
Business and Technology Strategies 2020 Articles and Advisories Summary

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 2020. You can find the full articles and advisories of these highlights below through the links provided.

Be sure to [visit us on cooperative.com](https://www.cooperative.com) 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, Principal Analytical Tools & Software Products – David.Pinney@nrea.coop

- Articles: Turning Numbers Into Action: Analytics Bringing Visibility To Utility Operations, Clarity to Decision-Making
 - Article: [Case Studies – Part 1 of 2](#)
 - Article: [Case Studies – Part 2 of 2](#)
- Advisory: [AR/VR Case Study: Jo-Carroll Energy](#)
- Advisory: [AR/VR Case Study: Tri-State](#)
- Advisory: [TechAdvantage®: Takeaways from the Panel Session on Industrial Applications of Machine Learning, Augmented and Virtual Reality](#)
- Advisory: [Predictive Maintenance Tool Project](#)

Cyber Security

Contact for Questions:

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- Advisory: RC3 Online Self-Assessment License Program - Round 2 application – Advisory (replaced with updated version below)
- Advisory: RC3 Online Self-Assessment License Program - Round 2 application – FAQ (replaced with updated version below)
- Advisory: [RC3 Cybersecurity Tabletop Exercise Toolkit \(TTX\) - Factsheet](#)

- Advisory: [RC3 Online Self-Assessment License Program - Round 2 Application - Extension – Advisory \(replaced with updated version below\)](#)
- Advisory: [RC3 Online Self-Assessment License Program - Round 2 Application - Extension – FAQ \(replaced with updated version below\)](#)
- Advisory: [Data Privacy: Data Strategies in a Changing Landscape](#)
- Advisory: [RC3 Online Self-Assessment License Program - Final Round Application - Advisory](#)
- Advisory: [RC3 Online Self-Assessment License Program – Final Round Application - FAQ](#)

Distributed Energy Resources

Contacts for Questions:

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Brian Sloboda, Consumer Solutions Director – Brian.Sloboda@nreca.coop

- Article: [Promoting Efficiency and Electrification in Home Heating and Water Heating](#)
- Article: [Beneficial Electrification - Dual Fuel Home Heating](#)
- Article: [Radio Wave Grain Drying Systems - Energy Efficiency and Beneficial Electrification](#)
- Advisory: [Update on NRECA as Sponsor of Electrification 2020 conference](#)
- Advisory: [Electric Cooperative Load Growth to Accommodate a Migration to Electric Vehicles](#)
- Advisory: [Advancing Energy Access for All - Case Study - Mid-Carolina Electric Cooperative](#)
- Advisory: [Tools to Help Consumer-Members Manage Energy Expenses During COVID-19](#)
- Advisory: [Viable Fuel Alternatives to Class 7/8 Diesel Trucks](#)
- Advisory: [Integrated Distribution Resource Planning \(IDRP\) for Electric Cooperatives](#)
- Advisory: [The National Governors Association \(NGA\) Roundtable On Rural Energy Affordability - Key Takeaways](#)
- Advisory: [DOE RFI on Potential Project for Connected Communities](#)
- Advisory: [Preparing to Plug in Your Municipal Transit Bus Fleet - 10 Things to Consider](#)
- Advisory: [Beneficial Electrification Project Funding Opportunity](#)
- Advisory: [Consumer Segmentation for Beneficial Electrification](#)
- Advisory: [DOE SETO Wind Generation Webinar Hosted by NRECA](#)
- Advisory: [ACCESS Project \(Overview\)](#)
- Advisory: [DOE Funded Solar ACCESS Project - Recruitment Advisory](#)
- Advisory: [SEEDS II: Modeling Residential Rooftop Solar Adoption](#)
- Advisory: [Participation Opportunity: Rural Area Distributed Wind Integration Network Development \(RADWIND\) Project \(Advisory\)](#)

- Advisory: [Participation Opportunity: Rural Area Distributed Wind Integration Network Development \(RADWIND\) Project \(FAQ\)](#)
- Advisory: ACCESS Solar Project: [Case Study: Anza Electric Cooperative](#)
- Advisory: ACCESS Solar Project: [Case Study: Roanoke Electric Cooperative](#)
- Advisory: [ACCESS Solar Project: NRECA and PNNL Research Additional Benefits from Solar PV and Energy Storage](#)
- Advisory: [ACCESS Project Explores Use of Federal Assistance Funds to Provide Affordable Solar Energy for Low-Income Households](#)
- Advisory: [DOE Issues Funding Opportunity for Grid-Interactive Efficient Buildings and Connected Communities](#)
- Advisory: [Energy Efficiency Opportunities for Cannabis Production](#)

Generation, Environment, & Carbon

Contact for Questions:

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- Article: [Summary: CEATI TGIG Report: Maintenance Optimization Using Risk-Based Tools report - Part 1 of 2: Methods for Optimizing Maintenance and Analyzing Equipment Performance](#)
- Article: [Summary: CEATI TGIG Report: Integration and Coordination of Energy Storage with Microgrids – Part 1 of 3: Current Operational Structure](#)
- Article: [Summary: CEATI TGIG Report: Integration and Coordination of Energy Storage with Microgrids – Part 2 of 3: Benefits, Challenges of Two Microgrid Case Studies](#)
- Article: [Summary: CEATI TGIG Report: Integration and Coordination of Energy Storage with Microgrids – Part 3 of 3: Benefits, Challenges of Two Additional Use Studies and Best Practices for Implementing Storage for Microgrids](#)
- Article: [Optimizing Solar PV Plus Battery Energy Storage](#)
- Advisory: [Wind Energy O&M Issue: Leading Edge Erosion](#)
- Advisory: [NRECA Joins NCCC](#)
- Advisory: [AREGC Annual Conference Highlights](#)
- Advisory: [NREL Report: Increasing Wind Turbine Tower Heights: Opportunities and Challenges](#)
- Advisory: [Opportunities for Co-ops to Engage with CEATI](#)
- Advisory: [Update on the Wyoming Integrated Test Center \(ITC\): DOE Awards Funding to Test New Carbon-Capture Membrane Process](#)
- Advisory: [Update: Increased Opportunities for Co-ops to Engage with CEATI](#)

Resource Adequacy & Markets

Contact for Questions:

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- Advisory: [NERC's Annual Long-Term Reliability Assessment](#)
- Advisory: [Peak Demand Pricing](#)
- Advisory: [Delivering Value Through Green Tariffs](#)
- Advisory: [Working with the Military: Nolin RECC Case Study](#)
- Advisory: [Financial Impact of COVID-19 on Electric Cooperatives](#)
- Advisory: [Jobs Most At Risk from Economic Impact of COVID-19](#)
- Advisory: [COVID-19 Revelation: Broadband is An Essential Service](#)
- Advisory: [Co-ops Continue to Lead Industry in AMI](#)
- Advisory: [Impact of COVID-19 on G&T](#)
- Advisory: [Co-op Fuel Mix Update \(2018 data\)](#)
- Advisory: [The Impacts of COVID-19 On Sector Specific Electricity Sales](#)
- Advisory: [Financial Implications of COVID-19 on Electric Cooperatives and Pathways to Relief](#)
- Advisory: [DOE SETO Wind Generation Webinar Hosted by NRECA](#)
- Advisory: [Co-op Renewables Continue to Grow, with Solar Accelerating](#)
- Advisory: [Working with the Military Case Study: Fort Leavenworth Case Study](#)
- Advisory: [New Energy Resource Model Initiative: Case Study on NCEMC](#)
- Advisory: [Paycheck Protection Program – Resources for Processing and Accounting for Loan Forgiveness](#)
- Advisory: [DER Growth Heightens Need for Increased T&D Collaboration and Focus on Bulk Power System Reliability](#)
- Advisory: [New Energy Resource Model Initiative: Case Study on Western Farmers Electric Cooperative](#)
- Advisory: [FERC Order 2222 for DER Aggregation in Organized Wholesale Markets](#)
- Advisory: [New Energy Resource Model Initiative: Old Dominion Energy Cooperative and Its Members](#)

Transmission and Distribution

Contact for Questions:

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- Article: [Self-Healing Grid - United Power case study](#)
- Article: [CEATI Report Summary: State-of-the-Art Review of Mobile Substations: Part 1 of 3 - Literature Search and Vendor Survey Results](#)
- Article: [CEATI Report Summary: State-of-the-Art Review of Mobile Substations: Part 2 of 3 - User Experience and Observations](#)
- Article: [CEATI Report Summary: State-of-the-Art Review of Mobile Substations: Part 3 of 3 – Technical Specification Guidelines](#)
- Article: Summary of CEATI Transmission Overhead Design & Extreme Event Mitigation (TODEM) Interest Group’s Report Guidelines for Optical Groundwire Technology – Part 1 of 2: [Industry State-of-the-Art and Best Practices](#)
- Article: Summary of CEATI Transmission Overhead Design & Extreme Event Mitigation (TODEM) Interest Group’s Report Guidelines for Optical Groundwire Technology – Part 2 of 2: [Tools To Identify and Mitigate Knowledge and Experience Gaps](#)
- Advisory: [Updating of NESC 2017 to NESC 2022: NESC Preprint - Public Comments Due March 2](#)
- Advisory: [IEEE Standard 1547.1-2020 for Testing DER Interconnections Now Approved](#)
- Advisory: [Integrated Distribution Resource Planning \(IDRP\) for Electric Cooperatives](#)
- Advisory: [Predictive Maintenance Tool Project](#)
- Advisory: [Draft Guide for Joint Use](#)
- Advisory: [NESC Update Process Delayed By A Year](#)
- Advisory: [ASCE Standard for Overhead Utility Structures](#)

Management Services and Consulting

Contact for Questions:

Ginny Beauchemin, Managing Director, Consulting Services – Ginny.Beauchemin@nreca.coop

- Advisory: [NRECA Management Services and Consulting Offerings - Now Part of BTS](#)
- Advisory: [Update: NRECA Expands Consulting Services Within Business and Technology Strategies Portfolio](#)

Content Related to COVID-19

Contact for Questions:

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- Advisory: [Tools to Help Members Manage Energy Expenses](#)
 - Advisory: [Business and Technology Resources to Use Virtually During This Time of Physical Distancing](#)
 - Advisory: [Financial Impact of COVID-19 on Electric Co-ops](#)
 - Advisory: [At Risk Job Sectors in Co-op Areas](#)
 - Advisory: [A COVID-19 Revelation: Broadband is an Essential Service](#)
 - Advisory: [The Impacts of the COVID-19 Pandemic on G&T Cooperatives](#)
 - Advisory: [The Impacts of COVID-19 On Sector Specific Electricity Sales](#)
 - Advisory: [Financial Implications of COVID-19 on Electric Cooperatives and Pathways to Relief](#)
 - Advisory: [COVID-19 Economic Impact on Cooperatives and Pathways for Relief](#)
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