ANCILLARY SERVICE SCHEDULE 2: REACTIVE POWER REVENUE REQUIREMENTS

October 13, 2016
EUCI Offices
4601 DTC Blvd, Ste. 800
Denver, CO

EUCI is authorized by IACET to offer 0.4 CEUs for the workshop.
EUCI is authorized by CPE to offer 0.5 credits for the workshop.
OVERVIEW

FERC recommends use of the AEP Method to support revenue requirements for Ancillary Service Schedule 2: Reactive Supply and Voltage Control from Generation Sources Service. Most generators are required to have the capability to support voltage on the transmission network as a condition of interconnection. Transmission providers that compensate any generators for reactive supply must comparably compensate the owners of all such reactive supply resources under the Open Access Transmission Tariff Ancillary Service Schedule No. 2 - Reactive Supply and Voltage Control from Generation and Other Sources Service. Find out if your resources are eligible for payments, how much and how to get that revenue stream started or increased. This class will cover techniques for evaluating four potential components for the costs providing voltage support to the grid.

Learn, from Dennis Bethel one of the rate experts that created the AEP Method, what generator reactive power is and how to price it.

WHO SHOULD ATTEND

- Utility regulatory analysts, rate counsel, generation or merchant employees
- Independent Power Producer staff, project managers, counsel
- Municipal, Cooperative and other transmission customers that need to manage transmission-related costs

LEARNING OUTCOMES

- Discover what you need to know about Ancillary Service 2
- Identify if you are providing free service when you could be getting paid
- Examine if you’re getting full value from your payments
- Discuss how to establish, or maximize regular monthly payments from the local transmission service provider for the reactive power (voltage support) service that your generators must provide to the transmission network.*
- Discover how much you’re paying for Ancillary Service Schedule 2, and how to determine if it might be too much

* Does not apply in ERCOT or SPP, and may not be possible for exempted distributed generation, e.g., wind or solar.
AGENDA

Thursday, October 13, 2016

12:30 – 1:00 p.m.  Registration
1:00 – 5:00 p.m.  Workshop Timing

• What is “Reactive Supply and Voltage Control from Generation or Other Sources Service” or “Reactive Power Service” to save time and breath?
• Deriving a Levelized Fixed Charge rate
• Calculating the components of the Reactive Power Service revenue requirement:
  o Fixed Capability Component
    - Identifying and allocating Generator & Exciter costs
    - Identifying and allocating Accessory Electric Equipment
    - Identifying and allocating Generator Step-up Transformers
    - Allocating the Balance of Plant costs
  o Start-up Cost Component
  o Heating Loss Component
  o Opportunity Cost Component
• Putting it all together
• What do reasonable results look like?
• Q/A

INSTRUCTOR

Dennis Bethel / President / Bethel Electric Rate Consulting LLC

Dennis Bethel has over 35 years of experience with electric utilities. Recently retired from American Electric Power, he held positions of increasing responsibility culminating as the Managing Director, Regulated Tariffs, where he led the Division of AEP Regulatory Services and guided all aspects of cost of service analysis, rate design, and related regulatory case preparation and presentation for 11 regulated electric utilities. Prior positions at AEP include Manager and Director, Transmission and Interconnection Services; Senior Engineer, Interconnection Agreements; and Senior Rate Analyst, Rate Research and Design Division. Before joining AEP, Dennis served as a senior rate analyst and commercial and industrial services engineer with Indiana Michigan Power Company. He is often called upon as an expert witness in complex cases involving transmission, rate setting, and cost of service. He holds a bachelor of science in electrical engineering from the University of Evansville, is a graduate of the AEP Business Management program at The Ohio State University, and is a licensed professional engineer in Ohio and Indiana.
INSTRUCTIONAL METHODS

PowerPoint presentations will be used in this program.

REQUIREMENTS FOR SUCCESSFUL COMPLETION OF PROGRAM

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

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.

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Upon successful completion of this event, program participants interested in receiving CPE credits will receive a certificate of completion. EUCI is authorized by CPE to offer 0.5 credits for this program.

Method - Group-Live
Program Level - Beginner

EVENT LOCATION

EUCI Offices
4601 DTC Blvd Suite 800
Denver, CO 80237

NEARBY HOTELS

Hyatt Regency Denver Tech Center
7800 E Tufts Ave
Denver, CO 80237
Phone: 303-779-1234
0.4 miles from event location

Denver Marriott Tech Center
4900 S Syracuse St
Denver, CO 80237
Phone: 303-779-1100
0.7 miles from event location

Hilton Garden Inn Denver Tech Center
7675 E Union Ave
Denver, CO 80237
Phone: 303-770-4200
0.6 miles from event location

Hyatt Place Denver Tech Center
8300 E. Crescent Parkway
Greenwood Village, CO 80111
Phone: 303-804-0700
0.9 miles from event location

PROCEEDINGS

The proceedings of the course will be published, and one copy will be distributed to each registrant at the course.
ANCILLARY SERVICE SCHEDULE 2: REACTIVE POWER
REVENUE REQUIREMENTS
OCTOBER 13, 2016: US $595
EARLY BIRD ON OR BEFORE SEPTEMBER 23, 2016: US $495

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

Telephone                                      Email

List any dietary or accessibility needs here

CREDIT CARD

Name on Card                                          Account Number

Billing Address                                      Billing City                      Billing State

Billing Zip Code/Postal Code                        Exp. Date                        Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)

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 September 9, 2016 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 conference 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 (201) 871-0474.