2017 EAS User Training & Technical Showcase Event

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The EAS Users Technical Showcase pre and post-forum supplemental training sessions

Eaton will offer 14 pre- and post-forum supplemental training sessions that will each run between four and eight hours long. These sessions will provide utility attendees/users with training and integration insights to maximize existing products and solutions. They will be offered on **Monday, October 9 and Thursday, October 12.**

	MONDAY, October 9	**MONDAY,** October 9
Course	**Do your own DR feasibility study** **(½ day session – morning)**	**Introduction to Big Data tools and techniques** **(½ day session – afternoon)**
Duration	8:00 AM to 12:00 PM	1:00 PM-5:00 PM
Overview	In this workshop, each participant will be give a spreadsheet model that they can fill out for themselves with their wholesale rates, and they can design their programs, what loads they would control, install rate, churn rates, marketing costs, peak day load curves, number of customers, and really everything to end up with a DR feasibility study. *The training is intended for any utility employee interested in determining if Demand Response would benefit the utility and their members/customers.*	Big Data Analysis is a topic brought up in many conversations today. This ½ day seminar will introduce you to the world of Big Data Analysis. We will start out with an overview of what Big Data Analysis means and the tools that have been developed (both open source and commercial) to analyze data. We will walk through two examples of how Eaton is using Big Data Tools to get a better understanding of customer behavior and improve system performance. We will also provide the students with hands-on time and exercises using a Big Data Tool. *The training is intended for any utility employee interested in understanding Big Data Tools and how they can be applied to Demand Response programs.*
Objectives	At the end of the course, participants will be able to: • Understand the economic drivers for Demand Response • Assess if there is a business case for Demand Response at their utility • Communicate the value of Demand Response to their utility	At the end of a full course, participants will be able to: • Understand what Big Data Analysis means and the tools available • Understand of how Big Data Tools can be used to analyze Demand Response programs • Demonstrate an understanding of how to use Big Data Tools
Prerequisites	Participants will be sent a spreadsheet with a list of information that they will need to bring to the class. This information will be used to complete the value assessment.	Participants may elect to bring data sets from their Demand Response system to be used with the Big Data Tool.
Instructor	*Roger Rognli, Senior Program Manager* *Joe Childs, Senior Program Manager*	*Rodney Nibbe, Field Application Engineer* *Joe Childs, Senior Program Manager*
Workshop location	Nokomis A	Nokomis A
Breakfast 6:30-8:00 AM **Lunch** 12:00-1:00 PM	Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom

Monday, October 9 and Thursday, October 12, 2017
Radisson Blu-Mall of America, Bloomington, Minnesota

HOSPITALITY RECEPTION — Monday, 6:00-8:00 PM, Sky Bridge

MONDAY, October 9	**MONDAY,** October 9
Yukon Feeder Automation – basic software training	**CBC-8000 control configuration, installation and troubleshooting**
8:30 AM to 12:00 PM / lunch break / 1:00 PM to 4:30 PM	8:30 AM to 12:00 PM / lunch break / 1:00 PM to 4:30 PM
Participants will receive an in-depth look at the Yukon Feeder Automation (YFA) software with an overview of the latest feature additions, including: • A brief overview of the installation and licensing mechanism • Creating a diagram in VT&D • Editing the topology configuration • Editing the communications server configuration, including automation functions • Managing data points in VT&D Explorer • Automation behavior in various situations Attendees will participate in extensive hands-on training to maximize content retention.	We will cover the basics of the CBC-8000 hardware including available hardware options for installation and communication, programming through the front panel and with ProView™ NXG, and troubleshooting an installation including wiring issues and programming issues. Attendee feedback is welcome to focus the discussion. Laptop with latest version of ProView NXG is required, CBC-8000s will be provided.
At the end of this course, participants will: • Know how to navigate the Yukon Feeder Automation software • Know how YFA will react in various scenarios • Learn what basic troubleshooting steps to perform before calling support	At the end of the course, participants will understand: • The history and purpose of a capacitor in the power electric system • How to properly size a capacitor for the application • How placement of a capacitor affects the power electric system • The basics of the various switching criteria available along with benefits and risks of each criterion • How switching a capacitor on the power electric system can affect other devices • The local control options available in the CBC-8000, and when to use them, including voltage, VAR, current, temperature, and time of day control • How to use the abilities of a communicating CBC-8000 which includes collecting typical scan data as well as OTA settings changes, firmware updates, and downloads of logs/configuration files • How to program the CBC-8000 through the front panel or ProView NXG configuration software • Proper programming of the CBC-8000 for communications over serial or Ethernet, including how to reduce communications bandwidth with DNP3
None	Laptop with latest version of ProView NXG is required, CBC-8000s will be provided.
Dan Landreman, Product Manager *Charlene Erickson,* Product Manager	*Derek Gunther,* Field Application Engineer *Toyebi Adedipe,* Field Application Engineer
Nokomis C	Nokomis B
Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom

Course	**MONDAY,** October 9	**MONDAY,** October 9
	Substation automation secure networking (½ day session – morning)	**Advanced HMI and SCADA for grid automation (½ day session – afternoon)**
Duration	8:30 AM to 12:00 PM	1:00 PM to 5:00 PM
Overview	Participants are introduced to the general concepts of networking from a substation automation and Grid Automation perspective. The following topics will be covered in depth: • Network topologies: legacy, new, redundancy such as PRP/HSR, IEC 61850 architecture • Industry protocols (DNP3, Modbus, MMS, etc.) • Cybersecurity, encryption, security perimeter, firewall, secure protocols • DNP3 Secure Authentification • X.509 certificates Attendees will participate in extensive hands-on training to maximize content retention. *The course is intended for engineers and technicians involved in the process of specifying, selecting, installing, configuring, maintaining or operating substation automation and control systems.*	Participants are introduced to the general architecture and elements of HMIs and to configure, commission, maintain and troubleshoot SMP HMIs and Visual T&D. Detailed instructor-led examples, centered on relevant application problems. *The course is intended for engineers and technicians involved in the process of specifying, selecting, installing, configuring, maintaining or operating substation automation and control systems.*
Objectives	At the end of this course, participants will have: • Understanding of the threats to which the energy sector is exposed • Most popular substation network topologies • Understanding of the basic concepts of information security (Confidentiality, Integrity and Availability) • Familiarity with the applicable information security standards • Understanding of the best practices and technologies that are being used to make systems more secure	At the end of the course, participants will be: • Familiar with the complete suite of Visual T&D and SMP HMI tools • Able to set up, configure and deploy a complete Visual T&D project • Able to set up, configure and deploy a complete SMP HMI project • Able to efficiently design distributed or centralized HMI application for Yukon Feeder • Automation, smart sensor monitoring with Grid Server, substation HMI and SCADA
Prerequisites	Participants will need to bring a laptop to the training. Participants should have a basic knowledge of serial and Ethernet communications technologies as used in automation systems. Moreover, they should have a basic understanding of control system architecture and the communication protocols that are relevant to their projects.	Participants will need to bring a laptop to the training. Participants should have a basic knowledge of serial and Ethernet communications technologies as used in automation systems. Moreover, they should have a basic understanding of control system architecture and the communication protocols that are relevant to their projects.
Instructor	*Francois Turcotte*	*Jasmine Giroux-Maltais*
Workshop location	Harriet B	Lakes Ballroom - Salon C
Breakfast 6:30-8:30 AM **Lunch** 12:00-1:00 PM	Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom
Reception Hour 6:00-8:00 PM	Sky Bridge	Sky Bridge

MONDAY, October 9	MONDAY, October 9	MONDAY, October 9
Yukon software overview (½ day session – morning)	**Engineering overview of how the RF network works (½ day session – morning)**	**RF AMI troubleshooting techniques (½ day session – afternoon)**
8:00 AM to 12:00 PM	8:00 AM to 12:00 PM	1:00 PM to 5:00 PM
Participants will receive an overview of the Yukon software, including: • Review Yukon enhancements • Processes and tools to create, add and change devices • Reports available • Creation of billing file exports • Helpful administrator tips	This session will provide a technical overview of the RF Mesh network and how all the network components work together to form the network. Network design guidelines and methods for optimizing your network will also be included.	Expanded deep dive into troubleshooting your RF AMI network.
At the end of this course, participants will: • Learn how to use Yukon to commission the system • Learn what basic steps to perform in troubleshooting before calling support • Learn techniques in Yukon to troubleshoot and analyze data collection challenges	At the end the course, participants will understand: • The building blocks required for the RF mesh network • Different networks (mesh vs. tower) • How the RF mesh network forms • Network paths, links and hops, and the impact on the network performance • Network applications • Design guidelines for network optimization • Methods to assess the health of the network	
None	None	None
Stacy Nelson, David Sutton, Paul Heinl	*Raj Kapur*	*Ryan Behning*
Lakes Ballroom - Salon C	Lakes Ballroom - Salon D	Lakes Ballroom - Salon D
Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom
Sky Bridge	Sky Bridge	Sky Bridge

Course	**THURSDAY,** October 12	**THURSDAY,** October 12
	Energy market fundamentals: What they are and how they work (½ day session – morning)	**Smart Sensors/GridAdvisor Basics (½ day session – morning)**
Duration	8:00 AM to 12:00 PM	8:00 AM to 12:00 PM
Overview	The ISO Energy Markets operate in over half of the US continental territory and manage over 70% of the total power system load. This year, a group of utilities across several western states have proposed merging into the Southwest Power Pool. At this point, most Municipal and Cooperative utilities operate in energy markets through their G&Ts, PMAs or Energy Suppliers. However, the way that energy markets operate is making these entities change their programs so that they better match with the ISO rules. This training class will provide attendees with the knowledge of how the markets operate and provide references to resources to help distribution utilities understand their specific market programs. *The course is intended for utility personnel interested in the operation of energy markets and understanding the rules required to participate.*	Participants will have the opportunity to learn about the Eaton's smart sensor solution platform. The session will show the process to commission your GridAdvisor sensors and set up the Visual T&D custom visualizations.
Objectives	This training class will provide attendees with the knowledge of how the markets operate and provide references to resources to help distribution utilities understand their specific market programs.	At the end of each course, participants will: • Understand the smart sensor solution offerings available from Eaton • Understand the key programming parameters required for smart sensor communication and data gathering • Learn the commissioning steps to implement smart sensor platform • Learn how to use Visual T&D to set up the sensor visualizations for operator viewing • Learn techniques for analyzing and troubleshooting data
Prerequisites	None	None
Instructor	*Joe Childs, Senior Program Manager*	*Ryan Rausch, Product Manager*
Workshop location	Harriet A	Nokomis C
Breakfast 6:30-8:30 AM **Lunch** 12:00-1:00 PM	Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom

THURSDAY, October 12	THURSDAY, October 12	THURSDAY, October 12
Yukon Feeder Automation – Advanced software training (½ day session - morning)	**Itron meter training (½ day session – morning)**	**Honeywell meter training (½ day session – afternoon)**
8:00 AM to 12:00 PM	8:00 AM to 12:00 PM	1:00 PM to 5:00 PM
In this session, participants will receive training on Yukon Feeder Automation advanced software topics. This will include: • Advanced simulator features • Commissioning recommendations • Mixed simulations setup and lab environment • YFA log troubleshooting and remote log monitoring setup	In this session, participants will receive training on Itron's PC Pro+ software as well as the Itron Sentinel meter. This will include: • Overview of the Sentinel meter • Features available within the Sentinel Meter • Overview of Itron's PC Pro+ programming and configuration software • Hands on opportunity to program/configure a Sentinel meter • Overview of other Itron products offered in partnership with Eaton	In this session, participants will receive training on Honeywell's Metercat software as well as the Honeywell A3 meter. This will include: • Overview of the A3 meter • Features available within the A3 Meter • Overview of Honeywell's Metercat programming and configuration software • Hands on opportunity to program/configure an A3 meter
At the end of this course, participants will: • Know how to navigate the Yukon Feeder Automation software • Know how YFA will react in various scenarios • Learn what basic troubleshooting steps to perform before calling support	At the end of this course, participants will receive: • A better foundational knowledge of the Itron Sentinel Meter • A comfort level in working with PC Pro+ and configuring/programming a Sentinel meter	At the end of this course, participants will receive: • A better foundational knowledge of the Honeywell A3 Meter • A comfort level in working with Metercat and configuring/programming an A3 meter
None	None	None
Dan Landreman, Product Manager *Charlene Erickson, Product Manager*	*Benny Coker, Itron*	*Jason Denny, Honeywell*
Nokomis B	Nokomis A	Nokomis A
Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom	Lakes Ballroom Lakes Ballroom

Eaton's EAS Users Technical Showcase
Tuesday, October 10, 2017

Time	Tuesday, October 10
6:30-8:00 AM	**BREAKFAST** – Lakes Ballroom
8:00-8:45 AM	**Welcome and Kick-off of EAS's "Focus on the Customer" Initiative** – Lakes Ballroom, Salons A & B Ben Wallace, *General Manager*
8:45-8:55 AM	**Manufacturing Update** – Lakes Ballroom, Salons A & B Scott Staggert, *Director - Manufacturing & Operations*
8:55-9:30 AM	**State of the Energy Industry** – Lakes Ballroom, Salons A & B Rick Schmidt, *Industry Consultant*
9:30-10:10 AM	**BREAK** – Sky Bridge

Tues, Oct 10	Demand Response Sessions	Distribution Automation Sessions	Advanced Metering Infrastructure Sessions	Substation Automation Sessions	Yukon Sessions
Session Location	Nokomis A	Harriet B	Lakes Ballroom - Salon D	Harriet A	Lakes Ballroom - Salon C
10:10-11:00 AM	**DR roadmap** In this session we'll review industry and technology trends, as well as Eaton's Demand Response product line and product roadmap. The DR roadmap items include DR hardware advancements and Yukon software DR enhancements. *Ryan Brager*	**Distribution automation product roadmap highlights** We will review the roadmaps of the following DA technologies: Yukon Feeder Automation, Volt-Var Management, Capacitor Bank Controls, and Smart Sensors. *Dan Arden and Select Eaton Team Members*	**Eaton AMI 101** This session will provide an overview of Eaton's AMI solutions, the products currently available and an overview of the AMI product ordering process. *Dan Smock*	**Substation automation and integration technology highlights** Discussion of 'what's new?' and success stories for the following SA technologies: SMP Gateway, legacy RTU upgrades, Visual T&D, IED Manager Suite. *Eric Lebeau*	**Yukon software platform overview** Using Yukon software for a single function? Explore the platform and see how existing modules might solve challenges facing your utility. *David Sutton*
11:10 AM-12:00 PM	**Eaton distributed energy research projects** Review Eaton R&D activity in the area of distributed energy resource management. Our discussion will include smart water heater control, battery storage and automatic solar disconnect. *Joe Childs, Roger Rognli, Ryan Brager*	**Westar Energy: Automation and Analytics on Distribution Assets** Distribution assets provide increasing volumes of data as technology evolves. Westar Energy has a philosophy that the utility should own and understand this data such that it can be utilized to increase efficiency and reliability of daily operations. This presentation will outline some of the background of Westar's Distribution Automation programs, technologies that were selected and why, deployment of those technologies, analytics and utilization of the data, and some potential future strategies. *Matt Bult, Westar Energy*	**Eaton RF Mesh 101** Join us for an introduction to Eaton's RF Mesh network and how it works. We'll also review AMI, DR, and DA applications that Eaton supports and a few of the benefits this technology can offer to your utility. *Michael Sharp*	**SC-2200 Substation Server overview and applications** Overview and discussion on today's and future server nased virtual applications and architecture. Overview Eaton's new Substation Server solution. *Francois Turcotte*	**What's new with Yukon software?** Tired of reading release notes? Stop by to hear the highlights of recent and upcoming releases. *David Sutton*
12:00-1:00 PM	**LUNCH** – Lakes Ballroom, Salons A & B

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Tues, Oct 10	Demand Response Sessions	Distribution Automation Sessions	Advanced Metering Infrastructure Sessions	Substation Automation Sessions	Yukon Sessions
Session Location	Nokomis A	Harriet B	Lakes Ballroom - Salon D	Harriet A	Lakes Ballroom - Salon C
1:00-1:50 PM	**Vendor panel: Techniques to expand DR enrollment** Most utilities reach a threshold where DR and EE program enrollments begin to plateau. Learn how utilities are using innovative approaches to increase enrollments in their DR & EE programs. The panel of experts work with utilities across the country to increase enrollments in programs and minimize enrollment costs. *Danielle Marquis, GoodCents* *Joel Schofield, Door to Door*	**Keeping up with the Security Joneses** Is more better? As it pertains to security, the industry is moving that way. This session will provide an update on security requirements Eaton has received from customers over the last 12 months. *James Formea*	**Customer case study: Implementing electric, water and DR over a single RF Mesh network** This customer case study will focus on implementing electric, water and demand response over a single RF Mesh network.	**Fully managing your field devices with a Device Lifecycle Management solution** Grid modernization implies deploying hundreds or thousands Intelligent Electronic Devices (IEDs). Maintaining these devices can be costly unless a centralized, secure and efficient solution is used. *Francois Turcotte*	**Helpful hints I** A look at some of the new AMI features and updates in Yukon software from the last few years. Explore ways to use Yukon software to its full potential and maximize the benefits for your utility. Learn something new or remind yourself of the tools you always meant to use! This is part 1 of a two hour Helpful Hints session. *Michael Sharp*
2:00-2:50 PM	**Customer case study: Rocky Mountain Power presentation** Rocky Mountain Power is collecting runtime and shed time for 108k devices. They have segmented their DR customers into single family, multi-family and commercial. In addition, the program started with True Cycle I and changed to True Cycle II. This session will present the analysis of the interval data from the LCRs and compare performance between TCI and TCII. *Joe Childs*	**Piedmont Bushing Line Post Sensors** Applications of Magnetic Core Line Post Sensors and the associated successes and challenges. *Michael Sexton Piedmont*	**Customer panel: implementing RF AMI at a municipality** Attend this customer panel on implementing RF AMI from a municipal utility's perspective. *Customer Panel*	**Leveraging Eaton's Grid Automation platform to implement Asset Management solutions** Asset Management based solutions, such ad predictive maintenance applications, are getting a lot of tractions and are easy to justify even if one is only looking at the associated cost savings. Implementing such a solution requires a strong and reliable infrastructure providing access to the field data. *Jasmin Giroux-Maltais*	**Helpful hints II** This is part 2 and a continuation of the Helpful Hints session, with time for questions and opportunity to look in detail at how some of these features work in Yukon. *Michael Sharp*
2:50-3:10 PM	**BREAK** – Sky Bridge				
3:10-4:00 PM	**Customer panel: Power supply and distribution shared control** This session features a panel discussion of how power suppliers are using the Eaton Demand Response systems to manage their and the distribution customers' peaks. *Brad Lingen, Missouri River Energy Services* *Tony Vincik, Allegheny Electric Cooperative, Inc.*	**YFA year in review** This session will review in detail the improvements made to the YFA product during the 2016-2017 development cycle. Covered specifically in the presentation will be notes from Releases 2.1R5 to 2.1R10 and 2.2R1. *Dan Landreman*	**Engineering and operations panel** This panel discussion with utility personnel will cover topics such as outage management, voltage monitoring, distribution automation, and other engineering and analysis tools. *Jim Roche*	**SMP Gateway's Roadmap/user group** Conduct users forum with those present and remotely via WebEx. Includes SMP Gateway roadmap. *Eric Lebeau*	**What's up next in Yukon software? Let's discuss!** Examine previous requests and what features you want most. Open discussion with software and technical services. *David Sutton, Stacey Nelson, Tech Services*

2017 Eaton's EAS Users Technical Showcase Schedule

Tues, Oct 10	Demand Response Sessions	Distribution Automation Sessions	Advanced Metering Infrastructure Sessions	Substation Automation Sessions	Yukon Sessions
Session Location	Nokomis A	Harriet B	Lakes Ballroom - Salon D	Harriet A	Lakes Ballroom - Salon C
4:10-5:00 PM	**Customer panel: Using RFN to control a mature DR program** Join the discussion with utilities on how they transitioned from control strategies on their legacy systems to control strategies with the Eaton RF Mesh system. *Mike Rudolph, Wright-Hennepin Energy* *David Evans, City of Wadena, MN*	**Eaton's Capacitor Bank Control: Product plans** Ever need a DNP3 Master in a Capacitor Bank Control? Are you wondering why? Join Eaton's Capacitor Bank Control presentation to learn the new features soon to be available in the CBC-8000 and view a DNP3 digital 15kv – 35kv Medium Voltage sensor demonstration. *Troy Hedlund*	**AMI - Top 10** In this session, we'll review the Top 10 most common AMI support call topics. *Support*	**IED Manager Suite's Roadmap/user group** Conduct users forum with those present and remotely via Webex. Includes IED Manager Suites roadmap. *Francois Turcotte*	**Software integration panel** Join us for a panel discussion with users who are experienced in working with multiple Yukon integrations to CIS/billing, MDM, OMS, prepaid, and consumer portal systems. *Customer Panel*
5:10-6:00 PM	**BREAK**				
6:00-7:00 PM	**DINNER** – Lakes Ballroom, Salon A & B				
7:00 PM-12:00 AM	**GAME WORKS** – Game Works				

Time	Wednesday, October 11				
	Demand Response Sessions	Distribution Automation Sessions	Advanced Metering Infrastructure Sessions	Substation Automation Sessions	Yukon Sessions
Session Location	Nokomis A	Harriet B	Lakes Ballroom - Salon D	Harriet A	Lakes Ballroom - Salon C
7:00-8:30 AM	**BREAKFAST** – Lakes Ballroom, Salon A & B				
9:00-9:50 AM	**DR industry update** Eaton attends a number of conferences and meetings annually. In this session, we will present some of the successful utility program innovations from these meetings. We will cover program design, customer engagement, and learnings from program delivery. *Joe Childs*	**Security hardening of a YFA server** This session will cover the general steps required to perform the security hardening recommend for a YFA production server and the methodologies for all steps. Discussion will focus on the reasons behind the recommendations. Other security features within YFA will also be reviewed. *Dan Landreman*	**Event and alarm data** This session will provide an overview of alarms and event data that can be obtained from your AMI system. *Ryan Behning*	**Visual T&D Roadmap/user group** Conduct users forum with those present and remotely via WebEx. Includes Visual T&D roadmap. *Reza Deghan*	**Working with outages** Learn how to use the functions in Yukon software to set up, collect, monitor and analyze the outage data available from the AMI system. Integration methods with OMS vendors will also be discussed. *Stacey Nelson*

Radisson Blu-Mall of America, Bloomington, Minnesota

Wed, Oct 11	Demand Response Sessions	Distribution Automation Sessions	Advanced Metering Infrastructure Sessions	Substation Automation Sessions	Yukon Sessions
Session Location	Nokomis A	Harriet B	Lakes Ballroom - Salon D	Harriet A	Lakes Ballroom - Salon C
10:00-10:50 AM	**AgSense presentation** Overview of AgSense technology and how it can be leveraged through Yukon. *Terry Schultz*	**Micatu optical sensors** An overview of optical sensor solutions for your distribution system. *Michael Oshetski, Micatu*	**Customer panel - functionality and operational differences in a blended network** Functionality and operational differences seen within a blended network (adding RF into your PLC deployment). *Customer Panel*	**Reliable and secure Grid modernization using latest state of the art SMP SG-4000's capabilities** Grid modernization implies reliability and cybersecurity. Discussion on the use of redundant networking schemes (including PRP/HSRs network redundancy solution). What they are, how to implement them, what benefits they can bring you. *Eric Lebeau*	**Maximizing your data exports** More than just billing files! Understanding the fundamentals of data exports and how to use them to their fullest potential for valuable data analysis. *Sara Tetrick* *Ryan Behning*
10:50-11:10 AM	**BREAK** – Sky Bridge				
11:10-12:00 PM	**Energy management circuit breaker pilot** Eaton will share what they've learned from the EPRI circuit breaker trial and their plans for using the trial results. *Ron Thompson*	**Hold the lettuce special orders don't upset us: Enhancing CBC 8000 product out of box experience** We will explore value added optional ordering capabilities to simplify your effort and reduce time to deployment. *Toyebi Adedipe*	**The Role of Fiber-to-the-Premises (FTTP) with AMI and other Smart Grid Initiatives** Many municipal electric utilities and rural electric cooperatives are exploring the potential to construct fiber to support core electric utility needs and facilitate the availability of broadband to their customers and consumers. This session will discuss the relationship of fiber (both middle mile and FTTP) for AMI and other smart grid initiatives and a range of broadband business models, costs, and risks. *Tom Asp, Industry Consultant, CTC Technology & Energy*	**Ad hoc SA user panel** Discussion on key SA topics: • IT/OT convergence • Emerging standards • Microgrid/DG/Renewables • Modernization projects pace • What new smart grid technologies are you currently evaluating? 2-3 years from now? • What can suppliers do better? *SA Team*	**Managing device configurations** Use Yukon's device configuration tool to program PLC and RF meters. Learn best practices and tips for organizing mass system changes. Expected results using the tool and future improvements will also be covered. NOTE: Please see Thursday vendor sessions for training on programming polyphase-meters using MeterCat and PCPro+. *Sara Tetrick*
12:00-1:00 PM	**LUNCH** – Lakes Ballroom, Salon A & B				

2017 Eaton's EAS Users Technical Showcase Schedule

Wed, Oct 11	Demand Response Sessions	Distribution Automation Sessions	Advanced Metering Infrastructure Sessions	Substation Automation Sessions	Yukon Sessions
Session Location	Nokomis A	Harriet B	Lakes Ballroom - Salon D	Harriet A	Lakes Ballroom - Salon C
1:00-1:50 PM	**Introduction to Yukon Demand Response** Participants will be introduced to the technical and functional capabilities for Demand Response, including how to set up Yukon for Demand Response, configuring load groups and load programs, and using Yukon to manage demand response events. *Dennis Faust, Mitch Isler, Rodney Nibbe*	**IMS GridAdvisor/CBC-8000 customer service install/deployment experience** Distribution utilities are looking to Eaton for solutions to manage their growing fleet of intelligent devices. Come listen as we share experiences from deploying the IED Manager Suite at several utilities to manage GridAdvisor Series II sensors and CBC-8000 controls, including project drivers, system architecture, and new business processes around standing up and using such a system. *Prosper Zoumanigui*	**RF Mesh deployment** This session highlights best practices for planning, implementing and deploying your AMI RF Mesh network. *Tom Fairchild, Mark Harkins & Adam Hassig*	**Next generation I/O requirements** A discussion of distributed I/O architecture and requirements for the future. The following topics will be included: remote access, commissioning tools, communication and wiring options. *Eric Lebeau*	**Enhanced mapping features** Using latitude and longitude coordinates in Yukon software for enhanced visual displays of endpoints. Functionality previously found in Network Manager is now available in Yukon; neighbors, primary routes, and parent nodes (for battery endpoints). This functionality is available for electric and water meters, RF relays, and RF gateways. *Paul Heinl*
2:00-2:50 PM	**Distribution system load control** As utilities are working to get more value from their Demand Response systems they are looking to distribution control. This presentation will describe how two large utilities are approaching that opportunity. *Jon Dayton*	**GridAdvisor Series II integration with Bluetooth wireless access point** In this session, we will explain functionality available in GridAdvisor Firmware v1.6 that supports DNP polling via its Bluetooth radio and allows integration to any communication network via a Bluetooth Wireless Access point. Find out how you can now talk to these smart sensors over Eaton's RF Mesh Network! *Ryan Rausch Michael Sharp*	**Field troubleshooting** Learn about best practices for troubleshooting your RF AMI Mesh network from the office and the field. *Ryan Behning*	**Legacy RTU upgrades – Lessons learned** A discussion around legacy RTU upgrades. Available strategies, options and lessons learned. *Reza Deghan*	**CSR panel** Panel discussion from utility personnel on Customer Service (CSR) topics. *Customer Panel*
2:50-3:10 PM	**BREAK** – Sky Bridge				
3:10-4:00 PM	**Controlling a mini-split systems** The saturation of Mini-split air conditioners across the US is increasing. In this session we will report on the manufacturers response to our ideas about controlling the power to the outside unit as well as some of the design requirements for that control. Some economic aspects of control will also be discussed. *Roger Rognli*	**Automating YFA management with PowerShell** This session will go over using PowerShell to automate management of YFA servers. Discussion will include configuring settings, automatically restoring from a backup, and scripted simulator testing for easier upgrades. *Charlene Ericson*	**PLC round table** This session allows a forum for utility customers to ask your Power Line Carrier questions to experienced Eaton Team Members.	**SCADA package for smaller utilities** Join us for an introduction to SCADA package for cooperatives and municipalities. Learn how substation automation technologies can be successfully applied to smaller utilities. This solution can also be a perfect add-on to an Eaton AMI deployment. *Jasmin Giroux-Maltais*	**Eaton Wireless (ELPRO) product offering session and customer case study** Provo RF AMI Backhaul case study. *Brian Cunningham*

The Franklin Energy Group

Franklin Energy

RESOURCE ACTION PROGRAMS

GoodCents

Honeywell

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Notes:

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