

**Table 1.3 First Use of Energy for All Purposes (Fuel and Nonfuel), 2006;**  
**Level: National and Regional Data;**  
**Row: Values of Shipments and Employment Sizes**  
**Column: Energy Sources and Shipments;**  
**Unit: Trillion Btu.**

Economic Characteristic(a)	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
<b>Total United States</b>										
<b>Value of Shipments and Receipts (million dollars)</b>										
Under 20	1,166	367	23	48	540	15	41	3	140	12
20-49	1,209	333	20	26	550	8	104	5	182	20
50-99	1,507	349	51	19	575	98	190	9	256	40
100-249	2,651	607	53	20	1,091	23	310	53	566	73
250-499	2,362	413	52	13	754	158	247	9	732	16
500 and Over	8,805	781	115	17	2,400	2,074	541	193	3,169	485
Not Ascertained (i)	3,399	0	0	0	0	0	0	0	3,399	0
Total	21,098	2,851	314	143	5,911	2,376	1,433	272	8,443	645
<b>Employment Size</b>										
Under 50	1,216	334	13	55	598	25	51	1	179	39
50-99	1,318	233	60	16	617	151	91	3	196	49
100-249	3,300	656	56	30	1,100	535	360	51	604	91
250-499	3,960	593	44	20	1,207	877	290	15	1,125	212
500-999	4,260	568	58	12	1,212	251	186	13	2,095	133
1000 and Over	3,645	467	83	12	1,177	537	455	190	844	121
Not Ascertained (i)	3,399	0	0	0	0	0	0	0	3,399	0
Total	21,098	2,851	314	143	5,911	2,376	1,433	272	8,443	645
<b>Northeast Census Region</b>										
<b>Value of Shipments and Receipts (million dollars)</b>										
Under 20	160	55	8	13	65	2	*	1	17	0
20-49	227	46	7	4	88	2	19	*	Q	*
50-99	147	43	16	1	59	Q	14	0	11	Q
100-249	242	64	6	2	114	1	24	4	28	0
250-499	150	32	9	2	36	8	15	3	44	0
500 and Over	468	65	17	2	134	6	148	0	186	90
Not Ascertained (i)	276	0	0	0	0	0	0	0	276	0
Total	1,670	306	64	24	495	21	220	7	622	91
<b>Employment Size</b>										
Under 50	121	42	6	13	51	1	2	*	5	0
50-99	168	33	4	2	62	9	6	*	Q	0
100-249	287	77	16	4	112	4	41	2	32	Q
250-499	222	56	13	2	77	1	11	1	62	0
500-999	345	47	17	2	115	6	12	5	141	0
1000 and Over	251	52	8	1	79	*	148	0	54	90
Not Ascertained (i)	276	0	0	0	0	0	0	0	276	0
Total	1,670	306	64	24	495	21	220	7	622	91
<b>Midwest Census Region</b>										
<b>Value of Shipments and Receipts (million dollars)</b>										
Under 20	450	132	Q	Q	253	4	3	1	Q	0
20-49	369	106	7	Q	180	2	33	2	41	9
50-99	466	132	5	8	W	W	49	3	39	5
100-249	816	240	5	3	367	8	86	43	87	Q
250-499	442	100	1	2	W	W	115	4	67	*
500 and Over	1,647	223	21	4	W	W	268	162	418	22
Not Ascertained (i)	481	0	0	0	0	0	0	0	481	0
Total	4,671	934	45	36	1,643	130	554	217	1,172	60

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Economic Characteristic(a)	Total(b)	Net Electricity(c)	Residual Fuel Oil	Distillate Fuel Oil(d)	Natural Gas(e)	LPG and NGL(f)	Coal	Coke and Breeze	Other(g)	Shipments of Energy Sources Produced Onsite(h)
<b>Employment Size</b>										
Under 50	452	130	4	Q	246	2	10	1	Q	9
50-99	349	76	12	2	210	3	26	1	23	Q
100-249	879	233	4	9	W	W	152	42	138	Q
250-499	846	176	2	2	W	W	133	8	141	*
500-999	702	169	4	2	244	5	44	4	231	0
1000 and Over	963	150	19	3	352	1	189	162	109	22
Not Ascertained (i)	481	0	0	0	0	0	0	0	481	0
Total	4,671	934	45	36	1,643	130	554	217	1,172	60

**South Census Region**

**Value of Shipments and Receipts (million dollars)**

Under 20	391	130	5	16	164	6	8	1	Q	8
20-49	448	137	5	9	209	3	30	3	54	1
50-99	718	138	28	6	W	W	97	3	163	34
100-249	1,265	230	38	9	481	14	154	3	387	50
250-499	1,479	203	40	6	W	W	106	1	523	16
500 and Over	5,825	428	71	6	W	W	117	30	2,031	373
Not Ascertained (i)	2,298	0	0	0	0	0	0	0	2,298	0
Total	12,424	1,267	187	52	3,117	2,206	513	41	5,524	482

**Employment Size**

Under 50	477	120	2	16	239	20	9	0	89	17
50-99	677	93	42	7	286	138	52	1	104	45
100-249	1,722	271	28	10	W	W	117	5	305	66
250-499	2,357	270	24	9	W	W	113	2	714	212
500-999	2,768	296	35	6	719	239	112	4	1,489	133
1000 and Over	2,125	217	57	4	660	531	111	29	524	9
Not Ascertained (i)	2,298	0	0	0	0	0	0	0	2,298	0
Total	12,424	1,267	187	52	3,117	2,206	513	41	5,524	482

**West Census Region**

**Value of Shipments and Receipts (million dollars)**

Under 20	164	50	3	7	59	3	29	0	16	3
20-49	165	44	Q	Q	73	2	23	0	26	10
50-99	177	35	2	4	60	1	29	2	43	*
100-249	327	73	4	6	129	1	47	4	64	0
250-499	291	77	2	4	99	1	11	1	98	0
500 and Over	865	64	7	5	236	12	8	0	533	0
Not Ascertained (i)	344	0	0	0	0	0	0	0	344	0
Total	2,334	344	18	32	656	19	146	7	1,124	13

**Employment Size**

Under 50	166	42	1	7	63	2	30	0	35	13
50-99	124	32	2	Q	58	1	8	0	17	0
100-249	412	75	8	6	133	8	50	2	130	0
250-499	535	92	6	7	181	3	34	4	208	*
500-999	446	56	1	2	134	1	17	1	234	0
1000 and Over	306	48	*	3	86	4	7	0	157	0
Not Ascertained (i)	344	0	0	0	0	0	0	0	344	0
Total	2,334	344	18	32	656	19	146	7	1,124	13

(a) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

(b) 'Total' is the sum of all of the listed energy sources, including 'Other,' minus the

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<b>Economic Characteristic(a)</b>	<b>Total(b)</b>	<b>Net Electricity(c)</b>	<b>Residual Fuel Oil</b>	<b>Distillate Fuel Oil(d)</b>	<b>Natural Gas(e)</b>	<b>LPG and NGL(f)</b>	<b>Coal</b>	<b>Coke and Breeze</b>	<b>Other(g)</b>	<b>Shipments of Energy Sources Produced Onsite(h)</b>
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shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes.

(c) '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).

(d) 'Distillate Fuel Oil' includes Nos. 1, 2, and 4 fuel oils and Nos. 1, 2, and 4 diesel fuels.

(e) 'Natural Gas' includes natural gas obtained from utilities, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(f) Examples of Liquefied Petroleum Gases '(LPG)' are ethane, ethylene, propane, propylene, normal butane, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw Natural Gas Liquids '(NGL).'

(g) '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 'i'.

(h) 'Shipments of Energy Sources Produced Onsite' are those shipments produced or transformed onsite from the nonfuel use of other energy sources. For example, at an establishment that processes coal to make coke for later use, the entire quantity of coal is counted as first use. Any onsite consumption of coke is not counted as first use because it would duplicate the coal use. If some of the coke is then sold to another establishment, then that second establishment will consider this coke to be a shipment of an offsite-produced energy source. Hence, the second establishment will count this coke as its first use, thereby resulting in double counting. In order to eliminate the double counting, the energy equivalent of the coke shipment must be subtracted from first use.

(i) 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.

NF=No applicable RSE row/column factor.

\* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

Notes: To obtain the 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 first use (formerly primary consumption) of energy for heat and power and as feedstocks or raw material inputs. First use 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. First use 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 Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey,' and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, 'Monthly Refinery Report' for 2006, and the Bureau of the Census, data files for the '2006 Annual Survey of Manufacturers.'