

TEST METER RECORD LOG SHEET

WEC recommends that you write down daily the reading from the meter’s display.

*Subtracting “yesterday’s “ reading from “today’s” provides today’s usage.

Repeat daily reads for 5 days.

To better understand how any appliance or load relates to the whole house usage, use your Co-op on-line access to gather the day’s total usage (or walk out to the meter/write down total/subtract “yesterday’s” reading from “today’s”, to establish total usage, and what the specific load’s contribution to the total is.

First appliance measured	Today’s date	Today’s reading	Today’s usage*
Second appliance measured			
Third appliance measured			
Fourth appliance measured			

Example:

Primary refrigerator	Today’s date	Today’s reading	Today’s usage*
	Day 1	1.5 kwh	1.5 kwh
	Day 2	3.2 kwh	1.7 kwh
	Day 3	4.6 kwh	1.4 kwh
	Day 4	6.0 kwh	1.4 kwh

*Subtracting “yesterday’s “ reading from “today’s” provides today’s usage.

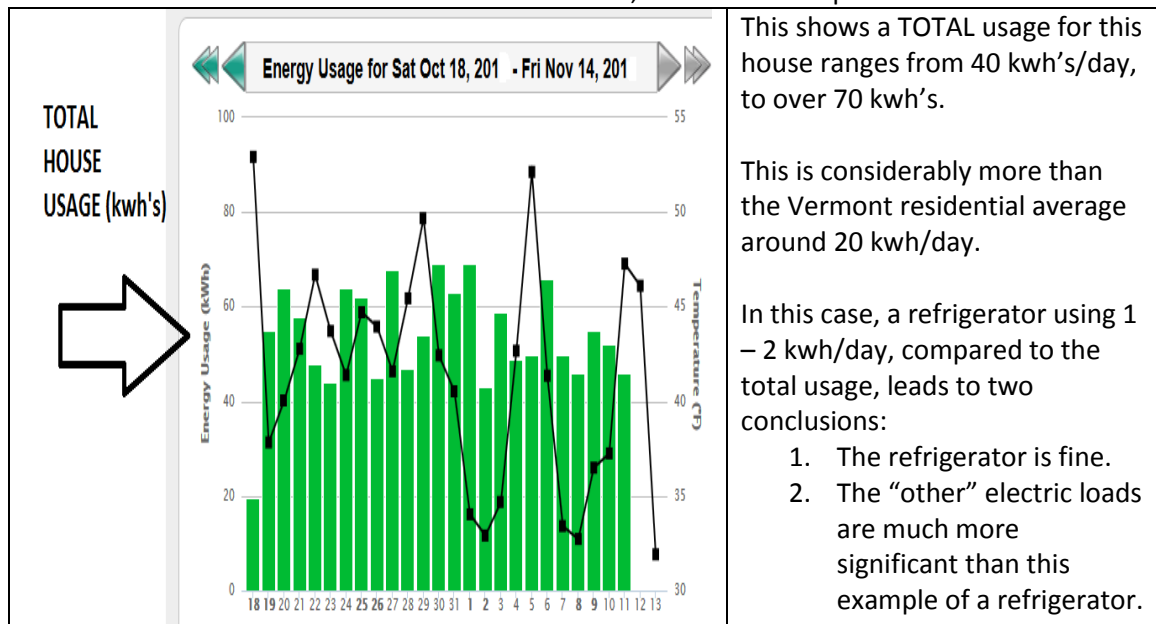
- Q. Why use a test meter?
 A. Most electric loads in WEC member households are 120 volt; if you want to understand “where” the electricity is being used, direct measurement with the test meter is recommended.
- Q. How long should the test meter measurement continue?
 A. The “study period” typically is 5 days, or more. The length depends on (1) what’s being measured, and (2) what sort of daily data are revealed.
- Q. What are the steps in measuring an item’s usage?
 A. Connect the cable of the appliance or load to be measured to the outlet on the front of the meter. When you begin a study, there are no kilowatthours (kwh’s) in the device memory; one day later there will be data. Read the display and record the data on the log sheet (reverse). To be most useful it is important the specific unit’s usage is recorded daily. All members now have secure access to their daily TOTAL usage on-line. Combing the TOTAL usage with the UNIT daily data will provide a more complete picture of where the power is being used.
- Q. How do I interpret directly measured data?
 A. Let’s assume (1) the UNIT to be measured is the primary refrigerator:

Example:

Primary refrigerator	Today’s date	Today’s reading	Today’s usage*	TOTAL HOUSE USAGE**
	Day 1	1.5 kwh	1.5 kwh	
	Day 2	3.2 kwh	1.7 kwh	
	Day 3	4.6 kwh	1.4 kwh	
	Day 4	6.0 kwh	1.4 kwh	

*Subtracting “yesterday’s “ reading from “today’s” provides today’s usage.

** TOTAL HOUSE USAGE is available to all members on line; here is an example:



I am borrowing digital test meter # _____. I agree to return the meter /before _____ (FOUR weeks maximum). If I fail to return this meter I authorize the Co-op to charge me \$30 for its replacement. Use of meter can be extended ON REQUEST (802.223.5245)

Member signature: _____ account #: _____ date: _____