

Business &  
Technology  
Strategies

# TechUpdate

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## Recruiting Advisors for Demand Response Assessment Software "VirtualBatteries"

Pacific Northwest National Laboratory, with the assistance of NRECA, is developing a simulation software application that can identify the energy and financial savings potential from the demand response control of thermostatically controlled residential loads (air conditioners, water heaters, refrigerators and resistance heaters). We are looking for cooperatives who would like to try out the software and serve as technical advisors to help guide its further development. The advisory process will include a teleconference to show you how to use the software, gather your feedback, and answer any questions you have. Full details on benefits and responsibilities may be found in the following Advisory.

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

## Benefits of Standardization in System Integration

As our industry evolves and co-ops are increasingly reliant on software systems and the data they communicate, it is critical that there is standardization of system integration and interoperability. MultiSpeak® is the leading interoperability standard and integration solution used by more than 800 electric utilities in more than 21 countries. Join us on February 25 for an 8-hour pre-conference session to TechAdvantage® and learn how you can leverage MultiSpeak® to benefit your systems integration and interoperability projects. **This session is free for MultiSpeak® subscribers.**

- [MultiSpeak® Integrator Training Preconference](#)
- Contact for Questions: [Tony Thomas](#)

## Learning Opportunities at TechAdvantage® Breakout Sessions

TechAdvantage® 2018 will offer over 75 breakout sessions, allowing you to hear from industry leaders about current and future technologies; earn continuing education credits toward your PE, CPSM, CPM or PMP; and network with peers and more than 300 vendors during the Expo. Here is a small sampling of the wide variety of breakout sessions for your choosing:

### UPCOMING EVENTS

- [Partnering with the Military](#) – February 25, Nashville, TN
- [MultiSpeak® Integrator Training](#) – February 25, Nashville, TN
- [TechAdvantage® Conference](#) – February 25-28, Nashville, TN
- [Safety Leadership Summit](#) – April 25-27, Atlanta, GA

### BUSINESS AND TECHNOLOGY SOLUTIONS PORTFOLIO



PROVIDING SOLUTIONS  
AND ACTIONABLE ADVICE



RURAL COOPERATIVE  
CYBER SECURITY  
CAPABILITIES PROGRAM

- [Impact of Mass Implementation of DER](#)
- [Regional Solar Procurement](#)
- [The Value of Cybersecurity Assessment](#)
- [De-risking Technology Integration](#)
- [RUS Perspective on Risk Management Sourcing](#)
- [Evaluating Batteries](#)
- [Unmanned Aerial Systems](#)
- [New IEEE Interconnection Standard](#)
- [Deploying Broadband](#)

- [TechAdvantage® 2018 website](#)
- [Registration for TechAdvantage®](#)
- Contacts for Question: [Mary Ackleson](#) and [Steve Young](#)

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### Win-Win with Beneficial Electrification

Advancements in electric technologies continue to create new opportunities to use electricity as a substitute for on-site fossil fuels and achieve increased efficiency and control. Such Beneficial Electrification offers local economic development, enhances the quality of the product used by the customer, and benefits the electric system. NRECA is publishing a series of case studies to showcase various beneficial electrification applications for C&I customers that help local businesses stay competitive and strengthen the cooperative presence in the community. If you have an example of beneficial electrification at your cooperative, we would like to hear about it!

- [Beneficial Electrification Case Study Article Series](#)
- Contacts for Questions: [Keith Dennis](#) and [Brian Sloboda](#)

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### NRECA Seeks Input from Co-ops on Advancing GIS Data Quality

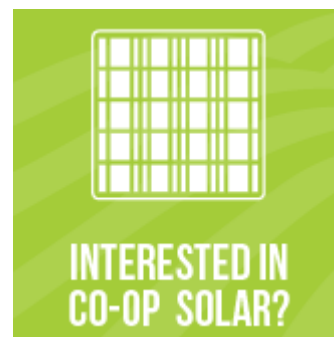
Setting up and maintaining a good GIS system can be a challenge. Time and resources can be limits on what data is collected and how the system is ultimately used. NRECA is seeking input from co-ops on how they have approached the challenge of improving data quality with existing resources, solved data gap problems, and utilized what data they do have in innovative ways. More details are available in the advisory linked below.

- [Advisory](#)
- Contact for Questions: [Katherine Loving](#)

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### 2017 Summary of BTS Articles and Advisories

Throughout 2017, NRECA's Business and Technology Strategies department issued over 50 TechSurveillance articles and Advisories to assist cooperatives in addressing various opportunities and challenges facing our industry. Here is a summary including links to each document.



- [Summary](#)
- Contacts for Questions:
  - Analytics: [David Pinney](#)
  - Cyber Security: [Cynthia Hsu](#)
  - Distributed Energy Resources: [Brian Sloboda](#)
  - Renewable and Distributed Generation: [Jan Ahlen](#)
  - Generation, Environment and Carbon Dioxide: [Dan Walsh](#)
  - Market Resource and Adequacy: [Michael Leitman](#)
  - Transmission and Distribution: [Robert Harris](#)



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