

SUBSTATION PHYSICAL SECURITY BEST PRACTICES

July 23-24, 2018
Millennium Knickerbocker Hotel
Chicago, IL

“

“Very in-depth, top notch program.”

Facility Planning Engineer,
Robert E. Lamb, Inc.



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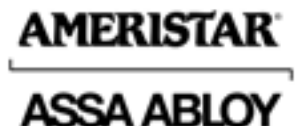
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OBSERVATION
WITHOUT
LIMITS



OVERVIEW

Protecting the nation's electric substations and ensuring a reliable supply of energy are top priorities for the electric power industry. The sheer vastness and in some cases, remoteness, of the infrastructure requires that utilities prioritize facilities that, if damaged, would have the most severe impacts on reliability and the utilities ability to keep the lights on.

EUCI's physical security best practices conference will review preparation, prevention, resiliency plans for substations and examine the effectiveness of security measures while reviewing the potential impacts to operations and maintenance of these substations. Substation case studies will be reviewed as well as detailed recommendations for the ultimate perimeter protection of substations.

LEARNING OUTCOMES

- Review the Department of Homeland Security's keynote remarks on the state of utility security
- List the steps to a holistic security approach for unique substations characteristics
- Describe some experiences in transitioning to event-based security
- Review a comprehensive list of steps for commissioning a security system
- Define the aspects of the latest generation of compact radar technology for substations
- Engage in a panel discussion on challenges facing substation security
- Review Exelon's efforts and lessons learned on substation security
- Discuss and review lessons learned on a utility's challenges faced in retrofitting existing stations
- Describe in detail the benefits to public private relationships in utility security at substations



"Very beneficial to experience real time issues from industry professionals."

Security Supervisor,
Lansing Board of
Water & Light



"EUCI provides not only best practices but solid tips and benefits for serving our nations electrical grid. With the everchanging landscape of technology and threats, EUCI provides industry leaders knowledge to implement solid solutions to keep you safe."

Director US Operations, CIAS Security



"Great opportunity to network and share best practices."

Communications, Dominion

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AGENDA

MONDAY, JULY 23, 2018

8:00 – 8:30 am	Registration and Continental Breakfast
8:30 – 8:40 am	Welcome Remarks
8:40 – 9:30 am	Keynote Presentation <i>Agency Representative, Department of Homeland Security, Officer of Infrastructure Protection</i>
9:30 – 10:30 am	Substation Physical Security: A Leading Edge Outside traditional fencing and locks, substation security has largely remained an afterthought and unchanged until the introduction of Critical Infrastructure Protection (CIP) in 2009. CIP brought about a new way to look at substations as did CIP-014 six years later. Today, we look at all substations as they should be, the leading edge of the utilities in a diverse and ever-changing world vulnerable to a host of risks. Those same risks however, exist throughout physical security and need to be included in a holistic approach keeping substations' unique characteristics at the forefront. <ul style="list-style-type: none"> • A brief history of security vs. compliance at substations • Technology advancement for systems (changes during beginning a program and years later when it might be complete). • Impact of NERC Requirements for Physical Security for Low Impact Substations • Posture of CIP 14 substations, how is the level of security different/CIP 14 Physical Security plans • Security Strategy Development – As our threat environment gets more and more diverse both in actors as well as methods, a well thought out and scalable security strategy is a must <i>Blake Beale, Manager, Physical Security Compliance and Security Systems, Xcel Energy</i>
10:30 – 11:00 am	Networking Break
11:00 am – 12:00 pm	Event-Based Layered Security for Electric Utilities Electric utilities today are evolving the way physical security solutions are envisioned, integrated, and used. This presentation will share experiences with utility industry leaders in transitioning to event-based (not continuous monitoring-based) security using technologies well integrated to provide multiple layers of surveillance in which each layer fills gaps not fully addressed by other layers. <i>Mike Stokes, President, Observation Without Limits, LLC</i> <i>Neil Marbut, Substation Services Manager, Alabama Power Company</i>
	
12:00 – 1:00 pm	Group Luncheon
1:00 – 2:00 pm	Substation Physical Security Commissioning Expectations from security integrators and installation vendors prior to commissioning. Overview of testing system testing and checks in the commissioning process. What to expect post commissioning and lessons learned. <i>Tom Positano, Physical Security Systems Analyst, Exelon</i>
2:00 – 3:00 pm	Compact Radar Solutions for Substation Security Enhancement High security applications include layers of protection. This session will cover applications of the latest generation of compact radar technology to solve security needs for substations. <i>Rod Hurley, North American Sales Manager, Fiber SenSys, Inc.</i> <i>John Hunsucker, Applications Engineer, SpotterRF</i>
3:00 – 3:30 pm	Networking Break

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AGENDA

MONDAY, JULY 23, 2018 (CONTINUED)

3:30 – 4:45pm **Panel Discussion on Challenges Facing Substation Security**
Brian P. Kelley, Vice President – Power Delivery Group, Sargent & Lundy
Blake Beale, Manager, Physical Security Compliance and Security Systems, Xcel Energy
Mike Stokes, President, Observation Without Limits, LLC
Tom Positano, Physical Security Systems Analyst, Exelon
Mark Kirby, Market Manager, Power Utility, Ameristar Perimeter Security

TUESDAY, JULY 24, 2018

8:00 – 8:30 am **Continental Breakfast**

8:30 – 9:30 am **Substation Security Best Practices**
Review Exelon's efforts and lessons learned on substation security.

- Security Vulnerability Assessments
- Design Approach, Systems Integration, Monitoring, Maintenance
- NERC implications (CIP6 and CIP14)
- Public private partnerships (Local, State, Infragard, E-ISAC, ECTF, etc.)

Tom Elward, CPP, Security Specialist, Infrastructure Protection Corporate & Information Security Services, Exelon Corporation

9:30 – 10:30 am **A Utility Case Study on Improving Substation Security**
This presentation will discuss, and review lessons learned on a utility's challenges faced in retrofitting existing stations with security to meet regulations and owner requirements.
Brian P. Kelley, Vice President – Power Delivery Group, Sargent & Lundy
Invited Utility Speaker

10:30 – 11:00 am **Networking Break**

11:00 am – 12:00 pm **Public Private Partnerships for Enhanced Substation Security**
This presentation will discuss in detail the benefits to public private relationships in utility security including security at substations. Some of the agencies and programs discussed will be Infragard, Local and State, E-ISAC, ECTF, and more.
Agent Representative, Federal Bureau of Investigation
Tom Elward, CPP, Security Specialist, Infrastructure Protection Corporate & Information Security Services, Exelon Corporation

12:00 pm **Adjournment**

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INSTRUCTIONAL METHODS

Case studies, PowerPoint presentations, and group discussion will be used in this event.

REQUIREMENTS FOR SUCCESSFUL COMPLETION

Participants must sign in/out each day and be in attendance for the entirety of the conference to be eligible for continuing education credit.

REGISTER 3, SEND THE 4TH FREE

Any organization wishing to send multiple attendees to this conference may send 1 FREE for every 3 delegates registered. Please note that all registrations must be made at the same time to qualify.

IACET CREDITS



EUCI has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, EUCI has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

EUCI is authorized by IACET to offer 0.9 CEUs for this conference.

EVENT LOCATION

A room block has been reserved at the Millennium Knickerbocker Hotel, 163 E Walton Place, Chicago, IL 60611, for the nights of July 22-23, 2018. Room rates are \$189 plus applicable tax. Call **1-312-751-8100** or [click here](#) for reservations and mention the EUCI event to get the group rate. The cutoff date to receive the group rate is June 24, 2018 but as there are a limited number of rooms available at this rate, the room block may close sooner. **Please make your reservations early.**

SPONSORSHIP OPPORTUNITIES

Do you want to drive new business through this event's powerful audience? Becoming a sponsor or exhibitor is an excellent opportunity to raise your profile before a manageably sized group of executives who make the key purchasing decisions for their businesses. There is a wide range of sponsorship opportunities available that can be customized to fit your budget and marketing objectives, including:

- Platinum, gold, or VIP sponsor
- Reception host
- Networking break host
- Tabletop exhibit
- Workshop sponsor
- Lanyard sponsor
- Luncheon host and Breakfast host

Please contact Keith Clark at kclark@euci.com or 720-988-1238 for more information.

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REGISTRATION INFORMATION

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PLEASE SELECT

SUBSTATION PHYSICAL SECURITY BEST PRACTICES CONFERENCE

JULY 23-24, 2018: US \$1395

Early bird on or before July 6, 2018: US \$1195

**I'M SORRY I CANNOT ATTEND, BUT PLEASE EMAIL ME
A LINK TO THE CONFERENCE PROCEEDINGS FOR US \$295**

ENERGIZE WEEKLY

EUCI's Energize Weekly e-mail newsletter compiles and reports on the latest news and trends in the energy industry. Newsletter recipients also receive a different, complimentary course presentation every week on a relevant industry topic. The presentations are selected from a massive library of more than 1,000 current presentations that EUCI has gathered during its 30 years organizing courses.

Sign me up for Energize Weekly

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name

Job Title

Company

What name do you prefer on your name badge?

Address

City

State/Province

Zip/Postal Code

Country

Phone

Email

List any dietary or accessibility needs here

CREDIT CARD INFORMATION

Name on Card

Billing Address

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Billing City

Billing State

Exp. Date

Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)

Billing Zip Code/Postal Code

OR Enclosed is a check for \$ _____ to cover _____ registrations.

Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before June 22, 2018 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices at 303-770-8800. EUCI reserves the right to alter this program without prior notice.

