

# RESOURCE ADEQUACY METHODOLOGIES & TOOLKIT

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May 17 – 18, 2021 | Online



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Resource adequacy is one of the critical measures power system analysts use to model reliability of service – an essential requirement – for a utility or power system operator. The recent, storm-induced distress experienced by the grid across Texas and parts of the midwestern U.S. states underscored how important and difficult it is properly to assure such resource adequacy.

In this course, attendees will dive into multiple methodologies that simulate power conditions necessary to establish and maintain resource adequacy:

- Methods and metrics used to estimate system resource capacity
- Strategies for dealing with increased penetration of renewable energy resources
- System resource adequacy assessment “in real-time” before a modeling approach is finalized
- New techniques that engineers are evaluating to improve resource adequacy modeling efficacy



EUCI is authorized by IACET to offer 1.0 CEUs for the course and 0.4 CEUs for the workshop. 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 important role that properly assessing resource adequacy plays in ensuring reliability on a power system
- Examine the multiple methods and metrics used to estimate system resource adequacy
- Discuss NERC’s role in evaluating grid-level assessments to determine risk of load loss and how those reliability assessments must adapt to reflect changes brought on by renewable energy-induced and other system developments
- Evaluate methodologies for estimating capacity contributions of variable and duration (non-firm) resources
- Assess the outlook for capturing new grid requirements in updated resource adequacy measures
- Distinguish perspectives on a modeling spectrum for moving forward

## INSTRUCTORS

- **Eric Gimon**, *Senior Fellow, Energy Innovation*
- **John Moura**, *Director – Reliability Assessment and Performance Analysis, North American Electric Reliability Corporation (NERC)*
- **Nick Schlag**, *Director, Energy+Environmental Economics (E3)*
- **Erik Ela**, *Principal Technical Leader, Electric Power Research Institute*
- **Robin Hytowitz**, *Senior Project Engineer – Grid Operations & Planning, Electric Power Research Institute (EPRI)*
- **Eamonn Lannoye**, *Senior Project Manager & Managing Director, Electric Power Research Institute (EPRI)*

# PLEASE SELECT

# REGISTRATION INFO

**BUNDLE PACKAGE 1: INTEGRATED RESOURCE PLANNING (IRP) FUNDAMENTALS WITH POST-COURSE WORKSHOP: PRODUCTION COST MODELING AND RESOURCE ADEQUACY METHODOLOGIES & TOOLKIT WITH POST-COURSE WORKSHOP: EFFECTIVE LOAD CARRYING CAPACITY (ELCC) MODELING:**  
MAY 17 – 20, 2021: US \$2,995 (Single Connection)

**BUNDLE PACKAGE 2: INTEGRATED RESOURCE PLANNING (IRP) FUNDAMENTALS AND RESOURCE ADEQUACY METHODOLOGIES & TOOLKIT COURSE WITH POST-COURSE WORKSHOP: EFFECTIVE LOAD CARRYING CAPACITY (ELCC) MODELING:**  
MAY 17 – 20, 2021: US \$2,595 (Single Connection)

**BUNDLE PACKAGE 3: INTEGRATED RESOURCE PLANNING (IRP) FUNDAMENTALS AND RESOURCE ADEQUACY METHODOLOGIES & TOOLKIT ONLINE COURSES:**  
MAY 17 – 20, 2021: US \$2,195 (Single Connection)

**BUNDLE PACKAGE 4: RESOURCE ADEQUACY METHODOLOGIES & TOOLKIT ONLINE COURSE AND POST-COURSE WORKSHOP**  
MAY 19 – 20, 2021: US \$1,595 (Single Connection)

**RESOURCE ADEQUACY METHODOLOGIES & TOOLKIT COURSE ONLY:**  
MAY 19 – 20, 2021: US \$1,195 (Single Connection)

**PACK OF 5 CONNECTIONS:** US \$4,780 (20% Discount)

**PACK OF 10 CONNECTIONS:** US \$8,365 (30% Discount)

**PACK OF 20 CONNECTIONS:** US \$14,340 (40% Discount)

**POST-COURSE WORKSHOP ONLY: EFFECTIVE LOAD CARRYING CAPACITY (ELCC) MODELING**  
THURSDAY, MAY 20, 2021: US \$495 (Single Connection)

## Mail Directly To:

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OR, scan and email to: [conferences@euci.com](mailto:conferences@euci.com)

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All other discounts do not apply to license packs.*

**See website for online course delivery & participation details**

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## CREDIT CARD INFORMATION

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**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 April 16, 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 at 303-770-8800. EUCI reserves the right to alter this program without prior notice.

