

Table 5.6 End Uses of Fuel Consumption, 2006;
Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Electricity;
Unit: Trillion Btu.

End Use	Total	Net Electricity(a)	Residual Fuel Oil	Distillate Fuel Oil and Diesel Fuel(b)	Natural Gas(c)	LPG and NGL(d)	Coal (excluding Coal Coke and Breeze)	Other(e)
Total United States								
TOTAL FUEL CONSUMPTION	15,658	2,850	251	129	5,512	79	1,016	5,820
Indirect Uses-Boiler Fue	--	41	133	23	2,119	8	547	--
Conventional Boiler Use		41	71	17	1,281	8	129	
CHP and/or Cogeneration Process		0	62	6	838	1	417	
Direct Uses-Total Process	--	2,244	62	52	2,788	39	412	--
Process Heating	--	346	59	19	2,487	32	345	--
Process Cooling and Refrigeration	--	206	*	1	32	*	*	--
Machine Drive	--	1,441	2	24	129	2	56	--
Electro-Chemical Processes	--	206	--	--	--	--	--	--
Other Process Use	--	45	Q	8	140	5	10	--
Direct Uses-Total Nonprocess	--	539	6	50	438	27	6	--
Facility HVAC (f)	--	265	4	4	378	5	2	--
Facility Lighting	--	198	--	--	--	--	--	--
Other Facility Support	--	60	1	*	30	*	*	--
Onsite Transportation	--	7	--	35	3	20	--	--
Conventional Electricity Generation	--	--	*	4	19	*	3	--
Other Nonprocess Use	--	8	*	6	8	1	*	--
End Use Not Reported	6,125	26	49	4	168	5	52	5,820
Northeast Census Region								
TOTAL FUEL CONSUMPTION	1,365	306	64	24	494	13	76	389
Indirect Uses-Boiler Fue	--	2	43	5	172	1	32	--
Conventional Boiler Use		2	26	4	108	1	5	
CHP and/or Cogeneration Process		0	17	1	64	*	27	
Direct Uses-Total Process	--	231	17	10	242	8	40	--
Process Heating	--	50	17	4	230	7	40	--
Process Cooling and Refrigeration	--	20	*	*	*	0	0	--
Machine Drive	--	133	*	6	5	*	0	--
Electro-Chemical Processes	--	22	--	--	--	--	--	--
Other Process Use	--	5	*	*	7	1	0	--
Direct Uses-Total Nonprocess	--	70	4	8	61	4	3	--
Facility HVAC (f)	--	34	3	3	57	1	*	--
Facility Lighting	--	26	--	--	--	--	--	--
Other Facility Support	--	6	1	*	2	*	0	--
Onsite Transportation	--	1	--	4	Q	2	--	--
Conventional Electricity Generation	--	--	*	Q	*	*	3	--
Other Nonprocess Use	--	2	0	Q	*	*	0	--
End Use Not Reported	413	3	*	*	19	Q	1	389
Midwest Census Region								

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TOTAL FUEL CONSUMPTION	4,144	934	37	26	1,582	21	404	1,142
Indirect Uses-Boiler Fue	--	9	20	1	482	2	216	--
Conventional Boiler Use		9	14	1	416	2	56	
CHP and/or Cogeneration Process		0	6	*	66	*	160	
Direct Uses-Total Process	--	731	13	Q	852	8	167	--
Process Heating	--	127	13	1	770	4	106	--
Process Cooling and Refrigeration	--	68	0	*	6	0	0	--
Machine Drive	--	487	*	Q	16	*	52	--
Electro-Chemical Processes	--	37	--	--	--	--	--	--
Other Process Use	--	13	0	Q	Q	4	9	--
Direct Uses-Total Nonprocess	--	189	Q	12	214	9	2	--
Facility HVAC (f)	--	88	Q	*	197	1	1	--
Facility Lighting	--	76	--	--	--	--	--	--
Other Facility Support	--	21	*	*	15	*	0	--
Onsite Transportation	--	3	--	9	*	7	--	--
Conventional Electricity Generation	--	--	0	Q	*	*	0	--
Other Nonprocess Use	--	1	*	2	1	1	*	--
End Use Not Reported	1,206	5	4	1	33	1	20	1,142

South Census Region

TOTAL FUEL CONSUMPTION	8,219	1,267	131	48	2,788	27	410	3,549
Indirect Uses-Boiler Fue	--	27	64	11	1,216	3	243	--
Conventional Boiler Use		27	26	7	588	3	63	
CHP and/or Cogeneration Process		0	38	3	628	*	179	
Direct Uses-Total Process	--	1,012	24	18	1,348	12	135	--
Process Heating	--	136	21	9	1,181	10	131	--
Process Cooling and Refrigeration	--	92	*	*	22	*	*	--
Machine Drive	--	645	1	5	98	1	3	--
Electro-Chemical Processes	--	122	--	--	--	--	--	--
Other Process Use	--	18	Q	4	46	*	1	--
Direct Uses-Total Nonprocess	--	213	1	16	122	10	1	--
Facility HVAC (f)	--	109	Q	1	87	2	1	--
Facility Lighting	--	73	--	--	--	--	--	--
Other Facility Support	--	24	*	*	10	*	*	--
Onsite Transportation	--	4	--	13	Q	8	--	--
Conventional Electricity Generation	--	--	*	*	17	*	*	--
Other Nonprocess Use	--	3	*	2	6	*	*	--
End Use Not Reported	3,744	15	42	2	102	2	32	3,549

West Census Region

TOTAL FUEL CONSUMPTION	1,945	344	18	32	649	19	126	757
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Indirect Uses-Boiler Fue	--	3	6	6	249	3	56	--
Conventional Boiler Use		3	4	4	169	2	5	
CHP and/or Cogeneration Process		0	2	2	80	1	51	
Direct Uses-Total Process	--	271	8	12	346	11	70	--
Process Heating	--	34	8	Q	306	11	69	--
Process Cooling and Refrigeration	--	26	0	*	3	*	0	--
Machine Drive	--	177	0	6	10	*	2	--
Electro-Chemical Processes	--	25	--	--	--	--	--	--
Other Process Use	--	9	*	1	27	*	0	--
Direct Uses-Total Nonprocess	--	67	0	13	41	4	*	--
Facility HVAC (f)	--	34	0	*	36	1	*	--
Facility Lighting	--	23	--	--	--	--	--	--
Other Facility Support	--	9	0	*	3	*	0	--
Onsite Transportation	--	1	--	8	*	3	--	--
Conventional Electricity Generation	--	Q	0	2	2	*	0	--
Other Nonprocess Use	--	Q	0	Q	*	*	0	--
End Use Not Reported	778	3	3	1	14	*	0	757

(a) '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).

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

(c) '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.

(d) 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).'

(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.

(f) Facility Heating, Ventilation, and Air Conditioning '(Facility HVAC)' excludes steam and hot water.

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.

-- Estimation is not applicable.

S=Negative value.

Notes: To obtain the RSE percentage for any table cell, multiply the cell's

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corresponding RSE column and RSE row factors. Totals may not equal sum of components because of independent rounding. The estimates presented in this table are for the total consumption of energy (formerly total inputs of energy) for the production of heat, power, and electricity generation, regardless of where the energy was produced. Specifically, the estimates include the quantities of energy that were originally produced offsite and purchased by or transferred to the establishment, plus those that were produced onsite from other energy or input materials not classified as energy, or were extracted from captive (onsite) mines or wells. Allocations to specific end uses are made on the basis of reasonable approximations by respondents.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'