

# 1

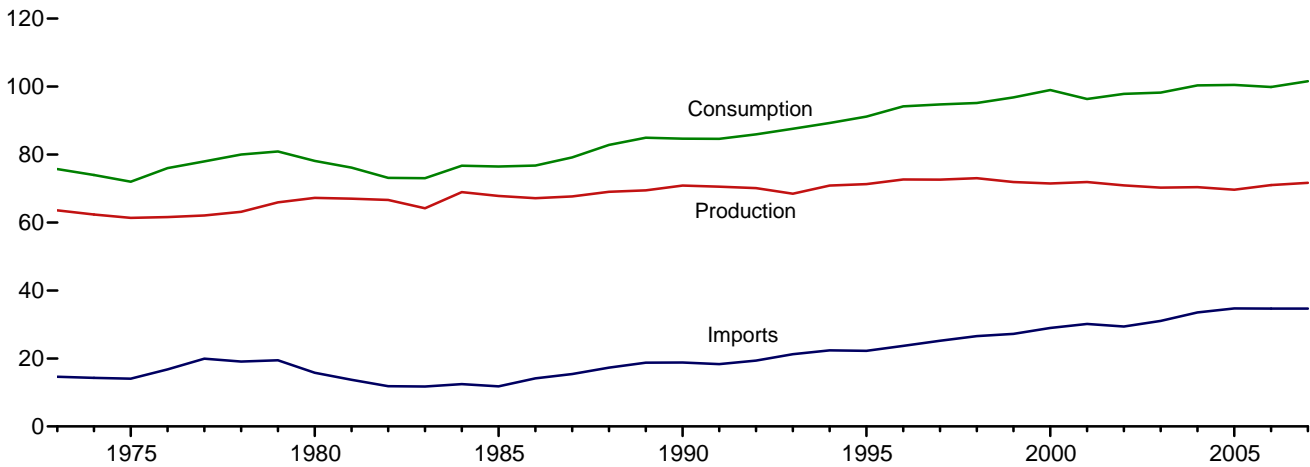
## Energy Overview



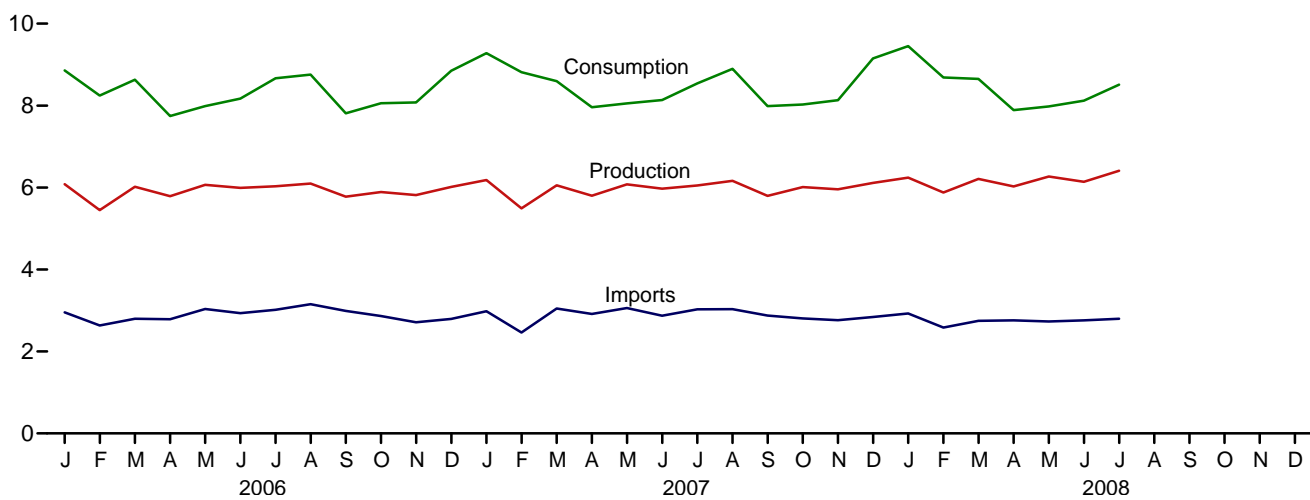
The continental United States at night from orbit. Source: National Oceanic and Atmospheric Administration satellite imagery; mosaic provided by U.S. Geological Survey.

**Figure 1.1 Primary Energy Overview**  
(Quadrillion Btu)

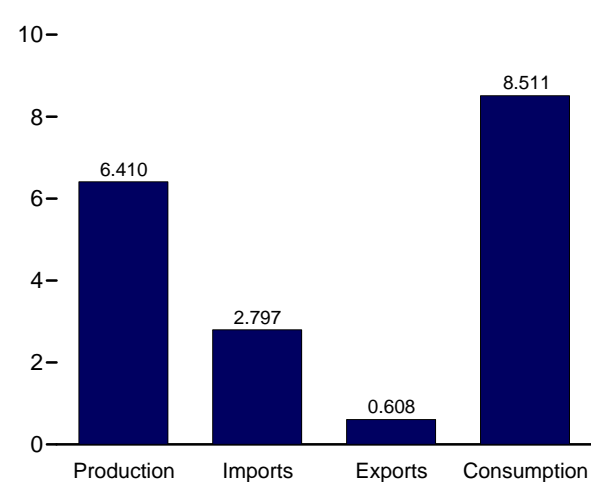
Consumption, Production, and Imports, 1973-2007



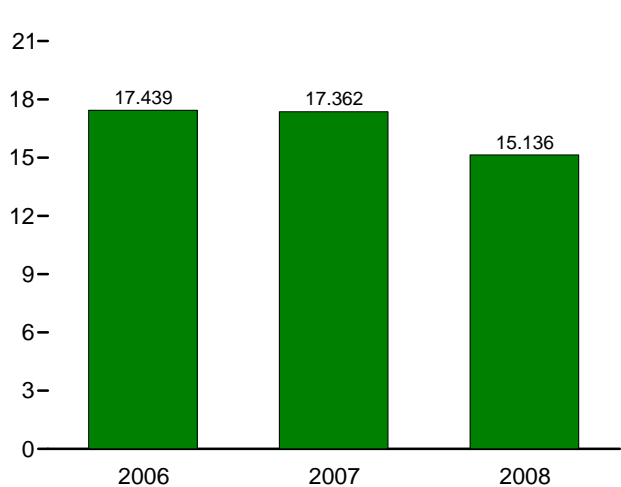
Consumption, Production, and Imports, Monthly



Overview, July 2008



Net Imports, January-July



Note: Because vertical scales differ, graphs should not be compared.  
Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.  
Sources: Tables 1.1 and 1.4b.

**Table 1.1 Primary Energy Overview**  
(Quadrillion Btu)

	Production <sup>a</sup>	Imports	Exports	Stock Change and Other <sup>b</sup>	Consumption <sup>c</sup>
<b>1973 Total</b> .....	<b>63.585</b>	<b>14.613</b>	<b>2.033</b>	<b>-0.456</b>	<b>75.708</b>
<b>1975 Total</b> .....	<b>61.357</b>	<b>14.032</b>	<b>2.323</b>	<b>-1.067</b>	<b>71.999</b>
<b>1980 Total</b> .....	<b>67.232</b>	<b>15.796</b>	<b>3.695</b>	<b>-1.212</b>	<b>78.122</b>
<b>1985 Total</b> .....	<b>67.799</b>	<b>11.781</b>	<b>4.196</b>	<b>1.107</b>	<b>76.491</b>
<b>1990 Total</b> .....	<b>70.870</b>	<b>18.817</b>	<b>4.752</b>	<b>-.283</b>	<b>84.652</b>
<b>1995 Total</b> .....	<b>71.319</b>	<b>22.260</b>	<b>4.511</b>	<b>2.104</b>	<b>91.173</b>
<b>1996 Total</b> .....	<b>72.641</b>	<b>23.702</b>	<b>4.633</b>	<b>2.466</b>	<b>94.175</b>
<b>1997 Total</b> .....	<b>72.634</b>	<b>25.215</b>	<b>4.514</b>	<b>1.430</b>	<b>94.765</b>
<b>1998 Total</b> .....	<b>73.041</b>	<b>26.581</b>	<b>4.299</b>	<b>-.139</b>	<b>95.183</b>
<b>1999 Total</b> .....	<b>71.907</b>	<b>27.252</b>	<b>3.715</b>	<b>1.373</b>	<b>96.817</b>
<b>2000 Total</b> .....	<b>71.490</b>	<b>28.973</b>	<b>4.006</b>	<b>2.518</b>	<b>98.975</b>
<b>2001 Total</b> .....	<b>71.892</b>	<b>30.157</b>	<b>3.770</b>	<b>-1.952</b>	<b>96.326</b>
<b>2002 Total</b> .....	<b>70.936</b>	<b>29.407</b>	<b>3.668</b>	<b>1.184</b>	<b>97.858</b>
<b>2003 Total</b> .....	<b>70.264</b>	<b>31.060</b>	<b>4.054</b>	<b>.938</b>	<b>98.209</b>
<b>2004 Total</b> .....	<b>70.384</b>	<b>33.543</b>	<b>4.433</b>	<b>.857</b>	<b>100.351</b>
<b>2005 Total</b> .....	<b>69.647</b>	<b>34.710</b>	<b>4.561</b>	<b>.710</b>	<b>100.506</b>
<b>2006</b> January .....	6.083	2.953	.360	.184	8.860
February .....	5.450	2.632	.339	.502	8.245
March .....	6.019	2.799	.383	.196	8.631
April .....	5.788	2.787	.383	-.447	7.745
May .....	6.068	3.037	.436	-.682	7.987
June .....	5.992	2.935	.419	-.340	8.169
July .....	6.032	3.018	.403	.021	8.667
August .....	6.099	3.152	.419	-.077	8.755
September .....	5.776	2.989	.460	-.493	7.812
October .....	5.889	2.863	.436	-.258	8.058
November .....	5.815	2.712	.435	-.014	8.078
December .....	6.015	2.795	.394	.434	8.850
<b>Total</b> .....	<b>71.025</b>	<b>34.673</b>	<b>4.868</b>	<b>-.974</b>	<b>99.856</b>
<b>2007</b> January .....	6.182	2.982	.447	.562	<sup>R</sup> 9.279
February .....	5.492	2.463	.349	1.209	8.814
March .....	6.054	3.046	.420	-.083	8.596
April .....	5.802	2.914	.416	<sup>R</sup> -.340	7.960
May .....	6.076	3.058	.448	-.634	8.052
June .....	5.972	2.871	.423	-.285	8.135
July .....	6.051	3.030	.498	-.041	8.542
August .....	6.165	3.033	.475	<sup>R</sup> .173	<sup>R</sup> 8.896
September .....	5.796	2.877	.436	-.252	<sup>R</sup> 7.985
October .....	6.011	2.806	.439	-.352	8.026
November .....	5.957	2.764	.559	<sup>R</sup> -.031	8.132
December .....	6.111	2.841	.538	.736	9.150
<b>Total</b> .....	<b>71.668</b>	<b>34.685</b>	<b>5.448</b>	<sup>R</sup> .662	<sup>R</sup> 101.568
<b>2008</b> January .....	6.242	2.927	.538	.820	9.452
February .....	5.877	2.585	.567	<sup>R</sup> .790	8.685
March .....	6.211	2.746	.612	.307	8.652
April .....	6.029	2.757	.591	<sup>R</sup> -.307	<sup>R</sup> 7.888
May .....	6.270	2.731	.624	-.400	7.977
June .....	<sup>R</sup> 6.140	<sup>R</sup> 2.757	<sup>R</sup> .625	<sup>R</sup> -.154	<sup>R</sup> 8.118
July .....	<sup>E</sup> 6.410	2.797	.608	-.088	<sup>E</sup> 8.511
<b>7-Month Total</b> .....	<sup>E</sup> <b>43.179</b>	<b>19.301</b>	<b>4.165</b>	<b>.968</b>	<sup>E</sup> <b>59.283</b>
<b>2007 7-Month Total</b> .....	<b>41.628</b>	<b>20.363</b>	<b>3.001</b>	<b>.388</b>	<b>59.378</b>
<b>2006 7-Month Total</b> .....	<b>41.431</b>	<b>20.162</b>	<b>2.723</b>	<b>-.566</b>	<b>58.303</b>

<sup>a</sup> See Note 1, "Primary Energy Production," at end of section.

<sup>b</sup> Calculated as consumption and exports minus production and imports. Includes petroleum stock change and adjustments; natural gas net storage withdrawals and balancing item; coal stock change, losses, and unaccounted for; and fuel ethanol stock change.

<sup>c</sup> See Note 2, "Primary Energy Consumption," at end of section.  
R=Revised. E=Estimate.

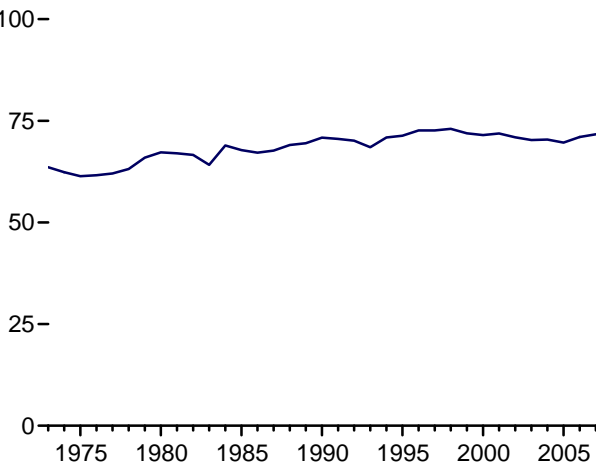
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available data beginning in 1973.

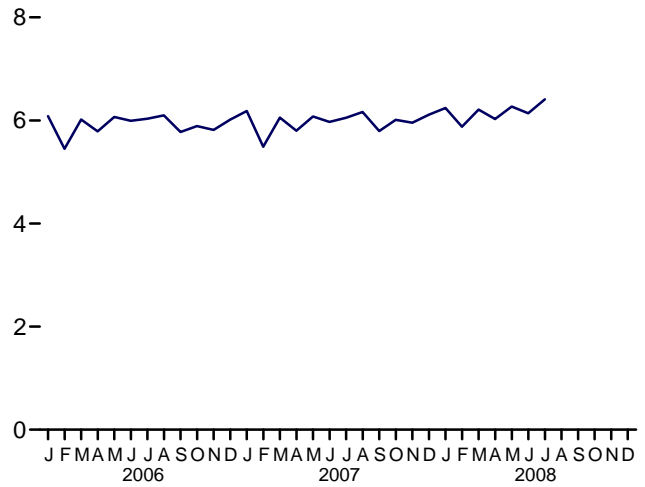
Sources: • **Production:** Table 1.2. • **Imports:** Table 1.4a. • **Exports:** Table 1.4b. • **Consumption:** Table 1.3.

**Figure 1.2 Primary Energy Production**  
(Quadrillion Btu)

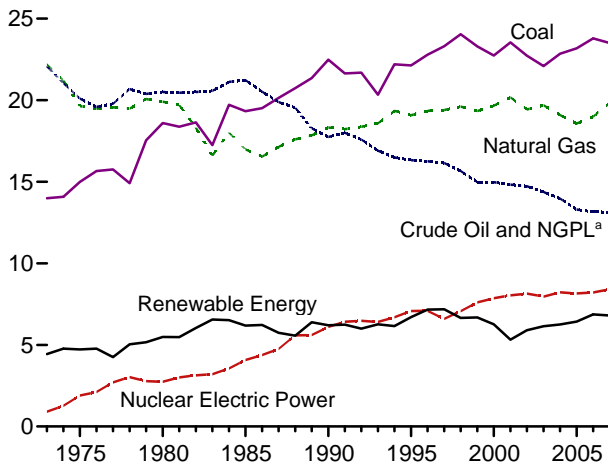
Total, 1973-2007



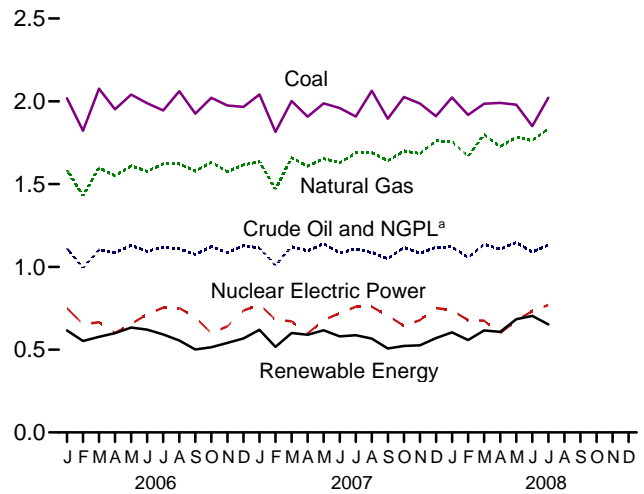
Total, Monthly



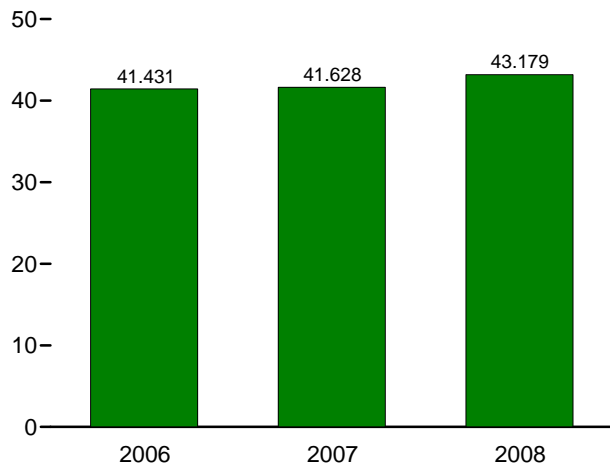
By Source, 1973-2007



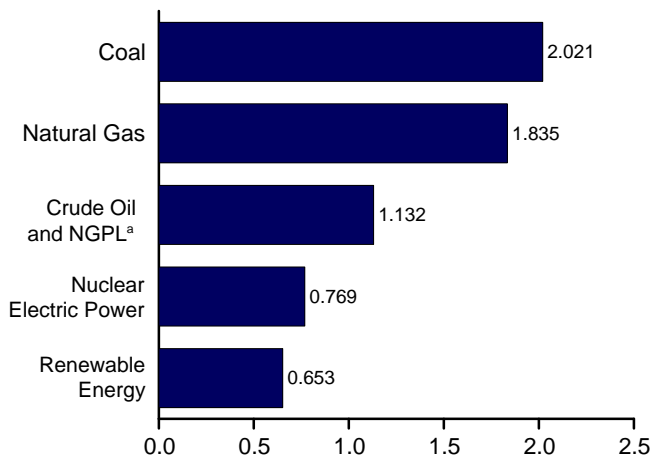
By Source, Monthly



Total, January-July



By Source, July 2008



<sup>a</sup> Natural gas plant liquids.

Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>  
Source: Table 1.2.

**Table 1.2 Primary Energy Production by Source**  
(Quadrillion Btu)

	Fossil Fuels					Nuclear Electric Power	Renewable Energy <sup>a</sup>						Total
	Coal <sup>b</sup>	Natural Gas (Dry)	Crude Oil <sup>c</sup>	NGPL <sup>d</sup>	Total		Hydroelectric Power <sup>e</sup>	Geo-thermal	Solar/PV	Wind	Bio-mass	Total	
1973 Total .....	13.992	22.187	19.493	2.569	58.241	0.910	2.861	0.043	NA	NA	1.529	4.433	63.585
1975 Total .....	14.989	19.640	17.729	2.374	54.733	1.900	3.155	.070	NA	NA	1.499	4.723	61.357
1980 Total .....	18.598	19.908	18.249	2.254	59.008	2.739	2.900	.110	NA	NA	2.475	5.485	67.232
1985 Total .....	19.325	16.980	18.992	2.241	57.539	4.076	2.970	.198	(s)	(s)	3.016	6.185	67.799
1990 Total .....	22.488	18.326	15.571	2.175	58.560	6.104	3.046	.336	.060	.029	2.735	6.206	70.870
1995 Total .....	22.130	19.082	13.887	2.442	57.540	7.075	3.205	.294	.070	.033	3.102	6.703	71.319
1996 Total .....	22.790	19.344	13.723	2.530	58.387	7.087	3.590	.316	.071	.033	3.157	7.167	72.641
1997 Total .....	23.310	19.394	13.658	2.495	58.857	6.597	3.640	.325	.070	.034	3.111	7.180	72.634
1998 Total .....	24.045	19.613	13.235	2.420	59.314	7.068	3.297	.328	.070	.031	2.933	6.659	73.041
1999 Total .....	23.295	19.341	12.451	2.528	57.614	7.610	3.268	.331	.069	.046	2.969	6.683	71.907
2000 Total .....	22.735	19.662	12.358	2.611	57.366	7.862	2.811	.317	.066	.057	3.010	6.262	71.490
2001 Total .....	23.547	20.166	12.282	2.547	58.541	8.033	2.242	.311	.065	.070	2.629	5.318	71.892
2002 Total .....	22.732	19.439	12.163	2.559	56.894	8.143	2.689	.328	.064	.105	2.712	5.899	70.936
2003 Total .....	22.094	19.691	12.026	2.346	56.157	7.959	2.825	.331	.064	.115	2.815	6.149	70.264
2004 Total .....	22.852	19.093	11.503	2.466	55.914	8.222	2.690	.341	.065	.142	3.011	6.248	70.384
2005 Total .....	23.185	18.574	10.963	2.334	55.056	8.160	2.703	.343	.066	.178	3.141	6.431	69.647
2006 January .....	2.018	1.586	.918	.194	4.716	.750	.272	.029	.006	.024	.286	.617	6.083
February .....	1.822	1.428	.819	.175	4.244	.653	.246	.026	.005	.019	.256	.552	5.450
March .....	2.076	1.597	.907	.196	4.776	.665	.244	.030	.006	.023	.274	.578	6.019
April .....	1.952	1.550	.892	.193	4.587	.601	.283	.027	.006	.025	.259	.600	5.788
May .....	2.040	1.609	.928	.202	4.779	.655	.306	.026	.006	.024	.275	.633	6.068
June .....	1.988	1.577	.898	.196	4.658	.714	.295	.028	.006	.020	.271	.621	5.992
July .....	1.945	1.622	.917	.202	4.687	.753	.252	.030	.006	.019	.284	.592	6.032
August .....	2.061	1.622	.910	.199	4.792	.751	.216	.030	.007	.016	.287	.555	6.099
September .....	1.926	1.579	.876	.198	4.579	.695	.171	.029	.006	.019	.277	.501	5.776
October .....	2.021	1.632	.918	.204	4.775	.600	.169	.030	.006	.024	.285	.514	5.889
November .....	1.975	1.574	.888	.197	4.635	.641	.201	.028	.006	.025	.280	.540	5.815
December .....	1.966	1.616	.929	.200	4.711	.735	.214	.030	.006	.025	.293	.568	6.015
<b>Total .....</b>	<b>23.790</b>	<b>18.993</b>	<b>10.801</b>	<b>2.356</b>	<b>55.940</b>	<b>8.214</b>	<b>2.869</b>	<b>.343</b>	<b>.072</b>	<b>.264</b>	<b>3.324</b>	<b>6.872</b>	<b>71.025</b>
2007 January .....	2.042	E 1.634	E .921	.192	4.789	.772	.262	.031	.006	.024	.296	.620	6.182
February .....	1.816	E 1.469	E .832	.177	4.294	.681	.185	.028	.006	.025	.272	.517	5.492
March .....	2.002	E 1.659	E .918	.204	4.782	.671	.241	.029	.007	.030	.293	.600	6.054
April .....	1.907	E 1.609	E .903	.195	4.614	.598	.237	.028	.007	.032	.287	.590	5.802
May .....	1.987	E 1.654	E .934	.206	4.781	.678	.257	.028	.007	.028	.296	.617	6.076
June .....	1.960	E 1.628	E .887	.198	4.673	.719	.227	.030	.007	.024	.293	.581	5.972
July .....	1.908	E 1.689	E .903	.205	4.705	.759	.224	.030	.007	.019	.307	.588	6.051
August .....	2.063	E 1.689	E .883	.203	4.839	.759	.198	.030	.007	.024	.307	.567	6.165
September .....	1.895	E 1.640	E .850	.199	4.584	.705	.145	.029	.007	.026	.299	.507	5.796
October .....	2.026	E 1.700	E .907	.211	4.844	.644	.147	.030	.007	.030	.308	.523	6.011
November .....	1.986	E 1.684	E .873	.209	4.753	.678	.156	.029	.006	.027	.308	.527	5.957
December .....	1.910	E 1.761	E .909	.210	4.790	.751	.183	.030	.006	.028	.321	.570	6.111
<b>Total .....</b>	<b>23.501</b>	<b>E 19.817</b>	<b>E 10.721</b>	<b>2.409</b>	<b>56.448</b>	<b>8.415</b>	<b>2.463</b>	<b>.353</b>	<b>.080</b>	<b>.319</b>	<b>3.589</b>	<b>6.805</b>	<b>71.668</b>
2008 January .....	2.023	E 1.757	E .916	.205	4.900	.738	.222	.028	.006	.037	.311	.605	6.242
February .....	1.918	E 1.667	E .860	.196	4.642	.678	.201	.026	.006	.032	.293	.558	5.877
March .....	1.985	E 1.799	E .924	.212	4.921	.675	.227	.029	.007	.041	.312	.616	6.211
April .....	1.990	E 1.727	E .898	.209	4.824	.598	.219	.029	.007	.045	.308	.607	6.029
May .....	1.980	E 1.783	E .929	.219	4.910	.676	.280	.030	.007	.044	.323	.684	6.270
June .....	1.850	RE 1.763	E .889	.201	R 4.703	R .733	R .306	.030	.007	R .043	R .318	R .704	R 6.140
July .....	F 2.021	RE 1.835	E .919	.213	E 4.988	F .769	F .233	.031	.007	F .035	F .346	E .653	E 6.410
<b>7-Month Total ...</b>	<b>E 13.768</b>	<b>E 12.330</b>	<b>E 6.335</b>	<b>1.454</b>	<b>E 33.886</b>	<b>E 8.866</b>	<b>E 1.688</b>	<b>.203</b>	<b>.048</b>	<b>E .277</b>	<b>2.210</b>	<b>E 4.426</b>	<b>E 43.179</b>
2007 7-Month Total ...	13.620	E 11.342	E 6.299	1.376	32.638	4.878	1.633	.204	.047	.183	2.046	4.112	41.628
2006 7-Month Total ...	13.841	10.970	6.280	1.358	32.448	4.791	1.898	.195	.042	.155	1.901	4.192	41.431

<sup>a</sup> Most data are estimates. See Tables 10.1-10.2c for notes on series components and estimation.

<sup>b</sup> Beginning in 1989, includes waste coal supplied. Beginning in 2001, also includes a small amount of refuse recovery. See Table 6.1.

<sup>c</sup> Includes lease condensate.

<sup>d</sup> Natural gas plant liquids.

<sup>e</sup> Conventional hydroelectric power.

R=Revised. E=Estimate. NA=Not available. (s)=Less than 0.5 trillion Btu. F=Forecast.

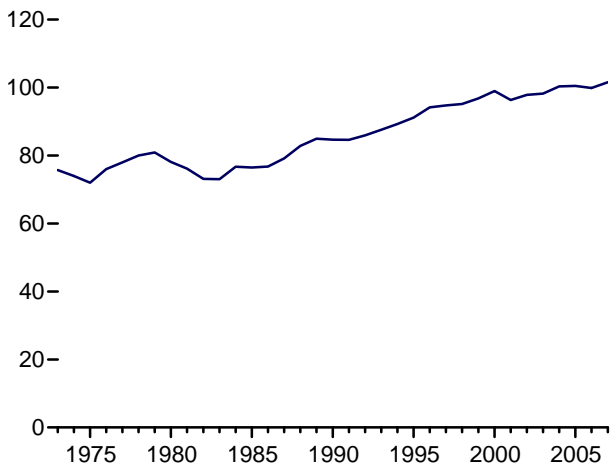
Notes: • See Note 1, "Primary Energy Production," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available data beginning in 1973.

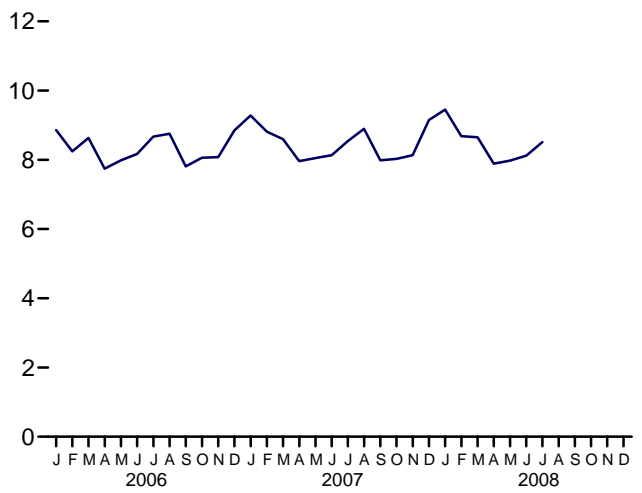
Sources: • Coal: Tables 6.1 and A5. • Natural Gas (Dry): Tables 4.1 and A4. • Crude Oil and Natural Gas Plant Liquids: Tables 3.1 and A2. • Nuclear Electric Power: Tables 7.2a and A6 ("Nuclear Plants" heat rate). • Renewable Energy: Table 10.1.

**Figure 1.3 Primary Energy Consumption**  
(Quadrillion Btu)

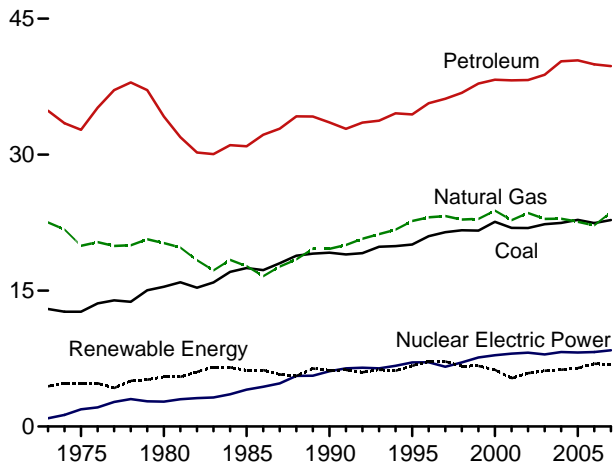
Total, 1973-2007



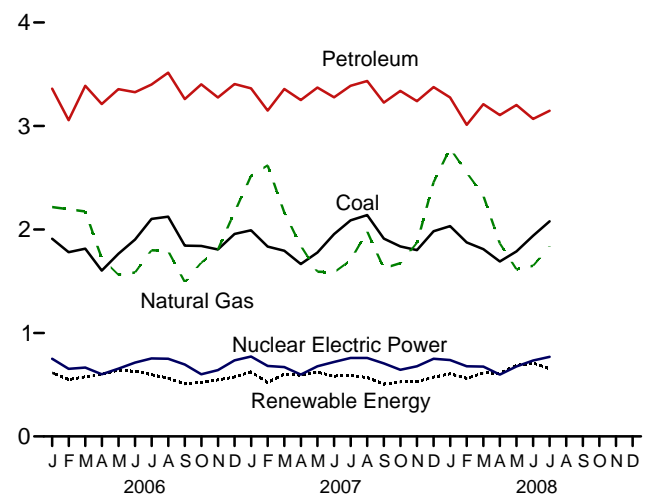
Total, Monthly



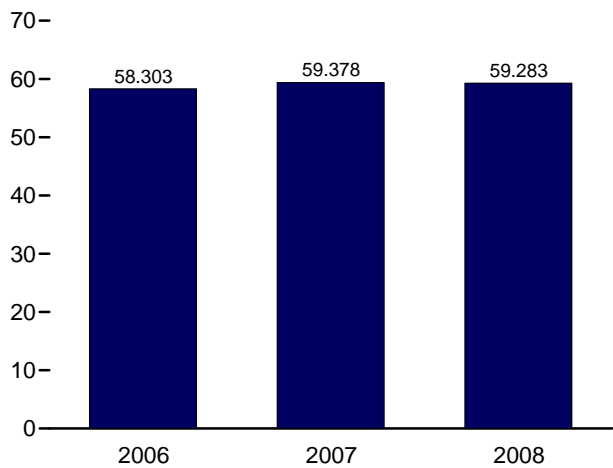
By Source<sup>a</sup>, 1973-2007



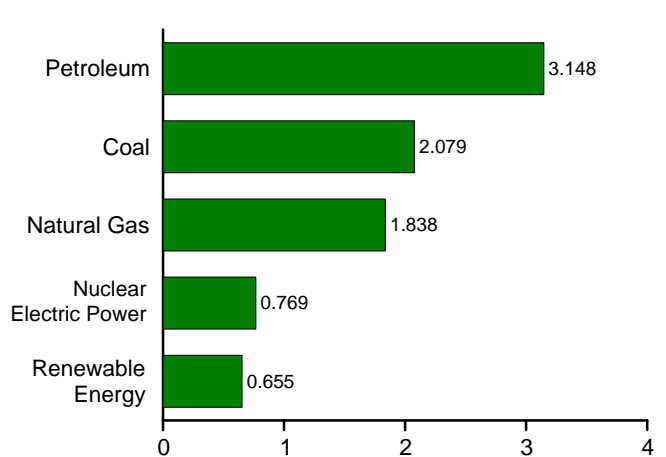
By Source<sup>a</sup>, Monthly



Total, January-July



By Source<sup>a</sup>, July 2008



<sup>a</sup> Small quantities of net imports of coal coke and electricity are not shown. Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>. Source: Table 1.3.

**Table 1.3 Primary Energy Consumption by Source**  
(Quadrillion Btu)

	Fossil Fuels				Nuclear Electric Power	Renewable Energy <sup>a</sup>						Total <sup>f</sup>
	Coal	Natural Gas <sup>b</sup>	Petroleum <sup>c</sup>	Total <sup>d</sup>		Hydroelectric Power <sup>e</sup>	Geothermal	Solar/PV	Wind	Biomass	Total	
1973 Total	12.971	22.512	34.840	70.316	0.910	2.861	0.043	NA	NA	1.529	4.433	75.708
1975 Total	12.663	19.948	32.731	65.355	1.900	3.155	.070	NA	NA	1.499	4.723	71.999
1980 Total	15.423	20.235	34.202	69.826	2.739	2.900	.110	NA	NA	2.475	5.485	78.122
1985 Total	17.478	17.703	30.922	66.091	4.076	2.970	.198	(s)	(s)	3.016	6.185	76.491
1990 Total	19.173	19.603	33.553	72.333	6.104	3.046	.336	.060	.029	2.735	6.206	84.652
1995 Total	20.089	22.671	34.437	77.258	7.075	3.205	.294	.070	.033	3.104	6.705	91.173
1996 Total	21.002	23.085	35.673	79.783	7.087	3.590	.316	.071	.033	3.159	7.168	94.175
1997 Total	21.445	23.223	36.160	80.874	6.597	3.640	.325	.070	.034	3.108	7.178	94.765
1998 Total	21.656	22.830	36.817	81.370	7.068	3.297	.328	.070	.031	2.931	6.657	95.183
1999 Total	21.623	22.909	37.838	82.428	7.610	3.268	.331	.069	.046	2.967	6.681	96.817
2000 Total	22.580	23.824	38.264	84.733	7.862	2.811	.317	.066	.057	3.013	6.264	98.975
2001 Total	21.914	22.773	38.186	82.903	8.033	2.242	.311	.065	.070	2.627	5.316	96.326
2002 Total	21.904	23.558	38.227	83.750	8.143	2.689	.328	.064	.105	2.706	5.893	97.858
2003 Total	22.321	22.897	38.809	84.078	7.959	2.825	.331	.064	.115	2.817	6.150	98.209
2004 Total	22.466	22.931	40.294	85.830	8.222	2.690	.341	.065	.142	3.023	6.261	100.351
2005 Total	22.797	22.583	40.393	85.817	8.160	2.703	.343	.066	.178	3.154	6.444	100.506
2006 January	1.910	2.217	3.361	7.489	.750	.272	.029	.006	.024	.285	.615	8.860
February	1.781	2.195	3.056	7.036	.653	.246	.026	.005	.019	.254	.550	8.245
March	1.814	2.175	3.388	7.384	.665	.244	.030	.006	.023	.273	.576	8.631
April	1.603	1.720	3.212	6.538	.601	.283	.027	.006	.025	.261	.602	7.745
May	1.766	1.562	3.356	6.687	.655	.306	.026	.006	.024	.277	.640	7.987
June	1.903	1.585	3.326	6.820	.714	.295	.028	.006	.020	.281	.630	8.169
July	2.102	1.799	3.401	7.306	.753	.252	.030	.006	.019	.290	.598	8.667
August	2.123	1.791	3.515	7.432	.751	.216	.030	.007	.016	.293	.561	8.755
September	1.843	1.493	3.260	6.609	.695	.171	.029	.006	.019	.283	.507	7.812
October	1.840	1.680	3.402	6.935	.600	.169	.030	.006	.024	.292	.521	8.058
November	1.807	1.805	3.276	6.888	.641	.201	.028	.006	.025	.287	.547	8.078
December	1.956	2.169	3.405	7.533	.735	.214	.030	.006	.025	.299	.574	8.850
<b>Total</b>	<b>22.447</b>	<b>22.191</b>	<b>39.958</b>	<b>84.657</b>	<b>8.214</b>	<b>2.869</b>	<b>.343</b>	<b>.072</b>	<b>.264</b>	<b>3.374</b>	<b>6.922</b>	<b>99.856</b>
2007 January	1.992	R 2.518	3.363	7.877	.772	.262	.031	.006	.024	.301	.624	R 9.279
February	1.834	2.621	3.148	7.604	.681	.185	.028	.006	.025	.275	.520	8.814
March	1.794	2.165	3.358	7.316	.671	.241	.029	.007	.030	.297	.604	8.596
April	1.666	1.843	3.250	6.761	.598	.237	.028	.007	.032	.289	.592	7.960
May	1.777	1.591	3.371	6.742	.678	.257	.028	.007	.028	.298	.618	8.052
June	1.954	1.585	3.277	6.822	.719	.227	.030	.007	.024	.296	.583	8.135
July	2.089	R 1.703	3.389	R 7.179	.759	.224	.030	.007	.019	.310	.590	8.542
August	2.139	R 1.981	3.435	7.558	.759	.198	.030	.007	.024	.309	.569	R 8.896
September	1.912	1.627	3.226	6.769	.705	.145	.029	.007	.026	.299	.507	R 7.985
October	1.836	1.674	3.339	6.849	.644	.147	.030	.007	.030	.312	.526	8.026
November	1.800	1.872	3.240	6.917	.678	.156	.029	.006	.027	.311	.529	8.132
December	1.983	2.456	3.377	7.819	.751	.183	.030	.006	.028	.324	.573	9.150
<b>Total</b>	<b>22.776</b>	R <b>23.636</b>	<b>39.773</b>	R <b>86.211</b>	<b>8.415</b>	<b>2.463</b>	<b>.353</b>	<b>.080</b>	<b>.319</b>	<b>3.620</b>	<b>6.835</b>	R <b>101.568</b>
2008 January	2.032	2.785	3.276	8.097	.738	.222	.028	.006	.037	.312	.606	9.452
February	1.875	2.548	3.011	7.436	.678	.201	.026	.006	.032	.295	.561	8.685
March	1.810	2.328	3.211	7.356	.675	.227	.029	.007	.041	.310	.614	8.652
April	R 1.690	R 1.865	3.106	R 6.669	.598	.219	.029	.007	.045	.313	.612	R 7.888
May	R 1.788	R 1.615	3.203	6.608	.676	.280	.030	.007	.044	.324	.685	7.977
June	R 1.940	R 1.649	3.069	R 6.667	R .733	R .306	.030	.007	R .043	R .323	R .708	R 8.118
July	F 2.079	1.838	3.148	7.071	F .769	F .233	.031	.007	F .035	.348	E .655	E 8.511
<b>7-Month Total</b>	<b>E 13.213</b>	<b>14.630</b>	<b>22.024</b>	<b>49.905</b>	<b>E 4.866</b>	<b>E 1.688</b>	<b>.203</b>	<b>.048</b>	<b>E .277</b>	<b>2.224</b>	<b>E 4.440</b>	<b>E 59.283</b>
2007 7-Month Total	13.106	14.026	23.157	50.299	4.878	1.633	.204	.047	.183	2.065	4.132	59.378
2006 7-Month Total	12.877	13.254	23.101	49.261	4.791	1.898	.195	.042	.155	1.920	4.211	58.303

<sup>a</sup> Most data are estimates. See Tables 10.1-10.2c for notes on series components and estimation.

<sup>b</sup> Natural gas only; excludes supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.

<sup>c</sup> Petroleum products supplied, including natural gas plant liquids and crude oil burned as fuel. Does not include the fuel ethanol portion of motor gasoline—fuel ethanol is included in "Biomass."

<sup>d</sup> Includes coal coke net imports. See Tables 1.4a and 1.4b.

<sup>e</sup> Conventional hydroelectric power.

<sup>f</sup> Includes coal coke net imports and electricity net imports, which are not separately displayed. See Tables 1.4a and 1.4b.

R=Revised. E=Estimate. NA=Not available. F=Forecast. (s)=Less than 0.5 trillion Btu.

Notes: • See Note 2, "Primary Energy Consumption," at end of section.

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

• Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available data beginning in 1973.

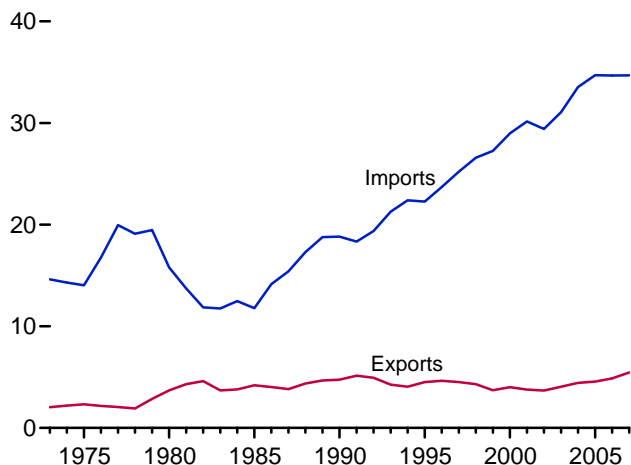
Sources: • Coal: Tables 6.1 and A5. • Natural Gas: Tables 4.1 and A4.

• Petroleum: Table 3.6. • Nuclear Electric Power: Tables 7.2a and A6

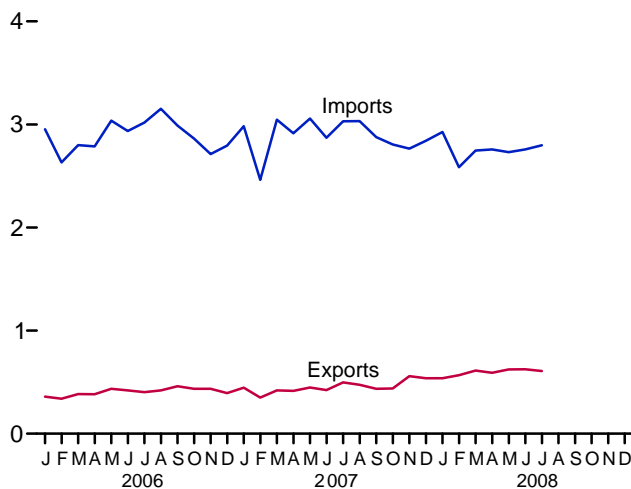
("Nuclear Plants" heat rate). • Renewable Energy: Table 10.1. • Net Imports of Coal Coke and Electricity: Tables 1.4a and 1.4b.

**Figure 1.4a Energy Imports and Exports**  
(Quadrillion Btu)

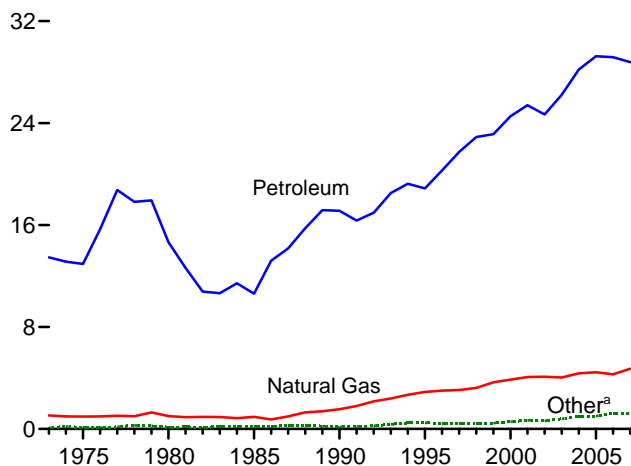
Total Imports and Exports, 1973-2007



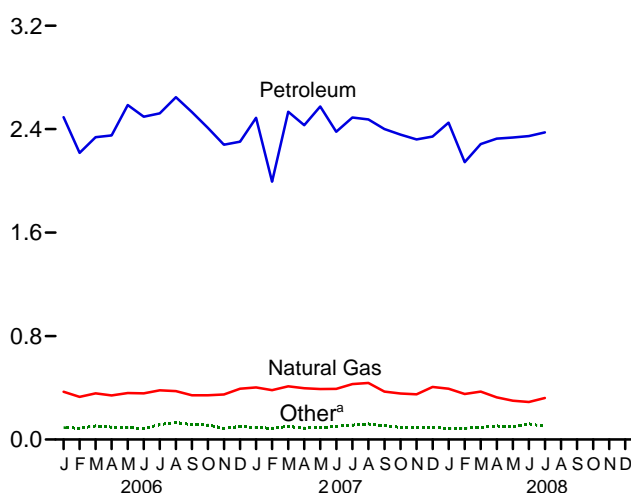
Total Imports and Exports, Monthly



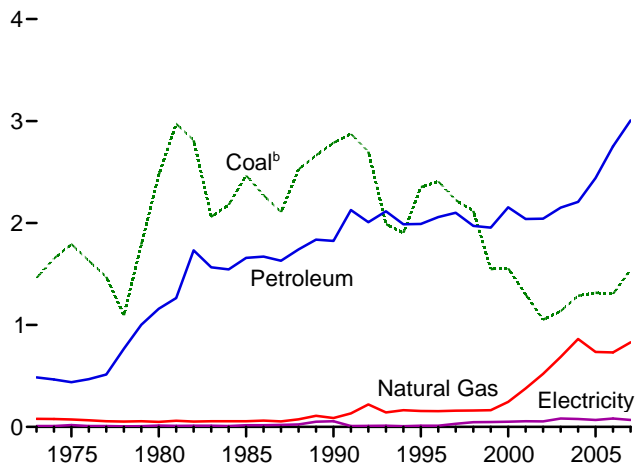
Imports by Source, 1973-2007



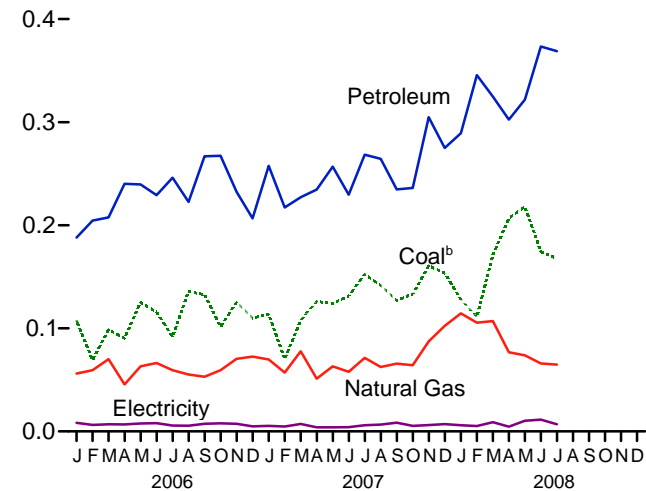
Imports by Source, Monthly



Exports by Source, 1973-2007



Exports by Source, Monthly



<sup>a</sup>Coal, coal coke, fuel ethanol, and electricity.

<sup>b</sup>Includes coal coke.

Note: Because vertical scales differ, graphs should not be compared.

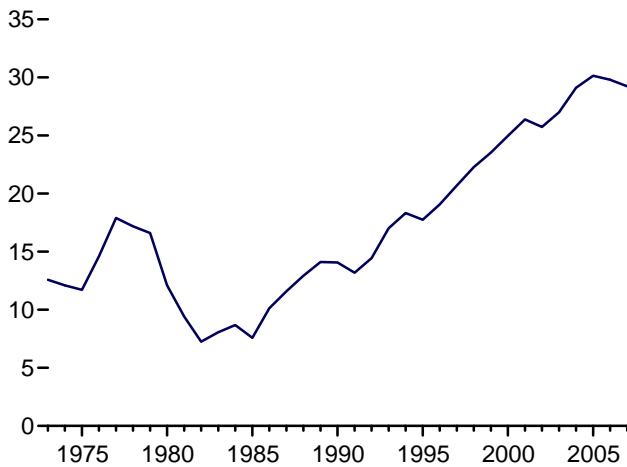
Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.

Sources: Tables 1.4a and 1.4b.

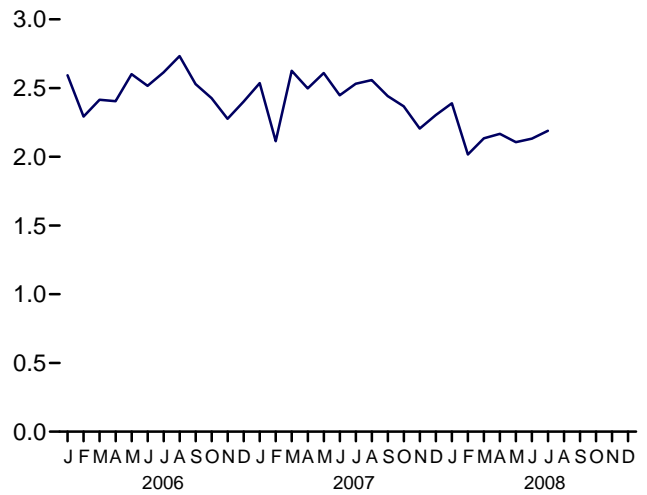


**Figure 1.4b Energy Net Imports**  
(Quadrillion Btu, Except as noted)

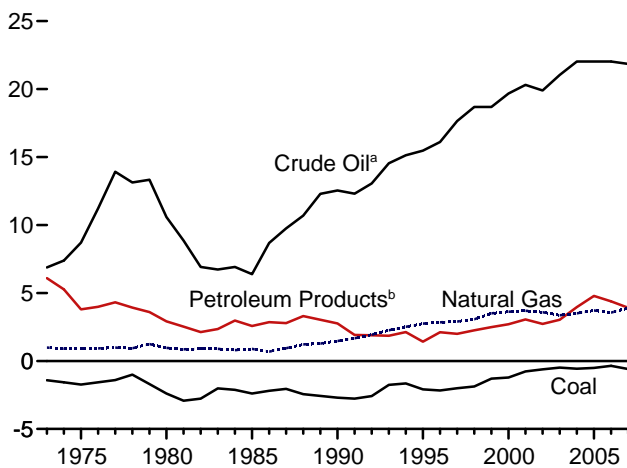
Total, 1973-2007



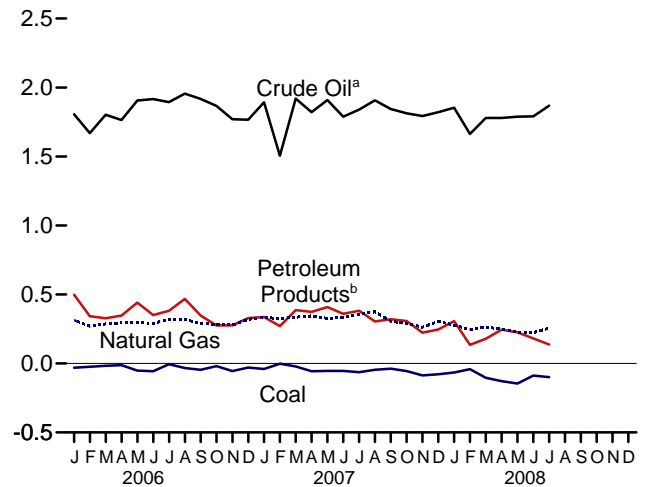
Total, Monthly



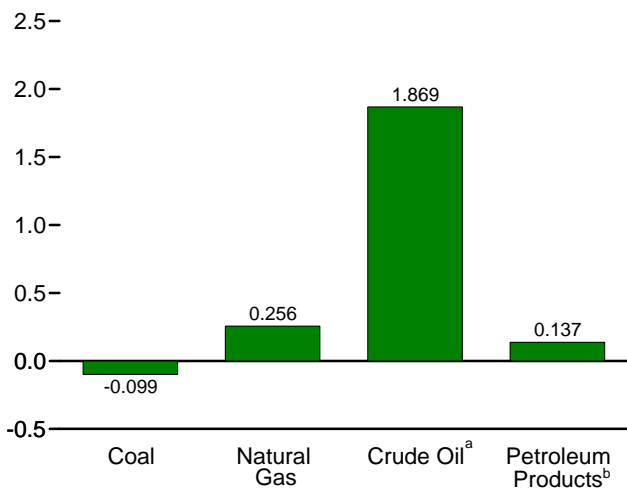
By Major Sources, 1973-2007



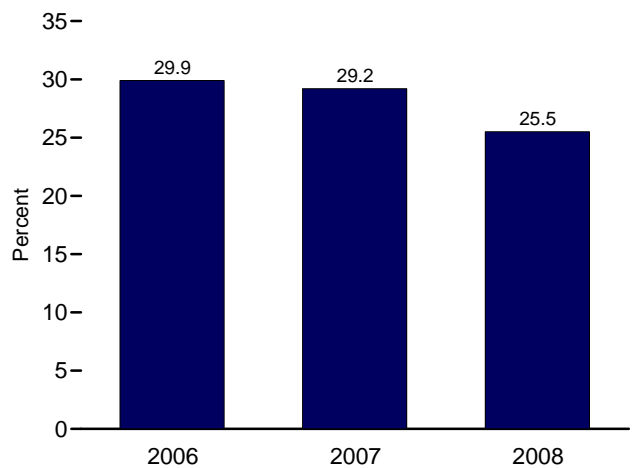
By Major Sources, Monthly



By Major Sources, July 2008



As Share of Consumption, January-July



<sup>a</sup>Crude oil and lease condensate. Includes imports into the Strategic Petroleum Reserve, which began in 1977.  
<sup>b</sup>Petroleum products, unfinished oils, pentanes plus, and gasoline blending components. Does not include fuel ethanol.

Note: Because vertical scales differ, graphs should not be compared.  
Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.  
Sources: Tables 1.3, 1.4a, and 1.4b.

**Table 1.4a Energy Imports by Source**  
(Quadrillion Btu)

	Imports								
	Coal	Coal Coke	Natural Gas	Petroleum			Fuel Ethanol	Electricity	Total
				Crude Oil <sup>a</sup>	Petroleum Products <sup>b</sup>	Total			
<b>1973 Total</b> .....	<b>0.003</b>	<b>0.027</b>	<b>1.060</b>	<b>6.887</b>	<b>6.578</b>	<b>13.466</b>	<b>NA</b>	<b>0.057</b>	<b>14.613</b>
<b>1975 Total</b> .....	<b>.024</b>	<b>.045</b>	<b>.978</b>	<b>8.721</b>	<b>4.227</b>	<b>12.948</b>	<b>NA</b>	<b>.038</b>	<b>14.032</b>
<b>1980 Total</b> .....	<b>.030</b>	<b>.016</b>	<b>1.006</b>	<b>11.195</b>	<b>3.463</b>	<b>14.658</b>	<b>NA</b>	<b>.085</b>	<b>15.796</b>
<b>1985 Total</b> .....	<b>.049</b>	<b>.014</b>	<b>.952</b>	<b>6.814</b>	<b>3.796</b>	<b>10.609</b>	<b>NA</b>	<b>.157</b>	<b>11.781</b>
<b>1990 Total</b> .....	<b>.067</b>	<b>.019</b>	<b>1.551</b>	<b>12.766</b>	<b>4.351</b>	<b>17.117</b>	<b>NA</b>	<b>.063</b>	<b>18.817</b>
<b>1995 Total</b> .....	<b>.237</b>	<b>.095</b>	<b>2.901</b>	<b>15.669</b>	<b>3.211</b>	<b>18.881</b>	<b>.001</b>	<b>.146</b>	<b>22.260</b>
<b>1996 Total</b> .....	<b>.203</b>	<b>.063</b>	<b>3.002</b>	<b>16.341</b>	<b>3.943</b>	<b>20.284</b>	<b>.001</b>	<b>.148</b>	<b>23.702</b>
<b>1997 Total</b> .....	<b>.187</b>	<b>.078</b>	<b>3.063</b>	<b>17.876</b>	<b>3.864</b>	<b>21.740</b>	<b>(s)</b>	<b>.147</b>	<b>25.215</b>
<b>1998 Total</b> .....	<b>.218</b>	<b>.095</b>	<b>3.225</b>	<b>18.916</b>	<b>3.992</b>	<b>22.908</b>	<b>(s)</b>	<b>.135</b>	<b>26.581</b>
<b>1999 Total</b> .....	<b>.227</b>	<b>.080</b>	<b>3.664</b>	<b>18.935</b>	<b>4.198</b>	<b>23.133</b>	<b>(s)</b>	<b>.147</b>	<b>27.252</b>
<b>2000 Total</b> .....	<b>.313</b>	<b>.094</b>	<b>3.869</b>	<b>19.783</b>	<b>4.749</b>	<b>24.531</b>	<b>(s)</b>	<b>.166</b>	<b>28.973</b>
<b>2001 Total</b> .....	<b>.495</b>	<b>.063</b>	<b>4.068</b>	<b>20.348</b>	<b>5.051</b>	<b>25.398</b>	<b>.001</b>	<b>.131</b>	<b>30.157</b>
<b>2002 Total</b> .....	<b>.422</b>	<b>.080</b>	<b>4.104</b>	<b>19.920</b>	<b>4.754</b>	<b>24.674</b>	<b>.001</b>	<b>.125</b>	<b>29.407</b>
<b>2003 Total</b> .....	<b>.626</b>	<b>.068</b>	<b>4.042</b>	<b>21.060</b>	<b>5.159</b>	<b>26.219</b>	<b>.001</b>	<b>.104</b>	<b>31.060</b>
<b>2004 Total</b> .....	<b>.682</b>	<b>.170</b>	<b>4.365</b>	<b>22.082</b>	<b>6.114</b>	<b>28.196</b>	<b>.013</b>	<b>.117</b>	<b>33.543</b>
<b>2005 Total</b> .....	<b>.762</b>	<b>.088</b>	<b>4.450</b>	<b>22.091</b>	<b>7.157</b>	<b>29.248</b>	<b>.011</b>	<b>.152</b>	<b>34.710</b>
<b>2006 January</b> .....	<b>.076</b>	<b>.003</b>	<b>.369</b>	<b>1.811</b>	<b>.681</b>	<b>2.491</b>	<b>(s)</b>	<b>.013</b>	<b>2.953</b>
February .....	.068	.005	.329	1.672	.545	2.216	.002	.012	2.632
March .....	.080	.008	.357	1.807	.530	2.337	.003	.013	2.799
April .....	.076	.005	.341	1.769	.582	2.351	.003	.012	2.787
May .....	.069	.008	.359	1.910	.676	2.586	.002	.013	3.037
June .....	.055	.010	.357	1.922	.574	2.496	.005	.013	2.935
July .....	.080	.011	.380	1.896	.625	2.522	.009	.016	3.018
August .....	.096	.009	.374	1.958	.688	2.646	.011	.016	3.152
September .....	.084	.015	.342	1.921	.611	2.532	.008	.007	2.989
October .....	.080	.015	.342	1.873	.536	2.409	.007	.009	2.863
November .....	.066	.005	.348	1.774	.505	2.279	.005	.010	2.712
December .....	.077	.006	.393	1.771	.531	2.302	.004	.012	2.795
<b>Total</b> .....	<b>.906</b>	<b>.101</b>	<b>4.291</b>	<b>22.085</b>	<b>7.083</b>	<b>29.168</b>	<b>.062</b>	<b>.146</b>	<b>34.673</b>
<b>2007 January</b> .....	<b>.071</b>	<b>.006</b>	<b>.403</b>	<b>1.894</b>	<b>.592</b>	<b>2.487</b>	<b>.004</b>	<b>.012</b>	<b>2.982</b>
February .....	.066	.003	.382	1.510	.484	1.994	.004	.014	2.463
March .....	.082	.003	.412	1.926	.608	2.533	.003	.013	3.046
April .....	.067	.004	.397	1.824	.605	2.429	.003	.014	2.914
May .....	.067	.006	.390	1.916	.659	2.575	.002	.017	3.058
June .....	.076	.007	.391	1.798	.581	2.379	.003	.015	2.871
July .....	.084	.003	.429	1.844	.645	2.489	.005	.019	3.030
August .....	.093	.005	.437	1.914	.560	2.474	.006	.018	3.033
September .....	.087	.005	.370	1.851	.549	2.400	.002	.013	2.877
October .....	.072	.005	.356	1.815	.542	2.357	.004	.012	2.806
November .....	.072	.007	.349	1.796	.524	2.320	.001	.015	2.764
December .....	.070	.008	.407	1.825	.517	2.342	.001	.014	2.841
<b>Total</b> .....	<b>.909</b>	<b>.061</b>	<b>4.723</b>	<b>21.914</b>	<b>6.867</b>	<b>28.780</b>	<b>.037</b>	<b>.175</b>	<b>34.685</b>
<b>2008 January</b> .....	<b>.060</b>	<b>.007</b>	<b>.393</b>	<b>1.855</b>	<b>.594</b>	<b>2.449</b>	<b>.002</b>	<b>.017</b>	<b>2.927</b>
February .....	.065	.006	.352	1.667	.477	2.144	.002	.016	2.585
March .....	.066	.009	.370	1.784	.499	2.283	.001	.016	2.746
April .....	.075	.011	.326	1.781	.545	2.326	.005	.014	2.757
May .....	.068	.007	.300	1.792	.544	2.335	.003	.018	2.731
June .....	.082	.013	<sup>R</sup> .290	1.794	.551	2.346	.006	.021	<sup>R</sup> 2.757
July .....	.064	.010	.321	1.874	.501	2.375	.005	.023	2.797
<b>7-Month Total</b> .....	<b>.480</b>	<b>.062</b>	<b>2.352</b>	<b>12.549</b>	<b>3.710</b>	<b>16.259</b>	<b>.023</b>	<b>.125</b>	<b>19.301</b>
<b>2007 7-Month Total</b> .....	<b>.514</b>	<b>.031</b>	<b>2.803</b>	<b>12.713</b>	<b>4.174</b>	<b>16.887</b>	<b>.024</b>	<b>.104</b>	<b>20.363</b>
<b>2006 7-Month Total</b> .....	<b>.502</b>	<b>.051</b>	<b>2.492</b>	<b>12.786</b>	<b>4.213</b>	<b>16.999</b>	<b>.026</b>	<b>.091</b>	<b>20.162</b>

<sup>a</sup> Crude oil and lease condensate. Includes imports into the Strategic Petroleum Reserve, which began in 1977.

<sup>b</sup> Petroleum products, unfinished oils, pentanes plus, and gasoline blending components. Does not include fuel ethanol.

R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available

data beginning in 1973.

Sources: • **Coal:** Tables 6.1 and A5. • **Coal Coke: 1973-1975**—U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coke and Coal Chemicals" chapter. **1976-1980**—Energy Information Administration (EIA), *Energy Data Report*, "Coke and Coal Chemicals," annual reports. **1981 forward**—EIA, *Quarterly Coal Report*, quarterly reports. • **Natural Gas:** Tables 4.1 and A4. • **Crude Oil and Petroleum Products:** Tables 3.1, 10.3, and A2. • **Fuel Ethanol:** Table 10.3. • **Electricity:** Tables 7.1 and A6.

**Table 1.4b Energy Exports by Source and Total Net Imports**  
(Quadrillion Btu)

	Exports								Net Imports <sup>a</sup>
	Coal	Coal Coke	Natural Gas	Petroleum			Electricity	Total	Total
				Crude Oil <sup>b</sup>	Petroleum Products <sup>c</sup>	Total			
<b>1973 Total</b> .....	1.425	0.035	0.079	0.004	0.482	0.486	0.009	2.033	12.580
<b>1975 Total</b> .....	1.761	.032	.074	.012	.427	.439	.017	2.323	11.709
<b>1980 Total</b> .....	2.421	.051	.049	.609	.551	1.160	.014	3.695	12.101
<b>1985 Total</b> .....	2.438	.028	.056	.432	1.225	1.657	.017	4.196	7.584
<b>1990 Total</b> .....	2.772	.014	.087	.230	1.594	1.824	.055	4.752	14.065
<b>1995 Total</b> .....	2.318	.034	.156	.200	1.791	1.991	.012	4.511	17.750
<b>1996 Total</b> .....	2.368	.040	.155	.233	1.825	2.059	.011	4.633	19.069
<b>1997 Total</b> .....	2.193	.031	.159	.228	1.872	2.100	.031	4.514	20.701
<b>1998 Total</b> .....	2.092	.028	.161	.233	1.740	1.972	.047	4.299	22.281
<b>1999 Total</b> .....	1.525	.022	.164	.250	1.705	1.955	.049	3.715	23.537
<b>2000 Total</b> .....	1.528	.028	.245	.106	2.048	2.154	.051	4.006	24.967
<b>2001 Total</b> .....	1.265	.033	.377	.043	1.996	2.039	.056	3.770	26.386
<b>2002 Total</b> .....	1.032	.020	.520	.019	2.023	2.042	.054	3.668	25.739
<b>2003 Total</b> .....	1.117	.018	.686	.026	2.124	2.151	.082	4.054	27.007
<b>2004 Total</b> .....	1.253	.033	.862	.057	2.151	2.208	.078	4.433	29.110
<b>2005 Total</b> .....	1.273	.043	.735	.067	2.374	2.442	.068	4.561	30.149
<b>2006</b> January .....	.107	.001	.056	.005	.183	.188	.008	.360	2.593
February .....	.068	.002	.059	.002	.202	.204	.006	.339	2.293
March .....	.097	.002	.070	.005	.202	.208	.007	.383	2.415
April .....	.089	.002	.046	.005	.236	.240	.007	.383	2.405
May .....	.121	.005	.063	.005	.235	.240	.008	.436	2.601
June .....	.111	.004	.066	.006	.223	.229	.008	.419	2.516
July .....	.085	.007	.059	.002	.244	.246	.006	.403	2.615
August .....	.130	.006	.055	.003	.220	.223	.005	.419	2.733
September .....	.130	.002	.053	.004	.263	.267	.007	.460	2.529
October .....	.099	.002	.059	.007	.261	.267	.008	.436	2.427
November .....	.121	.004	.070	.004	.228	.232	.007	.435	2.277
December .....	.106	.003	.073	.005	.202	.207	.005	.394	2.401
<b>Total</b> .....	1.264	.040	.730	.052	2.699	2.751	.083	4.868	29.805
<b>2007</b> January .....	.111	.003	.070	.002	.256	.258	.005	.447	2.536
February .....	.068	.002	.057	.004	.213	.217	.005	.349	2.113
March .....	.104	.004	.078	.006	.221	.227	.007	.420	2.626
April .....	.123	.003	.051	.003	.231	.235	.004	.416	2.498
May .....	.121	.003	.063	.006	.250	.257	.004	.448	2.610
June .....	.130	.001	.058	.009	.221	.230	.004	.423	2.448
July .....	.148	.005	.071	.005	.264	.268	.006	.498	2.532
August .....	.139	.002	.062	.008	.257	.264	.007	.475	2.558
September .....	.125	.002	.066	.006	.229	.235	.008	.436	2.441
October .....	.128	.006	.064	.002	.234	.236	.005	.439	2.367
November .....	.159	.002	.087	.003	.301	.305	.006	.559	2.206
December .....	.149	.004	.102	.004	.271	.275	.007	.538	2.303
<b>Total</b> .....	1.507	.036	.830	.058	2.949	3.007	.069	5.448	29.238
<b>2008</b> January .....	.125	.003	.114	.002	.287	.289	.006	.538	2.389
February .....	.107	.004	.106	.003	.342	.346	.005	.567	2.017
March .....	.170	.001	.107	.005	.320	.325	.009	.612	2.134
April .....	.203	.004	.077	.002	.300	.302	.005	.591	2.167
May .....	.214	.004	.074	.003	.318	.322	.010	.624	2.107
June .....	.171	.004	<sup>R</sup> .066	.004	.370	.373	.011	<sup>R</sup> .625	<sup>R</sup> 2.132
July .....	.163	.005	.065	.005	.364	.369	.007	.608	2.189
<b>7-Month Total</b> .....	1.153	.024	.608	.026	2.301	2.326	.053	4.165	15.136
<b>2007 7-Month Total</b> .....	.806	.020	.448	.036	1.656	1.692	.035	3.001	17.362
<b>2006 7-Month Total</b> .....	.677	.022	.420	.030	1.525	1.555	.050	2.723	17.439

<sup>a</sup> Net imports equal imports minus exports.

<sup>b</sup> Crude oil and lease condensate.

<sup>c</sup> Petroleum products, unfinished oils, pentanes plus, and gasoline blending components.

R=Revised.

Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

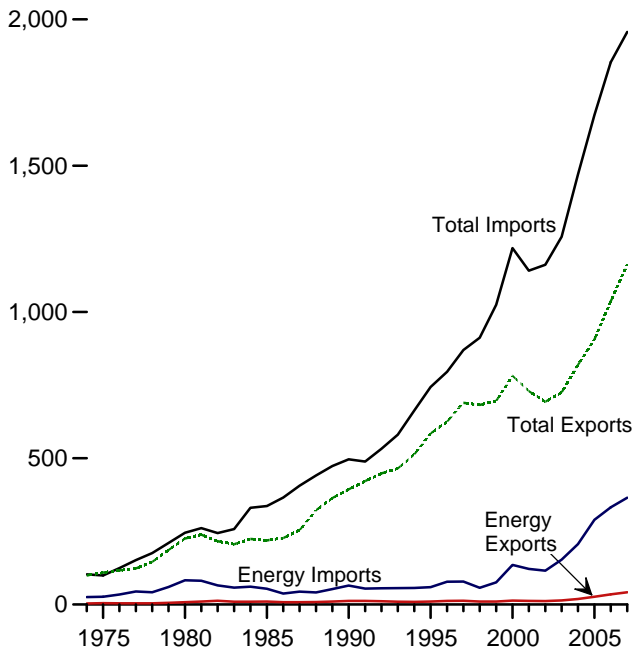
Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available

data beginning in 1973.

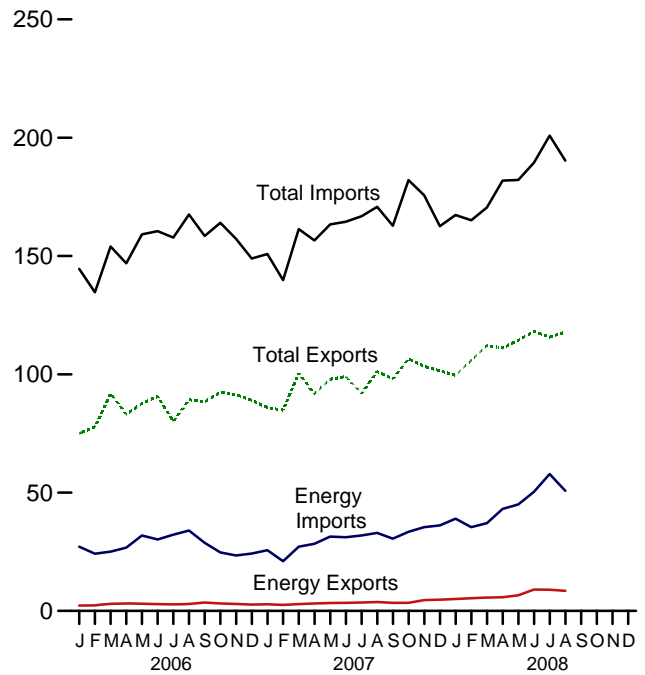
Sources: • **Coal:** Tables 6.1 and A5. • **Coal Coke:** 1973-1975—U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook*, "Coke and Coal Chemicals" chapter. 1976-1980—Energy Information Administration (EIA), *Energy Data Report*, "Coke and Coal Chemicals," annual reports. 1981 forward—EIA, *Quarterly Coal Report*, quarterly reports. • **Natural Gas:** Tables 4.1 and A4. • **Crude Oil and Petroleum Products:** Tables 3.1 and A2. • **Electricity:** Tables 7.1 and A6.

**Figure 1.5 Merchandise Trade Value**  
(Billion Nominal Dollars)

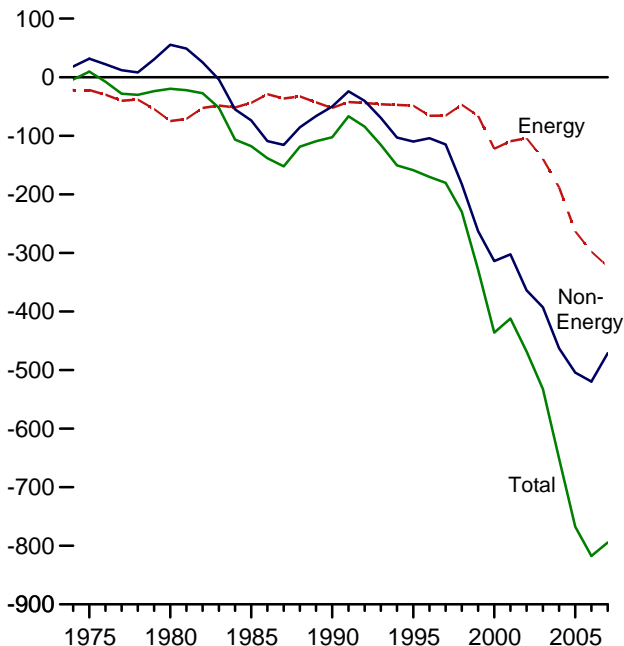
Imports and Exports, 1974-2007



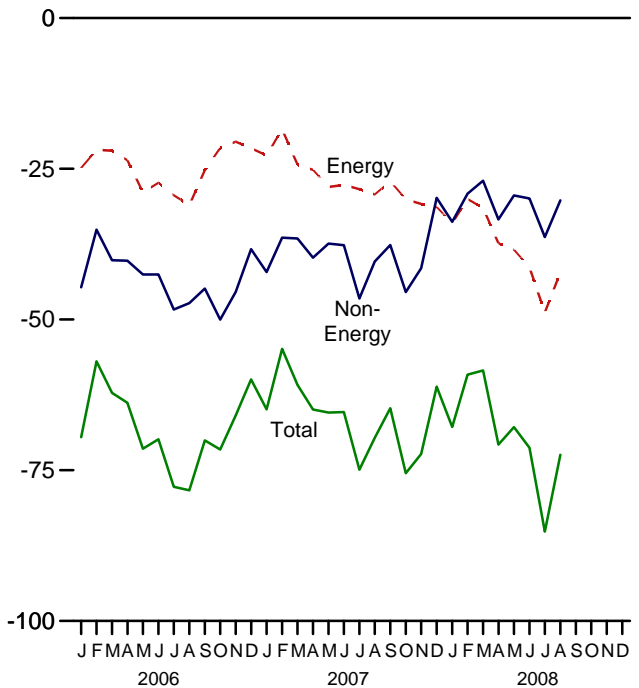
Imports and Exports, Monthly



Trade Balance, 1974-2007



Trade Balance, Monthly



Notes: • See "Nominal Price" in Glossary.  
• Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.  
Source: Table 1.5.

**Table 1.5 Merchandise Trade Value**  
(Million Nominal Dollars)

	Petroleum <sup>a</sup>			Energy <sup>b</sup>			Non-Energy Balance	Total Merchandise		
	Exports	Imports	Balance	Exports	Imports	Balance		Exports	Imports	Balance
<b>1974 Total</b> .....	792	24,668	-23,876	3,444	25,454	-22,010	18,126	99,437	103,321	-3,884
<b>1975 Total</b> .....	907	25,197	-24,289	4,470	26,476	-22,006	31,557	108,856	99,305	9,551
<b>1980 Total</b> .....	2,833	78,637	-75,803	7,982	82,924	-74,942	55,246	225,566	245,262	-19,696
<b>1985 Total</b> .....	4,707	50,475	-45,768	9,971	53,917	-43,946	-73,765	218,815	336,526	-117,712
<b>1990 Total</b> .....	6,901	61,583	-54,682	12,233	64,661	-52,428	-50,068	393,592	496,088	-102,496
<b>1995 Total</b> .....	6,321	54,368	-48,047	10,358	59,109	-48,751	-110,050	584,742	743,543	-158,801
<b>1996 Total</b> .....	7,984	72,022	-64,038	12,181	78,086	-65,905	-104,309	625,075	795,289	-170,214
<b>1997 Total</b> .....	8,592	71,152	-62,560	12,682	78,277	-65,595	-114,927	689,182	869,704	-180,522
<b>1998 Total</b> .....	6,574	50,264	-43,690	10,251	57,323	-47,072	-182,686	682,138	911,896	-229,758
<b>1999 Total</b> .....	7,118	67,173	-60,055	9,880	75,803	-65,923	-262,898	695,797	1,024,618	-328,821
<b>2000 Total</b> .....	10,192	119,251	-109,059	13,179	135,367	-122,188	-313,916	781,918	1,218,022	-436,104
<b>2001 Total</b> .....	8,868	102,747	-93,879	12,494	121,923	-109,429	-302,470	729,100	1,140,999	-411,899
<b>2002 Total</b> .....	8,569	102,663	-94,094	11,541	115,748	-104,207	-364,056	693,103	1,161,366	-468,263
<b>2003 Total</b> .....	10,209	132,433	-122,224	13,768	153,298	-139,530	-392,820	724,771	1,257,121	-532,350
<b>2004 Total</b> .....	13,130	179,266	-166,136	18,642	206,660	-188,018	-462,912	818,775	1,469,704	-650,930
<b>2005 Total</b> .....	19,155	250,068	-230,913	26,488	289,723	-263,235	-504,242	905,978	1,673,455	-767,477
<b>2006</b> January .....	1,701	23,245	-21,544	2,263	27,130	-24,867	-44,655	75,040	144,562	-69,522
February .....	1,778	21,324	-19,546	2,358	24,201	-21,843	-35,109	77,750	134,702	-56,952
March .....	2,386	22,242	-19,856	3,024	25,025	-22,001	-40,175	91,864	154,040	-62,176
April .....	2,531	24,086	-21,555	3,150	26,732	-23,582	-40,240	83,097	146,919	-63,822
May .....	2,449	29,182	-26,733	2,979	31,876	-28,897	-42,522	87,746	159,164	-71,419
June .....	2,318	27,751	-25,433	2,848	30,176	-27,328	-42,537	90,622	160,487	-69,865
July .....	2,445	29,530	-27,085	2,832	32,231	-29,399	-48,346	80,023	157,768	-77,745
August .....	2,387	30,934	-28,547	2,924	33,969	-31,045	-47,284	89,228	167,558	-78,329
September .....	3,047	26,477	-23,430	3,561	28,757	-25,196	-44,865	88,408	158,470	-70,061
October .....	2,650	22,671	-20,021	3,172	24,724	-21,552	-50,008	92,468	164,028	-71,560
November .....	2,365	20,779	-18,414	2,935	23,432	-20,497	-45,425	91,367	157,288	-65,922
December .....	2,114	21,492	-19,378	2,665	24,248	-21,583	-38,348	89,021	148,952	-59,931
<b>Total</b> .....	<b>28,171</b>	<b>299,714</b>	<b>-271,543</b>	<b>34,711</b>	<b>332,500</b>	<b>-297,789</b>	<b>-519,515</b>	<b>1,036,635</b>	<b>1,853,938</b>	<b>-817,304</b>
<b>2007</b> January .....	2,239	22,693	-20,454	2,833	25,630	-22,797	-42,118	85,918	150,833	-64,915
February .....	2,006	17,840	-15,834	2,549	20,993	-18,444	-36,429	84,921	139,793	-54,873
March .....	2,270	23,944	-21,674	2,871	27,170	-24,299	-36,552	100,511	161,363	-60,851
April .....	2,418	25,189	-22,771	3,167	28,335	-25,168	-39,750	91,665	156,583	-64,918
May .....	2,566	28,071	-25,505	3,375	31,380	-28,005	-37,416	97,902	163,323	-65,421
June .....	2,590	27,645	-25,055	3,447	31,110	-27,663	-37,677	99,122	164,462	-65,340
July .....	2,863	28,578	-25,715	3,517	31,902	-28,385	-46,523	91,857	166,765	-74,908
August .....	3,003	29,762	-26,759	3,720	32,967	-29,247	-40,376	101,143	170,766	-69,623
September .....	2,715	28,065	-25,350	3,447	30,514	-27,067	-37,637	98,068	162,772	-64,704
October .....	2,790	30,728	-27,938	3,384	33,428	-30,044	-45,438	106,563	182,044	-75,482
November .....	3,882	32,440	-28,558	4,569	35,384	-30,815	-41,486	103,362	175,663	-72,301
December .....	3,952	32,669	-28,717	4,844	36,173	-31,329	-29,817	101,448	162,594	-61,146
<b>Total</b> .....	<b>33,293</b>	<b>327,620</b>	<b>-294,327</b>	<b>41,725</b>	<b>364,987</b>	<b>-323,262</b>	<b>-471,221</b>	<b>1,162,479</b>	<b>1,956,962</b>	<b>-794,483</b>
<b>2008</b> January .....	3,996	36,383	-32,387	4,948	38,973	-34,025	-33,787	99,549	167,362	-67,812
February .....	4,668	31,876	-27,208	5,360	35,388	-30,028	-29,123	105,930	165,081	-59,151
March .....	4,453	33,645	-29,192	5,630	37,118	-31,488	-26,966	112,085	170,539	-58,454
April .....	4,322	39,242	-34,920	5,749	43,100	-37,351	-33,398	111,131	181,880	-70,749
May .....	5,098	41,370	-36,272	6,565	44,979	-38,414	-29,431	114,291	182,136	-67,845
June .....	7,760	46,643	-38,883	9,015	50,351	-41,336	-29,927	118,184	189,447	-71,263
July .....	7,819	54,451	-46,632	8,982	57,840	-48,858	<sup>R</sup> -36,323	<sup>R</sup> 115,718	<sup>R</sup> 200,899	<sup>R</sup> -85,181
August .....	7,467	47,246	-39,779	8,510	50,718	-42,208	-30,235	117,860	190,303	-72,443
<b>8-Month Total</b> .....	<b>45,583</b>	<b>330,856</b>	<b>-285,273</b>	<b>54,760</b>	<b>358,468</b>	<b>-303,708</b>	<b>-249,190</b>	<b>894,750</b>	<b>1,447,648</b>	<b>-552,898</b>
<b>2007 8-Month Total</b> .....	<b>19,955</b>	<b>203,722</b>	<b>-183,767</b>	<b>25,480</b>	<b>229,487</b>	<b>-204,008</b>	<b>-316,841</b>	<b>753,039</b>	<b>1,273,889</b>	<b>-520,850</b>
<b>2006 8-Month Total</b> .....	<b>17,995</b>	<b>208,294</b>	<b>-190,299</b>	<b>22,378</b>	<b>231,340</b>	<b>-208,962</b>	<b>-340,868</b>	<b>675,371</b>	<b>1,225,200</b>	<b>-549,830</b>

<sup>a</sup> Crude oil, petroleum preparations, liquefied propane and butane, and other mineral fuels.

<sup>b</sup> Petroleum, coal, natural gas, and electricity.

<sup>R</sup>=Revised.

Notes: • Monthly data are not adjusted for seasonal variations. • See Note 3, "Merchandise Trade Value," at end of section. • Totals may not equal sum of components due to independent rounding. • The U.S. import statistics reflect both

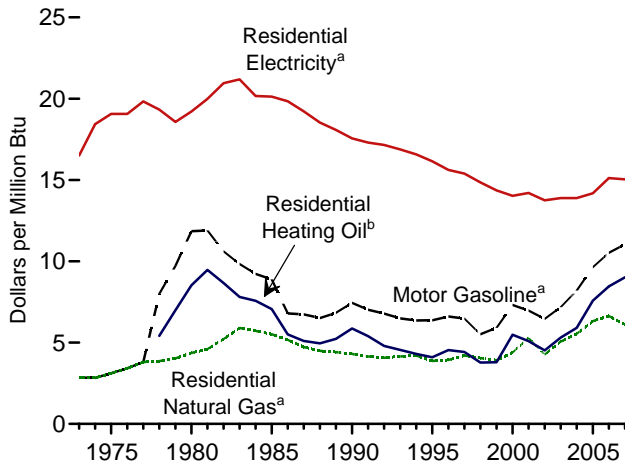
government and nongovernment imports of merchandise from foreign countries into the U.S. customs territory, which comprises the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands. • See "Nominal Price" in Glossary.

Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available data beginning in 1974.

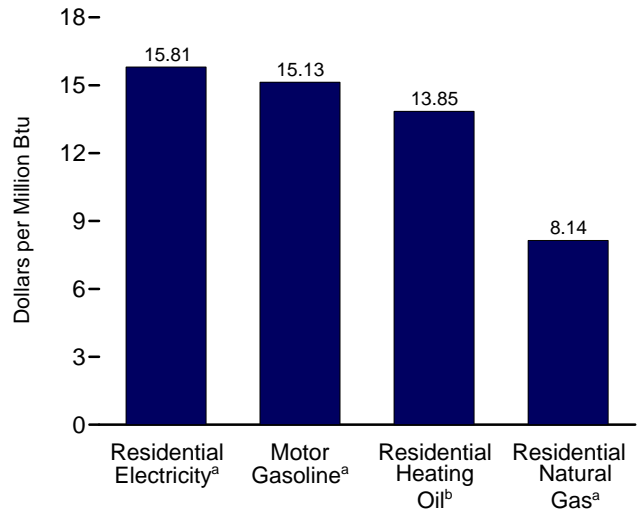
Sources: See end of section.

**Figure 1.6 Cost of Fuels to End Users in Real (1982-1984) Dollars**

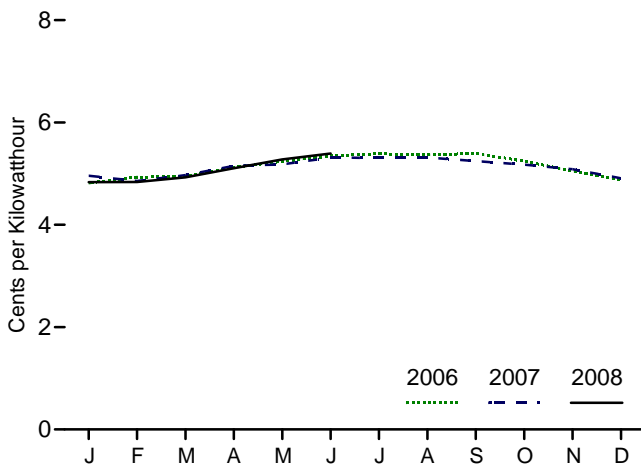
Costs, 1973-2007



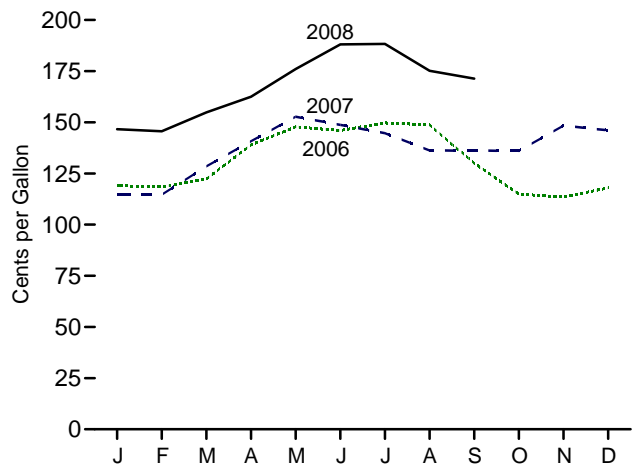
Costs, June 2008



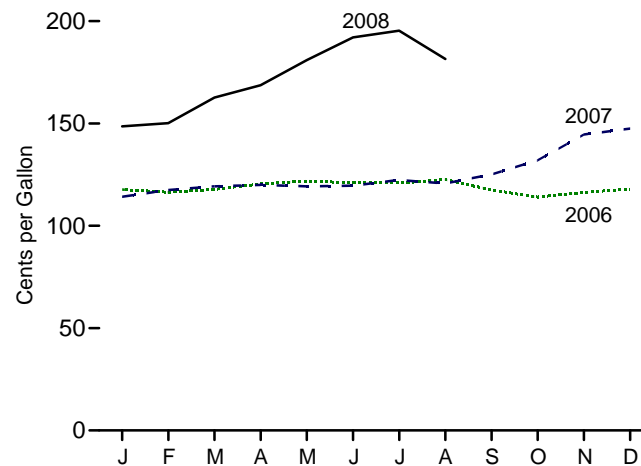
Residential Electricity<sup>a</sup>, Monthly



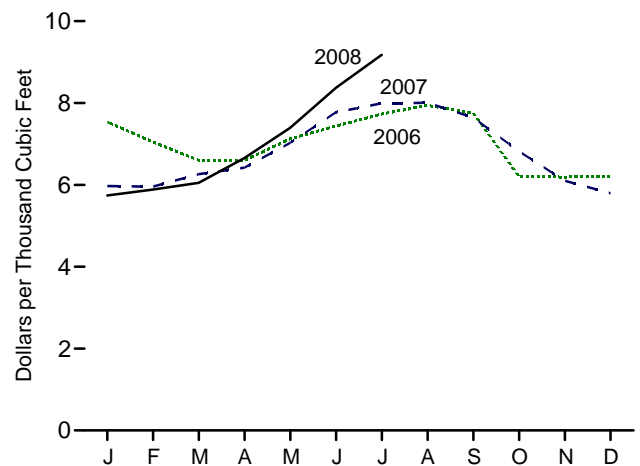
Motor Gasoline<sup>a</sup>, Monthly



Residential Heating Oil<sup>b</sup>, Monthly



Residential Natural Gas<sup>a</sup>, Monthly



<sup>a</sup>Includes taxes.  
<sup>b</sup>Excludes taxes.

Note: Because vertical scales differ, graphs should not be compared.  
 Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.  
 Source: Table 1.6.

**Table 1.6 Cost of Fuels to End Users in Real (1982-1984) Dollars**

	Consumer Price Index, All Urban Consumers <sup>a</sup>	Motor Gasoline <sup>b</sup>		Residential Heating Oil <sup>c</sup>		Residential Natural Gas <sup>b</sup>		Residential Electricity <sup>b</sup>	
	Index 1982-1984=100	Cents per Gallon	Dollars per Million Btu	Cents per Gallon	Dollars per Million Btu	Cents per Thousand Cubic Feet	Dollars per Million Btu	Cents per Kilowatt-hour	Dollars per Million Btu
<b>1973 Average</b> .....	44.4	NA	NA	NA	NA	290.5	2.85	5.6	16.50
<b>1975 Average</b> .....	53.8	NA	NA	NA	NA	317.8	3.12	6.5	19.07
<b>1980 Average</b> .....	82.4	148.2	11.85	118.2	8.52	446.6	4.36	6.6	19.21
<b>1985 Average</b> .....	107.6	111.2	8.89	97.9	7.06	568.8	5.52	6.87	20.13
<b>1990 Average</b> .....	130.7	93.1	7.44	81.3	5.86	443.8	4.31	5.99	17.56
<b>1995 Average</b> .....	152.4	79.1	6.37	56.9	4.10	397.6	3.87	5.51	16.15
<b>1996 Average</b> .....	156.9	82.1	6.61	63.0	4.54	404.1	3.93	5.33	15.62
<b>1997 Average</b> .....	160.5	80.4	6.48	61.3	4.42	432.4	4.21	5.25	15.39
<b>1998 Average</b> .....	163.0	68.4	5.51	52.3	3.77	418.4	4.05	5.07	14.85
<b>1999 Average</b> .....	166.6	73.3	5.91	52.6	3.79	401.6	3.91	4.90	14.36
<b>2000 Average</b> .....	172.2	90.8	7.32	76.1	5.49	450.6	4.39	4.79	14.02
<b>2001 Average</b> .....	177.1	86.4	6.97	70.6	5.09	543.8	5.28	4.84	14.20
<b>2002 Average</b> .....	179.9	80.1	6.46	62.8	4.52	438.6	4.26	4.69	13.75
<b>2003 Average</b> .....	184.0	89.0	7.18	73.6	5.31	523.4	5.07	4.74	13.89
<b>2004 Average</b> .....	188.9	101.8	8.20	81.9	5.91	569.1	5.54	4.74	13.89
<b>2005 Average</b> .....	195.3	119.7	9.64	105.1	7.58	650.3	6.32	4.84	14.18
<b>2006</b> January .....	198.3	119.0	9.58	117.7	8.49	753.4	7.33	4.82	14.11
February .....	198.7	118.5	9.54	116.4	8.39	704.6	6.85	4.93	14.46
March .....	199.8	122.3	9.85	117.8	8.49	660.2	6.42	4.94	14.48
April .....	201.5	139.0	11.19	120.4	8.68	659.6	6.42	5.12	15.01
May .....	202.5	147.8	11.90	121.9	8.79	712.6	6.93	5.24	15.36
June .....	202.9	146.0	11.75	121.1	8.73	743.7	7.23	5.35	15.67
July .....	203.5	149.7	12.05	120.9	8.72	773.0	7.52	5.39	15.78
August .....	203.9	148.7	11.97	122.6	8.84	794.0	7.72	5.37	15.73
September .....	202.9	130.0	10.46	117.4	8.47	775.3	7.54	5.39	15.80
October .....	201.8	114.9	9.25	114.1	8.23	620.4	6.04	5.24	15.37
November .....	201.5	113.5	9.14	116.3	8.38	618.9	6.02	5.05	14.81
December .....	201.8	117.9	9.49	117.9	8.50	621.4	6.04	4.88	14.29
<b>Average</b> .....	<b>201.6</b>	<b>130.7</b>	<b>10.52</b>	<b>117.3</b>	<b>8.46</b>	<b>682.0</b>	<b>6.63</b>	<b>5.16</b>	<b>15.12</b>
<b>2007</b> January .....	202.416	114.7	9.23	114.2	8.23	597.3	5.81	4.96	14.54
February .....	203.499	114.6	9.23	117.5	8.47	595.6	5.79	4.86	14.23
March .....	205.352	128.5	10.34	119.3	8.60	626.2	6.09	4.97	14.57
April .....	206.686	140.7	11.33	120.0	8.65	642.0	6.25	5.15	15.10
May .....	207.949	152.7	12.29	119.3	8.60	702.6	6.83	5.18	15.18
June .....	208.352	148.8	11.97	119.6	8.62	777.5	7.56	5.31	15.57
July .....	208.299	144.6	11.64	122.4	8.82	799.3	7.78	5.31	15.56
August .....	207.917	136.3	10.97	120.7	8.70	800.3	7.79	5.31	15.58
September .....	208.490	136.2	10.96	125.1	9.02	764.5	7.44	5.25	15.38
October .....	208.936	136.1	10.95	132.1	9.52	682.0	6.63	5.17	15.16
November .....	210.177	148.4	11.94	144.6	10.43	610.0	5.93	5.09	14.91
December .....	210.036	146.1	11.76	147.5	10.64	579.4	5.64	4.91	14.39
<b>Average</b> .....	<b>207.342</b>	<b>137.4</b>	<b>11.06</b>	<b>125.0</b>	<b>9.01</b>	<b>627.5</b>	<b>6.10</b>	<b>5.13</b>	<b>15.04</b>
<b>2008</b> January .....	211.080	146.7	11.80	148.6	10.72	574.2	5.59	4.83	14.16
February .....	211.693	145.6	11.72	150.1	10.82	588.6	5.73	4.84	14.18
March .....	213.528	154.9	12.46	162.6	11.73	605.1	5.89	4.93	14.44
April .....	214.823	162.5	13.08	168.7	12.16	665.7	6.48	5.11	14.97
May .....	216.632	176.0	14.16	181.0	13.05	739.5	7.19	5.28	15.46
June .....	218.815	188.1	15.13	R 192.0	R 13.85	R 837.2	8.14	R 5.39	R 15.81
July .....	219.964	188.3	15.15	R 195.4	R 14.09	R 917.9	R 8.93	NA	NA
August .....	219.086	175.2	14.10	RE 181.5	RE 13.09	NA	NA	NA	NA
September .....	218.783	171.4	13.79	NA	NA	NA	NA	NA	NA

<sup>a</sup> Data are U.S. city averages for all items, and are not seasonally adjusted.

<sup>b</sup> Includes taxes.

<sup>c</sup> Excludes taxes.

R=Revised. E=Estimate. NA=Not available.

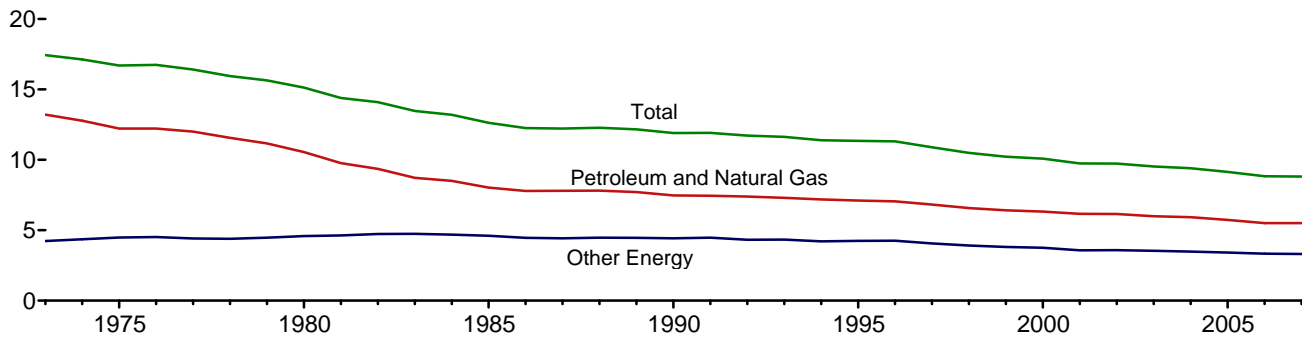
Notes: • Fuel costs are calculated by using the Urban Consumer Price Index (CPI) developed by the Bureau of Labor Statistics. • Annual averages may not equal average of months due to independent rounding. • Geographic

coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/overview.html> for all available data beginning in 1973.

Sources: • **Fuel Prices:** Tables 9.4 (All Types), 9.8c, 9.9, and 9.11, adjusted by the CPI. • **Consumer Price Index, All Urban Consumers:** U.S. Department of Labor, Bureau of Labor Statistics, series ID CUUR0000SA0." • **Conversion Factors:** Tables A1, A3, A4, and A6.

**Figure 1.7 Energy Consumption per Real Dollar of Gross Domestic Product, 1973-2007**  
(Thousand Btu per Chained (2000) Dollar)



Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.  
Source: Table 1.7.

**Table 1.7 Energy Consumption per Real Dollar of Gross Domestic Product**

	Energy Consumption			Gross Domestic Product (GDP)	Energy Consumption per Real Dollar of GDP		
	Petroleum and Natural Gas	Other Energy <sup>a</sup>	Total		Petroleum and Natural Gas	Other Energy <sup>a</sup>	Total
	Quadrillion Btu				Billion Chained (2000) Dollars	Thousand Btu per Chained (2000) Dollar	
1973 Year .....	57.352	18.356	75.708	4,341.5	13.21	4.23	17.44
1974 Year .....	55.187	18.804	73.991	4,319.6	12.78	4.35	17.13
1975 Year .....	52.678	19.321	71.999	4,311.2	12.22	4.48	16.70
1976 Year .....	55.520	20.492	76.012	4,540.9	12.23	4.51	16.74
1977 Year .....	57.053	20.947	78.000	4,750.5	12.01	4.41	16.42
1978 Year .....	57.966	22.021	79.986	5,015.0	11.56	4.39	15.95
1979 Year .....	57.789	23.114	80.903	5,173.4	11.17	4.47	15.64
1980 Year .....	54.438	23.684	78.122	5,161.7	10.55	4.59	15.13
1981 Year .....	51.678	24.490	76.168	5,291.7	9.77	4.63	14.39
1982 Year .....	48.588	24.565	73.153	5,189.3	9.36	4.73	14.10
1983 Year .....	47.275	25.763	73.038	5,423.8	8.72	4.75	13.47
1984 Year .....	49.445	27.269	76.714	5,813.6	8.51	4.69	13.20
1985 Year .....	48.626	27.865	76.491	6,053.7	8.03	4.60	12.64
1986 Year .....	48.787	27.969	76.756	6,263.6	7.79	4.47	12.25
1987 Year .....	50.505	28.668	79.173	6,475.1	7.80	4.43	12.23
1988 Year .....	52.670	30.149	82.819	6,742.7	7.81	4.47	12.28
1989 Year .....	53.813	31.131	84.944	6,981.4	7.71	4.46	12.17
1990 Year .....	53.156	31.496	84.652	7,112.5	7.47	4.43	11.90
1991 Year .....	52.878	31.729	84.607	7,100.5	7.45	4.47	11.92
1992 Year .....	54.240	31.716	85.956	7,336.6	7.39	4.32	11.72
1993 Year .....	54.973	32.630	87.603	7,532.7	7.30	4.33	11.63
1994 Year .....	56.290	32.970	89.260	7,835.5	7.18	4.21	11.39
1995 Year .....	57.108	34.064	91.173	8,031.7	7.11	4.24	11.35
1996 Year .....	58.758	35.417	94.175	8,328.9	7.05	4.25	11.31
1997 Year .....	59.382	35.383	94.765	8,703.5	6.82	4.07	10.89
1998 Year .....	59.647	35.536	95.183	9,066.9	6.58	3.92	10.50
1999 Year .....	60.747	36.070	96.817	9,470.3	6.41	3.81	10.22
2000 Year .....	62.089	36.887	98.975	9,817.0	6.32	3.76	10.08
2001 Year .....	60.959	35.367	96.326	9,890.7	6.16	3.58	9.74
2002 Year .....	61.785	36.073	97.858	10,048.8	6.15	3.59	9.74
2003 Year .....	61.706	36.503	98.209	10,301.0	5.99	3.54	9.53
2004 Year .....	63.226	37.125	100.351	10,675.8	5.92	3.48	9.40
2005 Year .....	62.977	37.529	100.506	10,989.5	5.73	3.41	9.15
2006 Year .....	62.149	37.706	99.856	11,294.8	5.50	3.34	8.84
2007 Year .....	<sup>R</sup> 63.409	38.158	<sup>R</sup> 101.568	11,523.9	5.50	3.31	8.81

<sup>a</sup> Coal, coal coke net imports, nuclear electric power, renewable energy, and electricity net imports.

<sup>R</sup>=Revised.

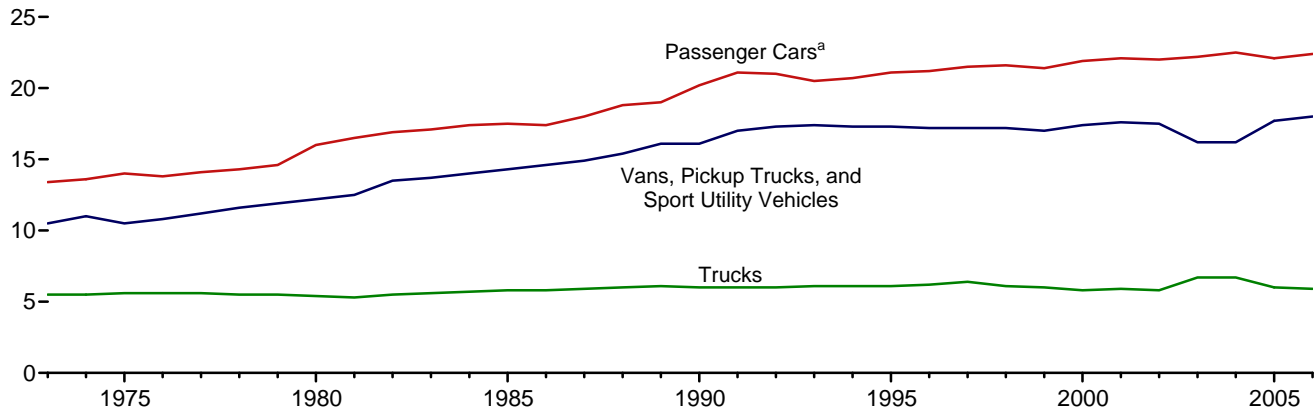
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.

Sources: • **Energy Consumption:** Table 1.3. • **Gross Domestic Product: 1973-2004**—U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 2008, Table 2A. **2005 forward**—U.S. Department of Commerce, Bureau of Economic Analysis, *BEA News Release*, September 26, 2008, Table 3, which is available at Web site <http://www.bea.gov/bea/newsrel/gdpnewsrelease.htm>.



**Figure 1.8 Motor Vehicle Fuel Rates, 1973-2006**  
(Miles per Gallon)



<sup>a</sup>Motorcycles are included through 1989.

Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.

Source: Table 1.8.

**Table 1.8 Motor Vehicle Mileage, Fuel Consumption, and Fuel Rates**

	Passenger Cars <sup>a</sup>			Vans, Pickup Trucks, and Sport Utility Vehicles <sup>b</sup>			Trucks <sup>c</sup>			All Motor Vehicles <sup>d</sup>		
	Mileage (miles per vehicle)	Fuel Consumption (gallons per vehicle)	Fuel Rate (miles per gallon)	Mileage (miles per vehicle)	Fuel Consumption (gallons per vehicle)	Fuel Rate (miles per gallon)	Mileage (miles per vehicle)	Fuel Consumption (gallons per vehicle)	Fuel Rate (miles per gallon)	Mileage (miles per vehicle)	Fuel Consumption (gallons per vehicle)	Fuel Rate (miles per gallon)
1973	9,884	737	13.4	9,779	931	10.5	15,370	2,775	5.5	10,099	850	11.9
1974	9,221	677	13.6	9,452	862	11.0	14,995	2,708	5.5	9,493	788	12.0
1975	9,309	665	14.0	9,829	934	10.5	15,167	2,722	5.6	9,627	790	12.2
1976	9,418	681	13.8	10,127	934	10.8	15,438	2,764	5.6	9,774	806	12.1
1977	9,517	676	14.1	10,607	947	11.2	16,700	3,002	5.6	9,978	814	12.3
1978	9,500	665	14.3	10,968	948	11.6	18,045	3,263	5.5	10,077	816	12.4
1979	9,062	620	14.6	10,802	905	11.9	18,502	3,380	5.5	9,722	776	12.5
1980	8,813	551	16.0	10,437	854	12.2	18,736	3,447	5.4	9,458	712	13.3
1981	8,873	538	16.5	10,244	819	12.5	19,016	3,565	5.3	9,477	697	13.6
1982	9,050	535	16.9	10,276	762	13.5	19,931	3,647	5.5	9,644	686	14.1
1983	9,118	534	17.1	10,497	767	13.7	21,083	3,769	5.6	9,760	686	14.2
1984	9,248	530	17.4	11,151	797	14.0	22,550	3,967	5.7	10,017	691	14.5
1985	9,419	538	17.5	10,506	735	14.3	20,597	3,570	5.8	10,020	685	14.6
1986	9,464	543	17.4	10,764	738	14.6	22,143	3,821	5.8	10,143	692	14.7
1987	9,720	539	18.0	11,114	744	14.9	23,349	3,937	5.9	10,453	694	15.1
1988	9,972	531	18.8	11,465	745	15.4	22,485	3,736	6.0	10,721	688	15.6
1989	<sup>a</sup> 10,157	<sup>a</sup> 533	<sup>a</sup> 19.0	11,676	724	16.1	22,926	3,776	6.1	10,932	688	15.9
1990	10,504	520	20.2	11,902	738	16.1	23,603	3,953	6.0	11,107	677	16.4
1991	10,571	501	21.1	12,245	721	17.0	24,229	4,047	6.0	11,294	669	16.9
1992	10,857	517	21.0	12,381	717	17.3	25,373	4,210	6.0	11,558	683	16.9
1993	10,804	527	20.5	12,430	714	17.4	26,262	4,309	6.1	11,595	693	16.7
1994	10,992	531	20.7	12,156	701	17.3	25,838	4,202	6.1	11,683	698	16.7
1995	11,203	530	21.1	12,018	694	17.3	26,514	4,315	6.1	11,793	700	16.8
1996	11,330	534	21.2	11,811	685	17.2	26,092	4,221	6.2	11,813	700	16.9
1997	11,581	539	21.5	12,115	703	17.2	27,032	4,218	6.4	12,107	711	17.0
1998	11,754	544	21.6	12,173	707	17.2	25,397	4,135	6.1	12,211	721	16.9
1999	11,848	553	21.4	11,957	701	17.0	26,014	4,352	6.0	12,206	732	16.7
2000	11,976	547	21.9	11,672	669	17.4	25,617	4,391	5.8	12,164	720	16.9
2001	11,831	534	22.1	11,204	636	17.6	26,602	4,477	5.9	11,887	695	17.1
2002	12,202	555	22.0	11,364	650	17.5	27,071	4,642	5.8	12,171	719	16.9
2003	12,325	556	22.2	11,287	697	16.2	28,093	4,215	6.7	12,208	718	17.0
2004	12,460	553	22.5	11,184	690	16.2	27,023	4,057	6.7	12,200	714	17.1
2005	12,510	567	22.1	10,920	617	17.7	26,235	4,385	6.0	12,082	706	17.1
2006 <sup>P</sup>	12,427	554	22.4	10,986	612	18.0	25,290	4,300	5.9	12,016	697	17.2

<sup>a</sup> Through 1989, includes motorcycles.

<sup>b</sup> Includes a small number of trucks with 2 axles and 4 tires, such as step vans.

<sup>c</sup> Single-unit trucks with 2 axles and 6 or more tires, and combination trucks.

<sup>d</sup> Includes buses and motorcycles, which are not shown separately.

P=Preliminary.

Note: Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/overview.html>.

Sources: • **Passenger Cars, 1990-1994:** U.S. Department of Transportation, Bureau of Transportation Statistics, *National Transportation Statistics 1998*, Table 4-13. • **All Other Data:** • **1973-1994**—Federal Highway Administration (FHWA), *Highway Statistics Summary to 1995*, Table VM-201A. • **1995 forward**—FHWA, *Highway Statistics*, annual reports, Table VM-1.

**Table 1.9 Heating Degree-Days by Census Division**

Census Divisions	September					Cumulative July through September				
	Normal <sup>a</sup>	2007	2008	Percent Change		Normal <sup>a</sup>	2007	2008	Percent Change	
				Normal to 2008	2007 to 2008				Normal to 2008	2007 to 2008
<b>New England</b> Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont .....	153	107	144	-6	35	190	169	183	-4	8
<b>Middle Atlantic</b> New Jersey, New York, Pennsylvania .....	105	49	71	-32	45	127	74	87	-31	18
<b>East North Central</b> Illinois, Indiana, Michigan, Ohio, Wisconsin .....	121	79	93	-23	18	156	114	134	-14	18
<b>West North Central</b> Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota .....	139	107	132	-5	23	183	126	156	-15	24
<b>South Atlantic</b> Delaware, Florida, Georgia, Maryland and the District of Columbia, North Carolina, South Carolina, Virginia, West Virginia .....	24	14	16	NM	NM	25	13	16	NM	NM
<b>East South Central</b> Alabama, Kentucky, Mississippi, Tennessee .....	32	10	15	NM	NM	33	10	16	NM	NM
<b>West South Central</b> Arkansas, Louisiana, Oklahoma, Texas .....	9	2	11	NM	NM	9	2	11	NM	NM
<b>Mountain</b> Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming .....	134	94	106	-21	13	183	97	119	-35	23
<b>Pacific<sup>b</sup></b> California, Oregon, Washington .....	62	75	34	NM	NM	108	91	60	-44	-34
<b>U.S. Average<sup>b</sup></b> .....	<b>77</b>	<b>54</b>	<b>59</b>	<b>NM</b>	<b>NM</b>	<b>101</b>	<b>70</b>	<b>76</b>	<b>-25</b>	<b>9</b>

<sup>a</sup> "Normal" is based on calculations of data from 1971 through 2000.

<sup>b</sup> Excludes Alaska and Hawaii.

NM=Not meaningful (because "Normal" is less than 100 or ratio is incalculable).

Notes: Degree-days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Heating degree-days are the number of degrees that the daily average temperature falls below 65° F. Cooling degree-days are the number of degrees that the daily average temperature rises above 65° F. The daily average temperature is the mean of the maximum and minimum temperatures in a 24-hour period. For example, a weather station recording an average daily temperature of 40° F would report 25 heating degree-days for that day (and 0 cooling degree-days). If a weather station recorded an average daily temperature of 78° F, cooling degree-days for that station would be 13 (and 0 heating degree days).

Web Pages: • See <http://www.eia.doe.gov/emeu/mer/overview.html> for

current data. • See <http://www.eia.doe.gov/emeu/aer/overview.html> for historical data.

Sources: There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published here is developed by the National Weather Service Climate Prediction Center, Camp Springs, MD. The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at those weather stations is used to calculate statewide degree-day averages based on population. The State figures are then aggregated into Census Divisions and into the national average. The population weights currently used represent resident State population data estimated for the 2000 Census by the U.S. Department of Commerce, Bureau of the Census. The data provided here are available sooner than the Historical Climatology Series 5-1 (heating degree-days) developed by the National Climatic Data Center, Asheville, NC, which compiles data from some 8,000 weather stations.

**Table 1.10 Cooling Degree-Days by Census Division**

Census Divisions	September					Cumulative January through September				
	Normal <sup>a</sup>	2007	2008	Percent Change		Normal <sup>a</sup>	2007	2008	Percent Change	
				Normal to 2008	2007 to 2008				Normal to 2008	2007 to 2008
<b>New England</b> Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont .....	22	71	50	NM	NM	417	544	490	18	-10
<b>Middle Atlantic</b> New Jersey, New York, Pennsylvania .....	59	104	81	NM	NM	651	799	731	12	-9
<b>East North Central</b> Illinois, Indiana, Michigan, Ohio, Wisconsin .....	60	121	64	NM	NM	701	864	643	-8	-26
<b>West North Central</b> Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota .....	87	132	71	NM	NM	915	1,086	792	-13	-27
<b>South Atlantic</b> Delaware, Florida, Georgia, Maryland and the District of Columbia, North Carolina, South Carolina, Virginia, West Virginia .....	259	318	290	12	-9	1,757	1,974	1,886	7	-4
<b>East South Central</b> Alabama, Kentucky, Mississippi, Tennessee .....	209	304	252	21	-17	1,486	1,856	1,577	6	-15
<b>West South Central</b> Arkansas, Louisiana, Oklahoma, Texas .....	345	394	292	-15	-26	2,275	2,296	2,327	2	1
<b>Mountain</b> Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming .....	167	196	180	8	-8	1,184	1,449	1,263	7	-13
<b>Pacific<sup>b</sup></b> California, Oregon, Washington .....	125	117	177	42	51	663	770	893	35	16
<b>U.S. Average<sup>b</sup></b> .....	<b>155</b>	<b>199</b>	<b>170</b>	<b>10</b>	<b>-15</b>	<b>1,142</b>	<b>1,304</b>	<b>1,213</b>	<b>6</b>	<b>-7</b>

<sup>a</sup> "Normal" is based on calculations of data from 1971 through 2000.

<sup>b</sup> Excludes Alaska and Hawaii.

NM=Not meaningful (because "Normal" is less than 100 or ratio is incalculable).

Notes: Degree-days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Cooling degree-days are the number of degrees that the daily average temperature rises above 65° F. Heating degree-days are the number of degrees that the daily average temperature falls below 65° F. The daily average temperature is the mean of the maximum and minimum temperatures in a 24-hour period. For example, if a weather station recorded an average daily temperature of 78° F, cooling degree-days for that station would be 13 (and 0 heating degree-days). A weather station recording an average daily temperature of 40° F would report 25 heating degree-days for that day (and 0 cooling degree-days).

Web Pages: • See <http://www.eia.doe.gov/emeu/mer/overview.html> for

current data. • See <http://www.eia.doe.gov/emeu/aer/overview.html> for historical data.

Sources: There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published here is developed by the National Weather Service Climate Prediction Center, Camp Springs, MD. The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at those weather stations is used to calculate statewide degree-day averages based on population. The State figures are then aggregated into Census Divisions and into the national average. The population weights currently used represent resident State population data estimated for the 2000 Census by the U.S. Department of Commerce, Bureau of the Census. The data provided here are available sooner than the Historical Climatology Series 5-2 (cooling degree-days) developed by the National Climatic Data Center, Asheville, NC, which compiles data from some 8,000 weather stations.

## Energy Overview

**Note 1. Primary Energy Production.** Primary energy production consists of coal production, waste coal supplied, and coal refuse recovery; crude oil and lease condensate production; natural gas plant liquids production; natural gas (dry) production; nuclear electricity net generation (converted to Btu using the nuclear plants heat rate); conventional hydroelectricity net generation (converted to Btu using the fossil-fueled plants heat rate); geothermal electricity net generation (converted to Btu using the geothermal plants heat rate), geothermal heat pump energy, and geothermal direct use energy; solar thermal and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate), and solar thermal direct use energy; wind electricity net generation (converted to Btu using the fossil-fueled plants heat rate); wood and wood-derived fuels consumption; biomass waste (municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass) consumption; and biofuels feedstock (biomass inputs to the production of fuel ethanol and biodiesel).

**Note 2. Primary Energy Consumption.** Primary energy consumption consists of coal consumption; coal coke net imports; petroleum consumption (petroleum products supplied, including natural gas plant liquids and crude oil burned as fuel, but excluding ethanol blended into motor gasoline); natural gas (excluding supplemental gaseous fuels) consumption; nuclear electricity net generation (converted to Btu using the nuclear plants heat rate); conventional hydroelectricity net generation (converted to Btu using the fossil-fueled plants heat rate); geothermal electricity net generation (converted to Btu using the geothermal plants heat rate), and geothermal heat pump and geothermal direct use energy; solar thermal and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate), and solar thermal direct use energy; wind electricity net generation (converted to Btu using the fossil-fueled plants heat rate); wood and wood-derived fuels consumption; biomass waste (municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass) consumption; fuel ethanol and biodiesel consumption; losses and co-products from the production of fuel ethanol and biodiesel; and electricity net imports (converted to Btu using the electricity heat content of 3,412 Btu per kilowatt-hour).

**Note 3. Merchandise Trade Value.** Import data presented are based on the customs value. That value does not include insurance and freight and is consequently lower than the cost, insurance, and freight (CIF) value, which is also reported by the Bureau of the Census. All export data, and import data prior to 1981, are on a free alongside ship (f.a.s.) basis.

“Balance” is exports minus imports; a positive balance indicates a surplus trade value and a negative balance indicates a deficit trade value. “Energy” includes mineral

fuels, lubricants, and related material. “Non-Energy Balance” and “Total Merchandise” include foreign exports (i.e., re-exports) and nonmonetary gold and Department of Defense Grant-Aid shipments. The “Non-Energy Balance” is calculated by subtracting the “Energy” from the “Total Merchandise Balance.”

“Imports” consist of government and nongovernment shipments of merchandise into the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and the U.S. Foreign Trade Zones. They reflect the total arrival from foreign countries of merchandise that immediately entered consumption channels, warehouses, the Foreign Trade Zones, or the Strategic Petroleum Reserve. They exclude shipments between the United States, Puerto Rico, and U.S. possessions, shipments to U.S. Armed Forces and diplomatic missions abroad for their own use, U.S. goods returned to the United States by its Armed Forces, and in-transit shipments.

### Table 1.5 Sources

U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division:

#### Petroleum Exports

1974-1987: “U.S. Exports,” FT410, December issues.  
1988 and 1989: “Report on U.S. Merchandise Trade,” Final Revisions.  
1990-1992: “U.S. Merchandise Trade,” Final Report.  
1993-2006: “U.S. International Trade in Goods and Services,” Annual Revision.  
2007 and 2008: “U.S. International Trade in Goods and Services,” FT-900, monthly.

#### Petroleum Imports

1974-1987: “U.S. Merchandise Trade,” FT900, December issues, 1975-1988.  
1988 and 1989: “Report on U.S. Merchandise Trade,” Final Revisions.  
1990-1993: “U.S. Merchandise Trade,” Final Report.  
1994-2006: “U.S. International Trade in Goods and Services,” Annual Revision.  
2007 and 2008: “U.S. International Trade in Goods and Services,” FT-900, monthly.

#### Energy Exports and Imports

1974-1987: U.S. merchandise trade press releases and database printouts for adjustments.  
1988: January-July, monthly FT-900 supplement, 1989 issues. August-December, monthly FT-900, 1989 issues.  
1989: Monthly FT-900, 1990 issues.  
1990-1992: “U.S. Merchandise Trade,” Final Report.  
1993-2006: “U.S. International Trade in Goods and

Services,” Annual Revision.  
2007 and 2008: “U.S. International Trade in Goods and Services,” FT-900, monthly.

### **Petroleum, Energy, and Non-Energy Balances**

Calculated by the Energy Information Administration.

### **Total Merchandise**

1974-1987: U.S. merchandise trade press releases and database printouts for adjustments.

1988: “Report on U.S. Merchandise Trade, 1988 Final Revisions,” August 18, 1989.

1989: “Report on U.S. Merchandise Trade, 1989 Revisions,” July 10, 1990. 1990: “U.S. Merchandise Trade, 1990 Final Report,” May 10, 1991, and “U.S. Merchandise Trade, December 1992,” February 18, 1993, page 3.

1991: “U.S. Merchandise Trade, 1992 Final Report,” May 12, 1993.

1992-2006: “U.S. International Trade in Goods and Services,” Annual Revision.

2007 and 2008: “U.S. International Trade in Goods and Services,” FT-900, monthly.