

Business &
Technology
Strategies

TechUpdate

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AREGC and NRECA Generation Advisory Meeting: June 24-28

Join us on June 24-28 at Lake Lanier Islands, GA for two opportunities to hear the latest in generation issues facing cooperatives today. The 67th annual [Association of Rural Electric Generating Cooperatives \(AREGC\)](#) will take place June 24-27, hosted by Oglethorpe Power Corporation, with the Technical Program managed by PowerSouth Energy Cooperative. Immediately following on June 28, NRECA's [Generation Membership Advisory Group](#) will be meeting to discuss Fractional Micronization of Coal and Calcium Bromide, Low Cost NOx removal, Geothermal Power and Cooling, and other topics. All NRECA members are welcome to attend.

- [AREGC Registration](#)
- For Questions and More Information on Membership Meeting, contact: [Dan Walsh](#)

Ways to Support Electric Vehicle Adoption

Electric vehicle (EV) sales for light-duty vehicles are expected to increase significantly over the next decade. We have two new TechSurveillance articles detailing possible programs that co-ops could explore to support the availability of electric vehicle supply equipment (EVSE), and rate options that support EV adoption.

- [Electric Vehicle Service Equipment Programs](#)

- Contact for Questions: [Brian Sloboda](#)

- [Rate Options to Support EV Adoption](#)

- Contact for Questions: [Allison Hamilton](#)

Co-ops' Important Role in Serving Persistent Poverty Counties

The U.S. Treasury Community Development Financial Institutions Fund (CDFI) recently released an updated list of the nation's Persistent Poverty Counties (PPCs). This new advisory reviews the data and the impact on cooperatives, who provide electric service in 92 percent of the PPCs.

UPCOMING EVENTS

[AREGC Conference](#) – June 24-27, Lanier Islands, GA

NRECA Generation Membership Advisory Group Meeting – June 28, Lanier Islands, GA – Open to all members. Contact [Dan Walsh](#) to register.

[Community Storage Initiative Forum to Discuss Beneficial Electrification](#) – July 18-19, Arlington, VA

[Electrification 2018](#) – August 20-23, Long Beach, CA

BUSINESS AND TECHNOLOGY
SOLUTIONS PORTFOLIO



PROVIDING SOLUTIONS
AND ACTIONABLE ADVICE



RURAL COOPERATIVE
CYBER SECURITY
CAPABILITIES PROGRAM

- [Advisory](#)
 - Contact for Questions: [Michael Leitman](#)
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Registration Open: Community Storage Initiative Forum to Discuss Beneficial Electrification - July 18-19

The NRECA-supported Community Storage Initiative (CSI) is seeking input from members on the prospect of evolving our existing CSI efforts to better incorporate the broader “Beneficial Electrification” opportunity during a forum on July 18-19 in Arlington, VA. Members are invited to join us for a day and a half meeting to help shape the CSI initiative moving forward in light of advancements in electric technologies that continue to create new opportunities for the wise use of electricity, or *Beneficial Electrification*.

- [Registration](#)
 - Contact for Questions: [Keith Dennis](#)
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Updates on IEEE Standard for DER Interconnections

The IEEE 1547 standard deals exclusively with the requirements for interconnecting distributed energy resources (DER) with electric power systems. Earlier this year, updates and revisions to the original 2003 standard were finalized and published in IEEE 1547-2018. This new advisory reviews the extent of the changes made and their impact on cooperatives.

- [Advisory](#)
 - Contact for Questions: [Robert Harris](#)
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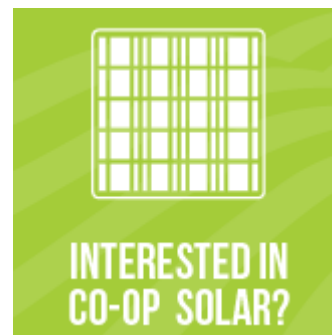
Zero Net Energy Buildings

“Zero net energy” buildings use as much energy as they produce onsite, and have gained a considerable amount of popularity in recent years from their purported environmental and economic benefits. But, simple kWh netting across 24 hours does not address the true impact and value of production and consumption offsetting. NRECA and the Natural Resources Defense Council (NRDC) commissioned The Brattle Group to examine the real benefits of ZNE homes with onsite solar compared to the benefits of powering energy efficient homes with a community solar installation. This new advisory explains the research, and its conclusion that community solar can be the most efficient way to integrate renewable energy on a larger scale and add value to the ZNE debate.

- [Advisory](#)
 - Contact for Questions: [Keith Dennis](#)
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Distribution Operations Online Courses Available to Members at Discount

There is continued emphasis in optimizing how electric distribution systems are designed and operated. As part of a variety of efforts by NRECA to support co-op



access to educational opportunities for the next generation of engineers, we have partnered with one of our Associate Members, SOS Intl, a leading training provider for electric utilities, to offer our distribution and G&T members access to online computer-based self-paced training courses at an NRECA negotiated discounted price. This advisory provides details on this opportunity.

- [Advisory](#)
- Contact for Questions: [Patti Metro](#)

Utility Connected Home

A subset of the Internet of Things (IoT) is the utility connected home, where co-ops and end-use members have a partnership in managing energy use with internet enabled appliances and devices. This new advisory explains this concept and the value for co-ops and their members.

- [Advisory](#)
- Contact for Questions: [Brian Sloboda](#)

Demand Response Program Planning with VirtualBatteries Software

NRECA was recently funded by the Pacific Northwest National Laboratory (PNNL) for the building and testing of a demand response planning software application called the "VirtualBatteries" evaluation tool. With this tool, co-ops will be better able to evaluate and simulate their peak shaving potential. The tool is now available to co-ops, and this new advisory describes how it has been tested and can be used.

- [Advisory](#)
- Contact for Questions: [David Pinney](#)

Opportunity to Participate in Cybersecurity Self-Assessment Project

NRECA's RC3 Cybersecurity Program recently worked with 36 co-ops to test a new self-assessment tool developed to help cooperatives evaluate their cybersecurity posture and gain insights for developing a cybersecurity plan. In mid-July, we will be opening a new application process for small- and mid-sized utility members to participate in the next step of this project: to test education and training materials that will be part of a Self-Assessment Do-It-Yourself Toolkit (DIY Toolkit). More information to come in our next issue of TechUpdate.

- Contacts for Questions: [Cynthia Hsu](#) or CybersecurityRC3@nreca.coop

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