

TIME TO RETHINK ELECTRIC VEHICLES?

With sticker prices coming down and miles-per-charge going up, Electric Vehicles (EVs) should be on your radar if you're shopping for a new car.

Running the Numbers

See for yourself how affordable and efficient today's EVs are. Let's look at two mid-range, American-made models: the **Chevrolet Volt** and the **Chevrolet Bolt**.

	VOLT	BOLT
TYPE:	Plug-In Hybrid	All-electric
MSRP:	\$25,720 <i>(after \$7,500 federal tax credit)</i>	\$29,995
RANGE (mi):	53 (electric)/420 (hybrid)	238 (electric)
MPG equivalent:	106	118

Operating Costs

Electricity is cheaper than gas, even in New England, where electric rates typically run higher than the national average. At 15 cents per kilowatt-hour for electricity versus a gas price of \$2.30 per gallon, it costs about half as much to drive an EV.

Reduced Maintenance

Where EV owners really save is on reduced or avoided maintenance. All-electric vehicles benefit from not requiring oil changes or other maintenance costs for exhaust systems. Studies have shown that this represents a 35 percent decrease in cost over time. Some calculations peg this to about **3 or 4 cents per mile** of maintenance cost in an EV versus closer to **6 cents** in an internal combustion car.

WHAT IS AN EV?

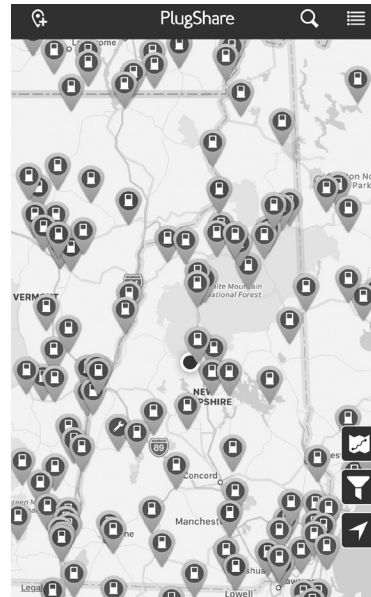
There are two main types of Electric Vehicles

Plug-in Hybrid-Electric Vehicles (PHEVs) are gas-electric hybrids with high-capacity batteries that can be charged by plugging them into an electrical outlet or charging station. They can store enough electricity to significantly reduce their petroleum use under typical driving conditions. Some models get up to 600 miles on a single tank of gas.

All-electric Vehicles (EVs) run on electricity only. They are propelled by one or more electric motors powered by rechargeable battery packs. Newer models now come with ranges of 200-300 miles on a single charge.

Your Co-op Can Help

Stay tuned for an exciting announcement later this year about a new NHEC program that will help put a new EV in your driveway!



With EVs growing in popularity, the EV charging infrastructure is growing as well. This map from the PlugShare app shows all the currently available public charging stations in New Hampshire.

WATTS HAPPENING

Apply Now for a \$1,500 NHEC Foundation Scholarship

The New Hampshire Electric Co-op Foundation will be offering six \$1,500 scholarships in 2017 (one of which will be reserved for a student entering a vocational/technical institution) to support and enhance the education and resulting careers of our members and their children.

Applicants must be at least a senior in high school at the time of applying and must either be a Co-op member or the child of a Co-op member. College and non-traditional students are eligible and welcome to apply. The deadline for applications to be received at the Co-op is April 21, 2017. For complete eligibility requirements and application, please visit the Community tab on our website at www.nhec.com.

View Your Usage

View your monthly, daily or hourly electric usage online at www.nhec.com. Click the 'Secure Login' link on the homepage and get access to all your usage data. Find detailed information that can help you learn more about when you use power and track any efforts you make to reduce your usage.

Board of Directors Meetings

The NHEC Board of Directors regularly meets on the last Tuesday of each month at the Cooperative's office at 287 Highland Street in Plymouth. Please check the Board of Directors page on the Co-op web site at www.nhec.coop, or call Sharon Yeaton at (603)536-8801 to confirm the current month's time and location.

HARNESSING THE SUN AT INTER-LAKES H.S.



The largest solar electric array in Co-op service territory is online and making clean power for Inter-Lakes High School in Meredith. Located on a hillside overlooking the school athletic field, the solar electric array consists of 960 solar panels and will produce 100% of the school's electricity. The solar array is one of a series of renewable energy projects that have transformed the Inter-Lakes School District (ILSD) into one of the most energy-diverse school districts in New Hampshire. For the past 10 years, New Hampshire Electric Co-op has been proud to provide expertise and incentives that have kept ILSD on track with its energy goals.

2016 NHEC FOUNDATION GRANTS AWARDED

Your small change is helping change lives! Take a look for yourself...

American Red Cross	\$10,000	Lakes Region Child Care Services	\$1,500	Pemi Baker Community Health	\$3,339
Artistic Roots Cooperative Gallery	\$625	Laura Foundation for Autism & Epilepsy	\$5,000	Pinkerton Academy Destination Imagination	\$500
Barnstormers Theatre, Inc	\$5,000	Make-A-Wish Foundation of NH	\$5,000	Plymouth Elementary School	\$2,012
Bridge House	\$10,000	Mayhew Program	\$5,000	Plymouth Parks and Recreation Department / PLAY	\$425
Circle Program	\$4,000	Mid-State Health Center	\$5,400	Project Care	\$64,197
Communities for Alcohol and Drug-Free Youth (CADY)	\$5,000	Mountain Top Music Center	\$8,000	Squam Lakes Natural Science Center	\$2,560
Court Appointed Special Advocates (CASA)	\$3,000	New Hampshire Lakes Association	\$3,500	Sullivan County Oral Health Collaborative	\$5,000
David's House	\$3,025	New Hampton Comm. School Destination Imagination	\$500	Tapply-Thompson Community Center	\$2,000
Easter Seals NH	\$2,500	Newport Montessori School	\$5,000	Tillotson Center	\$4,800
First Star Tonight	\$1,101	NH Food Bank	\$25,000	TLC Family Resource Center	\$5,000
Friends of Meredith Parks & Recreation	\$500	NH Music Festival	\$2,500	Town of Campton/Campton Park & Recreation	\$2,580
Got Lunch! Colebrook	\$2,000	NHEC Foundation Scholarship Awards	\$9,000	West Central Behavioral Health	\$2,500
Got Lunch! Rumney	\$2,000	North Country Center for the Arts DBA Jeans Playhouse	\$4,500	White Mountain Community Health Center	\$10,000
Governor Wentworth School's Out Program	\$5,000	Ossipee Children's Fund	\$5,000	White Mountain Musical Arts	\$1,000
Interlake's Community Caregivers	\$2,000	Pemi Valley Habitat for Humanity	\$5,000	YMCA Camp Nellie Huckins	\$5,000
Kismet Rock Foundation	\$3,500	Pemi Youth Center	\$2,000	Total 2016 Grants Awarded	\$262,065

Funding for grants awarded by the NHEC Foundation comes from Co-op members who participate in the NHEC Round Up program and have their electric bill rounded up to the next dollar. Want to join in or learn more? Visit www.nhec.com/round-up-program.

BUILDING A BETTER SYSTEM

Reliability Upgrades Completed in Webster, Tuftonboro

Two construction projects at NHEC substations in Webster and Tuftonboro will result in improved service reliability for members in those areas.

At the substation in Webster, which serves members in Hill, Andover, Salisbury, Wilnot, Danbury, Grafton and Sutton, crews have finished replacing fuses with devices called **reclosers**. A **recloser** is used to detect momentary faults and automatically restore power if the fault clears itself quickly. This is handy when a tree or a branch makes contact with the power line as it falls to the ground. A traditional fuse would detect the contact and open the circuit breaker, causing an outage. A recloser, on the other hand, can detect that the contact is temporary and restore power without causing an outage.

In Tuftonboro, NHEC has taken advantage of a new transmission line built by Eversource to provide a second source of power to the NHEC substation located off Route 109. Having a redundant source of power will mean fewer outages for members served by the substation in Wakefield, Brookfield, Ossipee, Tuftonboro, and Effingham.

Check out our newly redesigned website at:

www.nhec.com

WAYS TO SAVE

At the new www.nhec.com, we've put all our money - and energy-saving ideas in one place to make it easy to find and easy to use.

Click 'Ways to Save' for:

- Complete listing of NHEC energy efficiency program rebates and incentives
- Energy saving tips for home, work and on the road
- Financial assistance programs
- Information about competitive electric suppliers
- Local and national deals using your Co-op Connections card

For member service
please call

1-800-698-2007

Monday-Friday, 8-5:00

or visit us online at www.nhec.coop



To report an outage please call 1-800-343-6432

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