

Table 5.7 End Uses of Fuel Consumption, 2010;**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	845,727	13	22	5,064	18	39
Indirect Uses-Boiler Fuel	12,979	7	3	2,074	3	26
Conventional Boiler Use	12,979	3	1	712	1	3
CHP and/or Cogeneration Process	--	4	3	1,362	2	23
Direct Uses-Total Process	675,152	4	9	2,549	7	13
Process Heating	93,261	4	2	2,295	6	13
Process Cooling and Refrigeration	60,966	*	*	24	*	0
Machine Drive	426,121	*	5	116	1	*
Electro-Chemical Processes	77,146	--	--	--	--	--
Other Process Use	17,659	*	2	113	*	*
Direct Uses-Total Nonprocess	140,402	1	9	358	7	*
Facility HVAC (f)	69,090	*	1	297	1	*
Facility Lighting	51,946	--	--	--	--	--
Other Facility Support	14,925	*	*	35	1	*
Onsite Transportation	1,442	--	7	1	5	--
Conventional Electricity Generation	--	*	1	18	*	*
Other Nonprocess Use	2,999	*	1	7	*	*
End Use Not Reported	17,194	1	1	83	1	*
Northeast Census Region						
TOTAL FUEL CONSUMPTION	85,752	5	4	427	4	3
Indirect Uses-Boiler Fuel	1,314	3	1	184	1	2
Conventional Boiler Use	1,314	2	*	65	*	*
CHP and/or Cogeneration Process	--	1	1	119	1	2
Direct Uses-Total Process	64,273	1	1	193	2	1
Process Heating	11,096	1	1	178	2	1
Process Cooling and Refrigeration	5,812	*	*	7	*	0
Machine Drive	40,701	*	*	5	*	0
Electro-Chemical Processes	5,597	--	--	--	--	--

Released: March 2013

Next MECS will be fielded in 2015

Table 5.7 End Uses of Fuel Consumption, 2010;**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 Process Use	1,067	*	*	2	*	*
Direct Uses-Total Nonprocess	17,579	*	2	47	1	*
Facility HVAC (f)	8,543	*	1	43	*	*
Facility Lighting	6,524	--	--	--	--	--
Other Facility Support	1,881	*	*	3	*	0
Onsite Transportation	178	--	1	*	*	--
Conventional Electricity Generation	--	*	*	*	*	0
Other Nonprocess Use	453	*	*	*	*	0
End Use Not Reported	2,585	*	*	3	*	0
Midwest Census Region						
TOTAL FUEL CONSUMPTION	242,435	1	4	1,393	4	16
Indirect Uses-Boiler Fuel	3,249	1	*	477	*	11
Conventional Boiler Use	3,249	*	*	232	*	2
CHP and/or Cogeneration Process	--	*	*	246	*	9
Direct Uses-Total Process	191,841	*	2	728	1	5
Process Heating	33,786	*	*	681	1	5
Process Cooling and Refrigeration	19,577	0	*	5	*	0
Machine Drive	115,722	0	*	11	*	*
Electro-Chemical Processes	18,755	--	--	--	--	--
Other Process Use	4,001	0	1	31	*	*
Direct Uses-Total Nonprocess	43,869	*	2	166	3	*
Facility HVAC (f)	19,904	*	*	152	*	*
Facility Lighting	18,023	--	--	--	--	--
Other Facility Support	4,773	0	*	12	Q	*
Onsite Transportation	580	--	1	*	2	--
Conventional Electricity Generation	--	0	*	*	*	*
Other Nonprocess Use	589	*	*	2	*	*
End Use Not Reported	3,476	*	*	Q	*	0
South Census Region						

Released: March 2013

Next MECS will be fielded in 2015

Table 5.7 End Uses of Fuel Consumption, 2010;**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 FUEL CONSUMPTION	407,850	6	8	2,647	5	14
Indirect Uses-Boiler Fuel	7,050	3	1	1,161	1	10
Conventional Boiler Use	7,050	1	*	312	*	1
CHP and/or Cogeneration Process	--	2	1	849	*	8
Direct Uses-Total Process	334,565	2	3	1,330	2	4
Process Heating	38,676	2	1	1,169	1	4
Process Cooling and Refrigeration	28,228	0	*	11	*	0
Machine Drive	216,216	*	2	91	*	*
Electro-Chemical Processes	43,662	--	--	--	--	--
Other Process Use	7,783	0	*	59	*	*
Direct Uses-Total Nonprocess	57,391	*	4	106	2	*
Facility HVAC (f)	29,152	*	*	71	*	*
Facility Lighting	20,457	--	--	--	--	--
Other Facility Support	5,845	*	*	13	*	*
Onsite Transportation	475	--	3	*	2	--
Conventional Electricity Generation	--	*	*	17	*	*
Other Nonprocess Use	1,461	0	*	4	*	*
End Use Not Reported	8,845	*	*	50	1	*
West Census Region						
TOTAL FUEL CONSUMPTION	109,691	1	6	597	4	6
Indirect Uses-Boiler Fuel	1,366	1	*	251	1	3
Conventional Boiler Use	1,366	*	*	103	*	*
CHP and/or Cogeneration Process	--	*	*	148	*	3
Direct Uses-Total Process	84,473	1	3	298	3	3
Process Heating	9,703	1	Q	267	2	2
Process Cooling and Refrigeration	7,349	0	*	1	*	0
Machine Drive	53,481	*	Q	9	*	0
Electro-Chemical Processes	9,132	--	--	--	--	--
Other Process Use	4,808	0	*	22	*	*
Direct Uses-Total Nonprocess	21,563	*	2	40	1	*

Table 5.7 End Uses of Fuel Consumption, 2010;**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)
Facility HVAC (f)	11,490	*	*	31	*	*
Facility Lighting	6,942	--	--	--	--	--
Other Facility Support	2,425	*	*	8	*	0
Onsite Transportation	209	--	1	*	1	--
Conventional Electricity Generation	--	*	*	1	*	0
Other Nonprocess Use	497	0	*	1	*	0
End Use Not Reported	2,288	*	*	8	*	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 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: 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

Table 5.7 End Uses of Fuel Consumption, 2010;**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 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: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2010 Manufacturing Energy Consumption Survey.'