
Articles and Advisories Summary - 2018

NRECA's Business and Technology Strategies *Surveillance* articles and *Advisories* provide up-to-date reviews on an array of energy issues affecting cooperative members. Below is a summary listing of those issued in 2018. You can find the full articles and advisories of these highlights below through the links provided.

Be sure to [visit us on cooperative.com](http://www.nreca.coop) to see new resources available to NRECA members, and sign-up for our twice-monthly newsletter, [Business and Technology Update](#).

Analytics

Contact for Questions: David Pinney, Program Manager – David.Pinney@nreca.coop

- Article: [Coles-Moultrie Electric Cooperative Taps the Value of Open Source GIS](#)
- Advisory: [Project Advisor Opportunity “VirtualBatteries”](#)
- Advisory: [Contributor Opportunity for ARPA-E Open Grid Data Project](#)
- Advisory: [Leveraging Technology for Avian Protection](#)
- Advisory: [Electric Cooperatives Lead Industry AMI Deployment](#)
- Advisory: [Demand Response \(DR\) Program Planning with VirtualBatteries Software](#)
- Advisory: [Electric Cooperatives and Persistent Poverty Counties](#)
- Advisory: [Co-ops Increase Investments in System Maintenance to Promote Electric Reliability](#)
- Advisory: [Recruiting Now for the Analytics Research Member Advisory Group \(ARR MAG\)](#)
- Advisory: [Analytical Models for Determining the Value of Energy Storage on Co-op Systems](#)

Cybersecurity

Contact for Questions: Cynthia Hsu, Program & Product Line Manager – Cynthia.Hsu@nreca.coop

- Article: [RC3 Leverages ‘Cooperation Among Co-ops’ to Confront Cybersecurity Challenges](#)
- Advisory: [Opportunity to Participate in NRECA's RC3 SANS Voucher Program for FREE Cybersecurity Online Courses](#)

- Advisory: [RC3 Self-Assessments: What CEOs and GMs Have to Say About Cybersecurity](#)
- Advisory: [Rethinking Passwords](#)
- Advisory: [Contributor Opportunity for U.S. Department of Energy MEEDS Project](#)
- Advisory: [CEO Leadership is Critical to a Strong Culture of Cybersecurity](#)
- Advisory: [Engaged Employees are a Cooperative's First Line of Defense Against Cyberattacks](#)

Distributed Energy Resources

Contacts for Questions: Brian Sloboda, Program & Product Line Manager – Brian.Sloboda@nreca.coop and Jan Ahlen, Program & Product Line, Manager – Jan.Ahlen@nreca.coop

- Article: [Do Smart Thermostats Make for Smart Demand Response Programs?](#)
- Article: [Beneficial Electrification - Agribusiness: Dairy Water Heating](#)
- Article: [Beneficial Electrification - Space Conditioning in Schools](#)
- Article: [Beneficial Electrification – Natural Gas Pipeline Compressor Stations](#)
- Article: [Farm Beneficial Electrification: Opportunities and Strategies for Rural Electric Cooperatives](#)
- Advisory: [NRECA is Official Supporter of Electrification 2018 Conference](#)
- Advisory: [Beneficial Electrification for All Incomes](#)
- Article: [Gearing Up for Electric Vehicles: Residential EVSE Program Design for Co-ops](#)
- Advisory: [Electric Vehicle Market Potential](#)
- Advisory: [Electric Trucking](#)
- Advisory: [EV Sales Set to Make All Time High – New Co-op Program Could Help](#)
- Advisory: [New EV Truck and SUV Models Coming Soon](#)
- Article: [Helping C&I Customers Maximize Their Energy Management Systems](#)
- Article: [Methods to Help Members Control Electric Resistance Heat](#)
- Advisory: [Utility Connected Home](#)
- Advisory: [Utility Connected Home – The Value to the Cooperative and Use Cases](#)
- Article: [The Increasing Role of Lithium-ion Batteries in Today's Industry and the Importance of Battery Recycling](#)
- Article: [Vendor Solar-Plus-Storage Offerings – Anticipating Deployment](#)
- Advisory: [Changes to Tax Code & Imposition of Solar Panel Tariffs Will Impact Co-op Solar Development Prospects](#)
- Advisory: [Zero Net Energy and Community Solar](#)
- Advisory: [Solar Photovoltaics \(PV\) – A Lexicon](#)
- Advisory: [PV Safety Concerns and PV Impact Guide Online Courses](#)
- Advisory: [2018 Solar Power International Conference: Takeaways](#)
- Advisory: [Battery Energy Storage Assessment – A Cooperative Viewpoint](#)

- Advisory: [DER / Energy Storage Compensation](#)
- Advisory: [Can Grid Edge Devices Benefit Distribution Systems?](#)
- Advisory: [Insights from Design Thinking Research](#)
- Advisory: [Design Thinking Case Study of Poudre Valley REA](#)
- Advisory: [U.S. Department of Agriculture Rural Energy Savings Program \(RESP\) – 2018 Roundtable Takeaways](#)

Generation, Environment & Carbon Dioxide

Contact for Questions: Dan Walsh, Senior Power Supply & Generation Director –
Daniel.Walsh@nreca.coop

- Article: [Wind Turbine Operation & Maintenance Issues](#)
- Article: [Several Technical and Economic Options Can Help G&T Electric Cooperatives Integrate Renewable Energy into the Grid](#)
- Article: [A Direct Injection Carbon Engine \(DICE\) Using a Coal Slurry Fuel](#)
- Advisory: [Today's Natural Gas Supply: Pipeline Infrastructure and its Challenges](#)
- Advisory: [Wyoming Integrated Test Center–Carbon \(ITC-C\) and XPRIZE Update: Finalists to Be Announced April 9; Major Construction Complete on Test Center](#)
- Advisory: [Wyoming Integrated Test Center–Carbon \(ITC-C\) and NRG COSIA CARBON XPRIZE Update: XPRIZE Finalists' Innovative Approaches to Converting CO2 Waste to Sellable Products](#)
- Advisory: [Approval by the EPA of the UND EERC Multi Element Sorbent Trap for Halogens \(MEST-H\)](#)
- Advisory: [Solar Photovoltaics \(PV\) – a Lexicon](#)

Resource Adequacy and Markets

Contact for Questions: Michael Leitman, Senior Analyst Economics & Business –
Michael.Leitman@nreca.coop

- Article: [Rate Options That Support Electric Vehicle Adoption](#)
- Article: [Vendor Solar-Plus-Storage Offerings – Anticipating Deployment](#)
- Advisory: [Rate Options To Support EV Programs](#)
- Advisory: [From Finding the Gaps to Bridging the Gaps: An Electric Cooperative's Need to Source Strategically](#)
- Advisory: [Strategic Sourcing Case Study: North Dakota IEAC](#)
- Advisory: [Strategic Sourcing Case Study: Golden Spread Electric Cooperative's Member-Designed Information Technology Resource Program](#)
- Advisory: [Strategic Sourcing Case Study: Prairie Power's Broadband System Enabled Wide Area Network](#)
- Advisory: [How One Cooperative Leveraged Data to Advance its Pole Attachment Policies](#)

- Advisory: [NRECA Releases Distributed Energy Resources Compensation and Cost Recovery Guide](#)
- Advisory: [Broadband Case Study: Anza Electric Cooperative](#)
- Advisory: [Broadband Case Study: Roanoke Electric Cooperative](#)
- Advisory: [Broadband Case Study: Orcas Power and Light & Rock Island Communications](#)
- Advisory: [Broadband Case Study: Jo-Carroll Energy & Sand Prairie Broadband](#)
- Advisory: [Broadband Case Study: Arrowhead Electric Cooperative & True North Broadband](#)
- Advisory: [Broadband Case Study: NineStar Connect](#)
- Advisory: [Broadband Case Study: Douglas East Net](#)
- Advisory: [Broadband Case Study: North Alabama Electric Cooperative](#)
- Advisory: [Broadband Case Study: Barry Electric Cooperative and goBEC Fiber](#)
- Advisory: [Broadband Case Study: Delta-Montrose Electric Association](#)
- Advisory: [Broadband Case Study: Valley Electric Association](#)
- Advisory: [Broadband Case Study: Midwest Energy & Communications](#)
- Advisory: [The Connect America Fund Phase II Auction: Cooperatives Take Advantage of Opportunity to Expand Voice and Broadband Services](#)
- Advisory: [The Value of Broadband for Electric Cooperative Operations](#)
- Advisory: [The Evolving Electric Cooperative Fuel Mix](#)
- Advisory: [Electric Cooperatives and Opportunities For Working with the Military](#)
- Advisory: [Electric Cooperatives and Persistent Poverty Counties](#)
- Advisory: [What to Know about Cryptocurrency Mining](#)
- Advisory: [Updated Electric Industry Generation, Capacity, and Market Outlook Report Released](#)
- Advisory: [ERCOT Hits New Summer Peak Demand](#)

Transmission and Distribution

Contact for Questions: Robert Harris, Senior Principal Transmission & Distribution Engineering – Robert.Harris@nreca.coop

- Advisory: [MultiSpeak Case Study: Wake EMC](#)
- Advisory: [Seeking MultiSpeak Case Studies](#)
- Advisory: [Energy Efficient Transformer Standards](#)
- Advisory: [IEEE 1547-2018: Standard for Interconnection of DER](#)
- Advisory: [Distribution Optimization: Online Training for Distribution Operations Staff](#)
- Advisory: [Long-Standing Wind and Solar Integration Group Transitions to Address Energy Systems Integration](#)
- Advisory: [Cooperatives' Commitment to Zero Contacts](#)
- Advisory: [National Fire Protection Association \(NFPA\) Standard 855 for Energy Storage Systems](#)
- Advisory: [PV Safety Concerns and PV Impact Guide Online Courses](#)