



EUCG 2018

SPRING WORKSHOP

FINAL PROGRAM

APRIL 22-25 | HYATT REGENCY SAN ANTONIO | SAN ANTONIO, TX



EUCG 2018 SPRING WORKSHOP

APRIL 22-25
HYATT REGENCY SAN ANTONIO
SAN ANTONIO, TX



Dear EUCG Colleagues,

On behalf of the EUCG Board of Directors, we welcome you to the 2018 Spring Committee Workshops at the Hyatt Regency San Antonio in San Antonio, Texas. We are excited to be in this colorful city as it celebrates its historic tri-centennial.

The Committee Chairs and their teams have worked very hard to assemble interesting and engaging presentations and discussion topics for this workshop. We want to again give a special thanks to the members of our Workshop Task Team for the integral role they have played in putting together all aspects of this workshop. While we know most of you are here to attend a specific committee workshop, we encourage you to take a look at all the committee schedules. You may find a topic of interest for you or another member of your company, and we invite you to sit in on any of the sessions.

We are thrilled to have an outstanding keynote speaker for this workshop. We are pleased to have Bob Edwards, otherwise known as the HOP Coach, share his experiences in Human and Organizational Performance with us in our Opening Session.

We promise an exciting Monday Evening Networking Event as we enjoy the entertainment of the Fiesta River Parade and delicious, authentic, San Antonio cuisine at Biga on the Banks. This event is an excellent opportunity to reunite with old friends and make new friends, and we're sure you'll have a great time! There are more than 25 first-time attendees at this workshop and we are thrilled to welcome them to the EUCG family.

The EUCG Board continues to look for ways to improve EUCG's products and services for the benefit of you, our members. We are excited that the inaugural workshop for our recently-formed Solar Committee will take place here in San Antonio, and we encourage those of you who have solar assets in your generation portfolios to consider joining the Committee.

We are glad that you have joined us here in San Antonio! Remember to mark your calendar and join us September 9-12, 2018 at the Grand Hyatt Denver in Denver, Colorado, for the 2018 Fall Committee Workshops.

Stephanie Maggard

EUCG President



KEYNOTE SPEAKER - BOB EDWARDS



Bob Edwards is a Human & Organizational Performance (HOP) practitioner. Bob works with all levels of an organization, teaching HOP Fundamentals and training and coaching Learning Teams. Through the use of Learning Teams, companies and organizations are gaining a much deeper understanding of their operations and the complex nature of work.

Bob leads organizations away from the blame model and deeper into collaboration. This, in turn, is leading to more thorough, meaningful and sustainable solutions to issues in safety, quality and operations.

Bob has a BS degree in mechanical engineering from Tennessee Technological University and Master's degree in Advanced Safety Engineering Management from the University of Alabama Birmingham. His work experience includes time as a maintenance man, soldier in the U.S. Army, a design engineer, maintenance and technical support leader and most recently in safety. Bob has worked for the past 16 years in the General Electric Appliances Division.

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AGENDA AT-A-GLANCE

SUNDAY APRIL 22

| | | |
|-------------------|---|------------------------|
| 8:00 am – 2:00 pm | Board of Directors Meeting | <i>Pecan</i> |
| 4:30 pm – 5:00 pm | New Delegate Orientation | <i>Live Oak</i> |
| 5:00 pm – 7:00 pm | Welcome Reception and Registration | <i>Rio Grande East</i> |

MONDAY APRIL 23

| | | |
|--------------------|--|----------------------------------|
| 7:00 am – 8:00 am | Breakfast and Registration | <i>Rio Grande</i> |
| 8:00 am – 9:30 am | Opening Session and Welcome Address | <i>Regency East</i> |
| 9:30 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |

| | FOSSIL <i>Nueces/Frio</i> | HYDRO <i>Live Oak</i> | NUCLEAR <i>Pecan</i> | T&D <i>Blanco/Llano</i> |
|---------------------|--|---|---|--|
| 10:00 am – 11:00 am | Welcome (15 min) Introduction of T&D Keynote Speaker | HP1 (60 min) Introductions and Business Updates/ Address from HPC Chairman | NC1 (60 min) EUCG Introductions, General Business and 2018 Strategic Plan Update | Welcome (15 min) Introduction of Keynote Speaker in Nueces/Frio |
| | FP1 (45 min) HOP Culture: Successfully Swaying the Culture in Your Organization – Joint Session with T&D Committee | | | TD1 (45 min) HOP Culture: Successfully Swaying the Culture in Your Organization – Joint Session with Fossil Committee in Nueces/Frio |
| 11:00 am – 12:00 pm | FP2 (60 min) Chairman’s Remarks / Fossil Keynote | HP2 (60 min) View of the Hydropower’s Value | NC2 (60 min) Presentation of Member Issues | TD2 (60 min) Welcome & Introductions |
| 12:00 pm – 1:00 pm | Lunch | | | <i>Rio Grande</i> |

| | FOSSIL <i>Nueces/Frio</i> | HYDRO <i>Live Oak</i> | NUCLEAR <i>Pecan</i> | T&D <i>Blanco/Llano</i> |
|-------------------|---|---|--|---|
| 1:00 pm – 1:45 pm | FP3 (45 min) Balancing Reliability & Cost | HP3 (60 min) Condition Maintenance System Survey Results | NC3 (60 min) South Texas Best Practice Presentation – Zero Based Budgeting Process | TD3 (45 min) Operations – WUPIT, Technology for Wire Down Events |
| 1:45 pm – 2:45 pm | | | | TD4 (60 min) Operations – Preparing for Major Storms – Joint Session with Fossil Committee in Nueces/Frio |
| | FP4 (60 min) Preparing for Major Storms – Joint Session with T&D Committee | HP4 (45 min) Data Review Meeting Plans | NC4 (45 min) Discussion of Member Issues to Determine Major Topics & Breakout Team Assignments | |
| | | | | |
| 2:45 pm – 3:15 pm | Break | | | <i>Hill Country Atrium Foyer</i> |
| 3:15 pm – 4:15 pm | FP5 (60 min) Human Performance Improvement Programs – Joint Session with T&D Committee | HP5 (60 min) Changes to the NERC GADS Data Reporting Instructions | 3:00 pm – 3:45 pm NC5 (45 min) Issues Task Team Reports | TD5 (60 min) Operations – Human Performance Improvement Programs – Joint Session with Fossil Committee in Nueces/Frio |
| | | | NC6 (30 min) Major Nuclear Issues Discussion - Purpose / Scope / Team Lead | |
| 4:15 pm – 4:45 pm | FP6 (30 min) Monday Debrief | | NC7 (15 min) Day One Wrap Up and Next Day Plan | TD6 (45 min) Daily Wrap up and General Discussion |
| | | | | |
| 6:00 pm – 9:00 pm | <p>Monday Evening Networking Dinner Event</p> <p>Join us for a taste of true San Antonio culture as we view the Texas Cavaliers River Parade from our own grand balcony at Biga on the Banks, one of the city’s most popular fine dining restaurants. Enjoy the delicious blend of authentic Mexican and American cuisine, and network with international electric utility leaders while watching festively decorated floats drift down the river. Be sure to join us for an evening full of networking, food, and festivity!</p> <p><i>Buses will operate on a continuous loop between the hotel and restaurant from 5:30pm-9:00pm.</i></p> | | | |

TUESDAY APRIL 24

| 7:00 am – 8:00 am Breakfast | | <i>Rio Grande</i> | | |
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| | FOSSIL <i>Nueces/Frio</i> | HYDRO <i>Live Oak</i> | NUCLEAR <i>Pecan</i> | T&D <i>Blanco/Llano</i> |
| 8:00 am – 9:00 am | FP7 (60 min) Safety Case Studies | HP6 (45 min) 2018 Hydro Business Unit Safety Survey | NC8 (60 min) NIID Enhancements/ Data Definitions | TD7 (60 min) Technology – PSEG Partnership with Near Earth UAV Services |
| 9:00 am – 9:45 am | FP8 (45 min) In Pursuit of Excellence: The Role of the US Army Institute of Surgical Research (ISR) in War & Peace – Joint Session with T&D Committee | HP7 (60 min) Adjusting for Regional Wage Disparities in the EUCG Hydropower Cost Data | NC9 (45 min) Nuclear Industry Performance Indicator Central Database | TD8 (45 min) Safety – In Pursuit of Excellence: The Role of the US Army Institute of Surgical Research (ISR) in War & Peace – Joint Session with Fossil Committee in Nueces/Frio |
| 9:45 am – 10:15 am Break | | <i>Hill Country Atrium Foyer</i> | | |
| 10:15 am – 11:15 am | FP9 (45 min) LCRA’s Vending Machine Program | 10:00 am – 11:00 am HP8 (60 min) Maintenance Key Performance Indicators (KPIs) | 10:00 am – 11:00 am NC10 (60 min) Procurement Engineering Prioritization Reporting & Obsolescence (PE PRO) Application | TD9 (60 min) Innovation – How to Become a Baldrige Superhero |
| 11:15 am – 12:00 pm | FP10 (60 min) Leadership Development | HP9 (60 min) Hydro Portfolio Strategies | NC11 (60 min) PG&E Enterprise Contract Management Center of Excellence | TD10 (45 min) Safety – Safety Sub- Committee Report |
| 12:00 pm – 1:00 pm Lunch | | <i>Rio Grande</i> | | |

| | FOSSIL <i>Nueces/Frio</i> | HYDRO <i>Live Oak</i> | NUCLEAR <i>Pecan</i> | T&D <i>Blanco/Llano</i> |
|-------------------|---|--|---|---|
| 1:00 pm – 2:00 pm | FP11 (60 min) Combined Cycle Plant Staffing | HP10 (30 min) 2017 HPC Annual Report Feedback | NC12 (60 min) Delivering the Nuclear Promise Panel Discussion | TD11 (45 min) Innovation – Data Repository Development & Use at ATC |
| | | HP11 (75 min) Hydro Asset Management | | |
| 2:00 pm – 2:45 pm | FP12 (45 min) Use of Drones in Fossil Plants | | NC13 (45 min) NEI’s Perspectives on DNP Current Progress & Future Opportunities | TD12 (60 min) Operations – Cost Metrics Sub-Committee Report |
| | | | | |
| 2:45 pm – 3:15 pm | | Break <i>Hill Country Atrium Foyer</i> | | |
| 3:15 pm – 4:00 pm | FP13 (45 min) Lock-Out / Tag-Out Best Practices | HP12 (45 min) 2018 Fall Workshop Agenda Planning | NC14 (45 min) 3:00 pm – 3:45 pm Major Issues Discussion/Finalize Wednesday Presentations | TD13 (15 min) PSEG Best Practices |
| | | | NC15 (15 min) Day Two Wrap up and Next Day Plan | TD14 (30 min) EUCG Library |
| 4:00 pm – 5:00 pm | FP14 (30 min) 2018 Fall Workshop Agenda Development | | | TD15 (60 min) Daily Wrap up and General Discussion |
| | FP15 (30 min) Tuesday Debrief | | | |

WEDNESDAY APRIL 25

| 7:00 am – 8:00 am | | Breakfast | | | <i>Rio Grande</i> |
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| | FOSSIL <i>Nueces/Frio</i> | HYDRO <i>Live Oak</i> | NUCLEAR <i>Pecan</i> | T&D <i>Blanco/Llano</i> | |
| 8:00 am – 9:00 am | FP16 (60 min) Safety Fairs & Hazard Recognition Courses | HP13 (60 min) HPC Business Report | NC16 (60 min) Presentation of Issues | TD16 (45 min) Designer Training | |
| 9:00 am – 9:45 am | FP17 (45 min) Coal & Combined Cycle Unit Performance Improvements for Today's Market | HP14 (45 min) HPC Roundtable & Action Item Review | NC17 (45 min) Summation of Spring 2018 Workshop Actions & Roundtable | TD17 (60 min) Workshop Wrap Up & Agenda Planning / T&D Committee Succession Planning | |
| 9:45 am – 10:15 am | | Break | | | <i>Hill Country Atrium Foyer</i> |
| 10:15 am – 11:00 am | FP18 (45 min) Database Review Team Report / Best Practice Awards Process | HP15 (45 min) HPC Leadership Meeting | NC18 (45 min) Overview of Fall 2018 Workshop Agenda | TD18 (45 min) Cont. Workshop Wrap up & Agenda Planning / T&D Committee Succession Planning | |
| 11:00 am – 12:00 pm | | Boxed Lunches Provided | | | <i>Hill Country Atrium Foyer</i> |
| 11:00 am – 12:00 pm | FP19 (30 min) 2018 Fall Workshop Agenda Review | HP16 (90 min) HPC Working Lunch | NC19 (210 min) Nuclear Leadership Team Meeting | | |
| | FP20 (30 min) Wednesday Conference Debrief | | | | |
| 12:00 pm – 5:00 pm | FP21 (300 min) Fossil Steering Committee Meeting | | | | |



EUCG 2018 SPRING WORKSHOP
FOSSIL TRACK SCHEDULE

MONDAY APRIL 23

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|---------------------|---|----------------------------------|
| 8:00 am – 9:30 am | EUCG Opening Session and Welcome Address | <i>Regency East</i> |
| 9:30 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |
| 10:00 am – 10:15 am | Welcome & Introduction of T&D Keynote Speaker Eileen Brannon, <i>Oncor Electric Delivery, T&D Committee Chair</i> | |
| 10:15 am – 11:00 am | FP1: Operations - HOP Culture - Successfully Swaying the Culture in Your Organization - Joint Session with T&D Committee Bob Edwards, <i>The HOP Coach</i> Bob Edwards helps organizations realize that human error is common and can even be expected in complex work environments. He demonstrates how, when something bad happens, our focus needs to shift from blaming those doing the work to a look at the system they are working in. This discussion will focus on how to introduce the change in culture from one of “blame and consequences” to become more productive. | <i>Nueces/Frio</i> |
| 11:00 am – 12:00 pm | FP2: Chairman’s Remarks / Fossil Keynote Steve Royall, <i>Pacific Gas & Electric</i> Benjamin L. Ethridge, Jr., <i>CPS Energy</i> Following opening remarks from FGC Chairman Steve Royall, Benjamin Ethridge, Senior Vice President of Power Generation for CPS Energy, will speak to Fossil delegates about the current major business, environmental, or regulatory issues or challenges facing his company and the fossil electric generating industry in general. CPS Energy is located in San Antonio, Texas, and is the largest combined electric and gas municipally-owned utility in the United States. Mr. Ethridge oversees the environmentally-responsible operation of CPS Energy’s fleet of fossil-fueled power plants that generates more than 5,500 megawatts in the Electric Reliability Council of Texas (ERCOT) region. Through his career, Mr. Ethridge has led a number of initiatives in the fossil fuel generation field to create profitable and successful fleets. His successes range from coal plant profitability turnaround to the structuring and operation of private equity brownfield natural gas and coal plants. In all of his leadership roles, Mr. Ethridge focuses on achieving performance metrics to drive improvement and asset optimization. Mr. Ethridge became SVP of Power Generation at CPS Energy in 2015. With more than 30 years of experience, his service to the energy industry ranges from the Western, Southern and Mid-Atlantic regions of the U.S., where he worked for such companies as NRG Energy, Topaz Power Management, Reliant Energy/RR1 Energy, and Houston Lighting and Power. Mr. Ethridge holds a Bachelor of Science in Civil Engineering from Texas A&M University and a Master of Business Administration from Houston Baptist University. He is a registered professional engineer in the State of Texas. | <i>Nueces/Frio</i> |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |

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| 1:00 pm – 1:45 pm | FP3: Balancing Reliability & Cost Steve Royall, <i>Pacific Gas & Electric</i> Andrew Valencia, <i>Lower Colorado River Authority</i> Plant management staff face dilemmas every day. One of the biggest is how much to spend on their facilities and what to spend it on. This session will focus on maintaining the appropriate level of reliability while maintaining a competitive edge in the market. | <i>Nueces/Frio</i> |
| 1:45 pm – 2:45 pm | FP4: Preparing For Major Storms <i>Joint Session with T&D Committee</i> Don Barnett, <i>CPS Energy</i> Boyd Greene, <i>Oncor Electric Delivery</i> Joseph Sales, <i>Tennessee Valley Authority</i> Utilities face increasing pressure to get electrical service back on line quickly after a storm. During this session, panelists will discuss how their companies prepare for major storms, including ensuring fuel supplies, implementing winter weatherization procedures, and using such tools as “critical needs” lists and the strategic placement of critical materials. The panel will describe safety and communication plans developed for storm preparation, and share best practices adopted based on lessons learned from past storms. | <i>Nueces/Frio</i> |
| 2:45 pm – 3:15 pm | Break | <i>Hill Country Atrium Foyer</i> |
| 3:15 pm – 4:15 pm | FP5: Human Performance Improvement Programs <i>Joint Session with T&D Committee</i> Rod Kinard, <i>Oncor Electric Delivery</i> Steve Royall, <i>Pacific Gas & Electric</i> Liam Sheppard, <i>Austin Energy</i> Representatives from the Fossil and T&D committees will describe the implementation of human performance improvement programs at their respective companies. Panelists will discuss the challenges that arose, the successes achieved, and lessons learned. Audience members are encouraged to share their own stories and actively participate in dialogue with the panel. | <i>Nueces/Frio</i> |
| 4:15 pm – 4:45 pm | FP6: Monday Debrief Don Barnett, <i>CPS Energy</i> Fossil Steering Committee members will facilitate a daily debrief to capture key ideas and takeaways from the day’s sessions. | <i>Nueces/Frio</i> |
| 6:00 pm – 9:00 pm | Monday Evening Dinner Networking Event | <i>Biga on the Banks</i> |
| TUESDAY APRIL 24 | | |
| 8:00 am – 9:00 am | FP7: Safety Case Studies Steve Royall, <i>Pacific Gas & Electric</i> Liam Sheppard, <i>Austin Energy</i> During this session, representatives from FGC member utilities will present safety case studies. A presentation might focus on a specific event – its root cause, lessons learned, and corrective action taken – or it might highlight a general plant safety issue such as the use of improvised tools or lone worker safety. | <i>Nueces/Frio</i> |

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| 9:00 am – 9:45 am | FP8: In Pursuit of Excellence: The Role of the US Army Institute of Surgical Research in War & Peace - <i>Joint Session with T&D Committee</i> | <i>Nueces/Frio</i> |
| Leopoldo C. Cancio, MD, FACS, FCCM, Colonel (ret.), <i>U.S. Army, Director and Surgeon, U.S. Army Burn Center</i> | | |
| Dr. Cancio will describe how the U.S. Army Burn Center became best in class, what continuous improvement methodologies they employ, and how they sustain a best in class culture. | | |
| <ul style="list-style-type: none"> • Overview of the ISR: mission, history, accomplishments • Excellence requires innovation • Is the military an innovation-friendly institution? Advantages and disadvantages of the institutional setting • How burn care was improved: integrated laboratory and clinical research • How combat casualty care on the battlefield was improved: the case of Iraq and Afghanistan | | |
| 9:45 am – 10:15 am | Break | <i>Hill Country Atrium Foyer</i> |
| 10:15 am – 11:00 am | FP9: LCRA's Vending Machine Program | <i>Nueces/Frio</i> |
| Amy Hopkins, <i>Lower Colorado River Authority</i> | | |
| The Lower Colorado River Authority (LCRA) uses vending machines at its power plants as a Lean solution to managing high-use consumables, materials, tools, and monitoring devices. Reductions in labor, costs, travel time, and on-hand inventory have been achieved. Amy Hopkins will discuss implementation strategy, capabilities, and benefits, and provide some tips to ensure the success of your own vending machine program. | | |
| 11:00 am – 12:00 pm | FP10: Leadership Development | <i>Nueces/Frio</i> |
| Bryan Dubreuiel, <i>Austin Energy</i> | | |
| As the power industry continues to evolve, the importance of effective leadership will increase. Leadership development is an essential approach to survival in the changing utility market as budgets and headcounts continue to decline. This will require intentional actions to ensure that leadership teams are effectively trained and positioned to lead our people through major industry changes. Bryan Dubreuiel of Austin Energy will describe his experiences implementing classes for leaders and facilitate a roundtable discussion so that workshop delegates can describe the programs in place at their companies. | | |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 2:00 pm | FP11: Combined Cycle Plant Staffing | <i>Nueces/Frio</i> |
| Gregg Bargo, <i>Salt River Project</i> | | |
| Don Barnett, <i>CPS Energy</i> | | |
| This session will feature a review of the results of an FGC survey designed to take an in-depth look at staffing levels at member utilities' combined cycle plants and how staff are utilized during the day-to-day plant operations. | | |

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| 2:00 pm – 2:45 pm | FP12: Use of Drones in Fossil Plants | <i>Nueces/Frio</i> |
| | Jack Odlum, <i>HRST, Inc.</i> This session will feature a presentation highlighting the methods and benefits of using unmanned drones to inspect inlet ducts, duct burners, catalysts, stacks, and external components of HRSGs. Jack Odlum began working with HRST in 2012 after receiving his engineering degree from UC Berkeley. In the time since, he has performed numerous HRSG inspections, risk assessments, and performance evaluations for combined-cycle customers around the world. Jack is an FAA certified commercial drone inspector since 2017 and one of HRST's most experienced drone pilots. | |
| 2:45 pm – 3:15 pm | Break | <i>Hill Country Atrium Foyer</i> |
| 3:15 pm – 4:00 pm | FP13: Roundtable: Lock-Out / Tag-Out Best Practices | <i>Nueces/Frio</i> |
| | Don Barnett, <i>CPS Energy</i> Andrew Campbell, <i>Tennessee Valley Authority</i> Lock-out/tag-out (LOTO) is an integral part of plant safety programs. How is it administered in your facilities? Do you perform secondary verifications? Do you do "pre-clearances" to increase productivity of your maintenance teams? Are LOTO requests scheduled in advance? All these questions are important for all facility managers to understand. During this roundtable session, delegates will discuss these questions and more. | |
| 4:00 pm – 4:30 pm | FP14: 2018 Fall Workshop Agenda Development | <i>Nueces/Frio</i> |
| | Don Barnett, <i>CPS Energy</i> Don Barnett, the FGC Vice Chairman and Agenda Coordinator, will facilitate a session devoted to planning the committee's agenda for the EUCG 2018 Fall Workshop on September 9 - 12 in Denver, Colorado. During the planning process, members will vote on agenda topics and identify surveys to update. | |
| 4:30 pm – 5:00 pm | FP15: Tuesday Debrief | <i>Nueces/Frio</i> |
| | Don Barnett, <i>CPS Energy</i> Fossil Steering Committee members will facilitate a daily debrief to capture key ideas and takeaways from the day's sessions. | |

WEDNESDAY APRIL 25

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|-------------------|--|--------------------|
| 8:00 am – 9:00 am | FP16: Safety Fairs & Hazard Recognition Courses | <i>Nueces/Frio</i> |
| | Keith Morrison, <i>Omaha Public Power District</i> Joseph Sales, <i>Tennessee Valley Authority</i> The session will focus on why and how utility companies implement and use hazard recognition courses. Session participants will describe the tools they use and discuss the successes they have experienced and how they have met any challenges that have arisen. Additionally, members will share their experiences hosting safety fairs and the effectiveness of the fairs in encouraging employees to embrace a safety culture. | |

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| 9:00 am – 9:45 am | FP17: Coal & Combined Cycle Unit Performance Improvements for Today's Market | <i>Nueces/Frio</i> |
| | <p>Steve Royall, <i>Pacific Gas & Electric</i> Andrew Campbell, <i>Tennessee Valley Authority</i> Ed Healy, <i>Southern Company</i></p> <p>It is no secret that the changing power market is challenging the economic performance of both coal-fired power plants in the east and combined cycle power plants in the west. Often, coal units run for significant periods of time at the low-set-limit (LSL) of the unit and are then asked to very quickly ramp up to higher loads in order to capture market opportunities. To maximize profit (or minimize losses), coal units need to be able to operate at a lower LSL and be able to ramp up and down on load more quickly than originally designed. In the West, lower power prices and the rise in renewables has changed the combined cycle market from base-loaded facilities to frequently cycling facilities. During this session, FGC member utilities will describe improvements made to their units to better meet today's market demands.</p> | |
| 9:45 am – 10:15 am | BREAK / ADJOURN FOSSIL AGENDA TRACK | <i>Hill Country Atrium Foyer</i> |
| 10:15 am – 11:00 am | FP18: Database Review Team Report / Best Practice Awards Process | <i>Nueces/Frio</i> |
| | <p>Evelyn Grant, <i>Lower Colorado River Authority</i> Joyce Jackson, <i>Cook-Jackson, Inc.</i></p> <p>The Fossil Database Review Team was created to assist the FGC and its members by improving and promoting its tools to exchange information, share best practices, and find solutions to industry issues. Evelyn Grant, the Database Subcommittee Chair, and Joyce Jackson, the database administrator, will provide an update on the team's activities.</p> <p>One of the FGC's initiatives for 2018 is to implement a "best practices" recognition program that is not data-centered. The committee's goal is to recognize the first set of award-winners at the EUCG 2018 Fall Workshop in Denver. Joyce Jackson will describe the new selection process and announce the schedule for 2018.</p> | |
| 11:00 am – 12:00 pm | Boxed Lunches Available | <i>Hill Country Atrium Foyer</i> |
| 11:00 am – 11:30 am | FP19: 2018 Fall Workshop Agenda Review | <i>Nueces/Frio</i> |
| | <p>Don Barnett, <i>CPS Energy</i></p> <p>During this session, Don Barnett will announce the most popular topics for inclusion in the FGC agenda at the EUCG 2018 Fall Workshop and recruit speakers, panelists, and survey sponsors.</p> | |
| 11:30 am – 12:00 pm | FP20: Wednesday / Workshop Debrief | <i>Nueces/Frio</i> |
| | <p>Don Barnett, <i>CPS Energy</i></p> <p>Fossil Steering Committee members will facilitate a debrief to capture key ideas and takeaways from the day's sessions and solicit delegates' input on the workshop as a whole.</p> | |
| 12:00 pm | Adjourn | |
| 12:00 pm – 5:00 pm | Fossil Steering Committee Meeting | <i>Nueces/Frio</i> |



EUCG 2018 SPRING WORKSHOP
HYDRO TRACK SCHEDULE

MONDAY APRIL 23

| | | |
|---------------------|--|----------------------------------|
| 8:00 am – 9:30 am | EUCG Opening Session and Welcome Address | <i>Regency East</i> |
| 9:30 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |
| 10:00 am – 11:00 am | HP1: Introductions and Business Updates/Address from HPC Chairman | <i>Live Oak</i> |
| | Chris Utracki, <i>Ontario Power Generation, Hydro Productivity Committee Chair</i> This session will give new members the opportunity to introduce themselves and their companies, as well as for all members to share any business updates and “headline news” happening at their companies. | |
| 11:00 am – 12:00 pm | HP2: View of the Hydropower’s Value | <i>Live Oak</i> |
| | Greg Bosscawen, <i>Pacific Gas & Electric</i> Patrick O’Connor, <i>Oak Ridge National Lab</i> As the nation’s electric market evolves, it will be vital to know the value of services provided by hydropower facilities. Mr. O’Connor will provide an overview of Oak Ridge National Laboratory’s work in this area and the utility perspective will be shared by Mr. Bosscawen. | |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 2:00 pm | HP3: Condition Monitoring Survey Results | <i>Live Oak</i> |
| | Gordon Ashby, <i>Bonneville Power Administration</i> In the first quarter of 2018, HPC members were invited to respond to a survey on the implementation condition monitoring within their hydropower fleet. The summary results of the responses will be provided. | |
| 2:00 pm – 2:45 pm | HP4: Data Review Meeting Plans – July 10-12, 2018, Georgia Power Offices, Atlanta, GA | <i>Live Oak</i> |
| | Matt Dau, <i>Bonneville Power Administration</i> Tony Coaxum, <i>Southern Company</i> John Schuknecht, <i>Pacific Gas & Electric</i> Mr. Dau and Mr. Schuknecht will provide an overview of the processes for the peer review and report on the results of the 2017 review. They will also discuss the preparations that each representative should complete prior to the meeting. Utilities will have an opportunity to provide feedback on the outcomes of 2017 and suggest changes for 2018. The meeting location and logistics will be discussed by Mr. Coaxum. | |
| 2:45 pm – 3:15 pm | Break | <i>Hill Country Atrium Foyer</i> |
| 3:15 pm – 4:15 pm | HP5: Changes to the NERC GADS Data Reporting Instruction | <i>Live Oak</i> |
| | Steve Wenke, <i>Avista, NERC GADS Working Group Vice-Chair</i> The North American Electric Reliability Corporation (NERC) maintains the Generating Availability Data System (GADS) for the collection of unit performance data for the nation’s electric generating fleet. NERC will issue revisions to the Data Reporting Instructions and Mr. Wenke will provide the impacts of these changes on data reporting for hydropower facilities. | |
| 6:00 pm – 9:00 pm | Monday Evening Dinner Networking Event | <i>Biga on the Banks</i> |

TUESDAY APRIL 24

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| 8:00 am – 8:45 am | HP6: 2018 Hydro Business Unit Safety Survey | <i>Live Oak</i> |
| | <p>Jim Miller, <i>Oak Ridge National Laboratory</i></p> <p>Since 2007, EUCG's Hydroelectric Productivity Committee and the National Hydropower Association Hydraulic Power Committee have been jointly conducting an annual Safety Survey of the hydro industry. The results of the 2018 (2017 data) survey will be provided.</p> | |
| 8:45 am – 9:45 am | HP7: Adjusting for Regional Wage Disparities in the EUCG Hydropower Cost Data | <i>Live Oak</i> |
| | <p>Patrick O'Connor, <i>Oak Ridge National Laboratory</i> Gbadebo Oladosu, <i>Oak Ridge National Laboratory</i></p> <p>In the past, the HPC has discussed the possible impacts of regional wage variations on the labor cost data collected and analyzed by member companies. Since labor is a substantial expense for the operation and maintenance of a hydropower facility such regional variations need to be understood. Mr. O'Connor and Dr. Oladosu will present a proposed process to collect and analyze the wages paid to the utility work force and to determine its impact in the different areas of the United States.</p> | |
| 9:45 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |
| 10:00 am – 11:00 am | HP8: Maintenance Key Performance Indicators (KPIs) | <i>Live Oak</i> |
| | <p>Rob Stone, <i>NB Power</i></p> <p>The maintenance of a hydropower facility, water control equipment such as spillway gates and associated dam structure is a prime function of employees and contractors. Evaluating the effectiveness of this program provides feedback and is tracked through Key Performance Indicators (KPI). Mr. Stone will provide examples of these KPIs and their use within NB Power.</p> | |
| 11:00 am – 12:00 pm | HP9: Hydro Portfolio Strategies | <i>Live Oak</i> |
| | <p>Gordon Ashby, <i>Bonneville Power Administration</i> Greg Bosscawen, <i>Pacific Gas & Electric</i></p> <p>Hydropower facilities provide a variety of services and are an important part of a utility generating asset portfolio. During this session two utility representatives will provide insight on how their organizations manage their hydropower assets within their generating portfolios.</p> | |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 1:30 pm | HP10: 2017 Hydroelectric Productivity Committee Annual Report Feedback | <i>Live Oak</i> |
| | <p>Jim Miller, <i>Oak Ridge National Laboratory</i> Patrick O'Connor, <i>Oak Ridge National Laboratory</i></p> <p>During this session, the draft 2017 HPC Annual Cost and Performance Report, prepared by ORNL, will be reviewed. HPC members will be afforded an opportunity to provide comments and suggestions for revision.</p> | |

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| 1:30 pm – 2:45 pm | HP11: Hydro Asset Management: A Review of the Status, Trends, Tools and Human Factors | <i>Live Oak</i> |
| | Chris Utracki, <i>Ontario Power Generation, HPC Chairman</i> Gordon Ashby, <i>Bonneville Power Administration</i> | |
| | All utilities employ Asset Management tools to various degrees. Recently there has been a number of initiatives stemming from technology improvements. This session will present examples of changes at two utilities and attempt to collect information about other utilities. It will be a participatory session. Review questions will be distributed in advance. Attendees will be asked to comment and then make a written submission for inclusion in the status report. | |
| 2:45 pm – 3:15 pm | Break | <i>Hill Country Atrium Foyer</i> |
| 3:15 pm – 4:00 pm | HP12: Fall Workshop Agenda Planning | <i>Live Oak</i> |
| | During this session we will develop the initial agenda for the Fall 2018 HPC meeting which will be held in Denver, Colorado September 9 – 12, 2018. Please come prepared to suggest topics that you would like discussed or where you have something to share with the rest of the committee. | |
| WEDNESDAY APRIL 25 | | |
| 8:00 am – 9:00 am | HP13: HPC Business Report | <i>Live Oak</i> |
| | Chris Utracki, <i>Ontario Power Generation, Hydro Productivity Committee Chair</i> During this session we will discuss Committee's business matters. | |
| 9:00 am – 9:45 am | HP14: HPC Roundtable & Action Item Review | <i>Live Oak</i> |
| | Chris Utracki, <i>Ontario Power Generation, Hydro Productivity Committee Chair</i> During this time, HPC members will be afforded the opportunity share their feedback on the workshop. Any action items taken during the workshop will be reviewed with the responsible committee member noted and due dates. | |
| 9:45 am – 10:15 am | Break / Check-out | <i>Hill Country Atrium Foyer</i> |
| 10:15 am – 11:00 am | HP15: HPC Leadership Meeting | <i>Live Oak</i> |
| | Chris Utracki, <i>Ontario Power Generation, Hydro Productivity Committee Chair</i> The HPC leadership utilizes this opportunity to discuss HPC matters and is open to all members. | |
| 11:00 am – 12:00 pm | Boxed Lunches Available | <i>Hill Country Atrium Foyer</i> |
| 11:00 am – 12:30 pm | HP16: HPC Working Lunch | <i>Live Oak</i> |
| | Chris Utracki, <i>Ontario Power Generation, Hydro Productivity Committee Chair</i> This session will provide a time when all HPC members can discuss HPC matters in an open forum. | |



EUCG 2018 SPRING WORKSHOP
NUCLEAR TRACK SCHEDULE

| MONDAY APRIL 23 | | |
|------------------------|---|----------------------------------|
| 8:00 am – 9:30 am | EUCG Opening Session and Welcome Address | <i>Regency East</i> |
| 9:30 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |
| 10:00 am – 11:00 am | NC1: Introductions, General Business & 2018 Strategic Plan Update | <i>Pecan</i> |
| | <p><i>David Ward, Duke Energy, Nuclear Committee Chair</i></p> <p>David Ward will kick-off the Nuclear Committee session of the Spring 2018 Nuclear Workshop, by facilitating the introduction of the workshop attendees, highlighting the workshop agenda and providing members with an update on the Nuclear Committee’s business and related issues including the highlights of the EUCG Nuclear Committee 2018 Strategic Plan.</p> | |
| 11:00 am – 12:00 pm | NC2: Presentation of Member Issues | <i>Pecan</i> |
| | <p><i>David Ward, Duke Energy, Nuclear Committee Chair</i></p> <p>David Ward will present the issues submitted by members prior to the workshop. The request for issues was sent to each member company’s Primary Representative and Management Sponsor. This is to present items only with more detailed discussion to occur in NC4. The process to collect, disseminate and resolve issues will be included in the NC11 session.</p> | |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 2:00 pm | NC3: South Texas Best Practice Presentation - Zero Based Budgeting Process | <i>Pecan</i> |
| | <p><i>Savannah Cornelius, STP Nuclear Operating Company, Finance Manager</i></p> <p>In response to the challenging market conditions, STP Nuclear Operating Company set out on a mission to reduce baseline O&M costs through the utilization of Zero Based Budgeting. Their first iteration of Zero Based Budgeting included the full scale approach. They have since completed Zero Based Budgeting “Smart” where they utilized EUCG data to help target specific areas to revisit the zero based approach. This presentation will outline the process they used, best practices they identified, and how EUCG data helped them to find a more efficient and effective way to execute this time and resource intensive budgeting process.</p> | |
| 2:00 pm – 2:45 pm | NC4: Discussion of Member Issues | <i>Pecan</i> |
| | <p><i>David Ward, Duke Energy, Nuclear Committee Chair</i></p> <p>David Ward will facilitate the discussion of the issues submitted and presented by members in NC2. This discussion on member issues serves to encourage member interaction with their peers during the workshop. Where possible, the answers to the issues can be provided during this session. If further discussion is required, members have an opportunity to meet with their counterparts at the conclusion of the day to discuss in more detail. If the issue is deemed a major one, it will be discussed further in NC6.</p> | |
| 2:45 pm – 3:00 pm | Break | <i>Hill Country Atrium Foyer</i> |

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| 3:00 pm – 3:45 pm | NC5: Ad Hoc Survey Results | <i>Pecan</i> |
| | Shari Bella, <i>Talen Energy</i> This session allows EUCG Nuclear Committee members to provide results from Ad-Hoc survey requests their company requested since the last workshop. The following will provide updates on their respective Ad-Hoc surveys: <ol style="list-style-type: none"> 1. NextEra (Shari Bella) - Contract Administration Survey results 2. AEP - (Laura Fletcher/Anna Eaton) - Long Range Planning Survey results 3. PG&E (Kelly Young) - Key Performance Indicator Target Setting Survey results | |
| 3:45 pm – 4:15 pm | NC6: Major Nuclear Issues Discussion - Purpose / Scope / Team Lead | <i>Pecan</i> |
| | David Ward, <i>Duke Energy, Nuclear Committee Chair</i> David Ward will continue the discussion regarding the issues submitted by members in order to determine those deemed to be Major Issues. The issues will be discussed and ranked to effectively utilize the experienced resources present at the workshop. There are typically a maximum of 4 Major Issues addressed at each workshop, given the resources available. Workshop attendees will choose which issue they will work on and then the collected “breakout” teams will determine the purpose / scope / team logistics for the assigned Major Issue. The expectation is that the Breakout Team members will present their proposals / resolution at the close of the workshop on Wednesday morning during NC16 session. | |
| 4:15 pm – 4:30 pm | NC7: Day One Wrap Up and Next Day Plan | <i>Pecan</i> |
| | Phil Young, <i>Exelon</i> Phil Young will close the day’s sessions with a wrap up and next day highlights. At the conclusion of this session members will also have an opportunity to network with their counterparts to discuss details/answers to questions raised in NC2 and NC4. | |
| 6:00 pm – 9:00 pm | Monday Evening Dinner Networking Event | <i>Biga on the Banks</i> |
| TUESDAY APRIL 24 | | |
| 8:00 am – 9:00 am | NC8: Nuclear Integrated Information Database (NIID) Enhancements | <i>Pecan</i> |
| | Christine Messer, <i>Nuclear Committee Database Manager</i> Christine Messer will present the latest upgrades to NIID. These include enhancements to the data definition, new reports, and training tools. | |
| 9:00 am – 9:45 am | NC9: Nuclear Industry Performance Indicator Central Database | <i>Pecan</i> |
| | David Ward, <i>Duke Energy, Nuclear Committee Chair</i> The nuclear industry is working on an industry standard indicator database via Efficiency Bulletin EB 17-17, Performance Indicator Central database with a 2019 implementation date. The entry point for the industry common database will be the INPO Consolidated Data Entry (CDE) System. David Ward will provide an update regarding the progress and status of this initiative. | |
| 9:45 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |

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| 10:00 am – 11:00 am | NC10: Procurement Engineering Prioritization Reporting & Obsolescence (PE PRO) Application | <i>Pecan</i> |
| <p>Jacob Denny, <i>Duke Energy, Lead Procurement Engineer</i> Jon Thomas, <i>Duke Energy, Procurement Engineering Manager</i></p> <p>Jacob Denny and Jon Thomas will present an overview of the PE PRO application. This application was developed and implemented within Procurement Engineering (Fleet Nuclear Design) at Duke Energy in March 2016. It interfaces with fleet data and assigns real-time priorities to all Fleet Procurement Engineering teams’ work items (including obsolescence and critical spares), based on plant needs and equipment reliability classifications. Successfully coordinating and aligning the dynamic priorities across a fleet of nuclear plants requires efficient communication and organization—especially when the fleet is comprised of 11 operating reactors at six sites in two states. This application drives PE efficiencies across Duke Energy’s nuclear fleet and demonstrates the innovation that will help the nuclear industry continue to compete in the 21st century. Time will be provided for an open discussion at the end of the presentation.</p> | | |
| 11:00 am – 12:00 pm | NC11: PG&E Enterprise Contract Management Center of Excellence | <i>Pecan</i> |
| <p>Mike Meko, <i>Pacific Gas & Electric, Director of Generation Supply Chain</i></p> <p>Mike Meko will present the journey and benefits of establishing an Enterprise Contract Management Center of Excellence and the lessons learned of establishing this group and working with the Community of Practice at PG&E. Time will be provided for an open discussion at the end of the presentation.</p> | | |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 2:00 pm | NC12: Delivering the Nuclear Promise Program | <i>Pecan</i> |
| <p>Jeff Davis, <i>DTE Energy</i></p> <p>The ‘Delivering the Nuclear Promise’ Program (DNP) launched by the US nuclear energy industry is a multiyear initiative aimed to boost industry efficiency, safety and economic viability of the nuclear power plants. The EUCG Nuclear Committee has committed to maintaining this program on its agenda for each Workshop to ensure that the members are appropriately informed and engaged in discussing and exchanging ideas related to the implementation of this program across the industry. The session will consist of two segments:</p> <ol style="list-style-type: none"> 1. Presentations on DNP cross-section initiatives – Arizona Public Service will discuss Palo Verde Generating Station’s value-based maintenance initiatives. This segment is open to other members to share their own experiences on these initiatives. 2. Member roundtable - allowing members to provide similar insights/issues on the progress of the DNP within their respective companies. Topics will include transforming the organization initiatives and the standardized performance indicators initiative. | | |
| 2:00 pm – 2:45 pm | NC13: NEI’s Perspectives on DNP Current Progress and Future Opportunities | <i>Pecan</i> |
| <p>Harsh Desai, <i>Nuclear Energy Institute</i></p> <p>Harsh Desai will provide updates on the nuclear operating costs for 2017 and discuss the impacts of the Delivering Nuclear Promise (DNP) thus far. There will be open discussions on the future direction of DNP. Harsh will also discuss current state of play at federal and states level.</p> | | |

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| 2:45 pm – 3:00 pm | Break | <i>Hill Country Atrium Foyer</i> |
| 3:00 pm – 3:45 pm | NC14: Major Issues Discussion / Finalize Wednesday Presentations | <i>Pecan</i> |
| <p>The Major Issues Breakout Teams continue developing Task Charter. They identify how they see the issue being resolved. The issues, problem statement, the expected end product and the benefit statement must be stated as best as can be with available information. Teams prepare a short presentation of findings and recommendations.</p> | | |
| 3:45 pm – 4:00 pm | NC15: Day Two Wrap Up and Next Day Plan | <i>Pecan</i> |
| <p>Phil Young, <i>Exelon</i></p> <p>Phil Young will close the day's sessions with a wrap up and next day highlights. Breakout teams can utilize the time after this session to finalize presentations for Wednesday morning.</p> | | |
| WEDNESDAY APRIL 25 | | |
| 8:00 am – 9:00 am | NC16: Breakout Team Presentations | <i>Pecan</i> |
| <p>The Breakout Team Leads present the Charters to the workshop attendees. The attendees provide feedback on the presentations. The draft charters are provided to the Nuclear Chair for discussion with the Nuclear Leadership Team regarding disposition (resources, timelines etc.).</p> | | |
| 9:00 am – 10:30 am | NC17: Talen Innovation Central Overview and Innovation Submittal Process Discussion (includes break) | <i>Pecan</i> |
| <p>Shari Bella, <i>Talen Energy</i></p> <p>Shari Bella will provide an overview of the recently implemented Innovation Central initiative at Talen Energy. Also included in the presentation will be the process by which innovative ideas and concepts will be submitted and discussed at future workshops.</p> | | |
| 10:30 am – 11:30 am | NC18: Summation of Spring 2018 Workshop, Overview of Fall 2018 Workshop Agenda & Roundtable | <i>Pecan</i> |
| <p>David Ward, <i>Duke Energy, Nuclear Committee Chair</i></p> <p>David Ward will wrap up the workshop action items; provide an overview of the Fall 2018 Workshop agenda in Denver in September 2018; solicit member feedback on the workshop content and facilities; and officially close the workshop.</p> | | |
| 11:00 am – 12:00 pm | Boxed Lunches Available | <i>Hill Country Atrium Foyer</i> |
| 11:30 am – 2:30 pm | Nuclear Leadership Team Meeting | <i>Pecan</i> |
| <p>Nuclear Leadership Team members (only)</p> | | |





EUCG 2018 SPRING WORKSHOP
T&D TRACK SCHEDULE

MONDAY APRIL 23

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|---------------------|---|----------------------------------|
| 8:00 am – 9:30 am | EUCG Opening Session and Welcome Address | <i>Regency East</i> |
| 9:30 am – 10:00 am | Break | <i>Hill Country Atrium Foyer</i> |
| 10:00 am – 10:15 am | Welcome & Introduction of Keynote Speaker Eileen Brannon, <i>Oncor, T&D Committee Chair</i> | <i>Nueces/Frio</i> |
| 10:15 am – 11:00 am | TD1: Operations - HOP Culture - Successfully Swaying the Culture in Your Organization - Joint Session with Fossil Committee Bob Edwards, <i>Keynote Speaker</i> Bob helps organizations realize that human error is common and can even be expected in complex work environments. He demonstrates how, when something bad happens, our focus needs to shift from blaming those doing the work to looking at the system in which they are working. This discussion will focus on how to introduce the change in culture from one of “blame and consequences” to become more productive. | <i>Nueces/Frio</i> |
| 11:00 am – 12:00 pm | TD2: Welcome & Introductions Eileen Brannon, <i>Oncor, T&D Committee Chair</i> This session will include introductions of attending utilities and a discussion of their expectations for the week. Other items included in this session will be: updates on T&D Committee business and laying the groundwork for future T&D Sessions. | <i>Blanco/Llano</i> |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 1:45 pm | TD3: Operations - WUPIT, Technology for Wire Down Events Boyd Greene, <i>Oncor</i> As safety of the public is Oncor’s number one priority, a team was assembled to identify gaps and seek out new technology to help triage emergency/wire down events while also improving response time. The team focused on collecting more detailed information as events were reported by utilizing word/phrase recognition technology and also accepting digital images from emergency first responders and the general public. The resulting software will be discussed and demonstrated. | <i>Blanco/Llano</i> |
| 1:45 pm – 2:45 pm | TD4: Operations – Preparing for Major Storms <i>Joint Session with Fossil Committee</i> Don Barnett, <i>CPS Energy</i> Boyd Greene, <i>Oncor</i> Joseph Sales, <i>Tennessee Valley Authority</i> Utilities face increasing pressure to get electrical service back on line quickly after a storm. During this session, panelists will discuss how their companies prepare for major storms, including ensuring fuel supplies, implementing winter weatherization procedures, and the use of such tools as “critical needs” lists and the strategic placement of critical materials. The panel will describe safety and communication plans developed for storm preparation, and share best practices adopted based on lessons learned from past storms. | <i>Nueces/Frio</i> |
| 2:45 pm – 3:15 pm | Break | <i>Hill Country Atrium Foyer</i> |

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| 3:15 pm – 4:15 pm | TD5: Operations - Human Performance Improvement Programs <i>Joint Session with Fossil Committee</i> | <i>Nueces/Frio</i> |
| | Rod Kinard, <i>Oncor</i> Steve Royall, <i>Pacific Gas & Electric</i> Liam Sheppard, <i>Austin Energy</i> Representatives from the Fossil and T&D committees will describe the implementation of human performance improvement programs at their respective companies. Panelists will discuss the challenges that arose, the successes achieved, and lessons learned. Audience members are encouraged to share like stories and actively participate in dialogue with the panel. | |
| 4:15 pm – 5:00 pm | TD6: Daily Wrap Up and General Discussion | <i>Blanco/Llano</i> |
| | Time will be taken to discuss the day’s activities: Were expectations met? What additional information might be of help? What new topics have come up as a result of these discussions? | |
| 6:00 pm – 9:00 pm | Monday Evening Dinner Networking Event | <i>Biga on the Banks</i> |

TUESDAY APRIL 24

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| 8:00 am – 9:00 am | TD7: Tech - PSEG Partnership with Near Earth UAV Services | <i>Blanco/Llano</i> |
| | Joe Martucci, <i>PSEG, T&D Committee Vice Chair</i> PSEG will share the results of a Pilot Program with NearEarth Autonomy to collect data using custom, multi-modal sensor suites developed by Near Earth that are attached to unmanned aerial vehicles (drones) and land vehicles (trucks). The data collected will map and geo-reference the following: (a) Hot spots/locations on transmission/distribution circuits and equipment/assets (breakers, arresters, crimps); (b) Health/condition of trees or other vegetation; (c) Height of trees, poles, circuits, and other visible assets; and (d) Imagery of assets to identify damage, degradation, and visible identifying marks. | |
| 9:00 am – 9:45 am | TD8: Safety – U.S. Army Burn Center - Being Best in Class <i>Joint Session with Fossil Committee</i> | <i>Nueces/Frio</i> |
| | Leopoldo C. Cancio, MD, FACS, FCCM, Colonel (ret.), <i>U.S. Army, Director and Surgeon, U.S. Army Burn Center</i> Dr. Cancio will share with us how the burn center became best in class, what continuous improvement methodologies they employ, and how they sustain a best in class culture. <ul style="list-style-type: none"> • Overview of the ISR: mission, history, accomplishments • Excellence requires innovation • Is the military an innovation-friendly institution? Advantages and disadvantages of the institutional setting • How burn care was improved: integrated laboratory and clinical research • How combat casualty care on the battlefield was improved: the case of Iraq and Afghanistan | |
| 9:45 am – 10:15 am | Break | <i>Hill Country Atrium Foyer</i> |

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| 10:15 am – 11:15 am | TD9: Innovation - How to Become a Baldrige Superhero | <i>Blanco/Llano</i> |
| | Dr. Mac McGuire, <i>President and Chief Operating Officer, McGuire & Associates Consulting</i> | |
| | This presentation points to the five critical elements of being a successful person and also for an organization to be successful. This presentation is filled with humor and a great deal of content to assist organizations and individuals in conducting courageous conversations around continuous improvement. Be careful in this presentation because you may find yourself laughing, crying, and learning almost at the same time. Come be entertained and learn the essential elements of organizational and individual success. | |
| 11:15 am – 12:00 pm | TD10: Safety – Safety Sub-Committee Report | <i>Blanco/Llano</i> |
| | Roger Stephens, <i>Oncor</i> | |
| | The Safety Metrics Subcommittee will report their current progress and conduct an open discussion for additional input into the modification of the annual T&D Safety Survey. | |
| 12:00 pm – 1:00 pm | Lunch | <i>Rio Grande</i> |
| 1:00 pm – 1:45 pm | TD11: Innovation – Data Repository Development & Use at ATC | <i>Blanco/Llano</i> |
| | Duncan Brooks, <i>American Transmission Company</i> | |
| | American Transmission Company (ATC) has embarked on building out its data analytics environment based on leveraging an operational data store (ODS) like structure and process. The first of its ODS-like data repositories is focused on outage reliability. We believe this provides ATC the opportunity to improve customer reliability metrics and move towards predictive analytical modelling. In addition, we see benefit in reduced human error and increase system reliability performance. | |
| 1:45 pm – 2:45 pm | TD12: Operations– Cost Metrics Sub-Committee Report | <i>Blanco/Llano</i> |
| | Jeannine Beran, <i>Exelon</i> | |
| | The Cost Metrics sub-committee will report their current progress and conduct an open discussion for additional input into the modification of the annual Survey. | |
| 2:45 pm – 3:15 pm | Break | <i>Hill Country Atrium Foyer</i> |
| 3:15 pm – 3:30 pm | TD13: PSEG Best Practices | <i>Blanco/Llano</i> |
| | Preview of the upcoming PSEG best practices symposium to be held at their corporate facility in Newark, NJ, May 14 & 15, 2018. | |
| 3:30 pm – 4:00 pm | TD14: EUCG Library | <i>Blanco/Llano</i> |
| | Demo of the newly revamped EUCG member library. | |
| 4:00 pm – 5:00 pm | TD15: Daily Wrap Up and General Discussion | <i>Blanco/Llano</i> |
| | Time will be taken to discuss the day’s activities: Were expectations met? What additional information might be of help? What new topics have come up as a result of these discussions? | |
| 6:00 pm | T&D Committee Dinner | |

WEDNESDAY APRIL 25

8:00 am – 8:45 am **TD16: Designer Training** *Blanco/Llano*

CenterPoint has been updating their Designer Training program. This presentation will cover the modifications to the program; needs and results.

8:45 am – 9:45 am **TD17: Workshop Wrap Up and Agenda Planning / T&D Committee Succession Planning** *Blanco/Llano*

Eileen Brannon, *Oncor, T&D Committee Chair*

- Final review & feedback from the workshop – were your expectations met, did the presentations provide you with valuable information to take back to your companies?
- Draft agenda for the fall workshop, including as much detailed information as possible.
- Additionally, election nomination time is approaching. Past Chairs and Vice-Chairs will share their experiences. Open discussion related to expectations from the committee of the incoming Chair, as well as required commitment from the Chair. Open Q&A session to help the committee members begin to think through the process of nominating the next round of T&D Committee leadership.

9:45 am – 10:15 am **Break** *Hill Country Atrium Foyer*

10:15 am – 11:00 am **TD17: Workshop Wrap Up and Agenda Planning / T&D Committee Succession Planning (Cont.)** *Blanco/Llano*

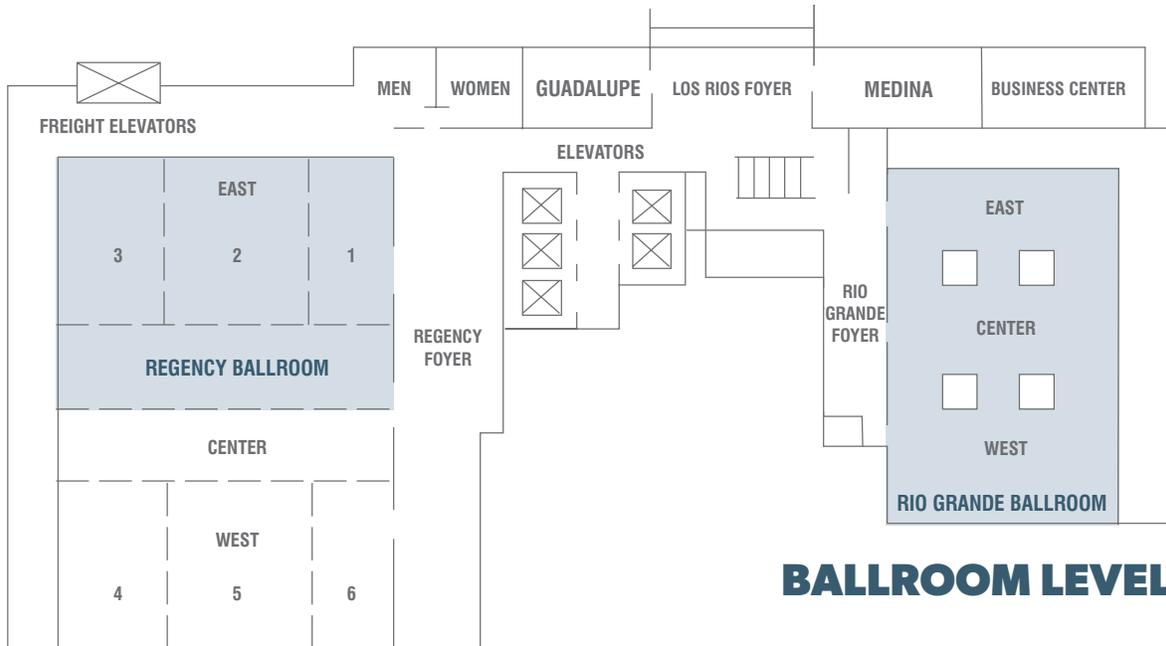
Eileen Brannon, *Oncor, T&D Committee Chair*

- Final review & feedback from the workshop – were your expectations met, did the presentations provide you with valuable information to take back to your companies?
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11:00 am **Adjourn**



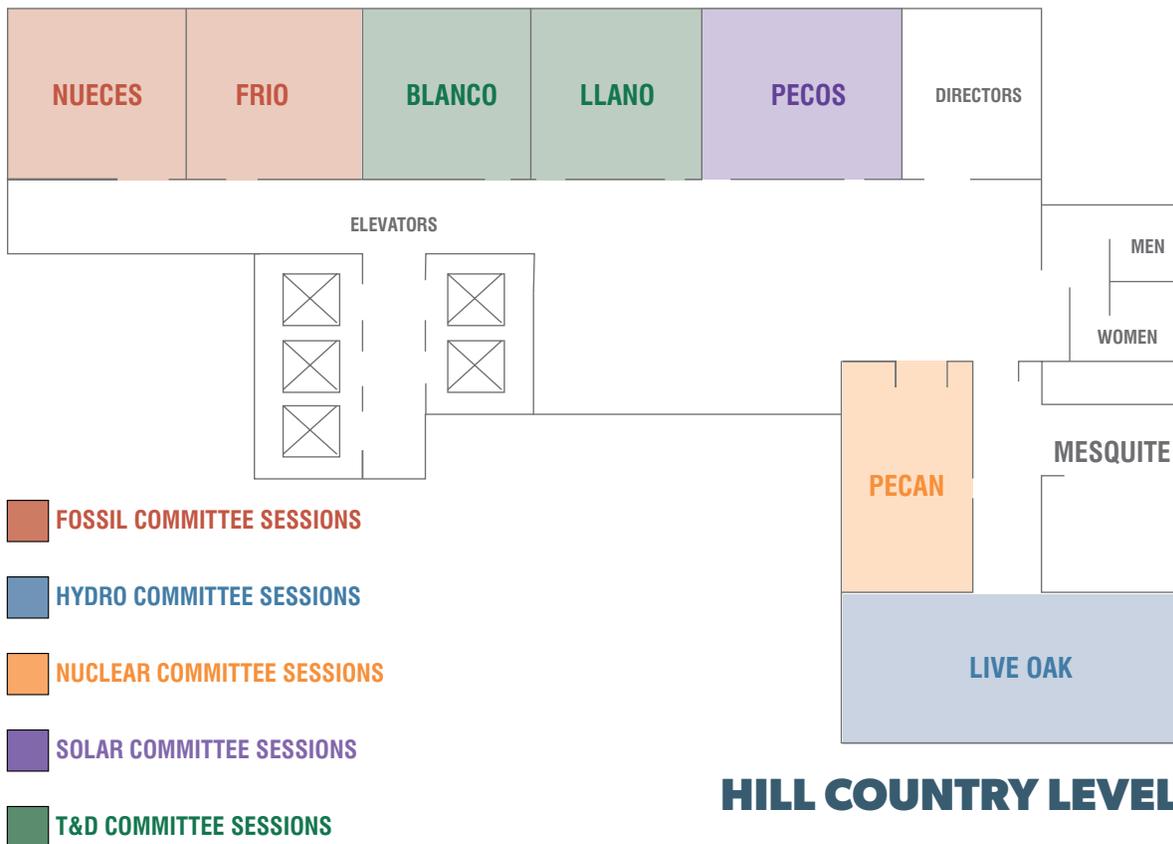
HYATT REGENCY SAN ANTONIO FLOORPLANS



***REGENCY BALLROOM EAST:** General Sessions

***RIO GRANDE:** Meals

***HILL COUNTRY ATRIUM FOYER:** Breaks





EUCG FUTURE MEETINGS

EUCG 2018 FALL WORKSHOP

September 9-12

Grand Hyatt Denver
Denver, CO

EUCG 2018 SPRING WORKSHOP



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