

Articles and Advisories Summary - 2017

NRECA's Business and Technology Strategies *TechSurveillance* articles and *Member and Technology Advisories* provide up-to-date reviews on an array of energy issues affecting cooperative members. Below is a summary listing of those issued in 2017.

All Audiences

- Advisory: [New Opportunities for Co-ops to Engage with CEATI](#) (August 2017)

Co-op Workforce

- Advisory: [Bridging the Skills Gap with Co-op Involvement](#) (October 2017)

Cyber Security

- Advisory: [RC3 Program Overview](#) (February 2017)
- Advisory: [RC3 – NRECA's Cybersecurity Summit: a Catalyst for Co-op Discussions about Cyber Security Risks](#) (February 2017)

Distributed Energy Resources (Energy Efficiency and Renewables Generation)

- Advisory: [Electric Vehicles: New Models Poised to Make a Splash](#) (January 2017)
- Article: [Consumer-Centric Programs that Promote Electrification](#) (January 2017)
- Advisory: [Zinc Hybrid Cathode Battery Solution for Utility-Scale Energy Storage](#) (February 2017)
- Advisory: [NRECA Launches New Solar Interest Group for Members](#) (February 2017)
- Advisory: [Test Shows that PV Systems Can Provide Frequency Response and Ancillary Services](#) (February 2017)
- Advisory: [Tesla / SolarCity Announce New Residential and Utility Scale Batteries](#) (February 2017)
- Article: [How a Problem with Vehicle Emissions Affects the Electricity Industry](#) (February 2017)
- Article: [When It Comes to Battery Storage Systems, Co-ops Should Focus on a Primary Application](#) (February 2017)
- Advisory: [PV as Energy Source](#) (March 2017)
- Advisory: [A New Transformer for a New Era: Grid Energy Router](#) (April 2017)
- Article: [Considerations for Integrating Renewables](#) (May 2017)
- Advisory: [NRECA Seeks Co-Op Examples of Beneficial Electrification for C&I](#) (June 2017)
- Advisory: [Does Tracking Make Sense for Co-op PV Systems](#) (July 2017)
- Advisory: [Changes Coming to Electric Commercial Water Heater Availability: The Grid-Enabled Electric Water Heater Market Needs Co-op Support](#) (August 2017)
- Advisory: [Electric Vehicles – Alleviating Misconceptions to Advance the Technology](#) (August 2017)
- Article: [DC Power in Buildings: Separating the Hype from Reality](#) (August 2017)
- Advisory: [2017 Eclipse – Effects on Co-op Solar Arrays](#) (September 2017)
- Article: [Beneficial Electrification for C&I Case Study: Forklifts](#) (September 2017)
- Article: [Beneficial Electrification for C&I Case Study: Rock Crushing Equipment](#) (October 2017)

- Article: [Beneficial Electrification for C&I Case Study: Cooking Equipment](#) (November 2017)
- Article: [Beneficial Electrification for C&I Case Study: Irrigation Systems](#) (December 2017)

Generation, Environment, & Carbon Dioxide

- Article: [Integrating Renewables: Fossil Generation Options Available to G&T Cooperatives](#) (March 2017)
- Advisory: [Wyoming Integrated Test Center – Carbon \(ITC-C\); NRG COSIA Carbon XPRIZE Research: Twelve Semi-Finalists will conduct small scale demonstrations through the summer](#) (March 2017)
- Article: [Growth of Wind Generation in the Electric Cooperative Community](#) (June 2017)
- Article: [The EPA §316\(b\) Rule on Cooling Water Intake Structures: Requirements and Challenges](#) – (June 2017)
- Article: [G&T Cooperatives Have Several Options – and Some Concerns – When Complying with EPA’s §316\(b\) Rule](#) (August 2017)
- Advisory: [New Opportunities for Co-ops to Engage with CEAT!](#) (August 2017)
- Advisory: [Small Modular Reactors: Generation III+ Nuclear Power Technology](#) (October 2017)
- Article: [Current Wind Technologies](#) (October 2017)
- Article: [Technology Options for G&T Cooperatives to Meet the §EPA 316\(b\) Impingement and Entrainment Requirements](#) (November 2017)

Market Resource and Adequacy

- Advisory: [New Rate Guide to Address a New Era in the Electricity Industry](#) (February 2017)
- Advisory: [Challenges and Opportunities Facing Coal](#) (March 2017)
- Advisory: [The Evolution of the Western Markets](#) (April 2017)
- Advisory: [Increasing the Value of Geospatial Data](#) (June 2017)
- Advisory: [Today’s Natural Gas Supply: The Impact of the Shale Gas Revolution](#) (August 2017)
- Article: [AMI Enables Flexible Pricing and Helps Co-ops Maintain Revenue Stability](#) (October 2017)
- Advisory: [NRECA Seeks Input from Co-ops for TechAdvantage Session on Advancing GIS Data Quality](#) (December 2017)

Transmission and Distribution

- Article: [IEEE 1547 – Pt 3 – Disturbance Performance](#) (February 2017)
- Article: [IEEE 1547 Relevant to Additional Issues Including Power Quality](#) (April 2017)
- Article: [Case Studies: Success with Unmanned Aerial Systems](#) (August 2017)
- Article: [Tackling the Big Technology Project – AMI Case Study of MTEM C](#) (September 2017)
- Advisory: [The Importance of the SAIDI Number](#) (September 2017)
- Advisory: [MultiSpeak® Use Case Study: Win Energy REMC](#) (October 2017)
- Advisory: [Distribution Optimization](#) (October 2017)
- Advisory: [Meeting the Challenges of Today's Integrated Distribution Network with MultiSpeak](#) (November 2017)