

ENERGYLINES

TORNADO DAMAGE

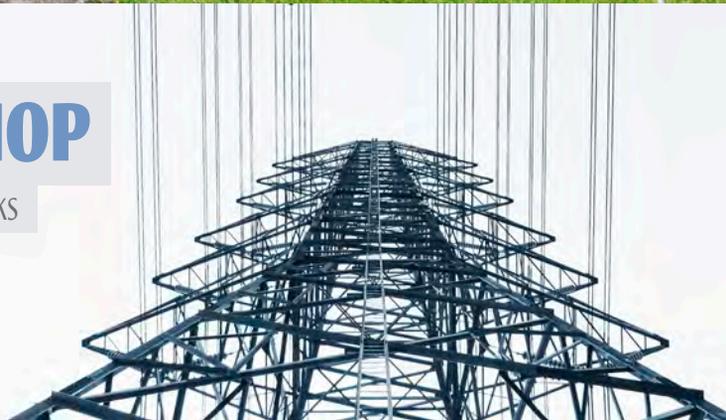
Crews work to restore power after storms hit co-op territories
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RELIABILITY WORKSHOP

Member co-op employees learn how G&T works to meet compliance standards

PAGE 3





EV charging companies to expand access

Two electric vehicle charging companies, Electrify America and ChargePoint, have announced a partnership that will allow customers to charge on either network with a single account and no additional fees according to UtilityDive.com.

Electrify America President and CEO Giovanni Palazzo said to Utility Dive, “With the two largest EV charging service providers in the U.S. reaching this agreement, we can help expedite electric vehicle adoption by creating a seamless and reliable charging experience for consumers.”

This partnership will allow consumers to access more than 30,000 Level 2 and DC Fast Chargers across the United States.

In addition, the arrangement is helping consumers make the change to electric vehicles as the charging network across the U.S. grows.

COMING NEXT MONTH Grant provides new tools for students

In the next issue of EnergyLines, find out how a Hoosier Energy grant was put to use by the North Lawrence Career Center in Bedford, Ind.

CoBank, a national cooperative bank, matched Hoosier Energy’s investment taking the total to \$10,000 to help purchase new equipment for students at the career center.

Program to help co-op consumers

The National Rural Electric Cooperative Association is launching an initiative to Advance Energy Access for All.

The goal of this outreach program is to create a sustainable practice around supporting member cooperatives as they holistically serve their members, especially those who struggle to pay their bills and other families in need.

ONLINE EXTRA

>> For more information visit Cooperative.com

INDUSTRY NEWS

World’s largest renewable storage project in Utah

Utah is taking energy storage to a new level though a project estimated to provide 1 gigawatt of power. Called “Advanced Clean Energy Storage,” the project will use four storage technologies to generate and store energy according to a report at UtilityDive.com.

The technology includes: renewable hydrogen, compressed air energy storage, large-scale flow batteries and solid oxide fuel cells. Utility Dive states that the project will be developed by Mitsubishi Hitachi Power Systems (MHPS) and Magnum Development. MHPS says its technology uses gas turbines to produce energy with zero carbon emissions.

ONLINE EXTRA

>> Read the full report at UtilityDive.com.

RENEWABLE ENERGY

Starbucks builds renewable generation portfolio

The diversification of energy resources used by companies across all sectors is growing. The latest to diversify is coffee giant Starbucks. According to a Utility Dive report, Starbucks will add 146 MW of renewable energy to its portfolio by 2021 to serve more than 3,000 U.S. stores.

To find the energy, three separate projects from distinct developers were aggregated through LevelTen Energy’s marketplace platform.

Utility Dive says the coffee giant owns all the environmental attributes assumed with each project and the project receives financing through the wholesale market to determine the Power Purchase Agreement price.



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COST MANAGEMENT
AND PERFORMANCE

SUPPLY
PORTFOLIO

ON THE COVER

SCI REMC and contractors work to prepare a new power pole following tornado damage near Ellettsville, Ind.



*Did you
know?*

ELECTRIFY INDIANA

THE FUTURE IS ELECTRIC

The Beneficial Electrification League will partner with Hoosier Energy to conduct a statewide workshop.

WHEN: October 8 – 9 (space is limited)

WHERE: Hoosier Energy Headquarters

CONTACT: Manager of Innovation and Marketing Services Aimee Skrzekut at askrzekut@hepn.com

BENEFICIAL ELECTRIFICATION LEAGUE GOALS

The Beneficial Electrification League (BEL) focuses on opportunities for engagement and market development. League goals are to demonstrate the benefits of electric space and water heating technology, electric vehicle (commercial and consumer) and charging infrastructure, premise-based battery systems, and a variety of commercial, agricultural and industrial applications.

BENEFICIAL ELECTRIFICATION

Definition: The application of electricity to end-uses that would otherwise consume fossil fuels to save consumer resources over time, improve product quality and consumer quality of life, foster a more robust and resilient grid, benefit the environment and reduce greenhouse gas emissions.

ONLINEEXTRA

>> To learn more about BEL visit:

Beneficialelectrification.com

RELIABILITY WORKSHOP



HOW HOOSIER ENERGY MEETS GRID RELIABILITY STANDARDS

Workshop shows how co-op works to maintain regulatory compliance; how emergency capacity portal works

Employees from member cooperatives recently attended an energy reliability workshop at Hoosier Energy’s headquarters to learn how the generation and transmission electric cooperative works with various regulatory entities to meet compliance standards.

Workshops like this help Hoosier Energy show how the Generation and Transmission electric cooperative is working with its members to communicate the compliance plan.

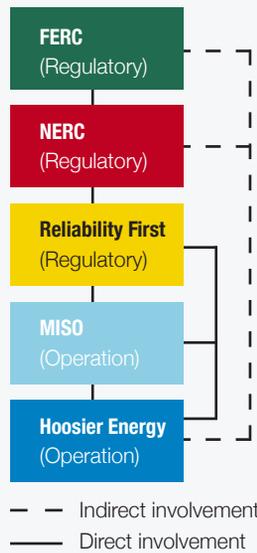
Reliability compliance standards include an audit process that takes place every three years. This has been in place since 2007 and is enforced by Reliability First which is responsible for the reliability and security of the grid in 14 states. A separate audit process is in place for cyber assets which is also on a three-year rotation.

These standards include Midcontinent Independent System Operator (MISO) capacity criteria. The MISO, a member-based organization that ensures reliable, least-cost delivery of energy located in Carmel, Ind., ensures there is enough capacity and energy available on the grid. This includes reserve capacity. The MISO implements the emergency plan as required if there is the need to reduce system-wide demand.

“MISO has never had a load shed event but that is a risk we take seriously. We work hard to be ready

Regulatory structure

Hoosier Energy reports through the North American Reliability Corporation (NERC). This regulatory corporation is responsible for electric reliability in North America. Hoosier Energy is audited every three years for reliability of the grid and for cyber security standards by Reliability First.



to show that we are prepared for such an event to meet compliance requirements,” said Vice President of Corporate Engineering Dave Sandefur.

The MISO reviews energy need and compares that with available resources and system conditions. Based on those variables, it then determines what actions might need to take place to maintain grid reliability. Actions could be as simple as going

into a conservative maintenance mode or adding more generation onto the system, if available. However, voluntary load conservation requests or in the extreme, actually shedding load, is a real possibility. Any action required will be communicated to Hoosier Energy.

A major component of this plan is the capacity emergency portal. This portal is where co-ops are notified of capacity emergencies and will also learn if load needs to be shed as directed by the MISO. Notifications are connected to emergency events that detail the steps member cooperatives need to take. This includes prepared news releases that are automatically sent to local media outlets.

Messages are not prepared for social media channels. Hoosier Energy Communications Manager Greg Seiter detailed the best way to communicate with member-consumers using these channels.

“I encourage you to have representation of these events throughout your social media channels. If you do post, be sure to have someone available to monitor and respond to your members,” said Seiter.

This annual training is key in maintaining consistent messaging throughout the member systems and helps to ensure that Hoosier Energy’s capacity emergency plans will work when and if they are called upon. **E**

Co-op communications

On Facebook, Henry County REMC shared with members that they had sent crews to help SCI REMC restore power.

SCI REMC updated member-consumers on how a line crew faced flooding following the storms – adding another challenge to the restoration process.



Co-ops work together to restore power following string of tornadic activity

The National Weather Service confirmed that on June 15 nine tornadoes touched down across central and southern Indiana.

The path of destruction was wide as the twisters ripped through several co-op territories, leaving areas of total destruction in their wake.

Preliminary reports stated that the Owen County tornado was an EF1, while the Greene and Monroe County tornados were category EF2 storms.

In the town of Ellettsville, a tornado had winds up to 130 mph. The storm's path crossed with South Central Indiana's REMC's 1 MW solar array. An estimated 25 solar panels were destroyed or damaged.

"If you look where the tornado came through, a nearby barn was completely destroyed. We were lucky to have our infrastructure predominantly in tact," said Hoosier Energy Renewable Energy Project Developer Josh Cisney.

After the storms passed and it was safe to inspect damage, SCI REMC crews were dispatched. Reports of damage continued

to come in through the day and night. Tornadoes uprooted electric poles and toppled trees onto power lines. After the tornadoes passed, the rains persisted. On Sunday evening, as a SCI REMC crew worked to restore power, they found themselves surrounded by flood waters – unable to leave the area.

Utilities District of Western Indiana (UDWI) also faced similar restoration efforts in its territory. The path of the tornadoes left power lines twisted on the ground. The tops of poles were snapped off and laying in broken piles of timber far from their original location.

The cooperative world is one of teamwork. Crews from Clark County REMC, Hendricks Power Cooperative, Henry County REMC and JCREMC arrived to help SCI REMC restore power.

"It is an honor to be on a team with people who consistently go above and beyond to restore life-critical services when our members are in need," said James Tanneberger, President & CEO at SCI REMC.

To get power back on as quickly and



HE photos



TORNADO DAMAGE: On June 18, Renewable Energy Project Developer Josh Cisney inspected tornado damage to the solar array near Ellettsville, Ind. following the storms that hit the area.

safely as possible the Martinsville-based co-op leaned heavily on their system operations and engineers to switch circuits around whenever possible to energize sections of the grid. The restoration efforts don't stop there.

"We depended on our warehouse employees and vendors to make sure we had the materials we need and they all came through for us. We also relied on our marketing and communications team to keep our members, first responders and the public apprised of the situation and expected restoration timelines," said SCI REMC Vice President of Distribution Services Tim LeMere.

He continued, "In my 20 years of experience in the electric utility industry, I have never seen such a unified response. I couldn't be prouder." [FI](#)

MEMBER-FOCUSED

Southern Indiana Power celebrates its 80th year with an event for the entire family

Southern Indiana Power had its 80th annual meeting April 16 at the Spencer County 4-H Youth and Community Center. With 424 member-consumers in attendance, turnout was strong.

Chief Executive Officer Steve Seibert noted that 2018 was one of the safest on record for employees. Seibert mentioned the cooperative is retiring capital credits with almost \$5.5 million retired to the membership since 2012.

The co-op also communicated it is researching how to provide internet service for members.



ELECTION OF OFFICERS

- District 1:** Jeff Vogel
- District 2:** Philip Meyer
- District 7:** David Lynch

EVENT DETAILS

Southern Indiana Power's annual meeting is an event for the entire family. From bucket truck rides to bingo, there is something for everyone!

MEMBER-

ANNUAL MEETINGS PART OF THE COOPERAT

Bartholomew County REMC's annual meeting reminds members the co-op is 'Local then. Local Now.'

Bartholomew County REMC's annual meeting took place April 16 at Columbus North High School Auditorium in Columbus, Ind. The meeting's theme was "Local Then. Local Now."

There were 447 registered member-consumers in attendance.

Prior to the meeting, co-op members visited booths about available programs and incentives and enjoyed music from a Beatles tribute band.

During Jim Turner's CEO report, he reviewed average outage times for 2018. Outages have decreased by 65 minutes since 2013. Currently, member-consumers average one outage a year.



ELECTION OF OFFICERS

District 2: Dr. John D. Harker
District 5: Ron Arnholt
District 7: Janet Anthony

EVENT DETAILS

Booths were set up for member-consumers to learn about available programs and incentives.

Henry County REMC's annual meeting included a great meal and co-op updates for members

Henry County REMC's 82nd annual meeting took place April 25 at the First Baptist Church in New Castle, Ind. CEO, Shannon Thom discussed the new outage management system and how it improves outage restoration times.

Board Chairman Wayne Jester discussed the results of a recent cost of service analysis effort to improve reliability and provided an update on rural broadband in Henry County.

Operation Round Up Vice Chairman Rebecca Gonya provided a grant update to the membership. Service awards were presented to Tyler Powell for 10 years and Anita Irwin for 30 years of service. Joe Stevens received the Richard Bromagem Lineman Appreciation Award.



EVENT DETAILS

Members were informed of improvements made to the grid and a new outage management system during the meeting.

-FOCUSED

MAKE A DIFFERENCE FOR ELECTRIC CONSUMERS

Employee, member, community safety discussed during Dubois REC annual meeting in Huntingburg

The Dubois REC annual meeting took place April 9 at the Huntingburg Event Center.

Dubois REC Board President Brad Knies discussed capital credits, the energy management program and rebates for efficient heating and cooling systems.

Chief Executive Officer Joe Henson, emphasized the importance of the safety of employees, members and the community.

Henson recognized two employees for 40 and 45 years of service. He then introduced the Washington, D.C. Youth Tour delegates and Touchstone Energy Camp participants.



ELECTION OF OFFICERS

District 2: Randall Stemle
District 7: Richard Wendholt

EVENT DETAILS

Co-op members were treated to a free bag of popcorn as well as information on how to make their home more energy efficient.

Daviess-Martin County REMC's annual meeting takes place at new location, includes energy efficiency info

Daviess-Martin County REMC had its 80th anniversary annual meeting April 11 at the North Daviess Junior-Senior High School. General Manager Bill Schmidt noted the cooperative's commitment to safety and that they had no lost time incidents during the past year.

The cooperative had three apprentice linemen move on to become Journeymen through the Hoosier Energy Apprenticeship Training and Safety program.



ELECTION OF OFFICERS

District 1: Steve Streepy
District 4: Terry Chapman

EVENT DETAILS

Co-op members were able to learn about LED light availability at the Team Up light store.



Submitted photo

MEMBER FOCUS: Consumer-members from Jackson County REMC watch a film as part of a recent member appreciation day at the Hamilton Township Volunteer Fire Department.

Popcorn, a motion picture and internet engagement

Jackson County REMC event brings members together to watch a movie and learn about broadband internet service available

Co-op value.

Jackson County REMC hosted its first member appreciation event May 31 at the Hamilton

Township Volunteer Fire Department in Seymour, Ind.

Lawn chairs and blankets scattered the lawn in front of a large screen set up to show the animated film “Ferdinand.”

The smell of popcorn lingered in the air as co-op employees prepared it for attendees. Volunteer firefighters provided hot dogs – asking for donations to help with improvements at the local fire station.

With nearly 70 people in attendance, this first-time member-focused event was a huge success. Co-op employees selected the fire station as the site for the event because it is near the end of the zone where fiber-internet

is being installed. This dual-purpose event provided a fun way to help co-op members sign up for internet service through Jackson Connect, LLC.

Two days prior to this event was a milestone for the co-op’s internet service as the 1,000th connection was made.

Nicole Ault, Communications and Public Relations Specialist, said the event helped show their commitment to community.

“We were able to have one-on-one interactions with our members, which we love. We were pleased to receive a lot of positive feedback regarding our new fiber internet service,” said Ault.

Jackson Connect, LLC, a division of Jackson County REMC, has 729 miles of fiber internet installed. The division now employs 12 with four construction crews in four zones. [E](#)

Social session

UDWI REMC reminded members to change the direction of ceiling fans to help them Team Up to save on energy.

WIN Energy REMC reminded members to have their HVAC serviced for the summer and the rebates they have available.



(FACEBOOK)
UDWI REMC



(FACEBOOK)
WIN Energy REMC



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THE COOPERATIVE DIFFERENCE



HE photo

FACILITY TOURS: Production Manager Ryan Henderson, left, at the Merom Generation Station explains equipment at the station as Amy Ewing from Decatur County REMC looks at the equipment above.

Co-op employees tour Hoosier Energy facilities

Tours part of cooperative's employee training and development initiative

When Decatur County REMC reached out to Hoosier Energy to conduct facility tours for its employees, the generation and transmission cooperative knew it could help. CEO Bret Abplanalp wants employees to learn more about their power supplier through their employee training and development initiative.

A group of 15 employees wearing matching green “we love our members” t-shirts began the tour at Decatur County REMC headquarters in Greensburg, Ind.

The first stop was Hoosier Energy headquarters in Bloomington where participants learned about the design and development of the building and the energy-efficient measures put in place.

The tour continued at the natural gas-fired Worthington Generating Station. This quick-start facility can be available in 15 minutes to generate energy. With four engines in place,

the facility can produce up to 174 megawatts.

The tour continued to the Merom Generating Station near Sullivan, Ind. This 1,070-megawatt coal-fired facility stands nine stories tall.

The tour showed co-op employees the environmental controls in place including electrostatic precipitators, flu gas desulfurization and selective catalytic reduction systems. Inside the boiler house, tour guides from Hoosier Energy showed how steam is created and pressurized to turn turbines.

Amy Ewing, Staff Assistant at Decatur County REMC, has nearly 20 years experience working with the co-op. She was amazed at the process of generating electricity.

“This tour helped me have a better understanding of the day-to-day operations taking place from our power supplier.” **EL**

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Training to be Safe by Choice.

Linemen work with apprentices to install 600 ampere underarm disconnects during rubber glove training for the Hoosier Energy Apprentice Training and Safety program. From left: Jarren Brown from Jackson County REMC; DJ Gray from Jackson County REMC; Cory Berg from Hoosier Energy; Dustin Wisheart from JCREMC and Chris Thompson from JCREMC.