

## NHEC BREAKS GROUND ON STATE'S LARGEST SOLAR ARRAY



Work is underway at the future site of NHEC's 2 MW solar PV array in Moultonborough. This photo shows work in progress on June 1, 2017.

NHEC has begun construction of what will be the largest solar electric array in the state, a two megawatt (MW) system that will provide members a clean source of electricity located on NHEC's own distribution system.

The ground-mounted solar photovoltaic (PV) system, comprised of approximately 8,000 panels, will take shape over the next several months on land owned by NHEC adjacent to its substation on Moultonborough Neck Road in Moultonborough. It is expected to be online by the end of 2017 and producing approximately 3.5 million kilowatt-hours (kWh) of electricity per year for the next 25 years or more, enough power for approximately 600 homes.

The Moultonborough solar array will displace electricity NHEC would otherwise have to purchase and pay to have imported from outside our system. It will also generate Renewable Energy Certificates (RECs) that NHEC can either use to meet its

requirements under the state's Renewable Portfolio Standard or can sell to other electricity providers.

At current costs, the Moultonborough project's output is expected to save NHEC more than \$280,000 per year in costs it would otherwise incur for purchase and delivery of the same amount of power from sources outside its system. After factoring in the cost of construction and the expected savings, the power from the project is expected to have a net cost on par with conventionally produced power imported by NHEC from the regional market.

The total cost of the Moultonborough solar array is approximately \$5 million, which is being financed by low interest New Clean Energy Renewable Bonds (NCREBs) made available by the U.S. Treasury Department for public sector renewable energy projects. Check our website – [www.nhec.com](http://www.nhec.com) – for project updates!

## DRIVE ELECTRIC & EARN REBATES UP TO \$1,000

Electric Vehicle Options	Fuel Economy	Emissions	Fueling Flexibility	Rebates
<b>Plug-In Hybrid Electric Vehicles (PHEVs)</b> Powered by combination of conventional fuels and electrical energy stored in battery. PHEVs are plugged into a power source to charge the battery. They also use regenerative braking and internal combustion for power.	Better than conventional hybrid vehicles;  PHEVs use 40% to 60% less fossil fuel than conventional vehicles	Tailpipe emissions are lower than conventional hybrids and much lower than conventional vehicles	Charge at home or public stations; can run on battery or conventional fuel	<b>\$600 NHEC Rebate</b>  Tax credits and other incentives may be available
<b>Battery Electric Vehicles (BEVs)</b> Powered only by electrical energy stored in batteries. BEVs are charged by plugging vehicle into an electric power source	No gasoline or other fuels. Fuel economy of BEVs is expressed in cost per mile. BEVs cost significantly less per mile than conventional vehicles	Zero emissions; BEVs run only on battery power	Charge at home or public stations; a typical BEV costs \$0.02 to \$0.04 per mile to operate	<b>\$1,000 NHEC Rebate</b>  Tax credits and other incentives may be available

## MEET YOUR NEW DIRECTOR

A new member has joined the NHEC Board of Directors after being elected to a three-year term. Leo Dwyer of Sandwich, NH was elected by the members during the 2017 Board election. Dwyer, whose background includes developing large scale thermal energy plants, said he wants to lessen the impact of system charges imposed on NHEC by ISO-New England, the regional grid administrator, by working more closely with the Federal Energy Regulatory Commission (FERC).

In addition, two incumbent members were re-elected to the Board of Directors – Joan Aubrey of Jackson and Harry Viens of Center Harbor.



**Leo Dwyer**  
Elected to  
3-yr. term

### 2017 Election Results

Total Ballots Counted: 6,806

*Joan Aubrey (Jackson)	4,957
*Leo Dwyer (Sandwich)	4,049
*Harry Viens (Center Harbor)	3,932
Bruce Wiggett (Plymouth)	3,691
Brian Smoker (Rumney)	2,236
*Elected to three-year term	



**Joan Aubrey**  
Re-elected to  
3-yr. term



**Harry Viens**  
Re-elected to  
3-yr. term

## PAY AS YOU GO WITH PRE-PAID METERING

Pre-paid Metering allows you to choose how much and how often to pay towards your credit balance. It's like putting gas in your car. With pre-paid metering, you purchase your electricity before you use it. You can add small amounts every few days or add larger amounts to your account less often.

### BENEFITS

- No security deposits
- No monthly bill surprises
- No late payment charges
- Pay what you want, when you want
- Charges calculated daily

### TRACKING YOUR BALANCE

When you enroll in pre-paid metering, you'll pay a minimum of \$150 to establish your credit balance. You can then check your account balance and your daily electric usage anytime on your account page at [www.nhec.com](http://www.nhec.com). If your balance drops below \$35, you'll receive a text or email notifications reminding you to add money to your account. Payments can be made online or by phone when your balance drops below \$35.

### AM I A GOOD CANDIDATE?

Would it be easier to make payments biweekly, weekly, or even daily instead of one monthly bill? Pre-paid Metering works great for members who have regular access to the internet and want to take control of their energy usage. Monitoring and controlling your daily usage can help you keep your electric usage low and your costs down. Pre-paid Metering is only available for residential members.

### CALL TO ENROLL

Please call NHEC Member Solutions at 1-800-698-2007 to see if Pre-paid Metering works for you.

## SUCCESSFUL DEBUT FOR ONLINE VOTING

For the first time, Co-op members were able to vote online in the 2017 Board of Directors Election. More than 1,200 members voted electronically this year instead of returning a paper ballot, conserving resources and saving NHEC more than \$1,000 in postage costs alone. Based on member comments, online voting is set to grow in popularity.

*"I love the online voting option. It was very easy to access and a lot of thought went into the process so as to make it seamless."*

*"Thank you for going to electronic voting. The bios were easy to read. The whole process was excellent."*

*"Much easier to read and process than the paper ballot and information, plus, no paper in my mailbox and having to mail the ballot. I like it!"*

*"Very user-friendly, much more likely to submit a ballot than if it had been paper!"*

## TELEPHONE TOWN HALL MEETING JULY 26

Can you break the fossil fuel cycle? It's possible with Co-op rebates on Electric Vehicles and Heat Pumps. Join us July 26 at 6:30 p.m., when we'll be holding a Telephone Town Hall Meeting to discuss Co-op programs that can significantly reduce your fossil fuel use at home and on the road.

NHEC makes periodic outbound calls to members, inviting you to stay on the line to join the live Telephone Town Hall Meeting. We discuss a range of topics of interest to you, including updates on rates and Co-op programs that save energy and money. Due to phone system constraints we can't call everyone, but you can join the live call by pre-registering at [www.nhec.com/telephonetownhall](http://www.nhec.com/telephonetownhall). When you register, we'll call you on July 26 at approximately 6:30 p.m. To join the meeting, just stay on the line!

**HAPPY INDEPENDENCE DAY!**

For member service  
please call

1-800-698-2007

Monday-Friday, 8-5:00

or visit us online at [www.nhec.coop](http://www.nhec.coop)



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

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