

Table 1.3 First Use of Energy for All Purposes (Fuel and Nonfuel), 2010;

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)
Total United States										
Value of Shipments and Receipts (million dollars)										
Under 20	1,169	314	6	54	472	14	25	Q	302	19
20-49	1,046	297	19	24	385	24	98	9	197	8
50-99	1,141	305	W	13	478	W	139	10	193	42
100-249	1,947	411	56	11	947	26	183	11	361	59
250-499	2,136	391	16	11	659	78	322	51	700	91
500 and Over	8,633	720	W	21	2,784	W	561	293	2,880	570
Not Ascertained (i)	2,746	0	0	0	0	0	0	0	2,746	0
Total	18,817	2,437	170	135	5,725	2,057	1,328	374	7,381	788
Employment Size										
Under 50	1,308	305	19	47	670	92	31	1	209	66
50-99	1,225	247	W	19	548	42	95	W	292	66
100-249	3,008	526	40	26	1,118	515	350	53	522	142
250-499	3,542	515	18	19	1,090	705	316	13	1,091	225
500-999	3,810	493	W	12	1,187	307	150	W	1,784	190
1000 and Over	3,178	351	8	12	1,112	396	387	277	736	99
Not Ascertained (i)	2,746	0	0	0	0	0	0	0	2,746	0
Total	18,817	2,437	170	135	5,725	2,057	1,328	374	7,381	788
Northeast Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	212	49	3	11	67	2	2	*	78	0
20-49	173	34	9	8	43	10	9	*	64	4
50-99	155	40	6	2	63	1	16	4	24	1
100-249	182	44	7	2	75	1	15	1	39	1
250-499	201	35	1	1	74	1	24	3	62	0
500 and Over	395	51	4	2	120	7	119	*	157	66
Not Ascertained (i)	184	0	0	0	0	0	0	0	184	0
Total	1,502	254	29	26	443	20	185	8	608	71
Employment Size										
Under 50	168	38	7	15	55	10	1	*	42	0
50-99	135	30	2	3	54	4	5	*	38	1
100-249	290	69	7	3	97	1	25	4	86	3
250-499	200	42	5	1	64	4	13	1	71	1
500-999	364	43	7	2	101	1	24	3	182	0
1000 and Over	161	32	1	1	71	*	116	*	5	66
Not Ascertained (i)	184	0	0	0	0	0	0	0	184	0
Total	1,502	254	29	26	443	20	185	8	608	71
Midwest Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	353	100	*	8	169	4	7	Q	65	0
20-49	311	95	4	2	133	W	33	W	35	0
50-99	338	91	5	W	169	W	38	2	50	21
100-249	674	139	1	2	379	9	93	6	46	1

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250-499	426	98	*	1	141	9	99	45	39	7
500 and Over	1,813	254	2	W	511	W	306	W	482	14
Not Ascertained (i)	443	0	0	0	0	0	0	0	443	0
Total	4,349	776	12	22	1,501	122	577	234	1,149	43
Employment Size										
Under 50	486	108	3	7	284	4	18	1	75	14
50-99	395	84	5	2	229	W	28	W	W	8
100-249	721	148	1	3	273	14	167	44	78	8
250-499	808	161	1	2	240	W	163	W	W	*
500-999	611	153	*	3	171	W	22	W	W	0
1000 and Over	895	123	1	6	306	W	178	W	W	14
Not Ascertained (i)	443	0	0	0	0	0	0	0	443	0
Total	4,349	776	12	22	1,501	122	577	234	1,149	43
South Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	462	114	2	14	182	4	11	*	150	16
20-49	377	119	7	9	132	W	29	W	73	3
50-99	455	132	W	W	173	W	46	3	86	20
100-249	900	170	46	5	417	15	55	2	249	58
250-499	1,246	191	14	6	365	68	157	1	529	84
500 and Over	5,544	353	W	W	1,883	W	135	W	1,712	490
Not Ascertained (i)	1,887	0	0	0	0	0	0	0	1,887	0
Total	10,872	1,078	121	50	3,152	1,897	433	127	4,685	670
Employment Size										
Under 50	499	111	7	13	254	75	5	*	83	49
50-99	552	101	W	4	209	W	42	W	W	57
100-249	1,658	240	29	13	635	494	101	3	273	131
250-499	2,017	235	8	9	635	W	112	W	W	224
500-999	2,358	227	W	6	762	W	81	W	W	190
1000 and Over	1,902	164	6	4	657	W	92	W	W	20
Not Ascertained (i)	1,887	0	0	0	0	0	0	0	1,887	0
Total	10,872	1,078	121	50	3,152	1,897	433	127	4,685	670
West Census Region										
Value of Shipments and Receipts (million dollars)										
Under 20	141	50	Q	21	53	4	6	*	9	3
20-49	185	50	*	Q	77	2	26	0	25	1
50-99	192	42	*	2	73	1	39	1	35	*
100-249	191	59	2	2	76	1	20	3	28	0
250-499	263	67	*	3	79	1	42	1	70	0
500 and Over	880	62	5	4	270	9	*	*	530	0
Not Ascertained (i)	242	0	0	0	0	0	0	0	242	0
Total	2,094	329	7	37	629	18	134	6	939	4
Employment Size										
Under 50	154	48	1	11	77	4	8	*	9	4
50-99	143	33	0	Q	56	1	20	0	23	0
100-249	339	69	3	6	113	5	56	1	84	0

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250-499	517	77	4	7	151	5	27	4	241	0
500-999	478	70	*	1	152	1	23	0	231	0
1000 and Over	221	32	0	*	79	2	0	0	108	0
Not Ascertained (i)	242	0	0	0	0	0	0	0	242	0
Total	2,094	329	7	37	629	18	134	6	939	4

(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 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: 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.

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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: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey,' and Office of Petroleum and Biofuels Statistics, Form EIA-810, 'Monthly Refinery Report' for 2010, and the Bureau of the Census, data files for the '2010 Annual Survey of Manufacturers.'