



Operation COZY: **Save Energy at Home**

A Special Edition Strategic Energy Management Presentation



Strategic Energy Management at Home

- SEM helps organizations continuously improve energy performance and achieve persistent energy and cost savings over the long term.
- Today we're going to talk about how this holistic approach and spirit of continuous improvement can be applied in your home.

Goals



Identify major energy uses in a home



Learn about Energy Trust of Oregon resources



Take Action to manage energy at home

Evaluate: Who Impacts Energy and How?



Your
Roommates,
Guests



ADUs, Tenants



Yourself



Family

Consider energy use factors in both your home and any rental properties you own or manage.

So Why Aren't You Saving
More Energy at Home?

We don't have
time...

Wrong
weather for
construction...

I don't have
access to
controls...

Why even try?
My house is so
drafty!

COVID...

I rent, so I don't
want to pay for
improvements

We will likely move
soon. Why invest?

Cost

It's
overwhelming...
Where do I start?


We hear you.
So where do you start?

Perform a Home Energy Audit

It's easy, we promise!

- Oregon Department of Energy's [online checklist for home energy usage](#)
- Energy.gov's detailed guidelines for [do-it-yourself home energy audits](#)

Home Energy Audit




Is Your Home Energy Efficient?

One of the best ways to check if your home is using energy wisely is to complete an **energy audit**. Answer the questions below and tally up your points!

1. Refrigerator

Close your fridge door over a piece of paper so it's half in and half out of the fridge. Try and pull the paper out. Is it:

- ☐ Easy to pull out (1 pt)
- ☐ Hard to pull out (2 pts)
- ☐ Doesn't pull out (4 pts)




2. Furnace Filters

Ask your parent how often your home's furnace & indoor air filters were cleaned or changed in the last year. How many times?

4. Thermostat

Your home's thermostat is set to:

- ☐ 72 degrees or higher (0 pts)
- ☐ 69-71 degrees (2 pts)
- ☐ 68 degrees or lower (4 pts)



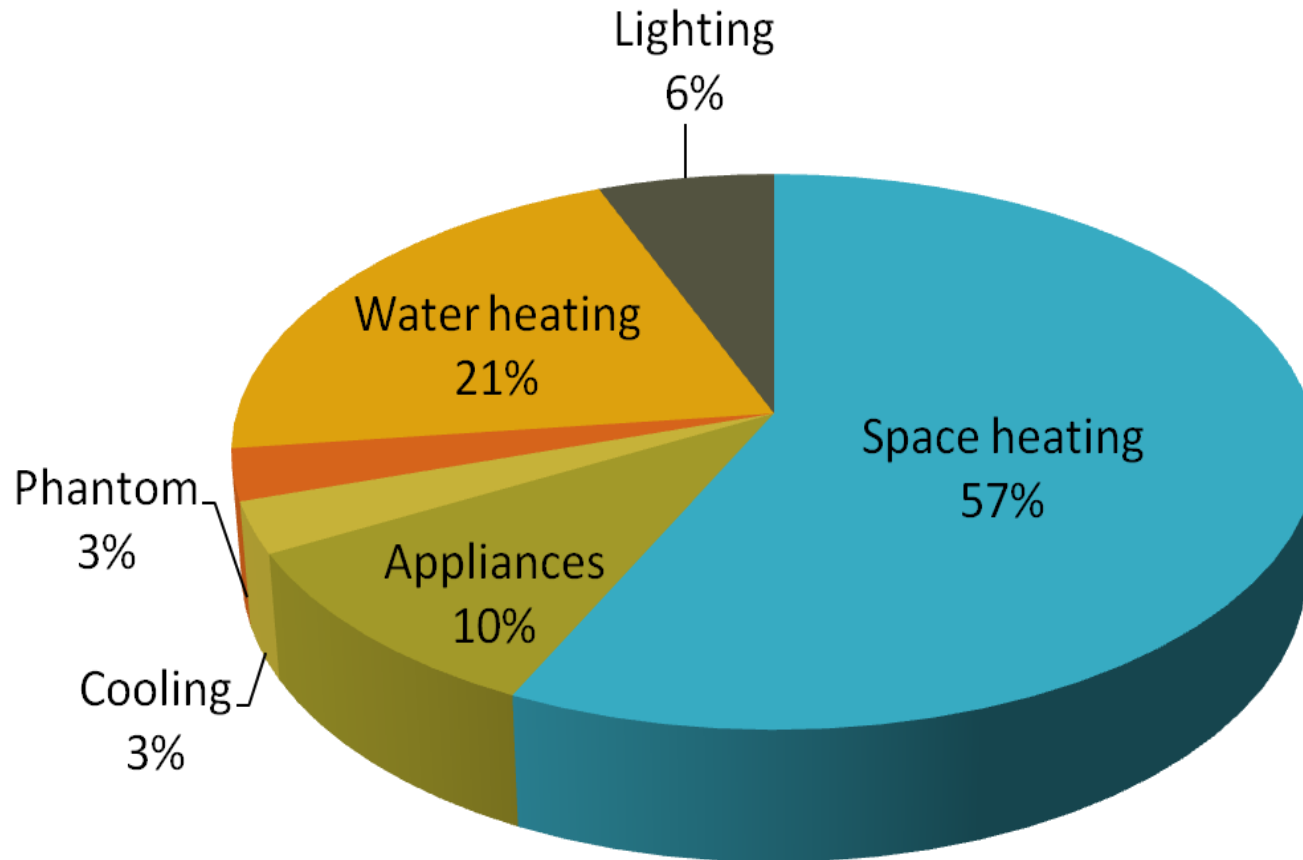
5. Electricity Load

Take a look at your home's appliances, and *check all that apply*:

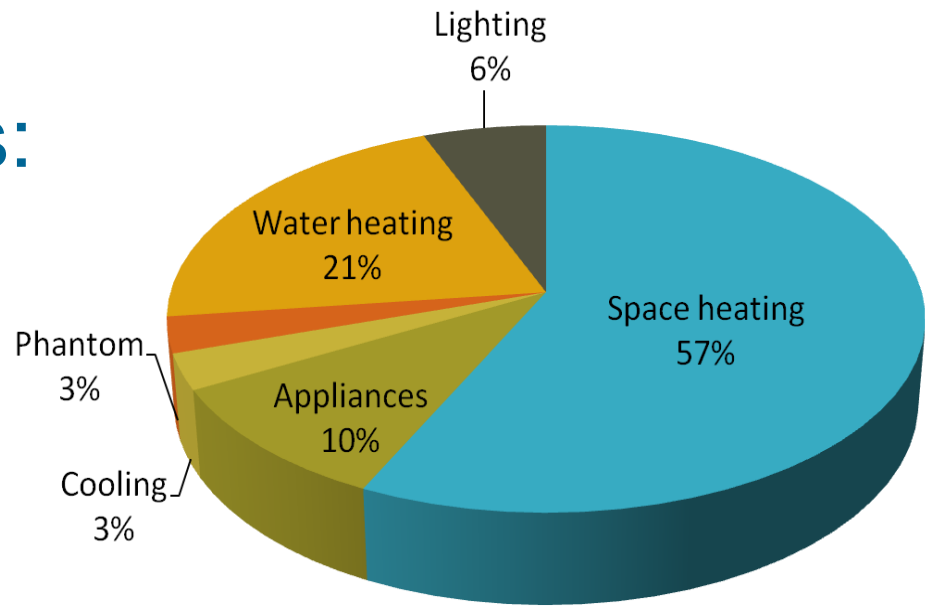
- ☐ Computers are turned off (1 pt)
- ☐ We have at least one ENERGY STAR appliance. (2 pts)

Average Energy Use in Oregon Homes

If you are like other Oregonians, there are lots of opportunities for improvement.



The Biggest Culprits:



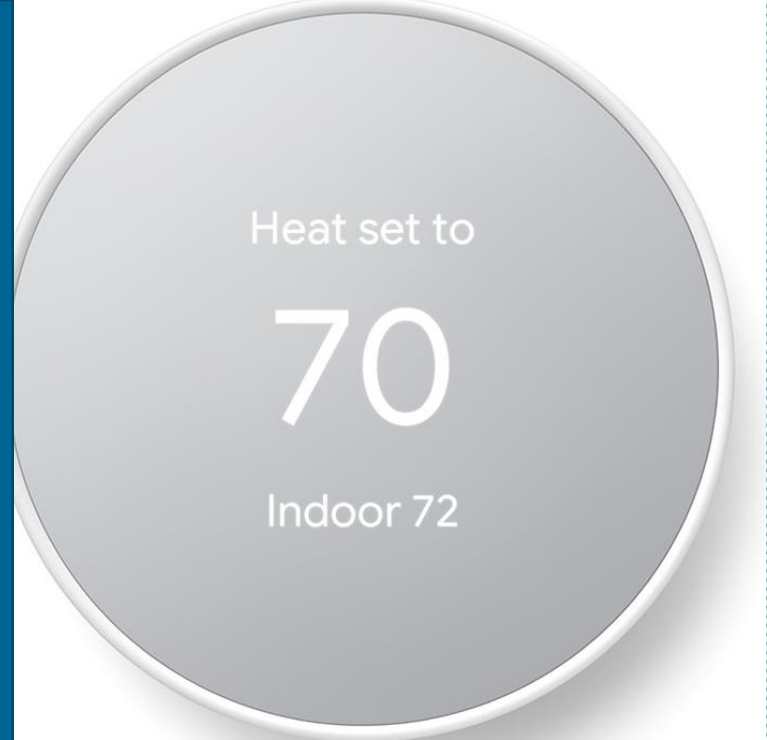
1. Heating the interior space
2. Water heating.
3. Appliances and lighting.

Now that you know how you stack up...

Here's how to cut down on your energy
use and save \$.

- **Turn down** thermostat to 65-68 degrees during the day and 58-60 degrees at night
- **Install** a smart thermostat
[Energy Trust has a \\$100 coupon!](#)
- **Clean** or replace filters regularly
- **Use** ceiling fans to push hot air down in the winter
- **Cover** bare floors with rugs
- **Heat** your home with help from the sun by leaving window shades and blinds open during the day and closing at night.

HEATING



- **Set** your thermostat to 72-75 degrees in summer
- **Close** windows and window coverings during the day on hot days
- **Choose** an ENERGY STAR ceiling fan
- **Combine** fans to circulate the cold air of air conditioning
- **Use** window fans to pull cool air in and draw warm air out

COOLING



- **Upgrade & Install** ENERGY STAR® LEDs in your most frequently used lights like in kitchens and bathrooms
- **Buy** discounted bulbs from [participating retailers](#)
- **Use** motion sensors for your indoor and outdoor lights
- **Turn** off lights when not needed
- [Find the Right LED](#)

LIGHTING



Seal the Envelope

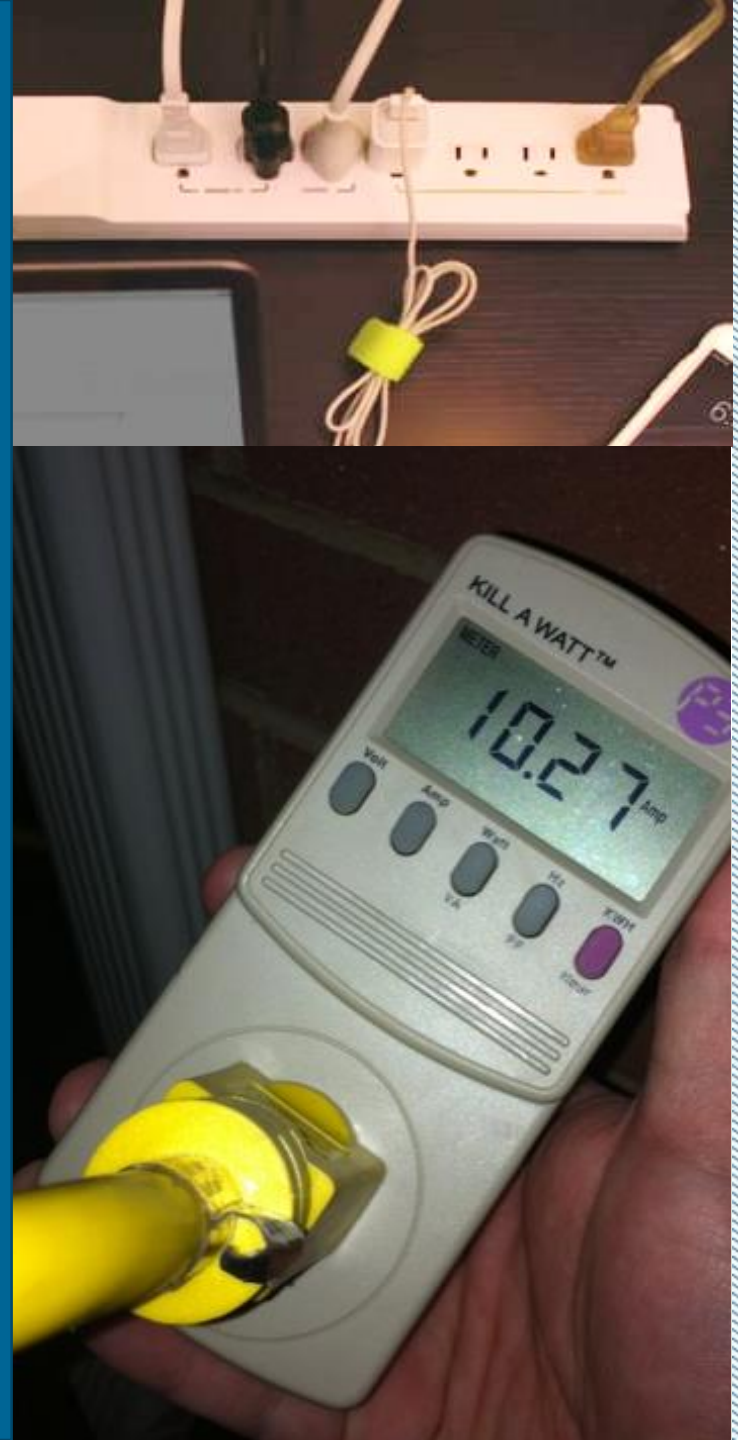
- **Add** weather stripping drafty windows and doors
- **Install** gaskets around exterior wall switches and outlets
- **Caulk** small holes and cracks
- **Close** exterior storm windows or install interior storm windows if you don't have them.
- **Upgrade** your windows with [Energy Trust incentives](#).

ENERGY LOSS



- **Unplug** battery chargers
- **Group** electronics on easily accessible power strips so you can turn all off with one switch
- **Disable** your screen saver and shut down desktop computers at night
- **Use** a Kill a Watt[®] energy monitor or smart plug to see where you can cut energy use

ELECTRONICS



- **Wash** dishes in dishwasher on energy saver mode instead of hand washing, and let them air dry
- **Check** to make sure fridge and freezer seals are tight and temperatures are [within recommendations](#)
- **Wash** clothes on cold setting
- **Dry** two or more loads of laundry in a row to take advantage of heat in the machine
- **Check** for [Energy Trust discounts](#) on new models

APPLIANCES



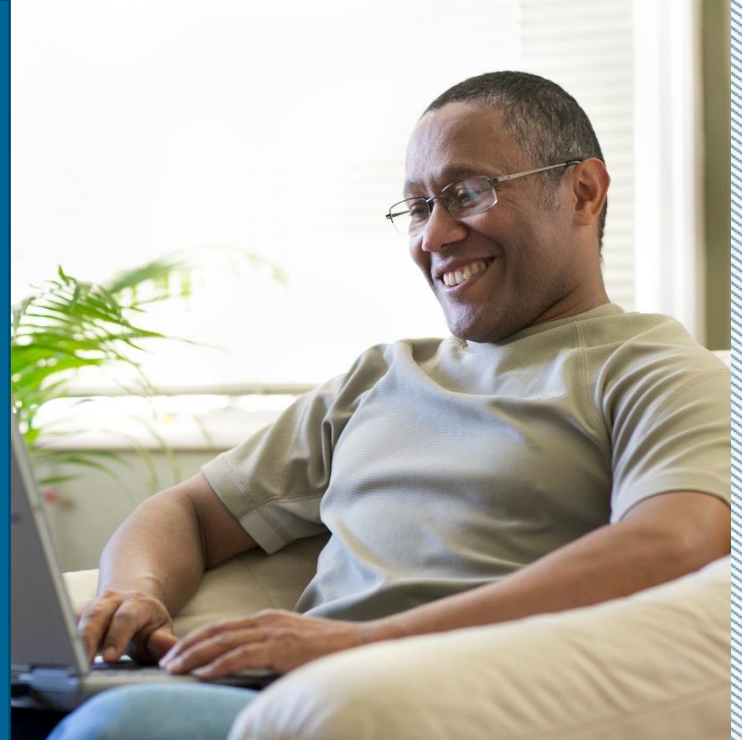
- **Reduce** the temperature on hot water heater to the lowest that keeps your water hot enough
- **Install** water-saving showerheads and faucet aerators
- **Shorten** showers to cut hot water costs. Use an in-shower timer!
- **Wash** and rinse laundry with cold water and only run full loads whenever possible
- **Replace** your old water heater with a more efficient model

WATER



- **Keep** thermostat around 68 degrees in the winter and 75 degrees in the summer
- **Try** a blanket or extra sweater if you are chilly
- **Take** advantage of natural lighting
- **Use** a power strip and turn off your workstation at the end of the day

WORK FROM HOME



- **Put up** “turn it off” stickers near light switches
- **Use** the Energy Trust at Home [Kids Corner](#)
- **Make** energy savings a game or a friendly competition
- **Measure** your impact with the [EPA GHG Calculator](#)
- **Share** this information with your tenants and/or roommates

SPREAD THE WORD



Next Steps

1 Identify your largest energy uses

2 Look for waste/opportunities!

3 Enlist your home “Energy Team”

4 Check out EnergyTrust.org



Residential Resources

- **Heating**

- [Low-cost and no-cost tips to save energy](#)
- <https://www.energytrust.org/save/>
- [Heating and Cooling Resources and Incentives](#)
- [Smart Thermostat Incentive](#)
- [Insulation Incentives](#)



Residential Resources

- **Cooling**

- [Low-cost and no-cost tips to save energy](#)
- Download the full checklist with these [tips to beat the heat \(PDF\)](#)
- [Smart Thermostat Incentive](#)
- [Learn more about Energy Star ceiling fans](#)
- <https://www.energytrust.org/incentives/central-air-conditioners/>



Residential Resources

- **Lighting**

- Residential Lighting
- Find the right LED

- **Water**

- Energy Efficient Showerheads
- Residential Water Heating and Treatment Incentives



Residential Resources

- **Appliances**

- [Energy Saving Water Heaters](#)
- [Incentives for Residential Appliances](#)

- **Windows**

- [Energy Efficient Window Incentives](#)



Residential Resources

- **Work from Home**

- [How to save energy when working from home](#)
- [5 tips to lower energy will when working from home](#)

- **Engaging Others**

- [EPA Greenhouse Equivalencies Calculator](#)
- [Kids Corner](#)

Want to learn more about Commercial Strategic Energy Management?

Call 1.866.605.1676 or email
energymanagement@energytrust.org

energytrust.org/commercial/strategic-energy-management/