2019 PLANT RETIREMENT
Lessons Learned on Comprehensive Project Execution

February 12-13, 2019
Hyatt Regency Lexington
Lexington, KY

FEATURING
Tour of East Kentucky Power Cooperative’s Dale Power Station

PRE-CONFERENCE WORKSHOP
Renewable Energy Development on De-Commissioned Plant Sites: A One-Day Workshop for Utilities, Other Power Plant Owner/Operators and Project Developers
MONDAY, FEBRUARY 11, 2019

POST-CONFERENCE WORKSHOP
Planning and Implementation of Power Plant Retirements
WEDNESDAY, FEBRUARY 13, 2019

HOST UTILITY
FERMA CORPORATION

SPONSORS

OVERVIEW

Environmental regulations have been a major force in changing the landscape of coal powered generation. Besides regulations, the economic influences of less demand and natural gas prices have further caused non-critical and aging plants to become no longer economically viable.

This annual conference will provide owners with the next step in the plant closure process by sharing vital information and lessons that have been acquired by the generation owners in this program. A separate preconference workshop will look at one option for a future use of closed sites in discussing Solar Development on Coal Ash Brownfields, while the conference will wrap up with a tour of East Kentucky Power Cooperative’s Dale Power Station followed by a separate post-conference workshop on the comprehensive planning and process that goes into closing a facility.

LEARNING OUTCOMES

- Review the regulations affecting the cleanup of the facilities and sites
- Discuss the progress made in Duke Energy’s demolition program
- Engage in a panel discussion on the continued challenges facing closure projects
- Review the decommissioning and demolition process for the EKPC’s Dale Station
- Be engaged during a walking tour of EKPC’s Dale Station under demolition
- Explore Consumer Energy’s challenges with closing seven of their facilities
- List the lessons learned during a complicated site cleanup
- Describe successful contracting strategies for closure projects

“The quality of the presentations was outstanding! The topics covered were very relevant and the information shared will be very helpful to me.”

Manager-Decommissioning, DTE Energy

“Hearing other companies talk about the decommissioning process and their “lessons learned” is a valuable resource to the newcomers in this type of work. Knowing what not to do helps guide us to knowing what to do.”

Senior Engineer, Santee Cooper

“Rather than a typical conference with consultants & contractors vying for client contacts/ opportunities, this conference provided great insight into major utility’s successes and best practices for plant decommission.”

Principal Engineer, Anchor QEA
AGENDA

TUESDAY, FEBRUARY 12, 2019

8:00 – 8:30 am  Registration and Continental Breakfast

8:30 – 8:35 am  Introductions

8:35 – 8:50 am  Welcome Remarks
    Mary Jane Warner, Director of Production Engineering & Construction,
    East Kentucky Power Coop

8:50 – 9:40 am  Regulations Affecting the Closure and Clean-up of Electric Generating Facilities
    Earlier regulations set in motion the forecasting of plant closures while economic forces have resulted in
    many of those closures. This presentation will be a comprehensive review of those regulations and any
    changes to them as well as the regulations affecting the cleanup of the facilities and sites.
    Daniel J. Deeb, Partner, Schiff Hardin LLP

9:40 – 10:30 am  Duke Energy Demolition Program Update and Lessons Learned
    This presentation will review the progress made in Duke Energy’s demolition program with a special
    focus on the Carolina’s and Florida work and share those case studies.
    Tim Hill, Regional General Manager CCP Operations and Maintenance & Plant Demolition, Western
    Carolina / Florida, Duke Energy

10:30 – 11:00 am  Networking Break

11:00 am – 12:30 pm  Panel Discussion: Facing the Challenges of Plant Closure
    This moderated answer and question session will dive into the various unknowns and challenges facing
    generation owners after closing a plant and options for what to do with the asset after it has ceased
    operations. Attendees should feel free to ask their questions of these expert panelists.
    Daniel J. Deeb, Partner, Schiff Hardin LLP
    Craig Johnson, Senior VP of Power Production, East Kentucky Power Coop
    Tim Hill, Regional General Manager CCP Operations and Maintenance & Plant Demolition, Western
    Carolina / Florida, Duke Energy
    Paul Conway, Estimating & Marketing Manager, GSD Companies
    Jeff Battaglia, Decommissioning Manager, Consumers Energy
    Joe Vendetti, VP Decommissioning & Demolition, Remedial Construction Services, LP

12:30 – 1:30 pm  Group Luncheon

“I really enjoyed the conference and have a much better understanding of all of the constituents needed to decommission/mothball a power plant.”

Sr. Business Analyst, Southern Company
AGENDA

TUESDAY, FEBRUARY 12, 2019 (CONTINUED)

1:30 – 2:15 pm
East Kentucky Power Coop Dale Station Decommissioning and Demolition Case Study
This presentation will walk through the decommissioning and demolition process for the EKPC Dale Station. It will cover:
- Why the decision was made to decommission Dale Station
- What upfront decommissioning work was performed by EKPC
- EKPC risk register analysis and community outreach process
- What upfront Owners Engineer assistance was needed
- How the demolition process has been managed and progress to date

David Meade, PE, Power Production Engineering, East Kentucky Power Coop
Chris Dowdell, D&D Project Manager, Burns and McDonnell Engineering

2:15 – 2:45 pm
Networking Break and Board Bus for Tour

2:45 pm
Bus Departs for Tour

2:45 – 5:15 pm
Tour of East Kentucky Power Cooperative’s Dale Power Station
2:45 pm Bus Leaves Conference Hotel
3:30 pm Tour Arrival, PPE Distribution
3:30 – 4:30 pm Tour
4:30 – 5:15 pm Return to Hotel

During this walking tour of the site, we will review demolition and site progress covering what steps were taken prior to and what will occur on site through to completion. Participants are requested to wear comfortable, closed-toe shoes and long pants. Other required PPE will be provided by the host.

Although there is no cost associated with the tour, we ask that you register so that we can plan accordingly for transportation.

5:15 – 6:15 pm
Networking Reception

“Very informative sessions and enjoyed the discussion.”
Plant Manager, Newfoundland Hydro/Nalcor Energy

“The conference is well attended by owners who have performed the work and they are willing to honestly share good & bad experiences.”
Business Development, Brandenburg

“An excellent conference to gain knowledge and share experiences with other stakeholders in the power industry.”
General Manager, Business Support & Administration, Jamaica Public Service
**AGENDA**

**WEDNESDAY, FEBRUARY 13, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 – 8:30 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:30 – 9:15 am</td>
<td><strong>Lessons Learned in Decommissioning</strong></td>
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<td>Consumers Energy shares their experiences over the past 7+ years planning for decommissioning, executing cold &amp; dark activities, and managing the demolition of 3 coal-fired power plant sites in Michigan.</td>
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<td><em>Amy Jenrow, Lead Decommissioning Engineer, Consumers Energy</em></td>
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<td></td>
<td><em>Jeff Battaglia, Decommissioning Manager, Consumers Energy</em></td>
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<tr>
<td>9:15 – 10:15 am</td>
<td><strong>Plant Abatement and Demolition – Lessons Learned from an Owner’s Engineer</strong></td>
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<td>This presentation will discuss the challenges faced in a full closure of a site and the lessons learned along the way. These valuable lessons will be shared in detail by the utility and their owner’s engineer giving you both perspectives.</td>
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<td><em>Invited Utility Speaker</em></td>
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<td><em>David Braungardt, Senior Associate - Environment &amp; Infrastructure Solutions, Wood</em></td>
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<tr>
<td>10:15 – 10:45 am</td>
<td>Networking Break</td>
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<tr>
<td>10:45 – 11:45 am</td>
<td><strong>Begin with the End in Mind</strong></td>
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<td>This presentation will discuss successful contracting strategies from a contractor’s perspective highlighting case studies of demolition projects and including EKPC’s Dale Station.</td>
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<td><em>Jeff Brim, Business Development Director, National Salvage &amp; Service Corporation</em></td>
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<tr>
<td>11:45 am – 12:00 pm</td>
<td>Conference Wrap-Up</td>
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<tr>
<td>12:00 pm</td>
<td>Conference Adjourns</td>
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“*This was a great introduction to and overview of utility experience in decommissioning and repurposing closed coal sites. I learned a lot for a new job role.”*

Sr. Program Manager, Wastewater Treatment, TVA

“*Presentations provided valuable information on a timely subject affecting the power industry.”*

General Manager, Wisconsin Public Service
PRE-CONFERENCE WORKSHOP

Renewable Energy Development on De-Commissioned Plant Sites:  
A One-Day Workshop for Utilities, Other Power Plant Owner/Operators and Project Developer

MONDAY, FEBRUARY 11, 2019

7:30 – 8:00 am  
Registration and Continental Breakfast

8:00 am – 4:45 pm  
Workshop Timing

OVERVIEW

With solar, wind and other renewable power now mainstream energy resources, the aggressive search for suitable greenfield sites has prompted savvy investors, project developers, suppliers and power organizations to consider sites with less conventional development characteristics. In fact, these blemished areas often turn out to be attractive siting options for renewable energy projects — especially if there is ready interconnection access. These locations become an even more attractive option if a utility controls the prospective development area and is looking to develop the site or partner with a third-party entity to do so. Even so, special considerations complicate de-commissioned plant site development as compared with greenfield locations.

This one-day symposium will examine the multiple aspects of developing renewable energy resources on de-commissioned plant sites that may previously have been the location for a coal, gas, nuclear or other facility. It will consider utility interconnection, engineering, permitting, environmental and regulatory, legal, risk and financing issues. Utilities, project developers, regulatory officials, investors and legal specialists with expertise in this very special arena will conduct the program, using case studies and examples from successful projects.

LEARNING OUTCOMES

Attendees will gain practical and technical skills that allow them to:

• Evaluate the site prospects for renewable energy re-development
• Assess and scope renewable energy project re-development options on utility de-commissioned plant sites
• Analyze the dollars and sense of renewable energy re-development on de-commissioned plant sites
• Examine, through a case study, the critical elements of utility de-commissioned site re-development
• Identify how a utility evaluates the renewable energy re-development options best for it
PRE-CONFERENCE WORKSHOP AGENDA

MONDAY, FEBRUARY 11, 2019

7:30 – 8:00 am  Registration and Continental Breakfast

8:00 – 8:15 am  Welcome and Introductions

8:15 – 9:45 am  Evaluating the Site Prospects for Renewable Energy Re-development on De-commissioned Plant Sites
• Site Characteristics
  o Demolition and disposition requirements
  o Remediation issues
  o Date of site availability
  o Buildability of site
  o Contour and drainage

9:45 – 10:00 am  Morning Break

10:00 am – 12:00 pm  Scoping Feasible Project Development Options
• Evaluating the suitability of different renewable energy development options
  o Wind
  o Solar
• Monetizing interconnection/injection rights
• Evaluating the project development and ownership options
  o Develop and own
  o Contract and lease

12:00 – 1:00 pm  Group Luncheon

1:00 – 2:30 pm  Understanding the Dollars and Sense of Renewable Energy Re-development on De-commissioned Plant Sites
• The Financial Driver: Tax Incentives
  o ITC/PTC
  o State tax concessions
• Other Financial/Transactional Considerations
  o Renewable Energy Credit (REC) values
  o Satisfying state RPS mandates
  o Regional carbon-reduction instruments
  o Rate recovery
  o Monetizing interconnection/injection rights

2:30 – 2:45 pm  Afternoon Break

2:45 – 3:45 pm  CASE STUDY: Critical Elements of Utility De-commissioned Site Re-development
• Project scoping
• Components and selection
• Essential Contracts
• Permitting and regulatory clearances
• Construction and development
• Commissioning
• Operation
MONDAY, FEBRUARY 11, 2019 (CONTINUED)

3:45 – 4:45 pm  How a Utility Determines the Renewable Energy Re-development Options Best for It
This segment will be a panel discussion of the subject matter experts discussing the key decision points that utilities must weigh and balance as they evaluate whether to re-develop renewable energy resources on de-commissioned power plants.

4:45 pm  Workshop Adjourns

PRE-CONFERENCE WORKSHOP INSTRUCTORS

Amanda Beck
Senior Project Manager, Sacramento Municipal Utility District (SMUD)

Amanda Beck is a Senior Project Manager for Sacramento Municipal Utility District, where she is responsible for managing the development of new energy resources at the utility. She has extensive experience in siting, permitting, contracting and construction of utility scale renewable projects. During her time at SMUD, Ms. Beck’s primary focus has been securing solar resources for SMUD’s community solar program, SolarShares. She has also been involved in re-development efforts associated with the utility’s de-commissioned Rancho Seco nuclear plant. Prior to her role at SMUD, she was responsible for permitting and compliance at First Solar from 2008-2012 and held progressively responsible positions in the environmental regulatory industry working with petroleum refining, energy production, military operations, biotech, and various manufacturing firms.

Rich Cogen
Partner, Nixon Peabody LLP

Richard Cogen is partner at the law firm Nixon Peabody LLP. He represents project sponsors, investors and lenders with respect to the development, financing, permitting, acquisition and sale of energy, renewable energy and solid waste projects. He is the former chair of the firm’s Energy and Environmental practice group and a member of the Firm’s Policy Committee. In the past few years, his expertise has assisted clients in acquiring, constructing and financing more than a billion dollars’ worth of solar energy projects and in developing large fossil fuel and wind electric generating facilities and electric transmission projects.

Andrew Conte
Senior Assoc, Gabel & Assocs

Andrew Conte is a Senior Associate of Gabel Associates. He has more than 10 years of environmental and energy consulting experience with particular expertise in energy efficiency and distributed generation project development, technical studies, and sustainability planning. Mr. Conte has extensive experience working with public and private sector clients. Mr. Conte supports renewable energy projects including RFP development and administration, proposal evaluation, contract negotiations, and performance monitoring. Prior to joining Gabel Associates, Mr. Conte was part of the outreach team for the NYSERDA Existing Facilities Program and Demand Management Program. In this role, he assisted non-profit institutions with evaluating and developing energy efficiency and storage projects for potential funding through these NYSERDA incentive opportunities. In addition, he has worked closely with local and county governments to create energy master plans, using an infrastructure baseline analysis.
PRE-CONFERENCE WORKSHOP INSTRUCTORS

Brian Morrissey
Managing Director, Citizens Solar

Brian Morrissey is a Managing Director at Citizens Solar, a division of Citizens Energy Corporation, a national developer and owner/operator of distributed generation and small utility scale solar projects. He founded Citizens' solar business in 2010 and is responsible for all solar related activities, including project origination, development, construction management, financing, and asset management. The company finances all of its projects with typical project finance structures and provides all sponsor equity for each portfolio. Prior to joining Citizens Energy Corporation, Mr. Morrissey was on the Global Power team at Cambridge Energy Research Associates (CERA), a leading energy consulting and research firm to international energy companies, governments, financial institutions, and technology providers. Before his tenure at CERA, Mr. Morrissey worked in GE Energy’s central marketing and strategy group, and was an officer in the U.S. Army.
POST-CONFERENCE WORKSHOP
Planning and Implementation of Power Plant Retirements

WEDNESDAY, FEBRUARY 13, 2019

12:30 – 1:00 pm   Registration
1:00 – 4:30 pm   Workshop

OVERVIEW

New, cheaper natural gas generation and increasing use of renewable energy sources have continued to precipitate the retirement of fossil-fuel power plants around the United States. This acceleration of retirements has forced utilities to determine the fate of these plants will be following shutdown. As the announcement are made, utilities must begin planning for decommissioning and either retirement-in-place or full demolition of these plants. The planning and implementation process present a unique challenge to utilities and plant operators. Successfully navigating the overall process to safely and cost effectively conduct the retirement activities requires a step by step approach.

Planning and implementation of the retirement process requires stepwise approach to: decide on the approach for retirement; determine the end use of the property; the development of a conceptual scope of work; coordination with utilities’ operations, environmental, security, safety, management and other stakeholders to finalize scope; and to conduct a bid process to hire a contractor to successfully complete the project.

This workshop is focused on presenting the steps in the process necessary to plan and implement the retirement process starting from the announcement of retirement to completion of the project.

LEARNING OUTCOMES

- Review the steps in pre-planning for a closure project
- List what is involved in the scope development
- Dive deeper into what is involved in project implementation
POST-CONFERENCE WORKSHOP AGENDA

WEDNESDAY, FEBRUARY 13, 2019

- Pre-Planning
  - Different approaches
  - End use determination
  - Financial considerations
- Scope Development
  - Regulatory and environmental factors
  - Environmental assessments
  - Asbestos and hazardous materials
  - Coordination with utility operations
  - Stakeholders finalizing scope
- Project Implementation
  - Bid process to hire a contractor
  - Coordination with utility operations
  - Security
  - Safety
  - Monitoring project progress
  - Project closure

POST-CONFERENCE WORKSHOP INSTRUCTOR

Jeffery L. Pope PE
Manager, Facility Decommissioning & Demolition Services,
Burns & McDonnell Engineering Co., Inc
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.

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 1.0 CEUs for the conference, 0.7 CEUs for the pre-conference workshop and 0.4 CEUs for the post-conference workshop.

REGISTER 3, SEND THE 4TH FREE

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

EVENT LOCATION

A room block has been reserved at the Hyatt Regency Lexington, 401 W High St, Lexington, KY 40507 for the nights of February 10 - 12, 2018. Room rate is $165 plus applicable tax. Call 1-800-233-1234 or click here for reservations. You must mention EUCI in order to get the special rate. The cutoff date to receive the group rate is January 21, 2019 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 Select

2019 Plant Retirement Conference and Both Workshops
February 11-13, 2019: US $2695
   Early bird on or before January 31, 2019: US $2495

2019 Plant Retirement Conference and One Workshop
(Make selection below)

Pre-Conference Workshop: Renewable Energy Development on De-Commissioned Plant Sites
Monday, February 11, 2019: US $2295
   Early bird on or before January 31, 2019: US $2095

Post-Conference Workshop: Planning and Implementation of Power Plant Retirements
Wednesday, February 13, 2019: US $1895
   Early bird on or before January 31, 2019: US $1695

2019 Plant Retirement Conference Only
February 12-13, 2019: US $1495
   Early bird on or before January 31, 2019: US $1295

Pre-Conference Workshop Only: Monday, February 11, 2019: US $995
   Early bird on or before January 31, 2019: US $895

Post-Conference Workshop Only: Wednesday, February 13, 2019: US $595
   Early bird on or before January 31, 2019: US $495

Yes, I would like to attend the optional tour of East Kentucky Power Cooperative’s Dale Power Station:
Tuesday, February 12, 2019
I'm sorry I cannot attend, but please email me a link to the conference proceedings for US $395

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

Account Number

Billing City

Exp. Date

Billing State

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.

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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 January 11, 2019 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.