

# Projects Prioritized by Payback

## Medium cost: Payback typically 5-10 years

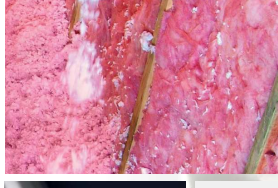
- Buy only ENERGY STAR® rated appliances.
- Install quality storm windows on single-pane windows.

## Higher cost: Payback typically less than 20 years

- Replace old cooling system with ENERGY STAR® rated air conditioner or heat pump.
- Replace old heating system with ENERGY STAR® rated furnace or heat pump.
- Replace windows-payback will vary depending on the air infiltration and insulation condition of the existing windows.

# Energy Savers

## Shopping List



Check out the EnergyWise<sup>SM</sup> incentives available from your Public Power utility.



Nebraska Public Power District

*Always there when you need us*

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# ENERGYWISE<sup>SM</sup>

Use less. Spend less. Do more.



## Electricity

- Compact Fluorescent Lightbulbs (CFL's), ENERGY STAR® rated
- Refrigerator thermometer
- Appliance and lamp timers
- Surge protector power strips
- Energy-saving power strips

## Duct Sealing

- UL 181 mastic (paste) sealer
- Aluminum tape

## Air Sealing/Weatherization

- Caulk gun
- Caulk, 50-year (100% silicone is best)
- Spray foam (use correct foam expansion specific to use)
- Rope caulk
- Outlet/light switch foam gasket covers
- Child safety outlet caps
- Plastic storm window kits/weatherstripping
- Fireplace draft-stopper

## Water Heating Efficiency

- Bathroom faucet aerator (0.5 gpm)
- Shower head (1.75 gpm or lower)
- Kitchen sink dual-spray flow control aerator (2.2 gpm or less)
- Water pipe insulation (with sticky tabs)
- Water heater blanket
- UL-rated aluminum tape (for water heater blanket)

Contact your local utility or visit their website for more information on Energywise incentives (\$\$), or complete a free online energy audit.

## No cost: Immediate energy savings

- Turn off lights & ceiling fans in unoccupied rooms.
- Set water heater at 120°F, unless dishwasher requires 140°F.
- Wash only full loads of dishes and laundry.
- Unplug unused electronics and chargers.
- Clean refrigerator condenser coils once a year.
- Use energy-saving setting on all appliances.
- Defrost freezer once a year.

## Low cost: Payback typically less than 1 year

- Replace furnace filters every 2-3 months.
- Make sure heating and cooling system is clean and well maintained.
- Replace weatherstripping around doors and windows.
- Caulk around all exterior wall penetrations.
- Use compact fluorescent lightbulbs.
- Repair leaky faucets and toilets.
- Seal large leaks in heating ducts.
- Install plastic storm window kits on inefficient windows.
- Install low-flow faucet aerators & shower heads.

## Medium cost: Payback typically less than 4 years

- Install an Energy Recovery Ventilation (ERV) system for fresh filtered air.
- With tighter homes, be aware of indoor air pressure to:
  1. Avoid pulling radon and water vapor into home.
  2. Avoid dangerous backdrafting of chimneys.
- Install and use a programmable thermostat.
- Insulate below-grade basement walls to R-10 or more.
- Insulate exposed basement walls to R-18 or more.
- Insulate basement rim-joists to R-18 or more.
- Insulate exterior walls to at least R-13.
- Insulate attic to at least R-49.
- Insulate exposed floors to at least R-30.
- Insulate vaulted ceiling to at least R-25.