

Released: November 2017
 Next MECS will be fielded in 2019

Table 4.3 Offsite-Produced Fuel Consumption, 2014;

Level: National and Regional Data;
 Row: Values of Shipments and Employment Sizes;
 Column: Energy Sources;
 Unit: Trillion Btu.

Economic Characteristic(a)	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal	Coke and Breeze	Other(f)
Total United States									
Value of Shipments and Receipts (million dollars)									
Under 20	807	314	2	29	W	15	14	2	W
20-49	795	286	1	13	W	10	80	4	W
50-99	1,147	357	2	11	540	7	128	5	97
100-249	1,714	482	4	11	870	10	129	28	179
250-499	1,455	364	9	12	771	3	124	3	169
500 and Over	5,195	892	11	19	W	11	300	194	W
Total	11,113	2,696	28	95	5,844	55	776	237	1,382
Employment Size									
Under 50	1,110	313	3	28	607	12	40	1	106
50-99	1,040	283	Q	10	595	7	71	2	72
100-249	2,151	610	5	20	1,048	15	226	32	195
250-499	2,277	569	4	13	1,185	11	209	5	282
500-999	2,374	541	12	14	1,204	W	121	8	W
1000 and Over	2,162	379	3	11	1,206	W	109	190	W
Total	11,113	2,696	28	95	5,844	55	776	237	1,382
Northeast Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	115	44	*	6	54	3	*	*	Q
20-49	109	40	Q	2	45	2	6	*	13
50-99	132	45	1	2	64	1	14	0	5
100-249	167	50	2	2	85	Q	9	*	17
250-499	133	34	5	*	66	*	13	0	13
500 and Over	202	54	1	3	108	*	4	*	31
Total	858	268	11	15	422	8	47	1	87
Employment Size									
Under 50	108	39	1	6	51	2	2	*	Q
50-99	103	35	Q	2	56	1	4	*	4
100-249	231	78	3	2	104	2	16	*	25
250-499	145	37	*	1	85	Q	13	0	8
500-999	158	42	6	1	67	*	5	0	37
1000 and Over	112	37	1	2	59	*	8	*	4
Total	858	268	11	15	422	8	47	1	87
Midwest Census Region									
Value of Shipments and Receipts (million dollars)									
Under 20	305	101	*	6	173	5	3	Q	15
20-49	263	91	*	2	132	3	25	1	9
50-99	374	112	*	1	194	2	47	4	13
100-249	693	156	*	2	390	3	43	24	75
250-499	445	94	*	2	270	1	48	3	27
500 and Over	1,320	274	1	7	600	4	157	169	108
Total	3,400	829	1	20	1,759	18	323	203	247
Employment Size									
Under 50	497	95	*	6	295	3	28	*	Q

50-99	466	111	*	2	313	3	30	1	8
100-249	592	159	*	3	291	3	64	28	44
250-499	675	183	*	2	301	4	145	3	38
500-999	448	158	*	2	202	W	28	7	W
1000 and Over	722	123	*	5	358	W	28	165	W
Total	3,400	829	1	20	1,759	18	323	203	247

South Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	251	108	1	10	W	4	4	*	W
20-49	312	118	*	8	W	4	32	2	W
50-99	435	143	*	5	195	3	33	1	55
100-249	640	215	*	4	299	4	47	4	67
250-499	706	174	3	6	356	1	46	0	118
500 and Over	3,117	454	7	9	W	4	115	25	W
Total	5,461	1,212	12	43	2,975	20	277	32	890

Employment Size

Under 50	341	121	1	10	179	4	2	0	24
50-99	360	105	*	4	178	2	16	1	54
100-249	1,023	291	*	12	530	6	91	2	90
250-499	1,139	262	2	5	621	5	39	3	202
500-999	1,537	275	6	8	807	2	79	1	359
1000 and Over	1,062	158	2	3	661	2	50	25	162
Total	5,461	1,212	12	43	2,975	20	277	32	890

West Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	137	62	*	7	56	3	7	*	2
20-49	111	37	0	1	46	2	17	*	7
50-99	207	57	*	3	87	1	34	1	24
100-249	213	60	1	4	96	1	30	*	21
250-499	171	61	*	3	81	*	16	*	10
500 and Over	556	110	2	1	322	2	24	0	95
Total	1,394	387	4	18	688	10	129	2	158

Employment Size

Under 50	164	59	1	6	82	2	8	*	5
50-99	111	32	0	1	49	1	21	0	7
100-249	304	81	2	3	122	4	55	1	37
250-499	318	87	1	4	178	1	13	0	35
500-999	230	66	*	3	128	1	9	*	23
1000 and Over	266	61	0	1	128	1	24	0	52
Total	1,394	387	4	18	688	10	129	2	158

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

(b) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'

(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, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(e) Hydrocarbon Gas Liquids '(HGL)' include 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).

(f) 'Other' includes all other energy that was purchased or transferred in and not shown elsewhere.

* 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 represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2014 Annual Survey of Manufactures.'

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RSE Table 4.3 Relative Standard Errors for Table 4.3;

Unit: Percents.

Economic Characteristic(a)	Total	Electricity(b)	Residual Fuel Oil	Distillate Fuel Oil(c)	Natural Gas(d)	HGL (excluding natural gasoline)(e)	Coal	Coke and Breeze	Other(f)
Total United States									
Value of Shipments and Receipts									
(million dollars)									
Under 20	5.5	7.1	14.8	13.6	6.5	10.0	0.5	47.3	22.4
20-49	4.9	5.0	42.3	22.9	6.9	10.5	5.0	16.8	15.7
50-99	2.7	4.1	6.1	5.3	3.6	8.9	5.3	5.9	2.4
100-249	2.8	2.7	2.6	7.8	2.5	13.6	2.8	0.0	20.1
250-499	1.3	2.4	0.3	12.4	1.3	11.4	0.1	0.0	2.2
500 and Over	0.8	0.9	0.1	5.0	0.3	3.4	0.6	0.0	4.2
Total	0.8	1.2	2.3	5.6	0.8	4.3	1.1	0.5	3.8
Employment Size									
Under 50	5.4	6.2	10.4	14.0	4.7	8.1	5.2	2.5	35.9
50-99	3.3	5.3	53.7	13.6	3.7	15.1	8.0	19.1	5.1
100-249	1.5	2.8	0.6	14.2	1.9	8.2	2.4	3.5	0.9
250-499	1.2	2.3	3.5	10.7	1.4	12.3	0.9	0.0	1.8
500-999	1.8	1.8	0.1	7.8	1.0	10.2	1.9	0.0	7.4
1000 and Over	0.7	2.1	0.0	8.3	0.6	7.4	1.6	0.0	0.6
Total	0.8	1.2	2.3	5.6	0.8	4.3	1.1	0.5	3.8
Northeast Census Region									
Value of Shipments and Receipts									
(million dollars)									
Under 20	14.2	12.8	16.4	19.6	14.9	18.2	4.3	11.6	57.6
20-49	7.0	10.8	50.8	43.4	9.7	20.3	0.0	0.0	5.5
50-99	8.7	13.6	2.1	28.3	10.8	21.5	21.8	X	1.7
100-249	4.3	6.9	4.4	13.7	4.3	54.9	18.9	0.0	0.1
250-499	4.3	6.5	0.0	28.4	6.0	3.6	0.0	X	2.3
500 and Over	2.3	4.6	0.0	21.2	1.8	4.0	0.0	0.0	0.1
Total	2.7	3.9	5.4	11.7	3.0	14.7	7.3	3.2	5.5
Employment Size									
Under 50	14.8	13.9	11.1	20.2	15.4	20.9	0.2	89.2	55.0
50-99	7.7	10.6	67.4	44.7	8.9	20.3	0.0	0.0	15.4
100-249	5.3	8.7	0.5	21.2	6.7	15.3	17.9	0.0	0.9
250-499	4.5	7.7	31.2	20.7	4.5	63.9	14.2	X	0.0
500-999	3.4	6.1	0.2	6.5	4.9	3.5	0.0	X	0.8
1000 and Over	4.2	6.9	0.0	28.0	3.3	6.2	0.0	0.0	0.4
Total	2.7	3.9	5.4	11.7	3.0	14.7	7.3	3.2	5.5
Midwest Census Region									
Value of Shipments and Receipts									
(million dollars)									
Under 20	9.1	8.3	30.2	25.7	10.7	22.0	1.6	55.5	44.9
20-49	7.9	8.8	76.8	22.5	10.8	18.5	13.5	0.0	5.1
50-99	5.7	7.4	0.8	11.6	7.2	21.3	13.0	8.4	3.7
100-249	6.3	5.4	13.3	8.8	4.6	23.1	4.9	0.0	48.0
250-499	2.6	4.9	21.4	47.8	2.4	15.8	0.1	0.0	8.9
500 and Over	0.7	1.5	0.2	11.1	0.8	3.3	1.2	0.0	1.4
Total	1.7	2.0	7.2	10.4	1.8	8.5	2.3	0.5	14.8
Employment Size									
Under 50	8.9	6.6	24.5	25.4	6.3	13.8	7.4	0.0	53.4
50-99	5.1	7.5	1.1	27.5	5.3	31.5	18.9	49.9	7.9
100-249	3.5	5.4	0.0	13.3	4.7	24.1	6.5	3.1	0.9
250-499	3.2	4.9	0.6	44.0	4.7	21.1	0.4	0.0	5.6
500-999	3.0	3.9	0.0	16.9	4.0	10.0	0.0	0.0	3.0

1000 and Over	1.2	3.1	0.0	13.5	1.0	3.0	6.3	0.0	1.0
Total	1.7	2.0	7.2	10.4	1.8	8.5	2.3	0.5	14.8

South Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	10.0	12.8	19.9	22.9	12.4	14.6	1.4	79.8	21.1
20-49	10.1	9.3	8.7	36.1	15.0	15.1	6.6	29.2	31.4
50-99	3.6	6.3	19.5	3.9	4.4	14.8	0.9	0.0	4.1
100-249	3.0	4.3	1.4	10.0	3.9	15.9	5.2	0.0	3.6
250-499	1.9	3.7	0.2	16.2	1.8	19.1	0.2	X	2.3
500 and Over	1.2	1.4	0.0	1.0	0.4	8.2	0.0	0.0	5.8
Total	1.1	1.9	1.5	9.1	0.9	5.9	1.2	2.2	4.1

Employment Size

Under 50	9.2	8.7	16.1	24.0	9.9	13.5	3.5	X	38.3
50-99	6.3	11.2	42.1	14.1	7.6	22.1	0.9	11.1	6.6
100-249	2.2	4.2	7.7	23.1	2.4	10.4	2.4	30.7	1.9
250-499	1.4	3.5	3.6	6.4	1.2	12.0	1.2	0.0	2.2
500-999	2.5	2.4	0.0	13.1	1.0	18.4	3.0	0.0	9.7
1000 and Over	1.1	4.0	0.0	7.4	0.9	22.5	0.0	0.0	1.0
Total	1.1	1.9	1.5	9.1	0.9	5.9	1.2	2.2	4.1

West Census Region

Value of Shipments and Receipts

(million dollars)

Under 20	13.0	23.5	55.0	38.0	14.9	20.6	0.0	0.0	25.2
20-49	6.6	8.6	X	17.8	10.7	36.1	0.0	0.0	2.6
50-99	5.4	10.2	0.0	4.1	9.1	13.5	0.2	0.0	0.0
100-249	2.5	5.4	0.0	19.8	3.1	25.2	0.0	0.0	0.0
250-499	2.6	5.5	0.0	0.6	2.0	20.7	0.0	0.0	8.4
500 and Over	0.6	1.3	0.0	11.5	0.6	2.0	0.0	X	0.0
Total	1.7	4.3	4.9	14.2	1.9	9.7	0.0	0.0	0.6

Employment Size

Under 50	11.6	24.5	28.7	38.5	13.0	20.4	0.0	0.0	4.2
50-99	5.5	8.4	X	10.6	9.0	28.0	0.0	X	5.5
100-249	3.3	7.9	0.0	7.9	4.3	16.9	0.0	0.0	1.2
250-499	1.4	3.3	0.0	17.4	1.2	22.6	0.5	X	2.0
500-999	1.6	3.7	0.0	4.9	1.5	40.6	0.0	0.0	0.5
1000 and Over	1.6	4.6	X	20.8	1.4	4.3	0.0	X	0.0
Total	1.7	4.3	4.9	14.2	1.9	9.7	0.0	0.0	0.6

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

(b) 'Electricity' consists of quantities of electricity that were purchased or transferred in, and is equivalent to 'purchased electricity' as defined in the 'Annual Survey of Manufactures.'

(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, local distribution companies, and any other supplier(s), such as independent gas producers, gas brokers, marketers, and any marketing subsidiaries of utilities.

(e) Hydrocarbon Gas Liquids '(HGL)' include 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).

(f) 'Other' includes all other energy that was purchased or transferred in and not shown elsewhere.

* 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.

X=Not defined because RSE corresponds to a value of zero.

-- Estimation is not applicable. Energy source is not included in series.

Notes: Totals may not equal sum of components because of independent rounding. The derived estimates presented in this table represent the consumption of energy originally produced offsite, acquired as a result of a purchase or transfer and consumed onsite for the production of heat and power. This definition is consistent with the definition of 'purchased' fuels and electric energy used by the Bureau of the Census in the preparation of 'Fuels and Electric Energy Consumed,' of the 'Annual Survey of Manufactures,' for 1974 through 1981.

Sources: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey,' and the Bureau of the Census, data files for the '2014 Annual Survey of Manufactures.'