



Marblehead Municipal Light Department

Estimated Monthly KWh Usage Guide

To calculate the cost of operating an appliance in your home, use the following formula:

$$\text{Watts} + 1,000 \times \text{Hours used} = \text{kilowatt-hours (kWh)}$$

$$*\text{kWh} \times .14 \text{ (Cost per kWh)} = \text{operation cost}$$

	Typical Wattage Of Product	Average Monthly Hours used	Average Monthly kWh	Monthly Cost
<u>HEATING AND COOLING</u>				
Air Conditioner- 10,000 BTU	1000	200	200	28.00
Air Conditioner - 7,000 BTU	750	200	150	21.00
Air Conditioner - 5,000 BTU	500	200	100	14.00
Dehumidifier 65 pint	790	720	568	79.63
Dehumidifier 40 pint	625	720	450	63.00
Electric Blanket	65	240	16	2.24
Ceiling Fan with 3 — 60-Watt Bulbs	230	180	41	5.74
Fan (Window)	200	50	10	1.40
Heater Portable 1500 Watt	1500	75	112	15.68
Electric Water Heater	4500	120	540	75.60
Heating System Hot Air 3/4 HP Motor	750	240	180	25.20
Heating System Hot Water (1 Zone)	315	240	77	10.64
Heating System — Hot Water (Summer Use)	135	240	32	4.48
Humidifier — Cool Mist	200	200	40	5.60
Humidifier — Warm Mist	384	200	77	10.78
Waterbed — Double @ 90 ⁰	75	720	54	7.56
<u>HOME ENTERTAINMENT</u>				
Answering Machine	10	720	7	.98
Computer with Monitor	270	120	32	4.48
Computer Laptop	75	90	7	.98
Stereo	75	130	10	1.40
Telephone — Cordless	5	720	4	.98
Television — 32 inches	130	120	16	2.24
Television Plasma 42' — 50'	375	120	45	6.30
Television Cable Converter Box	35	720	25	3.50
<u>LAUNDRY</u>				
Clothes Washer	1200	16	19	2.66
Clothes Dryer — Electric	5000	24	120	16.80
Iron	1100	10	11	1.54

	Typical Wattage Of Product	Average Monthly Hours Used	Average Monthly kWh	Monthly Cost
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KITCHEN APPLIANCES

Coffee Maker	900	13	12	1.68
Dishwasher (With Dry Cycle)	1000	20	20	2.80
Dishwasher (Without Dry Cycle)	200	20	4	0.56
Grill - Counter Top	1425	8	11	1.54
Microwave Oven	1500	10	15	2.10
Mixer - Stand	300	20	6	.84
Oven	5000	10	50	7.00
Range - Large Surface Unit	2400	10	24	3.36
Slow Cooker	200	40	8	1.12
Toaster Oven	1500	15	22	3.08
Water Cooler with Hot Water	600	120	72	10.08

REFRIGERATION

Chest Freezer 14 cu. ft.- Frost-free	583	240	140	19.60
Chest Freezer 9 cu. ft. - Frost-free	450	240	108	15.12
Refrigerator - Freezer 25 cu. ft. - Side by Side	841	240	202	28.28
Refrigerator - Freezer 24 cu. ft. - Frost-free	653	240	157	21.98
Refrigerator Freezer 19 cu. ft. -- Frost-free	509	240	122	17.08

HOME LIGHTING

Lighting - 100 Watt Bulb	100	240	20	2.80
Lighting - 75 Watt Bulb	75	240	18	2.52
Lighting - 60 Watt Bulb	60	240	14	1.96
Lighting - Chandelier 5 - 40 Watt Bulbs	200	240	48	6.72
Lighting - Comp Fluorescent - 23 Watt Bulb	23	240	6	.84
Lighting - comp Fluorescent - 18 Watt Bulb	18	240	4	.56
Lighting - Comp Fluorescent - 15 Watt Bulb	15	240	4	.56

MISCELLANEOUS

Fish Tank (10 Gallon)	80	360	29	4.06
Fish Tank (50 Gallon)	230	360	83	11.62
Hair Dryer (Hand Held)	1500	10	15	2.10
Hot Tub - Insulated/Outdoor (4 person)	1500	360	540	75.60
Sump pump	500	20	10	1.40
Swimming Pool - In Ground 20 X 40	1000	360	360	5.40
Vacuum - Regular	1440	6	9	1.26
Whirlpool Tub	1800	15	27	3.78