Creating HOME

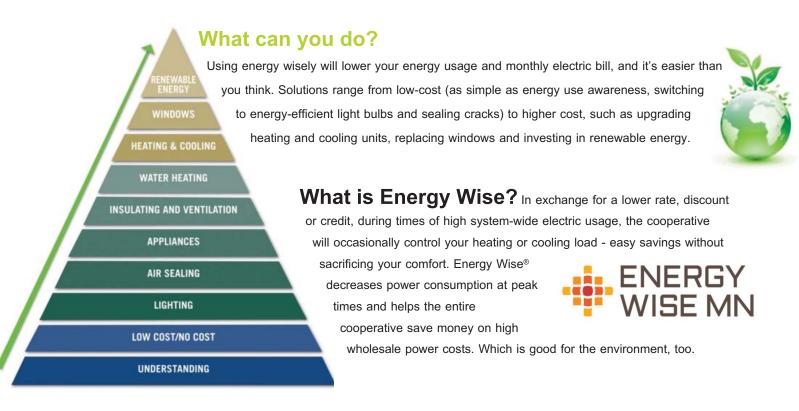


Minnesota Valley Electric Cooperative



Building a new house? Remodeling your existing home? Just want to make an improvement? You have the power to lower your home energy consumption, without compromising your lifestyle and comfort levels.

Minnesota Valley Electric Cooperative's energy specialists are here for you and can provide free advice on innovative programs and resources to help you make energy-efficient decisions.



What electric rate do you want to pay?

Pay full price rates

You can pay MVEC's full general service rate.
But why?

Enjoy savings up to 50%

on your electric rate with Energy Wise programs for electric heating, cooling, electric water heating, and electric vehicle charging.

Receive an Energy Wise discount/credit

- \$7/month credit for electric water heating
- 10% off June-Sept. electric bills with Energy Wise summer cooling program or Wifi thermostat program

Need help paying for

your Energy Wise

installation?

We have low interest financing!

Buy smart and get \$25 to \$1,000 cash back!

We have rebates for Energy Star appliances and Energy Wise® products

such as air source, ground source and mini-split heat pumps, boilers, plenum heaters, cove heaters, baseboard and garage heaters; and also for air conditioner or heat pump tune-ups, high efficient furnace motors and WiFi thermostat installation.

Find rebate forms at www.mvec.net/



Water Heating

Water heating is your household's second largest energy expense. But you can enjoy all the hot water your family needs for up to **55 percent less** when you participate in Energy Wise[®].

Water heating accounts for approximately

14-18% of your utility bills.

64 gallons is the amount of water used by the average household **EACH DAY**.

\$490-600 is the average amount a household spends on water heating EACH YEAR.

Wouldn't you rather pay significantly lower costs

with ENERGY WISE?

These electric water heater tanks have a lifetime warranty!

Marathon

Standard Features:

- Seamless polybutene tank
- Heavy Duty Insulation
- No anode rod,
 recessed brass drain
- LIFETIME warranty on the tank
- 5-year warranty on the elements

Tank sizes:

85-gallon unit

70.25" tall x 28.25" diameter;

134 pounds

105-gallon unit:

70.75" tall x 30.25" diameter; 152 pounds



Westinghouse

Standard Features:

- Stainless Steel Tank
- Heavy Duty Insulation
- No anode rod,
 recessed brass drain
- LIFETIME warranty on the tank
- 5-year warranty on the elements

Tank sizes:

80-gallon unit

69" tall x 23.25" diameter;

151 pounds

188 pounds

100-gallon unit

61" tall x 27" diameter;



Easy ways to save on your water heating bill - - - - - - -

USE LESS
hot water.
Wash clothes in
COLD WATER.

Purchase
ENERGY STAR
APPLIANCES,
such as

such as dishwashers and clothes washers.

FIX LEAKS:

A leak of one drip per second can cost \$1 a month.

Install
LOW-FLOW
FAUCETS AND
SHOWERHEADS.

Set water heater thermostat to 120 DEGREES F.

Cooling & Heating

Enjoy versatile energy efficiency through the seasons with an Air-Source Heat Pump (ASHP). It functions as a hyper-efficient central air conditioner, as well as a source of supplemental heat.



Air Source Heat Pump

- 150-375% energy efficient (the average is 275)
- Provides 100% of your cooling and dehumidification
- Save up to 50% on heating costs with heat pumps in the spring and fall
- Rebates available on heat pump units with an Energy Star
 Seasonal Energy Efficiency Ratio (SEER) of 13 or higher



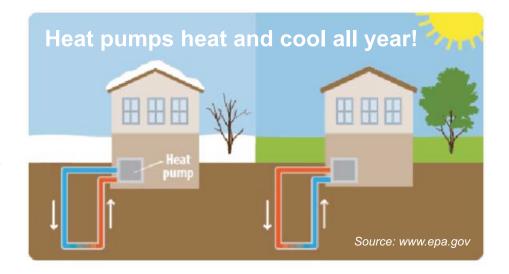
How does it work?

A heat pump has a compressor and two coils made of copper tubing. In heating mode, liquid refrigerant in the outside coil extracts heat from the air and evaporates into a gas. The indoor coils release heat from the refrigerant as it condenses back into a liquid. A reversing valve, near the compressor, can change the direction of the refrigerant flow for cooling, as well as for defrosting the outdoor coils in winter.

During the spring and fall, you may not need to run your furnace at all - just the furnace fan.

Ground Source Heat Pump

- · Also known as geothermal
- · Usually installed with new construction
- Relies on the warmth of the earth for heating and cooling
- Does not create heat; it simply moves it from one area to another.
- 50—70% lower operating costs than most other heating systems
- MVEC Energy Wise rates and rebate available



Ways to save on your heating & cooling bills

- Set thermostat temp slightly lower in the winter and higher than normal in the summer. Start your cooling process early in the day.
- Upgrade windows or add insulation to prevent heat and cooling loss.
- Keep your HVAC system cleaned and tuned each year to help your system work as efficiently as possible. MVEC offers a rebate for AC and air source heat pump tune-ups and a rebate for high efficient furnace motors.

Heating and cooling is the largest energy expense

in your home, accounting for

OVER HALF of your utility bills.

Wouldn't you rather pay significantly reduced electric rates with ENERGY WISE?



in the plenum chamber, which is the spot in your home's ductwork system where ducting and the furnace join. Air is heated as it flows across electric elements and then is distributed through the existing ductwork.

Nice to know: A plenum heater saves on the life of your gas furnace as it only uses the furnace fan and ductwork. The burner is only needed when MVEC is in load control.

It's a low-cost way to upgrade your heating system and turn your fossil-fuel furnace into a dual-fuel system, which allows you to take advantage of low Energy Wise electric rates.

- · 100% efficient, clean and quiet
- 100% safe and flameless
- · Heats evenly
- Modulates to let a heat pump be set to a lower cut-off temperature.
- · Rebate available

Like warm floors?

Electric Boiler

An electric boiler heats your home by heating water that circulates through tubing installed in the floor or in hot-water baseboard heaters. An electric boiler can be zoned to regulate the temperature in different areas of your home.

- · No venting necessary
- · Heat radiates from the floor, providing even heat
- Safe, clean and quiet great comfort control
- · Easy installation with low maintenance
- · 100% efficient
- · Small, compact and lightweight units
- · Energy Wise rates and rebate available



foyers, basements and garages, as well as rooms with vaulted ceilings

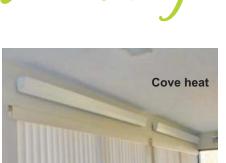
Important notice: if electric heat is the main source of your home's heating system, you may be exempt from Minnesota sales tax during the heating season. That means even more savings!



The Cooperative Difference: As a member of Minnesota Valley Electric Cooperative, you are more than a customer — you are a member-owner. It's our goal to provide you with quality electric service, as well as beneficial products and member services, while maintaining competitive energy prices. Energy Wise is just one of the tools we use to do so.



Heating



Here are other convenient electric applications that can be utilized in your home and qualify for Energy Wise® programs:

Cove heaters

- · Baseboard heaters
- · Fan forced heaters
- Ice melt for sidewalks or garage aprons







Electric resistance heating, also known as zone heating, is 100% energy efficient. Zone heating is effective when you want to focus on heating a specific area of your home. Electric resistance heating may also make sense for a home addition if it is not practical to extend the existing heating system to supply heat to the new addition.







Electric Garage Heater

- · No venting necessary
- 100% efficient
- 5,700 watts/19,500 BTU
- · Mounted from ceiling or wall
- Provides added comfort during cold winter months
- Energy Wise® rates available
- · Built in thermostat with on/off switch
- · Rebate available





Be in control wherever you go!

Ever leave the house and realize you've forgotten to turn the thermostat up or down?

Do you want the ability to remotely change your home's temperature settings from anywhere while on the go?

- Convenient way to control your home energy usage
- Receive a 10% credit on all electric usage June through September
- Free thermostat when installed to Energy Wise® program
- · Installation rebate available







If you have or are considering the purchase of an electric vehicle, we have a "green" program for you. On occasional days when the cooperative experiences a period of high electric usage, wait to charge your vehicle during non-demand times, and you'll pay reduced electric rates for your vehicle charging time.

- Car charger can be hooked up to an Energy Wise meter
- Program specifications depend on your vehicle model and if other Energy Wise programs are in your home
- Program also available to "really go green" by powering your electric vehicle with 100% wind energy





Keep track of your usage and savings with SmartHub!

Manage your electric account 24/7 by computer or smartphone with SmartHub. It's simple and quick to make a payment or view your hourly meter data. You can compare bills and find out what day of the week or hour of the day you typically use the most electricity.

Why does it matter?

MVEC's residential Energy Wise programs give members our best electric rates. These programs emphasize our commitment to promoting wise and efficient use of electric energy. Plus they save you money through bill credits or reduced electric rates.



Join over 16,000 MVEC members who participate in Energy Wise®

Putting the pieces together



MVEC's Energy Wise switch cycles electric loads during peak energy use periods, allowing you to save on household energy costs and keep your family comfortable all year-round.

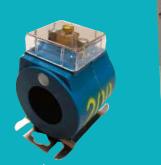




Main meter on your house records your full-price electric rates

Relay Cube

Energy Wise meter records your discount electric rates!



Current Transformer

Current Transformer Box



Energy Wise Switch

Turn your abode into an energy efficient home! Contact your co-op energy experts at

Free advice | low interest financing | contractor sourcing | money-saving rates and rebates — we can help with it all!



