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)	RSE Row Factors			
Total United States										
RSE Column Factors:	0.3	2.4	1.1	1.4	1	0				
TOTAL FUEL CONSUMPTION	966,231	33	24	5,641	26	53	3.4			
Indirect Uses-Boiler Fuel	6,714	20	6	2,105	2	35	5.3			
Conventional Boiler Use	3,199	12	4	1,271	2	11	5.6			
CHP and/or Cogeneration Process	3,515	8	2	834	*	23	3.8			
Direct Uses-Total Process	768,929	10	7	2,907	16	17	2.9			
Process Heating	103,992	9	4	2,670	15	17	3.3			
Process Cooling and Refrigeration	62,460	*	*	44	*	*	3.8			
Machine Drive	511,864	*	3	106	1	*	4.8			
Electro-Chemical Processes	86,360						1			
Other Process Use	4,253	*	*	87	*	*	5.3			
Direct Uses-Total Nonprocess	161,383	1	9	500	6	1	4.6			
Facility HVAC (e)	81,980	1	1	406	1	*	6.6			
Facility Lighting	62,019						1.1			
Other Facility Support	14,872	*	*	29	*	*	9.7			
Onsite Transportation	1,277		6	2	5		3.1			
Conventional Electricity Generation		*	Q	54	*	1	1.7			
Other Nonprocess Use	1,235	*	Q	10	*	0	8.8			
End Use Not Reported	29,205	3	2	129	2	*	8.3			
	Northeast Censu	s Region								
RSE Column Factors:	0.2	2.7	1.2	1.8	0.6	0				
TOTAL FUEL CONSUMPTION	110,652	11	5	523	2	4	4.4			
Indirect Uses-Boiler Fuel	534	7	2	183	*	2	5.6			
Conventional Boiler Use	188	5	1	114	*	*	8.7			
CHP and/or Cogeneration Process	346	2	*	70	0	1	2.6			
Direct Uses-Total Process	80,787	2	2	236	1	2	6			
Process Heating	12,745	2	2	220	1	2	7.1			

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)	RSE Row Factors
Process Cooling and Refrigeration	7,516	*	*	5	*	0	4.3
Machine Drive	53,477	*	*	7	*	0	8.8
Electro-Chemical Processes	6,295						1
Other Process Use	Q	*	*	4	*	0	9.1
Direct Uses-Total Nonprocess	24,491	*	1	79	1	*	4.7
Facility HVAC (e)	12,126	*	1	66	*	*	6.4
Facility Lighting	9,668						1.3
Other Facility Support	2,239	*	*	9	*	0	12.2
Onsite Transportation	150		*	*	1		3.5
Conventional Electricity Generation		*	*	2	*	*	2.1
Other Nonprocess Use	307	0	*	1	*	0	10.9
End Use Not Reported	4,840	1	1	26	*	*	7.6
RSE Column Factors:	Midwest Census	Region 2.3	1.3	1.8	0.8	0	
NSE COlumn actors.	0.2	2.0	1.5	1.0	0.0	0	
TOTAL FUEL CONSUMPTION	267,535	3	5	1,455	5	20	5.8
Indirect Uses-Boiler Fuel	1,903	3	1	405	*	14	8.1
Conventional Boiler Use	958	1	1	348	*	6	10.7
CHP and/or Cogeneration Process	945	1	*	57	*	8	4.9
Direct Uses-Total Process	210,960	1	2	792	2	5	5.2
Process Heating	35,871	1	1	750	2	5	5.9
Process Cooling and Refrigeration	16,191	0	*	3	*	0	5.3
Machine Drive	139,193	0	*	20	*	*	8.1
Electro-Chemical Processes	18,371						1
Other Process Use	1,334	*	*	19	*	*	5.1
Direct Uses-Total Nonprocess	47,235	*	2	213	2	*	7.6
Facility HVAC (e)	22,201	*	*	193	*	*	5.9
Facility Lighting	19,713						1.2
Other Facility Support	4,338	*	*	8	*	*	4.6
Onsite Transportation	517		2	*	2		5
Conventional Electricity Generation		*	*	6	*	*	4.4

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)	RSE Row Factors	
Other Nonprocess Use End Use Not Reported	466 7,436	*	Q *	5 46	* Q	0 *	12.4 13.8	
	South Census Re	egion						
RSE Column Factors:	0.3	3.2	1.2	1.5	1.1	0		
TOTAL FUEL CONSUMPTION	473,138	17	9	3,005	15	24	4.5	
Indirect Uses-Boiler Fuel	3,993	9	3	1,273	1	17	6.9	
Conventional Boiler Use	1,822	5	2	643	1	4	6.8	
CHP and/or Cogeneration Process	2,170	4	1	630	*	13	2.4	
Direct Uses-Total Process	389,107	6	2	1,542	11	6	3.5	
Process Heating	46,030	6	1	1,375	10	6	3.8	
Process Cooling and Refrigeration	31,316	*	*	35	*	*	3.4	
Machine Drive	257,968	*	1	71	*	*	3.9	
Electro-Chemical Processes	52,240						1	
Other Process Use	1,552	*	*	60	*	*	4.2	
Direct Uses-Total Nonprocess	68,696	*	3	153	2	*	4.7	
Facility HVAC (e)	36,880	*	*	106	*	*	8.1	
Facility Lighting	25,101						1.2	
Other Facility Support	5,814	*	*	8	*	*	3.8	
Onsite Transportation	525		3	1	2		3.5	
Conventional Electricity Generation		0	*	34	*	*	1.3	
Other Nonprocess Use	374	*	*	3	*	0	8.1	
End Use Not Reported	11,343	2	1	37	1	*	10.3	
West Census Region								
RSE Column Factors:	0.3	3.4	1.9	1.6	0.4	0		
TOTAL FUEL CONSUMPTION	114,906	2	5	658	4	5	3.7	
Indirect Uses-Boiler Fuel	284	1	*	244	1	2	3.5	
Conventional Boiler Use	231	1	*	166	1	*	3.5	

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

	Distillate	÷						
	Net Demand Fuel Oil				Coal			
	for	Residual	and	Natural	LPG and	(excluding Coal	RSE	
	Electricity(a)	Fuel Oil	Diesel Fuel(b)	Gas(c)	NGL(d)	Coke and Breeze)	Row	
End Use	(million kWh)	(million bbl)	(million bbl)	(billion cu ft)	(million bbl)	(million short tons)	Factors	
CHP and/or Cogeneration Process	53	*	*	78	*	1	1.1	
Direct Uses-Total Process	88,075	1	2	338	2	3	3.8	
Process Heating	9,344	1	*	325	2	3	3.7	
Process Cooling and Refrigeration	7,437	0	*	1	*	0	4	
Machine Drive	61,226	0	1	9	*	0	5	
Electro-Chemical Processes	9,454						1.1	
Other Process Use	613	0	*	4	*	0	6	
Direct Uses-Total Nonprocess	20,961	*	2	56	1	*	3.7	
Facility HVAC (e)	10,772	0	*	41	*	*	5.5	
Facility Lighting	7,536						1.2	
Other Facility Support	2,480	*	*	3	*	0	4.1	
Onsite Transportation	85		1	*	1		5.1	
Conventional Electricity Generation		0	Q	10	*	*	1.5	
Other Nonprocess Use	87	0	*	1	*	0	6.8	
End Use Not Reported	5,586	*	*	20	*	*	9.8	

(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.

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

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

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.

End Use

-- 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, '2002 Manufacturing Energy Consumption Survey.'