

5 things you can do to save energy **today**

- Power-down at the end of the day... turn off lights and unplug!
- Get cozy blankets for the couch instead of turning up the thermostat.
- Use shades and curtains to retain home heat in the winter and keep it out in the summer.
- Feel for drafts around windows and doors and seal them easily with inexpensive materials from your hardware store.
- Use a simple rain gauge to avoid over-watering lawns.

Get a **FREE** home energy and/or water assessment today and learn about dozens of ways to cut emissions, energy, water and costs!!

If you do just one thing right now...

Call today to get a **free home energy and/or water assessment**. Buildings are the largest source of GHG emissions in Concord and these in-depth no-cost assessments can show you how to cut GHGs and water usage, while saving you money on home utility bills. Plus, you may be eligible for free or discounted energy and water efficiency improvements including light bulbs, insulation, heating/AC equipment, low-flow shower heads and garden nozzles.

FOR AN ENERGY ASSESSMENT

Call 1-866-527-SAVE (7283)
if you heat with natural gas
(or visit MassSave.com)

Call 1-888-772-4242
if you use electric, oil or propane heat
(or visit ee.ene.org)

FOR A WATER ASSESSMENT

Call 1-978-318-3250
(or email watersmart@concordma.gov)

For more information, visit:
concordma.gov/yoursustainablehome



Concord Public Works
Comprehensive Sustainability & Energy Committee



Your Sustainable ~~Future~~ Home **Now!**



Find out about the many ways you can cut carbon emissions, waste and costs in your home today.

Here's Your Guide to Making Your Home Energy-Smart

You want an efficient, air-tight home with comfortable climate-control and lower bills, and Concord is ready to help. CMLP – which is committed to converting to emissions-free electricity – has multiple programs and incentives to help with home improvement costs. Converting to electric energy will help us, as a community, meet Concord's goal of reducing our impact on the climate. By cutting greenhouse gas (GHG) emissions and making our homes more efficient now, we can ensure a healthy and safe future for ourselves and our children.

Concord's Goals

Reduce carbon emissions:
25% by ~~2020~~ **Now!**
80% by 2050*

* Town Meeting Article 51, as voted by residents in 2017



IT'S TIME FOR ENERGY-SAVING COMFORT

Today's high-efficiency heat pumps provide cooling as well as heat. Both air-source and ground-source (geothermal) models function at very low temperatures, and save tons of GHGs every year.

Add a Heat Recovery Ventilation (HRV) system to further improve home comfort and air quality, while reducing humidity, allergens, mold and utility bills, too!



IT'S TIME FOR WEATHERIZATION

Air-sealing is one of the most effective improvements you can make to your home. A leaky home with poor insulation and old windows causes unnecessary expense in heating and cooling. Payback can be rapid, and rebates can help offset weatherizing costs.



IT'S TIME TO REDUCE WATER WASTE

From rain gauges and faucet aerators, to low-flow showerheads and toilets, there are many easy ways to reduce water consumption and water bills both inside and outside your home. Find out about rebates and receive a no-cost water assessment, including free water-saving devices, from Concord Public Works.



IT'S TIME FOR EFFICIENT APPLIANCES, PLUMBING & LIGHTING

Energy Star appliances are a win-win with reduced running costs and lower GHG emissions. The latest highly-responsive electric induction cooktops allow you to ditch fossil fuels without sacrificing speed and power. Plus, updating to a heat pump water heater and switching to long-lasting LED lighting can cut monthly bills significantly while saving energy.

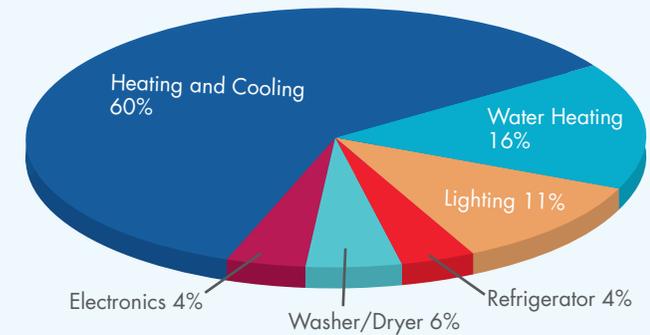


IT'S TIME FOR NATURAL LANDSCAPING

There are many easy ways to reduce the need for water, fertilizers and pesticides in your yard, which will protect your family and pets, and help preserve the natural environment and wildlife. Native plants, lawn alternatives, rain barrels and electric mowers make maintenance easier while reducing expenses, water use and GHGs.

Breakdown of average MA household emissions

Sources: EIA.gov; UCSusa.org



IT'S TIME TO REDUCE & RE-USE

With only 5% of America's plastic waste actually being recycled, it's essential that we all reduce our waste. Re-use disposable containers. Take items no longer needed to Concord's Swap-Off/Drop-Off.

Dig into composting! Lawn clippings, and yard and kitchen waste make wonderful nutrient-rich fertilizer. Take advantage of Concord's free composting site, or contract with a curbside composting service.



IT'S TIME FOR ELECTRIC VEHICLES

With great acceleration and a smooth, quiet ride, EVs are the future of driving and can cut GHG emissions by as much as 50%! Plus, they're inexpensive to run and need minimal maintenance. Today there are great state, CMLP and dealer incentives for owners of EVs, including plug-in hybrids. With charging infrastructure and choice of models improving rapidly, now's the time to switch to driving electric.



IT'S TIME TO GO SOLAR

Solar photovoltaic (PV) panel costs have dropped so dramatically in recent years that installing solar can now make utility bills practically disappear. Got an EV? Install enough solar and drive for free, too! Solar PV systems last many years and increase property values. Pair solar with a battery to store several hours of power for emergencies.

For more information on all these energy and water-saving opportunities, go to concordma.gov/yoursustainablehome

It's Time to Bring Energy Savings Home



Heating, Cooling & Ventilation

- Heat and cool with advanced electric heat pumps (air-source or geothermal)
- Improve air quality and reduce moisture with a Heat Recovery Ventilation system (HRV)
- Save money with federal, state and CMLP rebates



Solar

- Request proposals from several solar installers to find out if your home is a good candidate for solar
- Install solar panels and dramatically reduce your energy expenditure
- Take advantage of state and CMLP rebates to lower installation costs
- Pair solar with a home battery to store several hours of solar power for emergencies



Appliances, Plumbing & Lighting

- Save energy, water and money with high-efficiency Energy Star appliances and low-flow toilets
- Enjoy power and speed equal to gas with clean electric induction cooktops
- Spend less on hot water with efficient heat pump water heaters
- Enjoy lower energy consumption with longer-lasting LED lighting



Water

- Request a free water assessment to learn easy ways to conserve water inside and outside your home
- Install low-flow shower heads and toilets to reduce water and energy usage without sacrificing performance
- Check for leaky faucets, toilets, and valves routinely to cut down on water waste and costs



Lawn & Gardens

- Make improvements that will create a beautiful natural landscape that is healthy for your family and pets
- Choose native plants to nurture and protect native wildlife, birds and insects
- Reduce time and money spent on yard maintenance and watering by installing drought-resistant lawn alternatives
- Say no to fertilizers, pesticides and gas-powered machines



Weatherization

- Lower utility bills by improving home insulation
- Keep your home more comfortable by making it draft-free and air-tight
- Install smart programmable thermostats to help manage heating and cooling
- Get a free home energy assessment and find out about money-saving opportunities



Reduce & Re-Use

- Learn how to reduce waste and recycle more with Concord Public Works
- Take advantage of Concord's Drop-Off/Swap-Off & FreeCycle programs to keep unwanted goods out of landfills
- Keep food out of the waste stream by composting



Driving

- Enjoy powerful acceleration and a smooth quiet ride with EVs
- Reduce your GHG emissions up to 50% or more!
- Take advantage of rapidly growing EV charging infrastructure nationwide
- Save money with multiple rebates and dealer incentives when you purchase an EV and charging system

Brought to you by



Concord Public Works

Comprehensive Sustainability & Energy Committee