

Feature Story:

Co-op Hybrid Hits the Road...Quietly

The newest addition to the Co-op fleet is pulling double duty – working in the field and promoting the diverse applications of hybrid power.

The 2010 Freightliner bucket truck features a diesel-electric hybrid motor that reduces the overall carbon footprint of the vehicle by an estimated 83%. But the difference most people notice is the noise, or lack thereof.

On a traditional bucket truck, the aerial boom is powered by the truck's diesel engine, which is left idling while work is performed. On a hybrid truck, the engine can remain off for long periods while the aerial unit operates on power supplied by lithium-ion batteries. When the batteries run low, the diesel engine kicks on just long enough to recharge them. The result – fewer emissions and less noise at work sites. The batteries also supply power to the diesel engine at low speeds, improving fuel economy by an estimated 45%. Fuel savings alone over the life of the vehicle are expected to be in excess of \$43,000.



The truck chassis was supplied by Freightliner of NH, which also oversaw the hybrid conversion process. The James A. Kiley Company mounted the aerial boom. The purchase of the vehicle was subsidized by a grant from the Granite State Clean Cities Coalition and New Hampshire Department of Transportation's federal Congestion Mitigation and Air Quality program. The truck will be garaged in the Co-op's Raymond operating district and will be serving members in that area.

Candidates Wanted for Board, Nominating Committee

The Co-op is governed by a Board of Directors, which is elected by the members themselves. Each year, a Nominating Committee recommends candidates to run for the Board of Directors. This year, NHEC is seeking members interested in serving on both panels.

Board of Directors

Three seats on the 11-member Board of Directors will be up for election to three-year terms in 2011. Voting takes place by mail ballot in May 2011 with Board members installed at the June annual meeting. The Co-op seeks broad representation from a diverse group of individuals and encourages all qualified members to consider running for one of the open seats. You must be a Co-op member in order to run for a position on the Board. For more information about how to get your name on next year's ballot, contact Sharon Yeaton at 603-536-8801, or yeatons@nhec.com.

Nominating Committee

Any Co-op member interested in being part of the candidate selection process for the NHEC Board of Directors is encouraged to apply for a position on the Nominating Committee by December 14, 2010. The Nominating Committee reviews the qualifications of potential candidates seeking election to the Board of Directors and nominates a slate of candidates to run for open seats on the Board. Time commitments typically include three to four all-day meetings between mid-January and mid-March, as well as a substantial amount of time reviewing candidate material. To submit your name for consideration, please provide a summary of your background and why you'd make a good member of the Nominating Committee and send it to Sharon Yeaton at yeatons@nhec.com, or by mail c/o NHEC, 579 Tenney Mountain Highway, Plymouth, NH 03264.

New Cable to Link Plymouth, Meredith

A fiber optic cable being installed this month will stretch from Plymouth to Meredith to help meet the communications needs of the Co-op's Advanced Metering Infrastructure (AMI) project.

Along the way, the cable will make direct connections at four NHEC facilities and provide a redundant communications link in the event that communications are lost between microwave receivers on Tenney Mountain in Plymouth and Gilman Hill in Meredith. The new line is part of a larger communications infrastructure project that, when completed, will allow NHEC to carry not only AMI data but all voice, data and Land Mobil Radio (LMR) communications entirely on its own network.

When the AMI project is fully deployed in 2013, nearly every electric meter in the NHEC system will be reporting its own reading via radio frequency and microwave transmissions. That information will be transmitted to local collectors, which will gather the data and move it on to larger collectors, which will eventually communicate to the "master station" based in Plymouth. Getting that information from the four corners of New Hampshire to Plymouth is the job of the communications infrastructure that is being built, in many cases, from scratch. The fiber optic cable will also allow the NHEC Meredith District office to serve as a back-up center of operations in the event that Plymouth is taken offline. The project is funded in part by a grant from the Department of Energy.

Deployment of the fiber optic cable is expected to be completed before the end of November.



Secured to a tow rope, fiber optic cable is winched into place during installation last month on Yeaton Road in Plymouth.

Watts Happening

Board of Directors Meetings

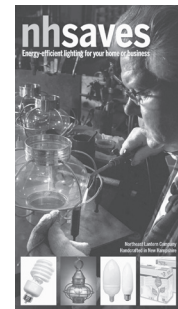
The NHEC Board of Directors regularly meets on the last Tuesday of each month in Plymouth. Please check the Board of Directors page on the Co-op website at www.nhec.coop, or call Sharon Yeaton at (603) 536-8801 to confirm the current month's meeting time and location.

A Clarinet, Stove Pipe and a '94 Corvette Coupe

They were all for sale last month in the online Co-op Classifieds. Buy, sell or swap at www.nhec.coop. Ads are free of charge to Co-op members and there's no limit to how many ads you can post. To get started, register online and follow the links to post your free ads.

2011 Lighting Catalog Now Available

New Hampshire Electric Co-op is pleased to present the 2011 nhsaves catalog. Our new issue features a great selection of ENERGY STAR qualified lighting and other energy-efficient products that save you money, energy and help protect the environment.



Every ENERGY STAR lighting product in the catalog is offered at instantly-rebated prices - \$2 off all compact fluorescent light bulbs and \$10 off all efficient interior and exterior light fixtures.

Co-op members can shop the 2011 ENERGY STAR Lighting catalog online via the NHEC website. Just click the link under the 'Residential' menu. Or, if you prefer, we will send you a copy of the catalog free of charge. To request a catalog, call Co-op Member Solutions at 1-800-698-2007.

Get Whole House Comfort with Convectair

The Co-op is pleased to offer its members a safe, affordable alternative to portable space heaters. Convectair electric heaters are the ideal solution for cold rooms and spot heating in any part of your home or business.

Comfort Convection

Convectair heating units naturally draw in the cool air along the floor and reheat it, using a highly efficient patented heating element. The heated air rises in the unit and is gently diffused through the grilles at the top. This natural acceleration pushes the hot air to the front of the unit rather than towards the wall, and helps the heat to spread evenly throughout the entire room.

Safety First

Convectair heaters mount on your wall so there's no need to worry about a portable heater tipping over. Its slim profile means it's out of the way, not exposed to flammable material in your home.

Buy Direct from Your Co-op...nhec.coop or Call 1-800-698-2007



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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