



State & Federal Incentives for Home Electrification

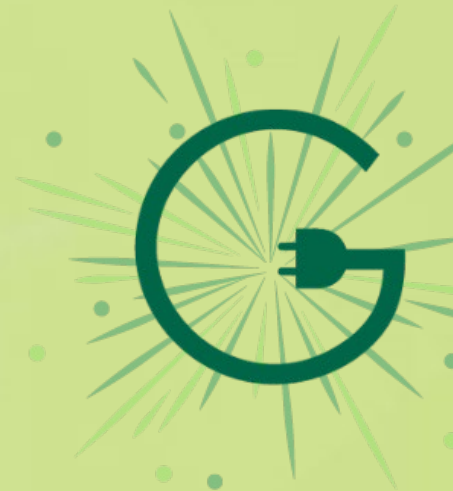
March 22, 2023

Green Energy Consumers Alliance

Harnessing our power as energy consumers to speed the transition to a zero-carbon future.



- **Non-profit founded in 1982**
- **Massachusetts & Rhode Island**
- **Programs & Advocacy**



Clean Heating Incentives



Massachusetts: Mass Save Rebates

Whole Home

- \$10,000 per home/apartment
 - Multifam bldgs: only up to 4 units
 - 5 units + must go through building manager for different rebate program
- Must be sized to meet 100% of your heating needs
- You are not required to remove your legacy fossil fuel heating system

Partial Home

- \$1,250 per ton of heating capacity
 - 1 ton = 12,000 BTUs
 - Roughly 500 SF
- "Integrated control" smart thermostat may be required
 - Toggles automatically between heat pump and fossil fuel HVAC depending on temperature



Massachusetts: Municipal power and light companies

Check with your town for details! This information on this slide is for Wellesley (more information [here](#)).

- Maximum Incentive:
 - Oil & propane customers: \$1,600/ton* up to \$10,000
 - Electric resistance and other non-gas customers: \$1,000/ton up to \$5,000
- Gas-heating customers do not qualify for WMLP rebates - gas-heating customers apply through MassSave.
- 2 electrification rebates per household per year (both can be used for heat pump rebates, if desired)



Federal: Energy Efficiency Tax Credits

Claim 30% of energy efficiency costs, up to certain limits

- \$2,000 for heat pumps, HP water heaters
- \$600 for electrical panel upgrades
- total of \$2,600 per year

\$600

Windows, Skylights; Central A/C; Electric Panels; High Efficiency Fossil Fuel Water Heaters, Furnaces and Boilers

\$2,000

Electric or Natural Gas Heat Pump Water Heaters, Electric or Natural Gas Heat Pumps, and Biomass Stoves and Boilers

For more information, see [Rewiring America calculator](#).



Federal: Residential Clean Energy Tax Credit

- Solar PV and water heating
- Home battery storage – with or without solar
- Geothermal (ground-source) heat pumps
- Extends for 10 years a tax credit that was set to expire
- 30% from 2022 till 2032; 26% in 2033, and 24% in 2034
- Having a solar array at your home, or community solar, are good ways to reduce operating costs of electric heating



Federal: Inflation Reduction Act (IRA) Rebates

HOMES

- Open to all incomes
- Based on total energy savings predicted
- Savings must be modeled or measured by a professional
- Up to \$4,000 for most households
 - Doubled for low-income occupied properties

HEEHRA

- Moderate- and low-income
 - Moderate = \$200K in metro Boston
- Up to \$14,000
- How to apply has not yet been announced

For more information, see [Rewiring America calculator](#).



A Helpful National Resource

REWIRING
AMERICA

English Español

YOUR SAVINGS CALCULATOR

How much money can you get with the Inflation Reduction Act?

Enter your household information to find out.

[Reset calculator](#)

Zip Code ?

02138

Homeowners Status ?

Renter

Household Income ?

\$70,000

Tax Filing ?

Single

Household Size ?

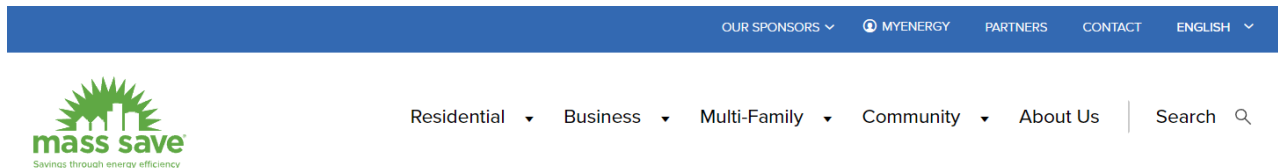
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Calculate! ⌵

[How much money can you get with the Inflation Reduction Act? — Rewiring America](#)



A Helpful Mass Save Resource



[Mass Save | Inflation Reduction Act FAQs](#)

Inflation Reduction Act FAQs

Q: What is the Inflation Reduction Act?

A: The Inflation Reduction Act of 2022 (IRA or Act) is a recently passed U.S. law designed to advance clean energy and reduce greenhouse gas emissions through support for investment in domestic energy production, energy efficiency and beneficial electrification. The legislation provides over \$10 billion in rebates and tax credits to help households install important home upgrades, increase energy efficiency, and use renewable energy.

Q: When will the IRA go into effect?

A: The Act was signed into law on August 16, 2022. The Act includes multiple programs designed to assist owners, renters,



Green Energy Consumers' Heat Pump Program

- Helping energy consumers find trusted vendors and sound advice
- On-line portal to find **trusted heat pump installers** (free)
- Independent **quote comparison** (\$75 – a 50% discount)
- Expert virtual **consultations** about your home (\$150)
- More details [on our website!](#)



Electric Vehicle Incentives



New Federal Clean Vehicle Credit



New tax credit goes into effect **in 2023**

- Valid through 2032; no more 200,000-unit cap
- Income requirements
 - <\$300,000 for joint filers
 - <\$150,000 for individual filers
- Fuel cell vehicles now included
- New *vehicle* requirements



New Vehicle Requirements

1. Assembly Location: Final vehicle assembly in North America

 **Already in effect!**

2. Price Cap: based on **MSRP**. \$80,000 for SUVs, pickups, and vans; \$55,000 for sedans & hatchbacks.

 **Already in effect!**

3. Batteries: Mineral and battery component requirements

 **Kicks in maybe in March 2023**

Starting 2023: Used Vehicles Qualify



- Battery requirements do not apply
- \$4,000 or 30% of sale price, whichever is lower
- Must buy vehicle from dealership
- Must be at least 2 years old and cost <\$25,000
- Only applies at first resale
- Lower income threshold
 - Joint filers: <\$150,000
 - Individual filer: <\$75,000



Starting 2024: Point of Sale

- Consumer can choose to transfer the tax credit to the dealership
- Details are still TBD!



Massachusetts: MOR-EV Rebate

For now:


- \$3,500 for battery electric vehicles; \$1,500 for plug-in hybrids with 25+ miles of electric range
- Final sales price must be under \$55,000 for all-electric and \$50,000 for plug-in hybrid
- Purchase or 36-month lease
- Apply online after purchase at mor-ev.org

Coming soon:

- Rebate up to \$3,500 - \$5,000?
- No rebate for PHEVs
- New AND used
- Additional rebates for low-income drivers and trading in gas car
- Authorized point-of-sale



The Drive Green program can help!

 **Drive Green**

Learn more about EVs ▶

Step 1:
Compare The Cars

Current State: MA ▼ ✓ New Pre-owned

Sort by

Cost after incentives, Low to High ▼

☐ In our program

Type

☐ Battery electric

☐ Plug-in hybrid

Electric range

☐ 200 or more miles

☐ 100 or more miles

☐ 50 or more miles

Base MSRP


☐ Less than \$30,000

☐ \$30,001 - \$40,000

☐ More than \$40,000

Cars In Our Program 8 results

AVAILABLE FOR PREORDER



Visit Chevrolet's website [↗](#)

Chevrolet Bolt

Vehicle Type	Range	Drive
Battery electric hatchback	259 mi/charge	FWD
Efficiency	Battery size	Towing Capabilities
120 MPGe ⓘ	60 kWh	Not supported
Level II Charging	Rate ⓘ	Speed ⓘ
	11.5 kW	25-30 mi/hr charging
DC Fast Charging ⓘ	Rate ⓘ	Plug type ⓘ
Optional	50 kW	J1772/CCS Combo

Base MSRP ⓘ

\$25,600

Federal tax credit ⓘ

\$7,500

MA state rebate ⓘ

\$3,500

Cost After Incentives ⓘ

\$14,600

☐ Select car

Select the cars that you're interested in. Next you will select the trims that you want to see deals for.

Next page

[Drive Green | Meet the cars \(greenenergyconsumers.org\)](https://greenenergyconsumers.org)



Support for Installing Charging

- [Federal tax credit](#) of 30%, only if you meet census tract requirements
- Make Ready & EVSE support from National Grid, different levels for different segments, [more info here](#)
- [MassEVIP](#), only for multi-unit dwellings, workplaces, and other non-residential locations
- ... more coming soon?



DONATE

greenenergyconsumers.org/donate

*Photo Credit: New England
for Offshore Wind/Chris
Bennett Photography*



**Donations will be doubled,
dollar for dollar, during March!**

Why donate?

Fossil-fueled energy is squeezing budgets and threatening lives. We are working to speed the transition to a livable, safe, and low-carbon future by enabling consumers to make greener energy choices.

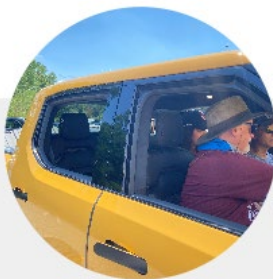
Upcoming Webinars & Read Our Blog!



Is a Used Electric Car Right For You?

Tuesday, March 28 2023,
12:00pm

Learn more & RSVP
now



Electric Vehicles 101 with QARI

Wednesday, March 29
2023, 7:00pm

Learn more & RSVP
now

How On Earth Will The Grid Handle All These Heat Pumps & EVs?

Posted by **Larry Chretien & Anna Vanderspek** on Wednesday, March 08,
2023 @ 12:05 PM

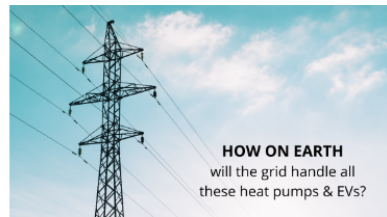
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In the course of our work promoting the electrification of transportation and heating, we are often asked how the grid is going to hold up with the increased demand caused by heat pumps and electric vehicles (EVs). Recently, one of our favorite state legislators said he gets that question frequently too. So, here's our response.



Read More