

ELECTRIC DISTRIBUTION SYSTEM PLANNING & OPTIMIZATION

April 6-8, 2021
Online | Central Time



“This was a great course, great information on distributed generation integration!”

Distribution Tech, Midstate Electric Coop



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Optimizing distribution system assets is a more difficult task as distributed energy resources become a bigger player on the distribution system. Analyzing load data is essential to developing an effective forecast. This course will take attendees through traditional distribution system planning practices and move quickly into modern and future trends to be considered. Practical examples and case studies will compare a variety of capacity planning solutions (short term planning). Long term planning topics include spatial analysis and the effects of higher distribution voltages.

The course dives deep into distributed generation, providing descriptions and categorizing them with respect to their dispatchability along with other qualities. Energy storage (including EVs) has an even greater set of issues, specifically whether these devices are a source or load. System modeling must take all these components into account to create a homogenous plan for the distribution system.



EUCI is authorized by IACET to offer 1.7 CEUs for the course. Participants must log on each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

LEARNING OUTCOMES

- Review the load data industry trend – history, present day, tomorrow
- Discuss system growth – Existing customer vs. new business
- Identify sources of load profile data
- Review load forecasting rules of thumb and other assumptions
- Assess calculating loss of life due to overload for critical equipment
- Discuss the effect of system losses with regard to voltage profile and power quality
- Review options to resolving capacity issues
- Identify long term planning for substation location and capacity
- Review distributed generation classifications
- Discuss sustainability of solar generation
- Review energy storage systems
- Discuss integrating distributed energy resources
- Define microgrid, characteristics and applications

INSTRUCTOR

David Farmer, PE, *Director of System Planning Y Grid Technologies, Pike Engineering*

To Register Click Here, or

Mail Directly To:

PMA Conference Management
405 Highview Rd
Englewood NJ 07631
201 871 0474
Fax 253 663 7224
register@pmaconference.com

ONLINE DELIVERY & PARTICIPATION DETAILS

EUCI will use Microsoft Teams to facilitate participation in the upcoming event. Attendees do not need to have an existing Teams account to participate in the broadcast. The course will play in attendee's browser. When attendees sign on, their microphones are typically muted. Attendees should keep their mic muted until such time as it's needed to ask a question. During the event, participants will have the option of using a microphone to speak with the room and ask questions, or type in any questions via the chat window and our online administrator will relay your question to the instructor.

- Each attendee will receive an event invitation by e-mail, which will include one link to sign on for each half-day of the event (i.e., three links for a 1 ½ day event). The appropriate link must be used to join each half-day event segment at the appropriate time.
- The remote meeting connection will open approximately 30 minutes before the start of the course. We encourage attendees to connect as early as possible in case of unforeseen problems.

ELECTRIC DISTRIBUTION SYSTEM PLANNING & OPTIMIZATION ONLINE COURSE:

APRIL 6-8, 2021: US \$1,995 (Single Connection)

PACK OF 5 CONNECTIONS: US \$7,980 (20% Discount)

PACK OF 10 CONNECTIONS: US \$13,965 (30% Discount)

PACK OF 20 CONNECTIONS: US \$23,940 (40% Discount)

Recording: Each event is recorded, and will be available for three business days. For registrants only.

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

Print Name

Job Title

Company

Address

City

State/Province

Zip/Postal Code

Country

Phone

Email

CREDIT CARD INFORMATION

Name on Card

Billing Address

Account Number

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

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 March 5, 2021 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. EUCI reserves the right to alter this program without prior notice.