

Released: March 2010

Next MECS will be conducted in 2010

Table 5.7 End Uses of Fuel Consumption, 2006;
Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Total United States						
TOTAL FUEL CONSUMPTION	977,338	40	22	5,357	21	46
Indirect Uses-Boiler Fuel	24,584	21	4	2,059	2	25
Conventional Boiler Use	24,584	11	3	1,245	2	6
CHP and/or Cogeneration Process	0	10	1	814	*	19
Direct Uses-Total Process	773,574	10	9	2,709	10	19
Process Heating	111,205	9	3	2,417	8	16
Process Cooling and Refrigeration	66,339	*	*	31	*	*
Machine Drive	507,223	*	4	126	*	3
Electro-Chemical Processes	74,825	--	--	--	--	--
Other Process Use	13,983	*	1	136	1	*
Direct Uses-Total Nonprocess	170,536	1	9	426	7	*
Facility HVAC (f)	83,480	1	1	367	1	*
Facility Lighting	62,902	--	--	--	--	--
Other Facility Support	19,187	*	*	29	*	*
Onsite Transportation	2,291	--	6	3	5	--
Conventional Electricity Generation	--	*	1	19	*	*
Other Nonprocess Use	2,676	*	1	8	*	*
End Use Not Reported	8,643	8	1	164	1	2
Northeast Census Region						
TOTAL FUEL CONSUMPTION	102,513	10	4	480	3	3
Indirect Uses-Boiler Fuel	2,146	7	1	167	*	1
Conventional Boiler Use	2,146	4	1	105	*	*
CHP and/or Cogeneration Process	0	3	*	62	*	1
Direct Uses-Total Process	76,903	3	2	235	2	2
Process Heating	15,501	3	1	224	2	2
Process Cooling and Refrigeration	6,221	*	*	*	0	0
Machine Drive	46,977	*	1	5	*	0
Electro-Chemical Processes	6,569	--	--	--	--	--
Other Process Use	1,635	*	*	7	*	0
Direct Uses-Total Nonprocess	22,521	1	1	59	1	*
Facility HVAC (f)	11,142	*	*	56	*	*
Facility Lighting	8,470	--	--	--	--	--

Released: March 2010

Next MECS will be conducted in 2010

Table 5.7 End Uses of Fuel Consumption, 2006;
Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Other Facility Support	2,004	*	*	2	*	0
Onsite Transportation	158	--	1	Q	1	--
Conventional Electricity Generation	--	*	*	*	*	*
Other Nonprocess Use	748	0	*	*	*	0
End Use Not Reported	943	*	*	18	*	*
Midwest Census Region						
TOTAL FUEL CONSUMPTION	291,101	6	4	1,537	5	18
Indirect Uses-Boiler Fuel	3,177	3	*	468	*	10
Conventional Boiler Use	3,177	2	*	404	*	3
CHP and/or Cogeneration Process	0	1	*	64	*	7
Direct Uses-Total Process	229,587	2	Q	828	2	7
Process Heating	39,028	2	*	748	1	5
Process Cooling and Refrigeration	20,658	0	*	6	0	0
Machine Drive	155,265	*	Q	16	*	2
Electro-Chemical Processes	10,815	--	--	--	--	--
Other Process Use	3,820	0	Q	Q	1	*
Direct Uses-Total Nonprocess	56,828	*	2	208	2	*
Facility HVAC (f)	26,368	*	*	192	*	*
Facility Lighting	22,880	--	--	--	--	--
Other Facility Support	6,384	*	*	15	*	0
Onsite Transportation	866	--	2	*	2	--
Conventional Electricity Generation	--	0	*	*	*	0
Other Nonprocess Use	329	*	*	1	*	*
End Use Not Reported	1,509	1	*	32	*	1
South Census Region						
TOTAL FUEL CONSUMPTION	468,258	21	8	2,709	7	18
Indirect Uses-Boiler Fuel	17,813	10	2	1,182	1	11
Conventional Boiler Use	17,813	4	1	571	1	3
CHP and/or Cogeneration Process	0	6	1	611	*	8
Direct Uses-Total Process	375,563	4	3	1,310	3	6
Process Heating	45,704	3	2	1,148	3	6
Process Cooling and Refrigeration	31,314	*	*	22	*	*

Released: March 2010

Next MECS will be conducted in 2010

Table 5.7 End Uses of Fuel Consumption, 2006;
Level: National and Regional Data;
Row: End Uses;
Column: Energy Sources, including Net Demand for Electricity;
Unit: Physical Units or Btu.

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
Machine Drive	243,378	*	1	95	*	*
Electro-Chemical Processes	49,372	--	--	--	--	--
Other Process Use	5,795	*	1	45	*	*
Direct Uses-Total Nonprocess	69,912	*	3	118	3	*
Facility HVAC (f)	35,362	*	*	85	*	*
Facility Lighting	24,126	--	--	--	--	--
Other Facility Support	8,190	*	*	10	*	*
Onsite Transportation	1,103	--	2	Q	2	--
Conventional Electricity Generation	--	*	*	16	*	*
Other Nonprocess Use	1,131	*	*	6	*	*
End Use Not Reported	4,970	7	*	100	1	1
West Census Region						
TOTAL FUEL CONSUMPTION	115,466	3	5	631	5	6
Indirect Uses-Boiler Fuel	1,449	1	1	242	1	3
Conventional Boiler Use	1,449	1	1	164	1	*
CHP and/or Cogeneration Process	0	*	*	78	*	2
Direct Uses-Total Process	91,521	1	2	336	3	3
Process Heating	10,971	1	Q	297	3	3
Process Cooling and Refrigeration	8,146	0	*	2	*	0
Machine Drive	61,603	0	1	10	*	*
Electro-Chemical Processes	8,069	--	--	--	--	--
Other Process Use	2,733	*	*	27	*	0
Direct Uses-Total Nonprocess	21,275	0	2	40	1	*
Facility HVAC (f)	10,608	0	*	35	*	*
Facility Lighting	7,426	--	--	--	--	--
Other Facility Support	2,609	0	*	3	*	0
Onsite Transportation	164	--	1	*	1	--
Conventional Electricity Generation	--	0	*	2	*	0
Other Nonprocess Use	469	0	*	*	*	0
End Use Not Reported	1,222	1	*	14	*	0

(a) 'Net Demand for Electricity' is the sum of purchases, transfers in, and total onsite electricity generation, minus sales and transfers offsite. It is the total amount of electricity used by establishments. 'Net Demand for

Table 5.7 End Uses of Fuel Consumption, 2006;**Level: National and Regional Data;****Row: End Uses;****Column: Energy Sources, including Net Demand for Electricity;****Unit: Physical Units or Btu.**

End Use	Net Demand for Electricity(a) (million kWh)	Residual Fuel Oil (million bbl)	Distillate Fuel Oil and Diesel Fuel(b) (million bbl)	Natural Gas(c) (billion cu ft)	LPG and NGL(d) (million bbl)	Coal (excluding Coal Coke and Breeze) (million short tons)
----------------	--	--	---	---	---	---

Electricity' is not directly comparable with 'Net Electricity,' which specifically excludes electricity generated onsite by combustible energy sources.

(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) 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 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.'