

Typical Residential Appliance Usage

Location	Item	Annual Consumption (kWh/year)
Kitchen	Coffee Maker	90
	Dishwasher	120
	Microwave Oven	140
	Refrigerator - Freezer	940
	Freezer	680
Lighting	18W Compact Fluorescent	20
	60W Incandescent Lamp	40
	100W Incandescent Lamp	70
	Torchiere Lamp - Halogen	440
Bedroom and Bathroom	Hair Dryer	40
	Waterbed Heater	1070
Laundry Room	Clothes Dryer	1000
	Clothes Washer	110
Home Electronics	Cable Box	110
	Computer (CPU & Monitor)	260
	Compact Stereo	110
	Rack Stereo	150
	Color Television	260
	VCR	70
Heating and Cooling	Dehumidifier	970
	Furnace Fan	400
	Window Fan	10
Water Heating	Water Heater -- Family of 4	4770
	Water Heater -- Family of 2	2340
Miscellaneous	Clock/Radio	20
	Lawn Mower	30
	Pool Pump	790
	Well Pump	80
Total Standby		500

Operating Characteristics of Electric Appliances in the Residential Sector (Notes and Sources on back)

Notes: 1) Power draw will vary due to appliance components and modes of operation. 2) [omitted] 3) Excludes electricity for water heating and clothes drying. 4) Cycles/year. 5) Energy consumption is not multiplicative for multiple units. Electricity consumption increases approximately 40 kWh per additional unit. 6) Gallons/day.

Sources: BTS/A.D. Little, Electricity Consumption by Small End Uses in Residential Buildings, August 1998, Exhibit 6-8, p. 6-10 for coffee maker, cable box, clothes washer, computer, dehumidifier, dishwasher, furnace fan, microwave oven, pool pump, torchiere lamp-halogen, waterbed heater, and well pump; LBNL, Energy Data Sourcebook for the U.S. Residential Sector, LBNL-40297, September 1997, p. 100-102 for clothes dryers, Table 10.2, p. 108 for lighting, and p. 62-67 for water heaters; LBNL, Miscellaneous Electricity Use in the U.S. Residential Sector, LBNL-40295, April 1998, Appendix D, p. D-1-D-9 for hair dryer, window fan, and lawn mower; EIA, Supplement to AEO 2000, Dec. 1999, Table 21 for refrigerator and freezer; BTS/LBNL, Energy Use of Home Audio Products in the U.S., Dec. 1999, Table 4-9, 28 and p. 31-35 for audio electronics; BTS/LBNL, Energy Use of Televisions and Videocassette Recorders in the U.S., Mar. 1999, Tables 3-6 - 3-8, p. 19-22, and Tables 4-6 - 4-8, p. 32-34; GAMA, Consumer's Directory of Certified Efficiency Ratings for Heating and Water Heating Equipment, April 2000 for water heater power draw; and LBNL for total standby.