57	2.54	2.57	2.59	2.59	2.61	2.65	2.69	2.70	2.72	2.73	2.74	2.76	-0.6%
Industrial 3/	8.43	8.66	8.92	9.14	9.07	9.10	9.15	9.13	9.14	9.37	9.38	9.45	9.37	9.23	9.16	9.17	9.25	9.33	9.33	9.28	9.41	9.28	9.28	9.27	9.26	0.4%
Electric Generators 4/	2.98	2.65	3.21	3.63	3.57	3.98	4.30	4.57	4.98	6.95	9.32	10.96	11.76	12.08	12.39	12.73	13.13	13.50	13.74	13.97	14.14	14.16	14.20	14.19	14.01	6.7%
Lease and Plant Fuel 5/	1.25	1.27	1.29	1.35	1.33	1.33	1.35	1.36	1.39	1.46	1.54	1.60	1.62	1.63	1.65	1.67	1.70	1.73	1.75	1.77	1.79	1.79	1.80	1.80	1.79	1.5%
Pipeline Fuel	0.71	0.74	0.75	0.77	0.74	0.74	0.74	0.75	0.76	0.81	0.85	0.88	0.89	0.90	0.92	0.94	0.96	0.99	1.01	1.02	1.03	1.03	1.03	1.04	1.02	1.5%
Transportation 6/	0.01	0.02	0.02	0.04	0.06	0.08	0.11	0.13	0.15	0.17	0.18	0.18	0.19	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.25	0.26	0.27	0.27	0.28	14.0%
Total	21.82	21.43	22.61	23.49	23.39	23.89	24.38	24.71	25.27	27.01	29.09	30.44	30.85	30.96	31.28	31.70	32.25	32.79	33.15	33.44	33.80	33.73	33.80	33.82	33.67	1.8%
Discrepancy 7/	0.04	0.10	-0.58	0.24	0.23	0.23	0.23	0.23	0.23	0.27	0.23	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	N/A

1/ Marketed production (wet) minus extraction losses.

2/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

5/ Represents natural gas used in the field gathering and processing plant machinery.

6/ Compressed natural gas used as vehicle fuel.

7/ Balancing item. Natural gas lost as a result of converting flow data measured at varying temperatures and pressures to a standard temperature and pressure and the merger of different data reporting systems which vary in scope, format, definition, and respondent type. In addition, 1996 values include net storage injections.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors.

Sources: 1996 supplemental natural gas: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). 1996 imports and drygas production derived from: EIA, Natural Gas Annual 1996, DOE/EIA-0131(96) (Washington, DC, November 1997). 1996 transportation sector consumption: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B. Other 1996 consumption: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997) with adjustments to end-use sector consumption levels for consumption of natural gas by electric wholesale generators based on EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B. Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 14. Natural Gas Prices, Margins and Revenues (1996 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Source Price																										
Aver. Lower 48 Well. Price1/	2.24	2.25	2.10	2.13	2.12	2.11	2.12	2.13	2.15	2.24	2.43	2.62	2.77	2.90	3.03	3.17	3.27	3.36	3.43	3.47	3.50	3.51	3.53	3.53	3.53	1.9%
Average Import Price	1.98	2.05	1.86	2.00	1.87	2.07	2.02	2.10	2.08	2.23	2.44	2.67	2.80	2.95	3.07	3.17	3.30	3.38	3.43	3.47	3.53	3.56	3.59	3.57	3.57	2.5%
Average 2/	2.21	2.22	2.06	2.11	2.07	2.10	2.10	2.13	2.14	2.24	2.43	2.63	2.78	2.91	3.04	3.17	3.28	3.37	3.43	3.47	3.50	3.52	3.54	3.53	3.54	2.0%
Delivered Prices																										
Residential	6.37	6.48	6.07	5.99	5.92	5.94	5.86	5.86	5.81	7.52	8.96	10.57	11.81	12.08	11.98	11.99	12.10	12.10	11.97	11.84	11.86	11.82	11.81	11.80	11.70	2.6%
Commercial	5.43	5.47	5.08	5.05	4.98	5.02	4.95	4.94	4.89	6.58	8.02	9.65	10.91	11.17	11.03	11.00	11.09	11.07	10.92	10.75	10.73	10.65	10.60	10.55	10.42	2.7%
Industrial 3/	3.05	3.10	2.77	2.80	2.79	2.82	2.83	2.88	2.86	4.49	5.90	7.46	8.69	8.97	8.90	8.92	9.04	9.08	8.99	8.88	8.89	8.87	8.86	8.85	8.75	4.5%
Electric Generators 4/	2.70	2.71	2.49	2.63	2.55	2.59	2.63	2.66	2.67	4.33	5.75	7.35	8.58	8.88	8.82	8.86	9.00	9.04	8.96	8.85	8.86	8.81	8.79	8.76	8.66	5.0%
Transportation 5/	5.57	6.66	6.08	5.85	5.71	5.72	5.71	5.78	5.87	7.62	9.20	10.94	12.30	12.69	12.67	12.74	12.87	12.89	12.78	12.65	12.66	12.63	12.62	12.63	12.56	3.4%
Average 6/	4.26	4.29	3.92	3.91	3.87	3.88	3.85	3.87	3.83	5.36	6.67	8.18	9.38	9.65	9.57	9.59	9.70	9.73	9.63	9.51	9.52	9.48	9.46	9.44	9.35	3.3%
Trans.&Distr.Margins by Sect. 7/																										
Residential	4.17	4.25	4.00	3.88	3.84	3.84	3.76	3.73	3.67	5.28	6.53	7.94	9.03	9.17	8.95	8.83	8.82	8.74	8.55	8.37	8.35	8.30	8.27	8.27	8.17	2.8%
Commercial	3.23	3.24	3.02	2.95	2.91	2.91	2.84	2.81	2.76	4.34	5.59	7.02	8.14	8.25	7.99	7.84	7.81	7.71	7.49	7.28	7.23	7.13	7.06	7.02	6.88	3.2%
Industrial 3/	0.84	0.88	0.71	0.69	0.72	0.72	0.73	0.75	0.72	2.25	3.47	4.83	5.91	6.06	5.86	5.75	5.76	5.71	5.57	5.42	5.39	5.35	5.32	5.31	5.21	7.9%
Electric Generators 4/	0.49	0.49	0.43	0.52	0.47	0.49	0.52	0.54	0.53	2.09	3.32	4.72	5.81	5.97	5.78	5.69	5.72	5.67	5.53	5.38	5.35	5.29	5.25	5.23	5.13	10.2%
Transportation 5/	3.37	4.44	4.02	3.74	3.64	3.62	3.61	3.66	3.73	5.38	6.77	8.31	9.53	9.78	9.64	9.57	9.59	9.53	9.35	9.18	9.15	9.10	9.08	9.09	9.02	4.2%
Average 6/	2.05	2.07	1.86	1.80	1.80	1.78	1.75	1.74	1.69	3.12	4.24	5.55	6.60	6.74	6.53	6.42	6.42	6.36	6.20	6.05	6.01	5.96	5.93	5.91	5.81	4.4%
Transmission & Distr. Revenue (billion 1996 dollars)																										
Residential	21.81	20.91	20.45	20.18	20.16	20.13	19.87	19.82	19.66	26.47	31.34	36.45	40.22	40.25	39.19	38.65	38.74	38.47	37.94	37.33	37.42	37.23	37.25	37.32	37.14	2.2%
Commercial	10.34	10.32	9.99	9.86	9.83	9.90	9.77	9.74	9.64	14.07	16.91	19.45	20.93	20.96	20.55	20.30	20.24	20.12	19.86	19.59	19.51	19.40	19.31	19.22	18.98	2.6%
Industrial 3/	7.10	7.59	6.32	6.33	6.50	6.53	6.69	6.88	6.55	21.08	32.54	45.66	55.34	55.98	53.72	52.74	53.27	53.26	51.95	50.29	50.66	49.60	49.37	49.25	48.29	8.3%
Electric Generators 4/	1.47	1.29	1.37	1.90	1.69	1.94	2.25	2.46	2.66	14.52	30.90	51.71	68.30	72.07	71.58	72.44	75.03	76.58	75.95	75.23	75.70	74.91	74.58	74.16	71.82	17.6%
Transportation 5/	0.04	0.07	0.09	0.13	0.20	0.29	0.38	0.47	0.56	0.90	1.21	1.53	1.80	1.89	1.93	2.00	2.09	2.16	2.21	2.25	2.32	2.37	2.43	2.49	2.51	18.8%
Total	40.76	40.19	38.22	38.40	38.38	38.80	38.96	39.36	39.07	77.04	112.9	154.81	186.58	191.16	186.97	186.13	189.36	190.58	187.91	184.69	185.61	183.51	182.93	182.45	178.74	6.4%

1/ Represents lower 48 onshore and offshore supplies.

2/ Quantity-weighted average of the average lower 48 wellhead price and the average price of imports at the U.S. border.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

5/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

6/ Weighted average prices and margins. Weights used are the sectoral consumption values excluding lease, plant, and pipeline fuel.

7/ Within the table, "transmission and distribution" margins equal the difference between the delivered price and the source price (average of the wellhead price and the price of imports at the U.S. border) of natural gas and, thus, reflect the total cost of bringing natural gas to market. When the term "transmission and distribution" margins is used in today's natural gas market, it generally does not include the cost of independent natural gas marketers or costs associated with aggregation of supplies, provisions of storage, and other services. As used here, the term includes the cost of all services and the cost of pipeline fuel used in compressor stations.

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

Sources: 1996 industrial delivered prices based on Energy Information Administration (EIA), Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial delivered prices, average lower 48 wellhead price, and average import price: EIA, Natural Gas Monthly, DOE/EIA-0130(97/06) (Washington, DC, June 1997) Other 1996 values, and projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 15. Oil and Gas Supply																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Crude Oil																										
Lower 48 Aver. Wellhead Price 1/ (1996\$ per barrel)	19.41	17.23	17.10	17.66	18.22	18.59	18.84	19.16	19.31	19.31	18.96	18.45	17.86	17.24	16.68	16.73	16.75	16.85	16.91	17.06	17.11	17.14	17.21	17.39	17.35	-0.5%
Production(mill. barrels/day) 2/																										
U.S. Total	6.48	6.41	6.39	6.34	6.27	6.19	6.12	6.08	6.04	6.00	5.95	5.90	5.84	5.76	5.67	5.58	5.49	5.40	5.30	5.19	5.09	5.00	4.90	4.81	4.73	-1.3%
Lower 48 Onshore	3.76	3.72	3.66	3.59	3.52	3.45	3.40	3.39	3.38	3.38	3.38	3.38	3.39	3.37	3.35	3.33	3.30	3.28	3.24	3.19	3.14	3.09	3.05	3.01	2.98	-1.0%
Conventional	3.15	3.12	3.08	3.01	2.94	2.87	2.82	2.79	2.77	2.75	2.74	2.73	2.71	2.69	2.67	2.65	2.62	2.60	2.58	2.56	2.55	2.53	2.52	2.51	2.50	-1.0%
Enhanced Oil Recovery	0.61	0.59	0.58	0.58	0.58	0.58	0.59	0.59	0.61	0.63	0.64	0.66	0.67	0.68	0.68	0.68	0.68	0.68	0.66	0.62	0.59	0.56	0.53	0.50	0.48	-1.0%
Lower 48 Offshore	1.32	1.40	1.53	1.58	1.62	1.65	1.67	1.68	1.69	1.69	1.68	1.66	1.63	1.61	1.57	1.54	1.51	1.48	1.45	1.42	1.39	1.37	1.34	1.32	1.29	-0.1%
Alaska	1.40	1.30	1.21	1.17	1.13	1.09	1.05	1.02	0.97	0.93	0.89	0.86	0.82	0.78	0.74	0.71	0.67	0.64	0.61	0.58	0.56	0.53	0.51	0.49	0.47	-4.5%
L48 End of Yr. Reserve(bill. bbl.)	16.82	16.49	16.15	15.85	15.59	15.41	15.31	15.24	15.22	15.23	15.23	15.21	15.18	15.09	14.97	14.83	14.70	14.57	14.41	14.18	13.97	13.77	13.59	13.41	13.27	-1.0%
Natural Gas																										
Lower 48 Aver. Wellhead Price 1/ (1996\$ per thousand cubic feet)	2.24	2.25	2.10	2.13	2.12	2.11	2.12	2.13	2.15	2.24	2.43	2.62	2.77	2.90	3.03	3.17	3.27	3.36	3.43	3.47	3.50	3.51	3.53	3.53	3.53	1.9%
Production (trill. cubic ft.) 3/																										
U.S. Total	19.01	18.37	18.70	19.95	19.63	19.65	20.07	20.32	20.73	22.10	23.85	25.02	25.36	25.46	25.77	26.15	26.62	27.10	27.41	27.62	27.93	27.84	27.90	27.91	27.74	1.6%
Lower 48 Onshore	13.07	12.88	12.72	13.55	13.29	13.30	13.49	13.76	14.04	15.02	16.32	17.26	17.59	17.81	18.09	18.46	18.94	19.35	19.66	19.87	20.16	19.93	19.87	19.73	19.48	1.7%
Associated-Dissolved 4/	1.84	1.84	1.82	1.80	1.74	1.68	1.62	1.58	1.55	1.52	1.50	1.48	1.47	1.45	1.44	1.42	1.41	1.39	1.37	1.36	1.34	1.33	1.31	1.30	1.28	-1.5%
Non-Associated	11.23	11.04	10.89	11.75	11.55	11.62	11.87	12.18	12.49	13.50	14.82	15.78	16.12	16.36	16.65	17.04	17.53	17.96	18.29	18.51	18.81	18.61	18.56	18.43	18.20	2.0%
Conventional	7.96	7.58	7.78	8.27	8.12	8.18	8.45	8.56	8.79	9.43	10.25	10.80	10.96	11.02	11.19	11.39	11.73	12.13	12.43	12.64	12.84	12.69	12.72	12.61	12.44	1.9%
Unconventional	3.27	3.46	3.12	3.48	3.43	3.44	3.42	3.62	3.71	4.07	4.57	4.98	5.16	5.33	5.46	5.64	5.80	5.83	5.86	5.87	5.97	5.91	5.83	5.82	5.76	2.4%
Lower 48 Offshore	5.50	5.04	5.50	5.92	5.84	5.85	6.08	6.04	6.17	6.55	6.99	7.23	7.24	7.11	7.13	7.14	7.12	7.18	7.17	7.18	7.19	7.32	7.44	7.58	7.66	1.4%
Associated-Dissolved 4/	0.80	0.82	0.84	0.88	0.89	0.90	0.91	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.85	0.84	0.84	0.2%
Non-Associated	4.70	4.22	4.66	5.04	4.95	4.94	5.17	5.13	5.25	5.63	6.07	6.31	6.32	6.20	6.23	6.24	6.23	6.30	6.30	6.31	6.33	6.46	6.59	6.74	6.82	1.6%
Alaska	0.43	0.45	0.47	0.48	0.49	0.50	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	1.4%
Lower 48 End of Yr. Reserves (tcf)	157.23	159.79	161.64	162.68	163.84	165.13	166.27	167.87	169.70	171.25	172.34	173.53	175.30	177.70	180.42	183.37	186.27	188.80	191.05	192.98	194.37	195.31	195.52	195.00	193.82	0.9%
Supplemental Gas Supplies (tcf) 5/	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-3.0%
Lower 48 Wells (thousands)	22.07	23.52	23.76	24.04	24.08	24.87	25.75	26.30	26.95	28.15	29.22	30.27	30.93	31.45	31.91	32.44	33.24	33.86	34.45	34.87	35.24	35.50	35.62	35.83	35.92	2.0%

Ft. = feet.

1/ Represents lower 48 onshore and offshore supplies.

2/ Includes lease condensate.

3/ Market production (wet) minus extraction losses.

4/ Gas which occurs in crude oil reserves either as free gas (associated) or as gas in solution with crude oil (dissolved)

5/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Note: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors.

Sources: 1996 crude oil lower 48 average wellhead price: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting. 1996 total wells completed: EIA, Office of Integrated Analysis and Forecasting. 1996 lower 48 onshore, lower 48 offshore, Alaska crude oil production: EIA, Petroleum Supply Annual 1996, DOE/EIA-0340(96) (Washington, DC, June 1997). 1996 natural gas lower 48 average wellhead price, Alaska and total natural gas production, and supplemental gas supplies: EIA, Natural Gas Monthly, DOE/EIA-0130(97/06) (Washington, DC, June 1997). Other 1996 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 16. Coal Supply, Disposition, and Prices (Million Short Tons per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Production 1/																										
Appalachia	452	465	474	474	473	465	466	461	458	378	327	271	231	204	196	181	169	156	146	141	130	125	119	116	111	-5.7%
Interior	173	168	168	167	167	163	154	152	149	129	95	65	44	35	35	35	32	30	24	20	17	14	12	12	11	-11.0%
West	439	455	489	504	506	524	534	539	540	360	241	149	100	84	82	72	63	56	48	40	33	29	25	23	21	-11.8%
East of the Mississippi	564	570	578	575	571	558	557	551	546	480	410	331	272	237	228	213	198	183	168	158	145	137	129	125	119	-6.3%
West of the Mississippi	500	518	553	569	575	593	596	601	602	387	253	153	102	87	85	75	66	59	50	43	36	31	28	26	24	-11.8%
Total	1064	1088	1131	1144	1146	1152	1154	1152	1148	867	663	485	374	323	313	289	264	241	218	201	180	168	157	150	144	-8.0%
Net Imports																										
Imports	7	7	7	7	7	7	6	6	5	4	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	-7.9%
Exports	90	87	87	88	88	88	89	87	85	83	81	80	79	77	76	74	74	74	74	74	74	74	74	75	75	-0.8%
Total	-83	-80	-80	-81	-80	-82	-83	-81	-80	-78	-77	-77	-77	-76	-75	-73	-73	-73	-73	-73	-73	-73	-73	-74	-74	-0.5%
Total Supply 2/	981	1008	1050	1063	1066	1070	1071	1070	1068	789	586	408	298	248	238	215	191	168	145	128	107	95	83	77	70	-10.4%
Consumption by Sector																										
Residential and Commercial	6	6	6	6	6	6	6	6	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	-1.3%
Industrial 3/	70	69	70	71	71	72	74	75	76	52	43	38	36	36	37	38	38	39	40	40	40	41	41	41	41	-2.2%
Coke Plants	32	32	32	32	31	30	30	29	29	28	27	25	24	23	22	21	20	19	19	18	17	16	15	15	14	-3.3%
Electric Generators 4/	896	903	953	955	958	962	960	961	959	729	511	338	234	187	172	156	130	106	83	65	46	33	23	17	11	-16.6%
Total	1003	1009	1061	1064	1066	1071	1070	1072	1070	814	586	407	298	250	235	220	193	168	145	127	107	94	83	76	71	-10.5%
Discrepancy and Stock Change 5/	-23	-1	-11	-0	-1	-1	1	-1	-2	-25	-0	1	-1	-2	3	-4	-2	-0	-0	1	-0	1	0	0	-1	N/A
Average Minemouth Price																										
(1996 dollars per short ton)	18.50	18.17	17.61	17.21	16.92	16.47	16.23	16.02	15.81	16.36	17.11	17.88	18.49	18.55	18.29	18.27	18.35	18.46	18.75	19.09	19.47	19.79	20.09	20.40	20.50	0.4%
(1996\$ per million Btu)	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76	0.75	0.76	0.78	0.79	0.80	0.80	0.79	0.79	0.79	0.79	0.80	0.81	0.82	0.82	0.83	0.84	0.84	-0.2%
Deliv. Price(1996\$/short ton)6/																										
Industrial	32.28	31.12	30.70	30.30	29.99	29.67	29.36	29.10	28.88	87.93	133.7	186.88	228.22	233.55	224.73	219.34	219.53	216.98	210.83	204.65	203.17	200.85	199.74	199.38	195.43	7.8%
Coke Plants	47.33	47.02	46.50	45.87	45.41	45.20	44.71	44.37	44.05	114.62	169.2	232.32	281.30	287.87	277.69	271.81	272.42	269.80	262.92	255.86	254.55	252.19	251.11	250.85	246.16	7.1%
Electric Generators																										
(1996 dollars / short ton)	26.45	25.74	25.34	25.01	24.79	24.44	24.28	24.03	23.80	79.18	124.5	178.68	220.78	224.95	214.75	208.90	208.17	205.16	199.46	194.61	192.80	192.35	192.51	198.78	197.61	8.7%
(1996 dollars /million Btu)	1.29	1.25	1.24	1.22	1.21	1.20	1.19	1.18	1.17	3.81	5.86	8.24	10.09	10.33	9.95	9.71	9.72	9.62	9.35	9.10	9.04	8.95	8.92	8.96	8.80	8.3%
Average	27.52	26.78	26.34	25.99	25.74	25.39	25.21	24.94	24.71	80.95	127.2	182.85	226.69	232.15	222.39	216.93	217.38	215.60	210.99	206.71	207.00	206.96	207.72	209.79	206.64	8.8%
Exports 7/	40.77	40.28	39.73	39.11	38.62	38.24	37.72	37.65	37.54	37.15	36.90	36.66	36.41	36.11	36.01	36.03	35.79	35.53	35.35	35.11	34.83	34.50	34.30	34.11	33.84	-0.8%

1/ Includes anthracite, bituminous coal, and lignite.

2/ Production plus net imports and net storage withdrawals.

3/ Includes consumption by cogenerators.

4/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

5/ Balancing item: the sum of production, net imports, and net storage minus total consumption.

6/ Sectoral prices weighted by consumption tonnage; weighted average excludes residential/ commercial prices and export free-alongside-ship (f.a.s.) prices.

7/ F.a.s. price at U.S. port of exit.

N/A = Not applicable.

Btu = British thermal unit.

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

Sources: 1996 data derived from: Energy Information Administration (EIA), Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 17. Renewable Energy Generating Capability and Generation (Thousand Megawatts, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Electricity																										
Elect.Generators (excl.cogen)1/																										
Net Summer Capability (gigawatt)																										
Conventional Hydropower	77.66	77.86	78.07	79.34	79.39	79.41	79.49	79.62	79.67	80.70	81.49	81.69	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.92	81.92	81.92	0.2%
Geothermal 2/	3.02	3.02	3.02	3.02	3.02	3.03	3.35	3.41	3.37	3.74	3.67	4.18	4.69	4.70	4.75	5.34	5.64	5.73	6.19	6.35	6.56	7.10	7.31	7.32	7.81	4.0%
Municipal Solid Waste 3/	3.26	3.29	3.33	3.37	3.40	3.45	3.49	3.54	3.58	3.66	3.72	3.78	3.84	3.90	3.95	4.02	4.11	4.19	4.25	4.31	4.36	4.39	4.41	4.43	4.44	1.3%
Wood and Other Biomass 4/	1.64	1.64	1.64	1.64	1.64	1.71	1.76	1.76	1.76	2.18	2.64	3.16	3.69	4.22	5.32	7.06	9.06	12.21	15.22	19.33	23.97	28.81	34.20	39.66	43.99	14.7%
Solar Thermal	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.39	0.43	0.43	0.44	0.45	0.46	0.47	0.48	0.48	0.49	0.51	0.52	0.53	0.54	1.7%
Solar Photovoltaic	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.08	0.11	0.17	0.26	0.33	0.39	0.46	0.53	0.60	0.68	0.72	0.77	0.80	0.84	0.87	0.91	20.4%
Wind	1.85	1.86	2.09	2.48	2.86	3.30	3.89	4.53	5.19	6.27	7.95	10.43	13.28	15.54	18.17	21.32	24.99	29.22	33.47	36.42	39.22	42.79	45.28	48.10	51.37	14.9%
Total	87.81	88.04	88.52	90.22	90.70	91.29	92.38	93.27	94.01	97.00	99.95	103.80	108.03	110.96	114.85	120.50	126.63	134.25	142.13	149.46	157.21	166.23	174.47	182.82	190.97	3.3%
Generation																										
Conventional Hydropower	346.28	338.33	304.09	307.35	310.33	310.32	310.79	311.67	312.07	317.03	320.8	321.43	321.90	321.90	321.93	321.96	321.99	322.00	322.02	322.03	322.05	322.07	322.33	322.34	322.35	-0.3%
Geothermal 2/	15.70	17.23	17.23	17.24	17.25	17.35	19.79	20.45	20.39	23.01	22.69	26.27	29.74	29.81	30.37	34.78	36.89	37.75	41.16	42.27	44.11	47.89	49.38	49.89	53.35	5.2%
Municipal Solid Waste 3/	18.85	21.98	22.24	22.51	22.78	23.07	23.38	23.71	24.02	24.53	24.94	25.33	25.73	26.13	26.49	26.98	27.61	28.14	28.58	28.99	29.32	29.52	29.68	29.81	29.88	1.9%
Wood and Other Biomass 4/	7.27	8.74	8.85	8.85	8.85	9.16	9.37	9.37	9.37	19.51	21.54	23.65	26.11	29.23	36.40	48.47	62.15	83.90	104.77	133.28	165.53	199.19	236.80	274.79	305.05	16.8%
Solar Thermal	0.82	0.92	0.92	0.92	0.92	0.92	0.93	0.94	0.95	0.96	0.97	0.99	1.11	1.13	1.15	1.18	1.21	1.24	1.27	1.30	1.33	1.37	1.40	1.44	1.47	2.5%
Solar Photovoltaic	0.00	0.03	0.04	0.04	0.05	0.07	0.09	0.13	0.16	0.20	0.27	0.41	0.69	0.85	1.01	1.18	1.36	1.53	1.72	1.83	1.94	2.03	2.12	2.21	2.30	31.9%
Wind	3.17	3.92	4.51	5.50	6.44	7.60	9.20	10.96	12.79	15.80	20.50	27.45	35.37	41.72	48.87	57.26	66.94	78.37	90.36	98.71	106.69	117.07	124.47	132.93	142.77	17.2%
Total	392.09	391.15	357.87	362.40	366.62	368.51	373.55	377.21	379.76	401.04	411.7	425.55	440.63	450.76	466.22	491.81	518.15	552.94	589.87	628.41	670.99	719.14	766.19	813.41	857.17	3.3%
Cogenerators 5/																										
Net Summer Capability (gigawatt)																										
Municipal Solid Waste	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.2%
Wood and Other Biomass	5.44	5.45	5.94	6.02	6.08	6.15	6.23	6.28	6.34	6.32	6.31	6.31	6.32	6.33	6.44	6.59	6.67	6.75	6.80	6.85	6.88	6.91	6.93	6.94	6.94	1.0%
Total	5.87	5.87	6.38	6.46	6.53	6.59	6.67	6.72	6.79	6.77	6.76	6.76	6.77	6.77	6.89	7.03	7.12	7.20	7.25	7.30	7.33	7.36	7.38	7.39	7.39	1.0%
Generation																										
Municipal Solid Waste	2.21	2.22	2.23	2.23	2.24	2.25	2.25	2.26	2.27	2.27	2.28	2.28	2.28	2.29	2.29	2.30	2.30	2.30	2.31	2.31	2.32	2.32	2.32	2.32	2.32	0.2%
Wood and Other Biomass	39.40	39.50	39.89	40.62	41.26	41.90	42.62	43.14	43.77	44.01	44.10	44.21	44.41	44.50	45.62	47.00	47.86	48.58	49.11	49.57	49.87	50.15	50.35	50.48	50.49	1.0%
Total	41.61	41.72	42.12	42.85	43.50	44.15	44.87	45.40	46.03	46.28	46.38	46.49	46.69	46.79	47.91	49.30	50.16	50.88	51.42	51.88	52.18	52.46	52.67	52.79	52.80	1.0%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes landfill gas.

4/ Includes projections for energy crops after 2010.

5/ Cogenerators produce electricity and other useful thermal energy.

Notes: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO98. Net summer capability is used to be consistent with electric utility capacity estimates. Data for electric utility capacity are the most recently available as of August 25, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.

Sources: 1996 electric utility capability: Energy Information Administration (EIA), Form EIA-860 "Annual Electric Utility Report," 1996 nonutility and cogenerator capability: Form EIA-867, "Annual Nonutility Power Producer Report." 1996 generation: EIA, Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, DC, July 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 18. Renewable Energy, Consumption by Sector and Source 1/ (Quadrillion Btu per Year)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Marketed Renewable Energy 2/																										
Residential	0.61	0.60	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.4%
Wood	0.61	0.60	0.62	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.4%
Commercial 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1%
Biomass	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.1%
Industrial 4/	1.82	1.89	1.90	1.93	1.96	1.99	2.02	2.05	2.08	2.09	2.09	2.10	2.11	2.12	2.17	2.24	2.28	2.31	2.34	2.36	2.37	2.39	2.40	2.40	2.40	1.2%
Conventional Hydroelectric	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Municipal Solid Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Biomass	1.78	1.85	1.87	1.90	1.92	1.96	1.99	2.01	2.04	2.05	2.06	2.06	2.07	2.08	2.13	2.20	2.24	2.28	2.30	2.32	2.33	2.35	2.36	2.37	2.36	1.2%
Transportation	0.10	0.11	0.12	0.12	0.14	0.15	0.15	0.16	0.19	0.13	0.14	0.20	0.49	0.51	0.53	0.58	0.63	0.66	0.73	0.75	0.68	0.66	0.66	0.68	0.69	8.3%
Ethanol used in E85 5/	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.13	N/A
Ethanol used in Gas. Blending	0.10	0.11	0.12	0.11	0.13	0.12	0.12	0.12	0.14	0.07	0.07	0.13	0.41	0.43	0.45	0.49	0.54	0.56	0.62	0.64	0.56	0.54	0.55	0.56	0.56	7.4%
Electric Generators 6/	4.40	4.43	4.09	4.14	4.19	4.22	4.32	4.38	4.42	4.68	4.79	5.02	5.25	5.35	5.53	5.88	6.21	6.54	6.97	7.35	7.80	8.32	8.78	9.23	9.72	3.4%
Conventional Hydroelectric	3.56	3.48	3.13	3.16	3.19	3.19	3.19	3.20	3.21	3.26	3.30	3.30	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	-0.3%
Geothermal	0.43	0.47	0.48	0.48	0.48	0.49	0.56	0.59	0.60	0.68	0.67	0.80	0.91	0.92	0.95	1.09	1.19	1.20	1.31	1.34	1.41	1.54	1.58	1.60	1.71	5.9%
Municipal Solid Waste	0.30	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.48	1.9%
Biomass	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.17	0.19	0.21	0.23	0.26	0.32	0.43	0.55	0.75	0.93	1.19	1.48	1.77	2.11	2.45	2.72	16.8%
Solar Thermal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	31.9%
Wind	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.13	0.16	0.21	0.28	0.36	0.43	0.50	0.59	0.69	0.81	0.93	1.01	1.10	1.20	1.28	1.37	1.47	17.2%
Total Marketed Renew. Energy	6.94	7.03	6.74	6.81	6.91	6.96	7.11	7.20	7.30	7.51	7.64	7.94	8.48	8.61	8.87	9.33	9.77	10.16	10.69	11.11	11.50	12.02	12.51	12.98	13.47	2.8%
Non-Marketed Renewable Energy -- Selected Consumption 7/																										
Residential	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	4.6%
Solar Hot Water Heating	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.3%
Ground-Source Heat Pumps	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	7.2%
Commercial	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.2%
Solar Thermal	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.2%

1/ Actual heat rates used to determine fuel consumption for all renewable fuels except hydropower, solar, and wind. Consumption at hydroelectric, solar, and wind facilities determined by using the fossil fuel equivalent of 10,280 Btu per kilowatt-hour.

2/ Includes nonelectric renewable energy groups for which the energy source is bought and sold in the marketplace, although all transactions may not necessarily be marketed, and marketed renewable energy inputs for electricity entering the marketplace on the electric power grid. Excludes electricity imports; see Table 8.

3/ Value is less than 0.005 quadrillion Btu per year and rounds to zero.

4/ Includes all electricity production by industrial and other cogenerators for the grid and for own use.

5/ Excludes motor gasoline component of E85.

6/ Includes renewable energy delivered to the grid from electric utilities and nonutilities. Renewable energy used in generating electricity for own use is included in the individual sectoral electricity energy consumption values.

7/ Includes selected renewable energy consumption data for which the energy is not bought or sold, either directly or indirectly as an input to marketed energy. The Energy Information Administration does not estimate or project total consumption of nonmarketed renewable energy.

N/A = Not applicable.

Btu = British thermal unit.

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

Sources: 1996 electric generators: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Utility Report" and EIA, Form EIA-867, "Annual Nonutility Power Producer Report." 1996 ethanol: EIA, Petroleum Supply Annual 1996, DOE/EIA-0340(96/1) (Washington, DC, June 1997). Other 1996: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.



Table 19. Carbon Emissions by Sector and Source (Million Metric Tons per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Residential																										
Petroleum	27.3	26.2	25.9	25.5	25.2	24.9	24.7	24.4	24.3	22.8	21.8	20.8	20.1	19.6	19.5	19.4	19.3	19.1	19.1	19.0	19.0	18.9	18.7	18.6	18.6	-1.6%
Natural Gas	77.4	72.8	75.7	77.1	77.7	77.7	78.4	78.7	79.4	74.3	71.1	68.0	66.0	65.0	64.9	64.9	65.1	65.2	65.8	66.1	66.4	66.5	66.7	66.9	67.4	-0.6%
Coal	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	-2.1%
Electricity	179.9	181.6	195.5	196.7	198.8	202.5	203.0	204.3	205.8	174.4	148.4	126.2	111.4	103.9	101.9	99.7	96.5	93.5	90.8	88.9	86.5	84.7	83.0	82.2	81.3	-3.3%
Total	286.0	282.1	298.5	300.8	303.2	306.7	307.5	308.8	310.9	272.5	242.4	216.0	198.3	189.5	187.1	184.8	181.8	178.7	176.5	174.8	172.7	170.8	169.3	168.6	168.1	-2.2%
Commercial																										
Petroleum	15.3	14.2	12.8	12.8	12.8	12.7	12.7	12.6	12.6	11.8	11.2	10.4	9.9	9.8	10.0	10.0	10.0	10.0	10.0	10.1	10.0	10.0	10.0	10.0	10.0	-1.8%
Natural Gas	47.4	47.1	49.0	49.6	50.1	50.4	50.9	51.3	51.8	48.1	44.9	41.0	38.1	37.6	38.1	38.4	38.4	38.7	39.3	39.8	40.0	40.3	40.5	40.6	40.9	-0.6%
Coal	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.0	1.9	1.7	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	-1.0%
Electricity	164.8	171.5	180.3	183.1	181.7	182.6	183.2	184.4	185.0	155.5	130.0	107.9	93.0	86.8	85.6	83.9	81.2	78.9	76.6	74.8	72.1	70.3	68.5	67.3	65.8	-3.7%
Total	229.6	235.0	244.3	247.8	246.8	247.9	249.1	250.6	251.8	217.5	188.1	161.2	142.7	135.9	135.3	133.9	131.3	129.2	127.5	126.3	123.8	122.3	120.6	119.5	118.3	-2.7%
Industrial 1/																										
Petroleum	104.8	102.9	102.9	104.7	106.5	107.8	107.6	108.0	108.6	106.6	107.7	104.8	103.4	103.9	109.2	113.6	115.0	116.5	117.1	118.8	117.9	120.3	120.0	120.5	120.2	0.6%
Natural Gas 2/	142.8	145.2	149.4	153.6	152.2	152.7	153.7	153.5	154.0	158.4	159.8	161.7	160.8	159.0	158.2	158.7	160.2	161.7	162.1	161.6	163.7	161.8	161.9	161.9	161.6	0.5%
Coal	59.3	62.4	63.3	63.6	63.3	64.0	64.9	65.3	65.7	51.6	46.4	42.9	41.3	40.9	41.4	42.0	42.2	42.4	42.4	42.3	42.1	42.0	41.8	41.4	41.1	-1.5%
Electricity	169.2	177.8	184.0	187.0	184.7	187.0	188.2	189.5	190.8	164.9	140.2	119.2	105.1	96.9	95.2	94.3	91.0	88.1	84.4	81.4	78.1	75.7	73.3	71.7	69.5	-3.6%
Total	476.1	488.2	499.6	508.9	506.7	511.5	514.4	516.3	519.1	481.6	454.1	428.5	410.5	400.6	403.9	408.6	408.3	408.6	406.0	404.1	401.8	399.8	396.9	395.4	392.4	-0.8%
Transportation																										
Petroleum 3/	457.9	470.5	479.9	494.4	502.9	512.8	522.3	530.4	539.2	538.5	530.3	515.5	496.0	490.1	495.7	501.7	505.7	510.5	516.2	522.0	528.4	534.2	539.6	543.3	547.2	0.7%
Natural Gas 4/	10.5	11.2	11.4	12.0	11.7	12.1	12.6	12.9	13.4	14.5	15.2	15.8	16.0	16.2	16.6	17.0	17.5	18.0	18.4	18.7	19.0	19.1	19.2	19.4	19.3	2.6%
Other 5/	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.4	3.4	N/A
Electricity	2.8	3.0	3.1	3.1	3.1	3.2	3.2	3.5	3.7	3.5	3.2	2.8	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	-1.4%
Total	471.2	484.8	494.6	509.8	518.2	528.7	538.9	547.8	557.5	557.9	550.3	536.0	516.5	510.8	517.1	523.6	528.0	533.5	539.5	545.8	552.6	558.5	564.2	568.1	571.9	0.8%
Total Carbon Emissions 6/																										
Petroleum	605.3	613.7	621.5	637.4	647.4	658.3	667.3	675.5	684.6	679.7	671.0	651.5	629.3	623.4	634.3	644.7	649.9	656.1	662.4	669.9	675.3	683.4	688.4	692.4	696.0	0.6%
Natural Gas	278.1	276.3	285.6	292.3	291.8	293.0	295.6	296.4	298.7	295.2	291.0	286.6	280.9	277.8	277.8	279.0	281.2	283.7	285.5	286.3	289.2	287.6	288.3	288.7	289.1	0.2%
Coal	62.8	66.0	66.9	67.2	67.0	67.7	68.6	69.0	69.4	54.8	49.4	45.6	43.9	43.4	43.9	44.5	44.6	44.8	44.9	44.8	44.6	44.5	44.2	43.9	43.6	-1.5%
Other 5/	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.4	3.4	N/A
Electricity	516.7	533.9	562.9	570.0	568.3	575.3	577.6	581.7	585.3	498.3	421.8	356.1	312.0	290.1	285.0	280.3	271.1	262.8	254.0	247.2	238.8	232.8	226.9	223.2	218.6	-3.5%
Total 3/	1462.9	1490.1	1537.0	1567.2	1574.8	1594.8	1609.9	1623.6	1639.2	1529.6	1434.1	1341.7	1268.0	1236.8	1243.4	1250.9	1249.3	1250.0	1249.6	1251.1	1250.9	1251.5	1251.0	1251.6	1250.8	-0.7%
Electric Generators 7/																										
Petroleum	15.5	17.7	13.3	13.6	12.5	13.5	11.3	10.4	9.2	7.2	6.4	7.1	8.2	8.5	7.9	7.0	6.7	6.6	6.7	6.1	5.9	6.3	5.5	5.1	6.1	-3.8%
Natural Gas	40.3	39.0	47.2	53.4	52.6	58.6	63.2	67.3	73.2	102.3	137.1	161.3	173.0	177.7	182.3	187.4	193.2	198.6	202.2	205.7	208.1	208.5	209.0	208.8	206.1	7.0%
Coal	460.9	477.2	502.4	502.9	503.2	503.1	504.1	502.9	388.9	278.3	187.7	130.7	103.9	94.8	85.9	71.2	57.6	45.1	35.5	24.9	18.0	12.4	9.3	6.4	16.3%	
Total	516.7	533.9	562.9	570.0	568.3	575.3	577.6	581.7	585.3	498.3	421.8	356.1	312.0	290.1	285.0	280.3	271.1	262.8	254.0	247.2	238.8	232.8	226.9	223.2	218.6	-3.5%

Table 19. Carbon Emissions by Sector and Source (Million Metric Tons per Year, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Carbon Emissions 8/																										
Petroleum	620.8	631.4	634.7	651.0	659.9	671.8	678.6	685.8	693.8	686.9	677.4	658.6	637.5	631.9	642.2	651.7	656.6	662.7	669.1	675.9	681.2	689.7	693.8	697.5	702.1	0.5%
Natural Gas	318.4	315.3	332.8	345.8	344.3	351.6	358.8	363.7	371.9	397.5	428.1	447.9	453.9	455.5	460.2	466.4	474.4	482.3	487.7	492.0	497.2	496.1	497.3	497.5	495.3	1.9%
Coal	523.7	543.3	569.3	570.1	570.3	570.8	571.7	573.1	572.3	443.7	327.7	233.3	174.6	147.2	138.7	130.5	115.8	102.4	90.0	80.3	69.4	62.5	56.7	53.2	50.0	-9.3%
Other 5/	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.4	3.4	N/A
Total 3/	1462.9	1490.1	1537.0	1567.2	1574.8	1594.8	1609.9	1623.6	1639.2	1529.6	1434.	1341.7	1268.0	1236.8	1243.4	1250.9	1249.3	1250.0	1249.6	1251.1	1250.9	1251.5	1251.0	1251.6	1250.8	-0.7%
Carbon Emissions (tons per person)	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.3	5.0	4.6	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	-1.5%

1/ Includes consumption by cogenerators.

2/ Includes lease and plant fuel.

3/ This includes international bunker fuels which, by convention, are excluded from the international accounting of carbon emissions. In the years 1989 through 1996, international bunker fuels account for 22 to 24 million metric tons of carbon annually.

4/ Includes pipeline fuel natural gas and compressed natural gas used as vehicle fuel.

5/ Includes methanol and liquid hydrogen.

6/ Measured for delivered energy consumption.

7/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

8/ Measured for total energy consumption, with emissions for electric power generators distributed to the primary fuels.

N/A = Not applicable

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

Sources: Carbon coefficients from Energy Information Administration, (EIA) Emissions of Greenhouse Gases in the United States 1996, DOE/EIA-0573(96) (Washington,DC, October 1997). 1996 consumption estimates based on: EIA, Short Term Energy Outlook, August 1997, Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run FD07BLW.D080398B.

Table 20. Macroeconomic Indicators (Billion 1992 Chain-Weighted Dollars, Unless Otherwise Noted)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
GDP Chain-Type Price Index (1992=1.000)	1.102	1.125	1.151	1.178	1.207	1.238	1.271	1.305	1.341	1.408	1.475	1.543	1.606	1.659	1.701	1.745	1.795	1.850	1.907	1.968	2.035	2.106	2.179	2.257	2.337	3.2%
Real Gross Domestic Product	6928	7165	7332	7497	7669	7840	8001	8158	8335	8454	8516	8581	8673	8811	9032	9311	9612	9862	10052	10193	10307	10421	10542	10664	10782	1.9%
Real Consumption	4714	4865	5010	5131	5232	5331	5429	5521	5623	5719	5772	5838	5916	6017	6160	6343	6551	6740	6906	7047	7165	7279	7395	7516	7636	2.0%
Real Investment	1069	1182	1223	1266	1310	1354	1391	1416	1458	1457	1445	1448	1482	1548	1662	1798	1922	1999	2024	2019	2009	2017	2041	2070	2095	2.8%
Real Government Spending	1258	1270	1288	1294	1302	1309	1321	1340	1361	1383	1393	1404	1414	1425	1442	1464	1488	1516	1542	1564	1581	1593	1604	1613	1621	1.1%
Real Exports	857	954	1013	1090	1191	1297	1405	1521	1639	1744	1836	1920	2007	2104	2215	2340	2465	2577	2675	2766	2855	2943	3034	3125	3218	5.7%
Real Imports	971	1109	1213	1295	1373	1453	1544	1636	1739	1852	1946	2067	2207	2367	2548	2749	2946	3130	3297	3455	3602	3758	3926	4106	4290	6.4%
Real Disposable Personal Income	5077	5216	5376	5510	5610	5723	5833	5944	6071	6228	6316	6409	6494	6584	6719	6885	7079	7279	7460	7608	7731	7848	7964	8090	8214	2.0%
AA Utility Bond Rate (percent)	7.57	7.60	7.34	7.17	7.07	6.98	6.94	7.00	7.09	7.70	7.87	8.09	8.07	7.87	7.66	7.32	7.07	7.14	7.29	7.44	7.63	7.81	7.92	8.10	8.27	N/A
Real Yield on Government 10 Year Bonds (percent)	4.99	5.01	4.98	4.89	4.30	3.94	3.77	3.77	3.79	4.04	3.63	3.45	3.50	3.72	3.95	4.05	4.06	4.09	4.09	4.14	4.22	4.26	4.21	4.26	4.33	N/A
Energy Intensity (thousand Btu/92 dollar of GDP)																										
Delivered Energy	10.13	9.91	9.88	9.88	9.76	9.68	9.61	9.52	9.43	9.10	8.89	8.62	8.35	8.16	8.07	7.95	7.79	7.67	7.60	7.56	7.54	7.50	7.45	7.41	7.35	-1.3%
Total Energy	13.53	13.14	13.14	13.13	12.98	12.87	12.76	12.63	12.50	11.86	11.45	11.01	10.60	10.31	10.15	9.97	9.74	9.57	9.46	9.40	9.36	9.32	9.27	9.21	9.16	-1.6%
Consumer Price Ind. (1982-4=1.00)	1.57	1.61	1.65	1.69	1.74	1.79	1.85	1.91	1.97	2.09	2.20	2.32	2.43	2.53	2.60	2.68	2.77	2.86	2.96	3.06	3.17	3.29	3.41	3.54	3.68	3.6%
Unemployment Rate (percent)	5.38	4.97	4.92	5.16	5.29	5.40	5.52	5.66	5.72	5.94	6.56	7.19	7.62	7.76	7.49	6.87	6.01	5.36	5.09	5.11	5.31	5.52	5.68	5.77	5.85	N/A
Unit Sales Light-Duty Veh.(mill)	15.10	15.06	15.41	15.53	15.49	15.37	15.38	15.33	15.45	14.64	13.97	13.69	13.78	14.26	15.16	16.05	16.80	17.14	17.17	16.94	16.57	16.35	16.44	16.50	16.51	0.4%
Millions of People																										
Pop. w/Armed Forces Overseas	266.1	268.5	270.9	273.3	275.6	277.9	280.2	282.5	284.8	287.1	289.4	291.8	294.1	296.5	298.9	301.4	303.8	306.3	308.7	311.2	313.7	316.1	318.6	321.0	323.5	0.8%
Population (aged 16 and over)	204.2	206.4	208.5	210.7	212.8	214.9	217.1	219.2	221.5	223.8	226.2	228.6	230.9	233.2	235.4	237.6	239.7	241.8	243.8	245.8	247.8	249.8	251.7	253.6	255.6	0.9%
Labor Force	133.9	136.5	138.6	140.6	142.1	143.7	145.1	146.5	148.1	149.6	150.9	151.8	152.5	153.3	154.4	155.7	156.7	157.9	159.0	159.9	160.5	160.9	161.2	161.5	161.8	0.8%

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Source: Simulation of the Data Resources, Inc. (DRI) Model of the U.S. Economy (1990 - 7%, Personal Income Tax Rebate).