

Take Charge of Your Energy in 2024

How Much Will You Spend This Year?

Average NH electric *	\$253 / month, \$3036 / year
Average NH heat *	\$220 / month, \$2640 / year
Average NH vehicle *	Highly variable

- Varies widely (especially heat and transportation) - figure out your own cost
- Vehicle gas/diesel/electric—monitor your consumption, plan ahead

(See Other side for more information)

Cut your energy bill:

Weatherize (energy audit) - See IRA, www.nhsaves.com

NH Saves (lights, appliances) - See IRA, www.nhsaves.com

Solar (electric, hot water) - See IRA, www.harei.org

Heating/cooling (mini-split, heat pump) - See IRA

Heat pump hot water heater

Fuel (gas, diesel, WAH)

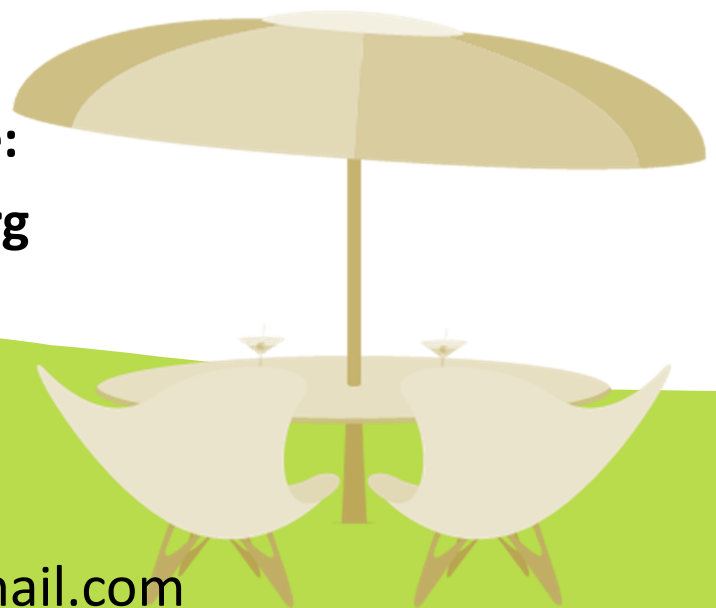
Learn about these things here:

www.masonnhenergy.org

Mason Energy Commission

Email: mec@masonnh.us

masonnhenergy@gmail.com



===== Electric Bill =====

Situation:

- NH electricity is 50+% nuclear, 25% natural gas, 7% hydro, 6% biomass, 3% wind, 1.6% coal, 1% solar
- Natural gas prices are volatile (Ukraine war, gas exports, limited gas infrastructure in NH)
- Slow adoption of Solar / Wind / Battery infrastructure
- Short term pain (for a few years)

Solutions:

- Analyze your home (energy audit)
 - See www.nhsaves.com, you may get a free energy audit
- Know what you are doing with your electricity (measure it, by energy audit or DIY)
 - DIYers can use a power meter such as the P3 International P4460 Kill A Watt Ez Energy Monitor (\$35) on amazon.com, or a more sophisticated Smart Home Energy Monitor from Emporia (\$164) also on amazon.com. **Note: Mason Library has 2 Kill A Watt available to borrow.**
- Install solar (see www.harei.org for a lot of information and help)
 - Cost varies widely according to size and design and implementation
 - For DIY and cost estimates to evaluate any design and implementation, see www.harei.org.
 - www.ecowatch.com describes the 30% tax credit for solar installations
- Common sense efficiency improvements (LED lighting, clean your refrigerator coils, reduce vampire power usage)
 - See <https://justenergy.com/blog/energy-vampires-which-electronics-are-the-worst/>
- If appliances need replacing, go with Energy Star rated appliances..

Utility cost improvements:

- Community power may reduce cost of electricity
- Solar / Wind / Battery will displace coal and natural gas

===== Electric Vehicles =====

- The world is going electric
- New cars globally, 5% in 2020, 9% in 2021, 14% in 2022
- US projection is 53% by 2030 (up from current 9%)
- Huge advances in battery technology
- Slowly improving charging infrastructure

===== Do your research =====

- **www.masonnhenergy.org** - has links to many articles relating to energy, energy efficiency, electric vehicles, and much more