

Table A9. Total Primary Consumption of Energy for All Purposes by Census Region and Economic Characteristics of the Establishment, 1991
(Estimates in Btu or Physical Units)

Economic Characteristics ^a	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbls)	Distillate Fuel Oil ^c (1000 bbls)	Natural Gas ^d (billion cu ft)	LPG (1000 bbls)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
Total United States										
RSE Column Factors:	0.6	0.5	1.4	1.3	0.8	1.2	1.3	1.5	0.9	
Value of Shipments and Receipts (million dollars)										
Under 20	1,443	110,693	W	9,914	601	W	5,203	354	207	9.8
20-49	1,747	107,191	12,176	4,813	678	3,219	10,879	635	301	7.5
50-99	1,619	91,770	8,633	2,390	W	W	W	467	273	5.6
100-249	3,071	143,657	13,710	2,293	1,132	63,361	W	W	687	4.1
250-499	3,081	113,398	15,370	2,393	W	76,190	W	915	964	3.8
500 and Over	6,429	127,993	W	3,213	1,809	283,197	31,425	W	2,004	3.0
Not Ascertained ^f	2,868	0	0	0	0	0	0	0	2,868	1.4
Total	20,257	694,702	72,261	25,016	5,917	447,163	83,860	12,410	7,304	2.6
Employment Size										
Under 50	632	47,134	Q	5,777	W	2,188	W	38	69	13.8
50-99	1,027	47,959	10,119	3,785	409	12,560	2,784	312	242	10.2
100-249	2,807	123,214	10,051	5,196	1,142	68,412	W	W	W	6.6
250-499	3,213	125,728	11,784	3,136	1,081	99,299	10,486	681	965	3.9
500-999	3,615	152,257	13,040	2,705	1,121	104,843	W	W	W	3.7
1,000 and Over	6,094	198,411	W	4,419	W	159,861	40,808	10,108	1,513	2.9
Not Ascertained ^f	2,868	0	0	0	0	0	0	0	2,868	1.4
Total	20,257	694,702	72,261	25,016	5,917	447,163	83,860	12,410	7,304	2.6
Northeast Census Region										
RSE Column Factors:	0.7	0.6	0.9	1.5	0.6	1.5	1.7	1.6	0.8	
Value of Shipments and Receipts (million dollars)										
Under 20	263	19,258	1,772	3,921	W	W	Q	W	16	14.9
20-49	229	14,952	3,740	1,440	W	637	2,132	W	W	14.3
50-99	164	11,177	3,365	695	71	334	538	55	13	8.3
100-249	338	16,594	4,776	726	86	W	W	W	W	5.0
250-499	220	11,762	6,948	W	49	W	W	W	W	5.5
500 and Over	513	12,298	5,193	W	79	W	W	0	139	5.1
Not Ascertained ^f	285	0	0	0	0	0	0	0	285	1.9
Total	2,011	86,041	25,794	7,875	447	4,263	W	W	588	5.0
Employment Size										
Under 50	W	7,862	339	W	37	W	W	Q	6	21.1
50-99	W	6,971	2,209	W	40	W	152	W	W	16.0
100-249	280	15,282	2,725	1,908	75	W	4,396	100	W	15.5
250-499	209	13,849	3,943	1,005	86	620	W	W	30	6.7
500-999	W	21,944	6,854	W	86	W	W	W	136	4.9
1,000 and Over	W	20,132	9,725	1,057	123	403	W	W	107	5.3
Not Ascertained ^f	285	0	0	0	0	0	0	0	285	1.9
Total	2,011	86,041	25,794	7,875	447	4,263	W	W	588	5.0

See footnotes at end of table.

Table A9. Total Primary Consumption of Energy for All Purposes by Census Region and Economic Characteristics of the Establishment, 1991 (Continued)
(Estimates in Btu or Physical Units)

Economic Characteristics ^a	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbls)	Distillate Fuel Oil ^c (1000 bbls)	Natural Gas ^d (billion cu ft)	LPG (1000 bbls)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
Midwest Census Region										
RSE Column Factors:	0.6	0.6	1.5	1.7	0.6	1.5	0.9	1.4	0.9	
Value of Shipments and Receipts (million dollars)										
Under 20	W	32,084	221	W	222	1,033	W	170	W	13.6
20-49	463	29,692	503	W	237	732	W	W	42	9.8
50-99	W	25,954	330	372	W	359	W	191	45	7.9
100-249	520	29,626	990	340	204	W	W	W	81	5.5
250-499	509	31,253	571	239	W	W	W	W	W	4.7
500 and Over	1,560	56,492	W	998	W	W	15,932	W	357	3.8
Not Ascertained ^f	445	0	0	0	0	0	0	0	445	1.4
Total	4,385	205,102	W	4,410	1,421	W	30,891	8,398	1,089	3.8
Employment Size										
Under 50	216	13,381	128	1,371	120	W	172	W	Q	20.9
50-99	W	14,601	Q	503	118	439	1,162	W	W	16.4
100-249	630	35,608	873	642	284	833	W	151	W	8.4
250-499	683	30,870	1,051	354	W	W	W	247	147	5.2
500-999	W	29,186	962	404	197	W	3,246	W	201	5.2
1,000 and Over	1,531	81,455	W	1,135	W	W	W	W	147	4.0
Not Ascertained ^f	445	0	0	0	0	0	0	0	445	1.4
Total	4,385	205,102	W	4,410	1,421	W	30,891	8,398	1,089	3.8
South Census Region										
RSE Column Factors:	0.6	0.5	1.7	1.3	0.9	1.0	0.9	1.7	1.0	
Value of Shipments and Receipts (million dollars)										
Under 20	514	42,345	W	W	W	W	1,167	W	88	12.8
20-49	763	49,656	7,224	W	286	1,447	W	291	W	9.8
50-99	753	41,663	3,783	815	290	W	3,457	188	W	8.5
100-249	1,664	63,521	6,905	866	644	W	W	157	351	5.6
250-499	1,976	49,978	6,499	900	708	W	W	W	690	5.2
500 and Over	3,839	44,656	4,994	1,176	W	271,076	W	W	1,218	4.0
Not Ascertained ^f	1,786	0	0	0	0	0	0	0	1,786	1.3
Total	11,296	291,819	W	8,481	3,368	W	29,974	2,677	4,407	3.6
Employment Size										
Under 50	233	17,812	Q	W	121	W	Q	5	17	16.5
50-99	517	18,313	7,200	W	198	W	477	W	W	14.7
100-249	1,374	54,664	4,245	1,721	567	W	W	W	W	7.6
250-499	1,883	60,997	4,787	1,036	629	W	W	234	573	5.5
500-999	2,004	69,714	4,824	1,092	675	W	W	158	574	4.9
1,000 and Over	3,499	70,319	9,440	1,916	1,178	155,633	13,523	1,914	1,071	4.2
Not Ascertained ^f	1,786	0	0	0	0	0	0	0	1,786	1.3
Total	11,296	291,819	W	8,481	3,368	W	29,974	2,677	4,407	3.6

See footnotes at end of table.

Table A9. Total Primary Consumption of Energy for All Purposes by Census Region and Economic Characteristics of the Establishment, 1991 (Continued)
(Estimates in Btu or Physical Units)

Economic Characteristics ^a	Total (trillion Btu)	Net Electricity ^b (million kWh)	Residual Fuel Oil (1000 bbls)	Distillate Fuel Oil ^c (1000 bbls)	Natural Gas ^d (billion cu ft)	LPG (1000 bbls)	Coal (1000 short tons)	Coke and Breeze (1000 short tons)	Other ^e (trillion Btu)	RSE Row Factors
West Census Region										
RSE Column Factors:	0.7	0.6	1.1	1.3	0.9	0.8	1.8	1.4	1.0	
Value of Shipments and Receipts (million dollars)										
Under 20	W	17,006	491	1,423	W	554	W	23	W	15.2
20-49	292	12,892	710	W	W	403	W	120	108	12.6
50-99	W	12,976	1,155	507	107	472	807	33	W	8.6
100-249	549	33,915	1,039	361	198	325	W	W	W	8.3
250-499	376	20,404	1,353	W	87	1,238	W	W	164	3.4
500 and Over	518	14,547	596	W	W	10,389	W	0	291	4.3
Not Ascertained ^f	352	0	0	0	0	0	0	0	352	1.2
Total	2,565	111,741	5,344	4,250	681	13,381	W	W	1,220	4.6
Employment Size										
Under 50	W	8,079	Q	W	W	222	W	W	Q	10.9
50-99	166	8,073	471	W	53	W	993	45	50	14.7
100-249	524	17,660	2,209	924	216	W	1,666	W	168	9.2
250-499	437	20,012	2,003	741	W	1,391	W	W	214	6.1
500-999	542	31,412	400	W	162	4,464	W	W	W	5.4
1,000 and Over	W	26,505	242	310	104	W	W	W	188	5.7
Not Ascertained ^f	352	0	0	0	0	0	0	0	352	1.2
Total	2,565	111,741	5,344	4,250	681	13,381	W	W	1,220	4.6

^a Value of Shipments and Receipts and Employment Size were supplied by the Bureau of the Census. See Appendix B.

^b "Net Electricity" is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

^c "Distillate Fuel Oil" includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

^d "Natural Gas" includes natural gas obtained from utilities, transmission pipelines, and any other supplier(s) such as brokers and producers.

^e "Other" includes net steam (the sum of purchases, generation from renewables, and net transfers), and other energy that respondents indicated was used to produce heat and power or as feedstock/raw material inputs. See also Footnote "f."

^f The entry in the "Not Ascertained" row and the "Other" column consists of the feedstocks and raw material inputs that were consumed by petroleum refineries for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents), as well as feedstock consumption at adjoining petrochemical plants. That entry includes all of those inputs, regardless of type. Those inputs that were converted to other energy products by petroleum refineries (e.g., crude oil converted to residual and distillate fuel oils) are excluded. The quantities of energy consumed by petroleum refineries for the production of heat and power are included in the appropriate "Value of Shipments and Receipts" or "Employment Size" rows. See Appendix B for more information.

W=Withheld to avoid disclosing data for individual establishments. Data are included in higher level totals.

Q=Withheld because Relative Standard Error is greater than 50 percent. Data are included in higher level totals.

Notes: • To obtain a RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • Totals may not equal sum of components because of independent rounding. • The derived estimates presented in this table are for the primary consumption of energy for heat and power and as feedstocks or raw material inputs. Primary consumption is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; woodchips, bark, and woodwaste from wood purchased as a raw material input; and waste materials such as wastepaper and packing materials. Primary consumption excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1991 Manufacturing Energy Consumption Survey," the Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1991, and the Bureau of the Census, Industry Division, data files for the "1991 Annual Survey of Manufactures."