

## Energy Needs Assessment

Appliance	Qty	Power (Watts)	Daily Use (h)
Electric stove (1 Burner only)		1200	
Electric Oven (baking element only)		1350	
Sewing Machine		78	
Refrigerator/Freezer (1980's)		900	
Refrigerator/Freezer (1990's)		450	
Refrigerator/Freezer (2000+)		250	
Freezer, Upright (1980's)		950	
Freezer, Upright (1990's)		500	
Freezer, Upright (2000+)		330	
Freezer, Chest (1980's)		600	
Freezer, Chest (1990's)		300	
Freezer, Chest (2000+)		250	
Microwave Oven		1400	
Slow cooker		300	
Toaster Oven		1550	
Dishwasher (heated dry)		1500	
Dishwasher (air dry)		200	
Coffee Pot		1200	
Toaster (4-slot)		1200	
Blender		300	
Hand Mixer		150	
Waffle Maker		1200	
Frying Pan / Electric Griddle		1200	
Slow Cooker / Crock Pot		1200	
Computer			
-- laptop		75	
-- standard pc & monitor		200	
-- gaming pc & monitor		500	
-- printer (inkjet)		75	
-- DSL / Cable Modem		10	
-- Wi-Fi Router		6	
TV (50" Flat Screen Plasma)		350	
TV (32" LCD Flat Screen)		150	
Satellite Receiver / DVR		30	
Blue Ray DVD Player		15	
Home Theater Receiver		150	
Gaming System		150	
Portable stereo		45	
Home stereo system		390	
Cell phone		3	
Clock Radio		4	
Hair Dryer		1200	
Curling Iron		800	
Incandecent Light Bulbs (60 watt)		60	
Incandecent Light Bulbs (100 watt)		100	
CFL (60 watt equivalent)		18	
CFL (100 watt equivalent)		20	

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LED Light (10 watt)		10
LED Night Light (0.5 watt)		0.5
Pump, Sump, 1/3 HP		800
Pump, Sump, 1/2 HP		1050
Pump, Well, 1/3 HP		750
Pump, Well, 1/2 HP		900
Pump, Well, 3/4 HP		15000
Pump, Well, 1 HP		2000
Pump, Well, 1 - 1/2 HP		2500
Pump, Well, 2 HP		3750
Pump, Well, 3 HP		5000
Pump, Well, 5 HP		7500
Pump, Well, 7 - 1/2 HP		10000
Pump, Well, 10 HP		15000
Pump for Outside wood stove heating		258
Water Heater (electric)		3800
Water Heater (gas)		9
Water Purification System		250
Air Conditioner (Window, Medium)		900
Air Conditioner (Window, Large)		1500
Air Conditioner (Central)		3500
Split / Ductless Air Conditioner		
-- outside unit		1500
-- room unit		400
Swamp Cooler		500
Space Heater		1400
Table Fan (12" 3-speed)		100
Ceiling Fan (52" 3-speed)		90
Ceiling Fan (36" 3-speed)		55
Bathroom Blower Fan (120 watt)		120
Fireplace/Wood Stove Blower Fan		60
Vacuum Cleaner		1500
Clothes Iron		1000
Washing machine (front loading)		150
Washing machine (top loading)		400
Clothes Dryer (gas)		400
Clothes Dryer (electric)		4400
Radial-Arm Saw		1800
Table Saw		1800
Drill (1/2")		750
Belt Sander (4")		1200
Circular Saw		1250
Sabre Saw		500
Portable Grinder		1380
Electric Chain Saw (14" Chain)		1200
Air Impact Tool (1/2 hp)		900
Air Sprayer (1/2 hp)		900
Air Compressor (1 hp)		2000
Shop Vacuum (5 hp)		1000
Kegeerator		425

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Garage Door Opener		300	
Electric Composting Toilet		200	