

**Residential Assessment List**

**Equipment/Appliance TOTAL Usage WORK SHEET #1**

**Residential Info:**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Home Voltage \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Overall service – AMPERAGE into Home \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# of Circuitry Panels \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Upgrades/Comments \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of Fuel desired \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of Heating System (Forced Air, Hot Water Baseboard, Steam, Radiators, Electric, Heat Pump, etc.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of Fuel currently supplying heating System \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item No.** | **Equipment/Appliance** | **Starting Factor** | **Running Wattage** | **QTY Available in Residence** | **Mathematical Total Wattage Required of Item** (running – use maximum) X starting factor) |
| 1 | Water Heater (50 gallon) | 1 | 4500-5000 |  |  |
| 2 | Portable Heater with fan | 2 | 500-1500 |  |  |
| 3 | Furnace fan (Central) 1/4 HP | 3 | 400 |  |  |
| 4 | 1/3 HP | 3 | 450 |  |  |
| 5 | 1/2 HP | 3 | 600 |  |  |
| 6 | Computer | 1 | 200 |  |  |
| 7 | Fax Machine | 1 | 50-1000 |  |  |
| 8 | Space Heater | 1 | 500-1500 |  |  |
| 9 | Refrigerator | 3 | 750 |  |  |
| **Item No.** | **Equipment/Appliance** | **Starting Factor** | **Running Wattage** | **QTY Available in Residence** | **Mathematical Total Wattage Required of Item** (running – use maximum) X starting factor) |
| 10 | Freezer (separate) | 3 | 750 |  |  |
| 11 | Home Security System | 1 | 200 |  |  |
| 12 | Lights  (Need QTY, listed info is for (1) ) | 1 | 40-150 |  | Multiply TOTAL QTY desired X 150 wattage  Total QTY of Lights: \_\_\_\_\_\_\_\_\_\_\_\_\_  150 X \_\_\_\_\_\_\_ = **\_\_\_\_\_\_\_\_\_** |
| 13 | Range with oven | 1 | 12200 |  |  |
| 14 | (Stove) Small Burner | 1 | 1300 |  |  |
| 15 | (Stove) Large Burner | 1 | 2400 |  |  |
| 16 | Garage Door Opener 1/3 HP | 3 | 750 |  |  |
| 17 | ½ HP | 3 | 1050 |  |  |
| 18 | Well Pump 1/3 HP | 3 | 750 |  |  |
| 19 | ½ HP | 3 | 1000 |  |  |
| 20 | ¾ HP | 3 | 1500 |  |  |
| 21 | Submersible Sump Pump ½ HP | 3 | 1000 |  |  |
| 22 | Electric Heat Pump | 3 | 6000 |  |  |
| 23 | Central A/C 3 Ton | 3 | 6000 |  |  |
| 24 | Dishwasher with Hot Water | 2 | 1200 |  |  |
| 25 | TV - Television | 1 | 150-400 |  |  |
| 26 | Radio | 1 | 70-200 |  |  |
| 27 | Microwave | 1 | 600-1500 |  |  |
| 28 | Coffee maker | 1 | 750-1200 |  |  |
| 29 | Toaster | 1 | 1100 |  |  |
| 30 | Hair Dryer | 2 | 600-1500 |  |  |
| 31 | Washing Machine with Hot Water | 2 | 1000 |  |  |
| 32 | Clothes Dryer | 2 | 4850 |  |  |
| 33 | Air Cleaner | 2 | 50 |  |  |
| 34 | Dehumidifier | 2 | 840 |  |  |
| 35 | Humidifier | 1 | 177 |  |  |
| 36 | Vacuum Cleaner | 1 | 800 |  |  |
| 37 | Coffee Pot (10 cup) |  | 1200 |  |  |
| 38 | Coffee Pot (4 cup) |  | 650 |  |  |
| 39 | Toaster |  | 800-1500 |  |  |
| 40 | Cappuccino Maker |  | 1250 |  |  |
| 41 | Coffee Grinder |  | 100 |  |  |
| 42 | Blender |  | 300 |  |  |
| 43 | Waffle iron |  | 1200 |  |  |
| 44 | Hot Plate |  | 1200 |  |  |
| 45 | Frying Pan |  | 1200 |  |  |
| **Item No.** | **Equipment/Appliance** | **Starting Factor** | **Running Wattage** | **QTY Available in Residence** | **Mathematical Total Wattage Required of Item** (running – use maximum) X starting factor) |
| 46 | Toaster Oven |  | 1200 |  |  |
| 47 | VCR |  | 40-60 |  |  |
| 48 | CD Player |  | 35 |  |  |
| 49 | DVD Player |  |  |  |  |
| 50 | Stereo |  | 30-150 |  |  |
| 51 | Clock Radio |  | 50 |  |  |
| 52 | Cassette |  | 8 |  |  |
| 53 | Satellite Dish |  | 30 |  |  |
| 54 | Vacuum cleaner |  | 300-1100 |  |  |
| 55 | Mini-Christmas Lights (50) |  | 25 |  |  |
| 56 | Iron |  | 1000 |  |  |
| 57 | 12” 3 speed table fan |  | 230 |  |  |
| 58 | Jig Saw |  | 300 |  |  |
| 59 | Band Saw |  | 1200 |  |  |
| 60 | Table Saw |  | 1800 |  |  |
| 61 | 6 ½” Circular Saw |  | 1000 |  |  |
| 62 | 7 ¼” Circular Saw |  | 1200 |  |  |
| 63 | 8 ¼” Circular Saw |  | 1800 |  |  |
| 64 | Disc. Sander |  | 1200 |  |  |
| 65 | Makita Chop Saw |  | 1550 |  |  |
| 66 | Makita Cut Off Saw |  | 1000 |  |  |

Instructions

1. Determine EACH piece of Equipment or Appliance AT Residence

2. Simultaneously, calculate EACH “Mathematical Total Wattage Required” (last column)

3. Add ALL the values calculated in “Mathematical Total Wattage Required”, list below. This is the total wattage that is possible for electrical consumption IF all items are turned on (and running) at the same time.

Total Wattage of ALL items in Household \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature/Date of Homeowner

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_