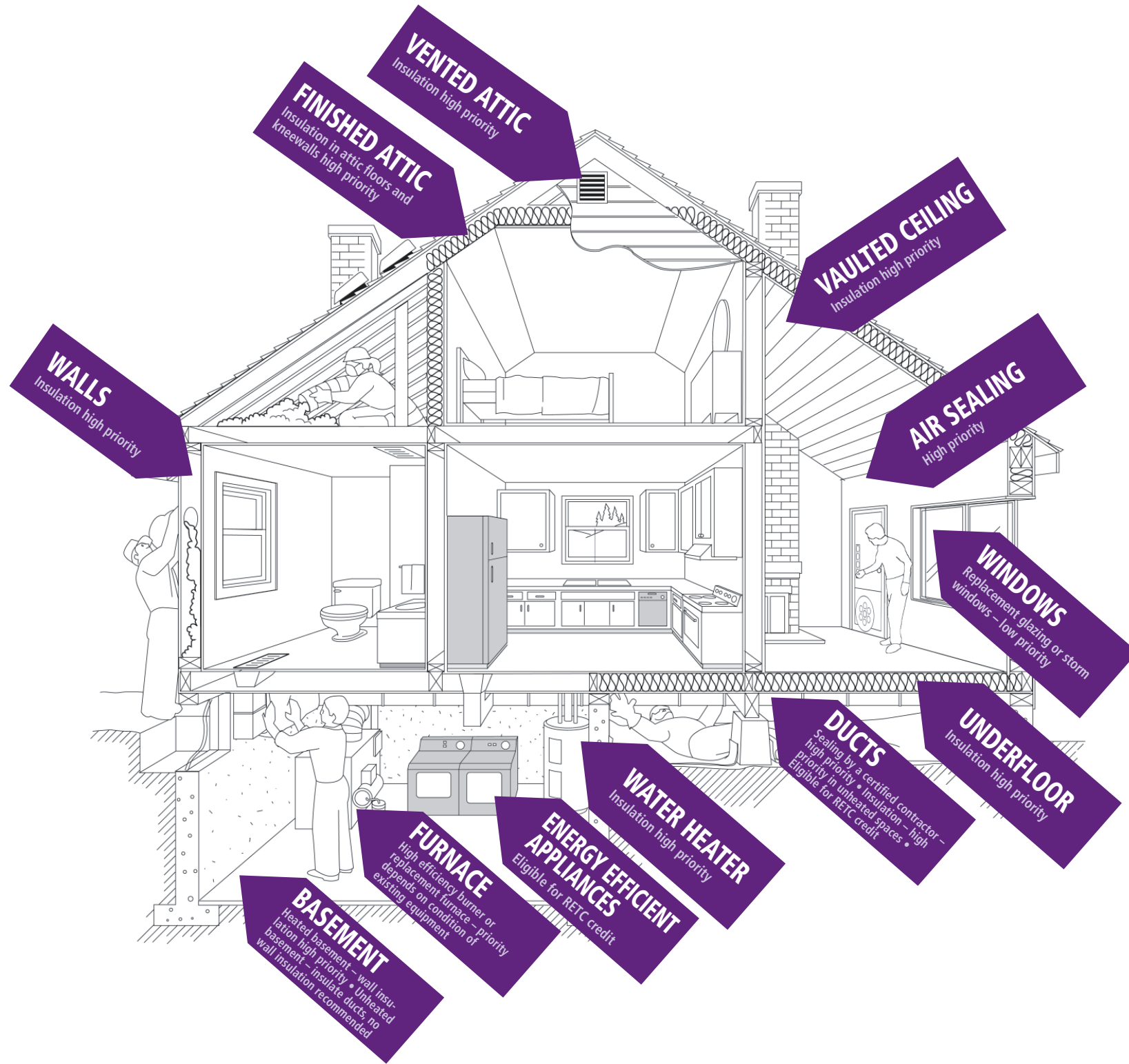


Where You Can Save in Your House

To save the most money, focus first on the measures with the greatest energy savings.



No-Cost and Low-Cost Actions

1. Replace incandescent lighting with compact fluorescent lighting. It uses 75 percent less electricity, lasts longer, and will save you about \$30 a year in electricity costs.
2. Repair leaky faucets. Even a slow drip can waste up to 450 gallons of water a month and, if it is hot water, you will save on your water heating bills too.
3. Install high performance showerheads and faucet aerators and save up to 11 percent of your water use and save on water heating bills.
4. Turn water heater temperatures down to between 120°F and 130°F unless you have a dishwasher requiring a higher setting. Check your dishwasher manual first.
5. Wrap water heaters and water pipes in unheated areas and save as much as 9 percent on your water heating costs.
6. Unplug that second refrigerator and save as much as 2400 kilowatt-hours a year.
7. Lower your thermostat by just 1° F and save up to 7 percent of your home heating costs.
8. Tune-up your furnace annually to improve efficiency and lower heating bills.

Improve Energy Efficiency

Air Sealing

Air sealing qualifies for SHOW rebates and should be done before insulating. Using a blower door to find the leaks is the most effective way to do air sealing. You will save money sealing your heating ducts, but sealing leaks throughout your home makes sense too. Leaks in ductwork, plenums and furnace cabinets in unheated spaces account for as much as 25 percent of home heat loss. Have a certified contractor seal those leaks and you may qualify for both a SHOW rebate and a state tax credit. Call the Oregon Department of Energy at 1-800-221-8035 or visit www.energy.state.or.us for more information about tax credits or a list of certified contractors.

Insulation

Seal air leaks before insulating. Protect insulation from chimneys and heat-producing fixtures, including recessed lights. Make sure there are enough vents.

- **Attic** – Insulate to R-38 in attic floors and to R-21 in knee walls.
- **Walls** – Fill cavity with blown-in insulation to achieve at least R-13. In unheated areas, like attic knee walls, insulate to at least R-21.
- **Crawl space** – Insulate under floors to at least R-25. Seal and insulate ducts to achieve at least R-8 and insulate water pipes to R-3. Install a continuous 6-mil black polyethylene ground cover.

Insulated Doors

Replace uninsulated exterior doors with insulated doors that have a U-value rating of 0.20 or better.

Windows

Better windows can save a lot of energy. But the energy savings can take a long time to pay back their high cost. Replacement windows should have a label showing a U-value of 0.35 or better. A lower U-value means lower heat loss.

Heating System

Replace older, inefficient fuel oil heating systems with a new, more efficient heating system achieving at least 80 percent steady state efficiency when replacing the burner and 81 percent efficiency when replacing the furnace. Seal your ductwork to save the most money. (See *Air Sealing* above)

Appliances

Replace older, inefficient appliances with new energy efficient appliances. You can save on electricity, water heating, and water. Your new appliance may qualify for local utility rebates or state tax credits. Call your local utility or if Portland General Electric, Pacific Power, or Northwest Natural serves you, call the Energy Trust of Oregon at 1-866-368-7878 for more information about any incentives available. Call the Oregon Department of Energy at 1-800-221-8035 or visit www.energy.state.or.us for more information about tax credits, including which appliances qualify for tax credits.

Solar

If your home has good southern exposure and you are interested in solar water heating or space heating, call the Oregon Department of Energy at 1-800-221-8035 or visit www.energy.state.or.us for more information about tax credits for solar water heating and space heating. Your local electric or natural gas utility may also have incentives for solar water heating. Call your local utility or if Portland General Electric, Pacific Power, or Northwest Natural serves you, call the Energy Trust of Oregon at 1-866-368-7878 for more information about any incentives available.