READY HOME CHECK











SAVE ENERGY AND MONEY WITH A READY HOME CHECK.

Saving energy and money sounds easy, but it can be a little daunting to get started.

That's where the Ready Home Check comes in.

We hope this little monitor can help you save big. Just connect it to any appliance, and get the information you need to make decisions that can help you save.

You might be surprised by how much energy some older appliances need, or how many things in your home use energy even when turned off.

Thanks for your interest in energy efficiency, and for the opportunity to serve you.

Black Hills Energy Energy Efficiency Team

HOW TO USE THE KWH MONITOR

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QUICK START INSTRUCTIONS

- 1. Connect the monitor to the outlet and the appliance.
- 2. Press and hold the RESET key on the monitor until "rESt" appears.
- 3. Press and hold the SET rate key until "Rate" is displayed and the currently set rate flashes.
- 4. Press the UP and DOWN key to set your desired rate.
- 5. Press the SET key again. "SAVE" will appear briefly on the screen.
- 6. To display the actual cost of power consumed, press the MENU key until "Cost" is displayed on the screen.
- 7. Pressing the UP and DOWN key will cycle through the cost projection periods. For example, if the display indicates \$2.34 and "Month," the unit is projecting that the attached appliance will consume \$2.34 worth of electricity in one month.
- 8. To display the power measurement, press the MENU key until "Volt" is displayed on the screen.
- 9. To cycle through the various measurements, press the UP and DOWN key. The measurement unit currently selected will be indicated on the screen.
- 10. To display the total consumed power in kilowatt hours, press the MENU key until "KWH" is indicated on the screen.

How-to video available at **blackhillsenergy.com/home-check**.



BLACK HILLS ENERGY RESIDENTIAL RATE

We have all kinds of programs to help you save money and energy. Here are a few ways you can lower your energy costs, make your home more comfortable and reduce your energy use.

Appliance Type	Black Hills Energy Rate x kWh Used*	Total Cost for Energy Used
Refrigerator	\$0.09 x 55	\$4.95/month
Freezer	\$0.09 x 34	\$3.06/month
Dishwasher	\$0.09 x 29	\$2.61/month
Microwave	\$0.09 x 11	\$0.99/month
Clothes Washer	\$0.09 x 64	\$5.76/month

*Example to show how to calculate the cost for Pueblo, Colorado residents.

UNDERSTANDING YOUR **ENERGY USAGE**

Review the chart to understand the average costs to operate various household appliances and how to save money by upgrading older appliances to new ENERGY STAR[®] energy efficient appliances.

Model Type*

Refrigerator/Freezer (25 cubic feet side by side with icemaker)

Refrigerator/Freezer (20 cubic feet top/bottom)

Freezer (14 cubic feet, frost freeze)

Dishwasher (Home with electric water heater, average 18 washes/month)

Microwave (Used 15 minutes/day)

Toaster (Used 5 minutes/day)

Clothes Washer (Home with electric water heater, average 6 washes/week)

Lighting - 13 Watt Compact Fluorescent (1 month at 8 hours/day)

Lighting - 75 Watt Incandescent (1 month at 8 hours/day)

*Purchasing high-efficiency appliances, often certified by ENERGY STAR®, can save you 30% or more on your energy costs. ENERGY STAR® appliances meet the government's energy efficiency rating.

	Monthly kWh	Monthly Usage Cost
Standard	55	\$6.05
Efficient	44	\$4.84
Standard	47	\$5.17
Efficient	38	\$4.18
Standard	34	\$3.74
Efficient	31	\$3.41
Standard	29	\$3.19
Efficient	24	\$2.64
Standard	11	\$1.21
Standard	4	\$0.44
Standard	64	\$7.04
Efficient	40	\$4.40
Standard	3	\$0.33
Standard	18	\$1.98

HIGH USAGE VS ENERGY EFFICIENT APPLIANCES*

AGE OF REFRIGERATORS IN THE U.S.

4%	6%	19%	35%	22%	13%
20 years old	15-19	10-14	5-9	2-4	less than
or more	years old	years old	years old	years old	2 years old



HOW MUCH DOES IT COST TO RUN YOUR REFRIGERATOR EACH YEAR?

\$ 252	^{\$} 164	^{\$} 113	\$ 60	
1980 models	1990 models	2000 models	2018 ENERGY STAR® certified models	

AGE OF ROOM AIR CONDITIONERS IN THE U.S.

1%	1%	3%	8%	8%	5%
20 years old	15-19	10-14	5-9	2-4	less than
or more	years old	years old	years old	years old	2 years old



HOW MUCH DOES IT COST TO RUN YOUR ROOM AIR CONDITIONER EACH YEAR?

^{\$} 180	^{\$} 137	^{\$} 110	\$ 70
1980 models	1990 models	2000 models	2018 ENERGY STAR® certified models

ENERGY EFFICIENCY PROGRAMS



AVAILABLE REBATES

We have rebates for high efficiency cooling, high efficiency heating and insulation that can help you save money immediately, and then save even more over time through reduced energy costs.

Visit energy-ready.com for a full list of programs to see if you qualify.



APPLIANCE RECYCLING PROGRAM

Get rid of your old, inefficient refrigerator, stand-alone freezer, or window air conditioner and earn \$50. We'll dispose of your appliance in an environmentally safe and responsible manner.

Call 888-567-0899 to see if you qualify.

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DIRECT INSTALL PROGRAM (HOMEOWNERS & RENTERS)

Our income qualified customers can receive a no-cost swamp cooler, no-cost energy efficient refrigerator and no-cost LED light bulbs. Call 719-583-6110 (press 2 to choose the weatherization option) for more information.

ENERGY SAVING TIPS



Don't over charge. Unplug once a device is fully charged.



Utilize windows/ screen doors.

Use the cooler air in the morning to cool off your home in the summer, and keep those shades open in the winter to let the sun's warm rays in.



Full loads only.

Wash full loads of dishes or clothes to better manage energy and water.

Clean that filter.

A clean furnace filter allows air to move more easily, reducing the amount of energy needed to heat your home.



Cook outside.

Use an outdoor grill to reduce heat in the house during the hot summer months.



Clean your fridge.

A clean fridge runs more efficiently.

Visit energy-ready.com for more ways to save.

blackhillsenergy.com/home-check