

Understanding Electricity

To calculate kilowatt usage: (Wattage x hours used per day) / 1000 = Daily kilowatt-hour (kWh) consumption

Do you know how much electricity our appliances use?					
Appliance	Watts	Hours Used	kWh / day	Monthly	.10c / kWh
In the Kitchen					
Refrigerator - Frost Free 16 CF	725	24	17.4	522	\$52.20
<i>Coffee Maker From</i>	<i>900</i>	<i>2</i>	<i>1.8</i>	<i>54</i>	<i>\$5.40</i>
<i>Coffee Maker To</i>	<i>1200</i>	<i>2</i>	<i>2.4</i>	<i>72</i>	<i>\$7.20</i>
Blender	300	1	0.3	9	\$0.90
Garbage Disposal	450	1	0.45	14	\$1.35
<i>Dishwasher From*</i>	<i>1200</i>	<i>1</i>	<i>1.2</i>	<i>36</i>	<i>\$3.60</i>
<i>Dishwasher To</i>	<i>2400</i>	<i>1</i>	<i>2.4</i>	<i>72</i>	<i>\$7.20</i>
<i>Microwave Oven From</i>	<i>750</i>	<i>1</i>	<i>0.75</i>	<i>23</i>	<i>\$2.25</i>
<i>Microwave Oven To</i>	<i>1100</i>	<i>1</i>	<i>1.1</i>	<i>33</i>	<i>\$3.30</i>
<i>Toaster From</i>	<i>800</i>	<i>1</i>	<i>0.8</i>	<i>24</i>	<i>\$2.40</i>
<i>Toaster To</i>	<i>1400</i>	<i>1</i>	<i>1.4</i>	<i>42</i>	<i>\$4.20</i>
Toaster oven	1225	1	1.225	37	\$3.68
In the Laundry Room					
<i>Clothes Washer From</i>	<i>350</i>	<i>2</i>	<i>0.7</i>	<i>21</i>	<i>\$2.10</i>
<i>Clothes Washer To</i>	<i>500</i>	<i>2</i>	<i>1</i>	<i>30</i>	<i>\$3.00</i>
<i>Clothes Dryer From</i>	<i>1800</i>	<i>2</i>	<i>3.6</i>	<i>108</i>	<i>\$10.80</i>
<i>Clothes Dryer To</i>	<i>5000</i>	<i>2</i>	<i>10</i>	<i>300</i>	<i>\$30.00</i>
General Home Appliances					
<i>Aquarium From**</i>	<i>50</i>	<i>24</i>	<i>1.2</i>	<i>36</i>	<i>\$3.60</i>
<i>Aquarium To</i>	<i>1210</i>	<i>24</i>	<i>29.04</i>	<i>871</i>	<i>\$87.12</i>
Clock Radio	10	24	0.24	7	\$0.72
<i>Hair dryer From</i>	<i>1200</i>	<i>1</i>	<i>1.2</i>	<i>36</i>	<i>\$3.60</i>
<i>Hair dryer To</i>	<i>1875</i>	<i>1</i>	<i>1.875</i>	<i>56</i>	<i>\$5.63</i>
<i>Portable Heater From</i>	<i>750</i>	<i>4</i>	<i>3</i>	<i>90</i>	<i>\$9.00</i>
<i>Portable Heater To</i>	<i>1500</i>	<i>4</i>	<i>6</i>	<i>180</i>	<i>\$18.00</i>
<i>Clothes Iron From</i>	<i>1000</i>	<i>1</i>	<i>1</i>	<i>30</i>	<i>\$3.00</i>
<i>Clothes Iron To</i>	<i>1800</i>	<i>1</i>	<i>1.8</i>	<i>54</i>	<i>\$5.40</i>
<i>Radio (sterio) From</i>	<i>70</i>	<i>1</i>	<i>0.07</i>	<i>2</i>	<i>\$0.21</i>
<i>Radio (sterio) To</i>	<i>400</i>	<i>1</i>	<i>0.4</i>	<i>12</i>	<i>\$1.20</i>
Garage Door Opener	350	1	0.35	11	\$1.05
Dehumidifier	785	8	6.28	188	\$18.84
Single Electric Blanket	60	8	0.48	14	\$1.44

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Double Electric Blanket	100	8	0.8	24	\$2.40	
Fans						
<i>Ceiling From</i>	65	8	0.52	16	\$1.56	
<i>Ceiling To</i>	175	8	1.4	42	\$4.20	
<i>Table Fan From</i>	10	1	0.01	0	\$0.03	
<i>Table Fan To</i>	25	1	0.025	1	\$0.08	
<i>Window From</i>	55	8	0.44	13	\$1.32	
<i>Window To</i>	250	8	2	60	\$6.00	
Furnace	750	8	6	180	\$18.00	
<i>Whole house From</i>	240	8	1.92	58	\$5.76	
<i>Whole house To</i>	750	8	6	180	\$18.00	
Televisions						
<i>19" From</i>	65	8	0.52	16	\$1.56	
<i>19" To</i>	110	8	0.88	26	\$2.64	
<i>27"</i>	113	8	0.904	27	\$2.71	
<i>36"</i>	133	8	1.064	32	\$3.19	
<i>53"-61" Projection</i>	170	8	1.36	41	\$4.08	
<i>Flat Screen</i>	120	8	0.96	29	\$2.88	
<i>42" Plasma</i>	270	8	2.16	65	\$6.48	
<i>42" LCD</i>	176	8	1.408	42	\$4.22	
Entertainment Electronics						
Sattelite Dish	30	8	0.24	7	\$0.72	
<i>VCR From</i>	17	3	0.051	2	\$0.15	
<i>VCR To</i>	21	3	0.063	2	\$0.19	
<i>DVD From</i>	20	3	0.06	2	\$0.18	
<i>DVD To</i>	25	3	0.075	2	\$0.23	
Original Xbox	80	4	0.32	10	\$0.96	
Xbox 360	160	4	0.64	19	\$1.92	
Playstation 2	45	4	0.18	5	\$0.54	
Playstation 3	194	4	0.776	23	\$2.33	
Wii	18	4	0.072	2	\$0.22	

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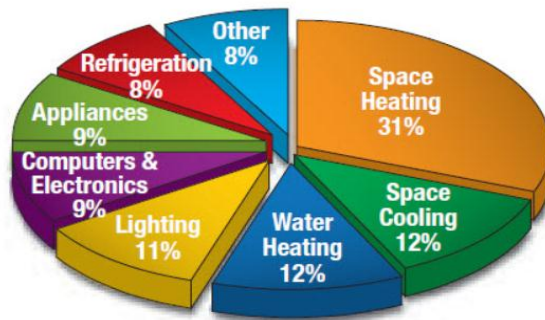
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Do you know how much electricity our appliances use?

Appliance	Watts	Hours Used	kWh / day	Monthly	.10c / kWh
Other					
Vacuum Cleaner From	1000	1	1	30	\$3.00
Vacuum Cleaner To	1440	1	1.44	43	\$4.32
Water Heater (40 gallon) From	4500	3	13.5	405	\$40.50
Water Heater (40 gallon) To	5500	3	16.5	495	\$49.50
Water Pump (deep well) From	250	24	6	180	\$18.00
Water Pump (deep well) To	1100	24	26.4	792	\$79.20
Water Bed (w/heater) From	120	8	0.96	29	\$2.88
Water Bed (w/heater) To	380	8	3.04	91	\$9.12
In the Office					
CPU Awake	120	3	0.36	11	\$1.08
CPU Asleep	30	21	0.63	19	\$1.89
Laptop	50	3	0.15	5	\$0.45
Copier	1265	1	1.265	38	\$3.80
Fax Machine	45	1	0.045	1	\$0.14
Printer	660	1	0.66	20	\$1.98

*using the drying feature greatly increases energy consumption

** starting with 5 gallon tank



http://www.energysavers.gov/your_home/appliances/index.cfm/mytopic=10040

http://ed.fnai.gov/ntep/f98/projects/nrel_energy_2/measurement.html

<http://www.absak.com/library/power-consumption-table>

<http://www.iup.com/news/wattage-gaming-hobby-consume>

Department of Energy: Source: 2007 Buildings Energy Data Book, Table 4.2.1., 2005 energy cost data.