

**EUCG 2017 Fall Workshop**  
 September 17 – 20 • Portland, Oregon

**Fossil Track Schedule**

**Monday, September 18**

<b>Time</b>	<b>Session Title</b>
8:00 – 9:30	<i>EUCG General Session</i>
9:30 – 10:00	<b>Break</b>
10:00 – 11:00	FP-01: Chairman's Remarks / Fossil Keynote
11:00 – 12:00	FP-02: KPIs – Calculating Metrics for a New Energy Market
12:00 – 1:00	<b>Lunch</b>
1:00 – 2:00	FP-03: Commercial Availability
2:00 – 2:45	
2:45 – 3:15	<b>Break</b>
3:15 – 4:15	FP-03: Commercial Availability ( <i>Joint session with Hydro Committee</i> ) – Continued
4:15 – 4:45	FP-04: Monday Debrief

**Tuesday, September 19**

<b>Time</b>	<b>Session Title</b>
8:00 – 9:00	FP-05: Safety Case Studies
9:00 – 9:45	FP-06: Employee-Driven Safety Programs
9:45 – 10:15	<b>Break</b>
10:15 – 11:15	FP-07: Combined Cycle Best Practices – Chemistry
11:15 – 12:00	FP-08: Combined Cycle Operator Training
12:00 – 1:00	<b>Lunch</b>
1:00 – 2:00	FP-09: Root Cause Analysis Processes ( <i>Joint session with T&amp;D Committee</i> )
2:00 – 2:45	FP-10: Lean Initiatives
2:45 – 3:15	<b>Break</b>
3:15 – 4:00	FP-11: Updating CPS Energy's Lock-out/Tag-out Procedure
4:00 – 4:30	FP-12: 2018 Spring Workshop Agenda Development
4:30 – 5:00	FP-13: Tuesday Debrief

**Wednesday, September 20**

<b>Time</b>	<b>Session Title</b>
8:00 – 9:00	FP-14: LTSA or Self-Managed Maintenance?
9:00 – 9:15	FP-15: 2018 Spring Workshop Agenda Review
9:15 – 9:45	FP-16: Wednesday / Conference Debrief
9:45 – 10:15	<b>Adjourn FGC Agenda Track / Break</b>
10:15 – 12:00	Fossil Steering Committee Meeting
12:00	<b>Adjourn</b>

# EUCG 2017 FALL WORKSHOP – FOSSIL GENERATION COMMITTEE SESSIONS

Monday, September 18

Time	Session Description
8:00 – 9:30	<b><i>EUCG General Session</i></b>
9:30 – 10:00	<b>BREAK</b>
10:00 – 11:00	<b>FP-01 – Chairman’s Remarks / Fossil Keynote</b> <b>Steve Royall, Pacific Gas and Electric</b> <b><i>Guest speaker TBA</i></b> <p>Following opening remarks from FGC Chairman Steve Royall, a representative from an FPC member utility or an outside organization will speak to Fossil delegates about the current major business, environmental, or regulatory issues or challenges facing his/her company and the fossil electric generating industry in general.</p>
11:00 – 12:00	<b>FP-02 – KPIs – Calculating Metrics for a New Energy Market</b> <b>Andrew Campbell, Tennessee Valley Authority</b> <p>This session will cover current performance metrics used for generating assets in the coal and gas sector. Discussion will include the calculation of metrics, benefits of these metrics for operating a business, and their limitations in a changing industry.</p>
12:00 – 1:00	<b>LUNCH</b>
1:00 – 2:45	<b>FP-03 – Commercial Availability</b> <b>Ben Zimmerman, Tennessee Valley Authority</b> <b>Andrew Valencia, Lower Colorado River Authority</b> <p>The session will feature the presentation of the results of a survey on how EUCG member utilities calculate and use a Commercial Availability Factor (CAF). The presentation will be followed by a purpose discussion and a work session with the goal of establishing a standardized, CAF metric. <i>The Hydro Committee will join the session from 3:15 – 4:15 p.m.</i></p>
2:45 – 3:15	<b>BREAK</b>
3:15 – 4:15	<b>FP-03 – Commercial Availability (<i>Joint session with Hydro Committee</i>) – Continued</b>
4:15 – 4:45	<b>FP-04 – Monday Debrief</b> <b>Don Barnett, CPS Energy</b> <p>Fossil Steering Committee members will facilitate a daily debrief to capture key ideas and takeaways from the day’s sessions.</p>

Tuesday, September 19	
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Time	Session Description
8:00 – 9:00	<p><b>FP-05: Safety Case Studies</b></p> <p><b>Don Barnett, CPS Energy</b>  <b>Kenneth Mullinax, Tennessee Valley Authority</b>  <b>Steve Royall, Pacific Gas and Electric</b></p> <p>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.</p>
9:00 – 9:45	<p><b>FP-06: Employee-Driven Safety Programs</b></p> <p><b>Brandon Wilson, Tennessee Valley Authority</b></p> <p>Do your employees understand that they have personal accountability for their own safety? During this session, delegates will hear ideas on how they can move their companies away from a management-owned safety approach to one owned by the employees. Management's responsibility is to create and nurture an environment where employees are empowered to believe that working safely is not only possible, but is a personal expectation and one shared with their families. The presentation will demonstrate an approach to move the employees from a reactive state to one of interdependency.</p>
9:45 – 10:15	<b>BREAK</b>
10:15 – 11:00	<p><b>FP-07: Best Practice HRSG Chemistry Control Strategies</b></p> <p><b>Kurt Bayburt and Peter Ten Eyck, Nalco Water</b></p> <p>Today's HRSG power generation units require rigorous attention to chemistry control, both boiler-side and cooling water-side, in order to comply with benchmark Key Performance Indicators (KPIs). Further complicating the situation is the increased variation in load profiles and the shift away from baseload operation. This presentation will discuss the targeted boiler and cooling water KPIs and the best practice chemistry control strategies to achieve these. Discussion will detail the use of amines for condensate/feedwater pH control, phosphate addition for boiler chemistry control, and various cooling water strategies for corrosion, scale, and microbiological control.</p>
11:00 – 12:00	<p><b>FP-08: Combined Cycle Operator Training</b></p> <p><b>Don Barnett, CPS Energy</b>  <b>Bryan Dubreuiel, Austin Energy</b>  <b>Steve Royall, Pacific Gas and Electric</b>  <b>Andrew Valencia, Lower Colorado River Authority</b></p> <p>A panel discussion or presentation on the programs used by FGC member utilities to train operators for combined cycle plants. This session will also address cross-training or retraining plant personnel to transition to combined cycle plants from conventional steam electric generating units.</p>
12:00 – 1:00	<b>LUNCH</b>
1:00 – 2:00	<p><b>FP-09: Root Cause Analysis Processes (<i>Joint session with T&amp;D Committee</i>)</b></p> <p><b>Don Barnett, CPS Energy</b>  <b>David Kole, Oncor</b>  <b>Steve Royall, Pacific Gas and Electric</b></p> <p>Root cause analysis (RCA) is not just for safety incidents anymore; it is for everyday use. This session will focus on the use of RCA across all aspects of operations and highlight the Oncor SCAN app. Oncor has developed internal processes, training, and an app to be provided to all employees relating to RCA and evidence preservation. Oncor will discuss the training given to all employees, the app and the data collected to date from the use of the app. Representatives of FGC member companies will discuss the RCA processes used by their organizations.</p>

# EUCG 2017 FALL WORKSHOP – FOSSIL GENERATION COMMITTEE SESSIONS

Tuesday, September 19 – *Continued*

Time	Session Description
2:00 – 2:45	<p><b>FP-10: Lean Initiatives</b></p> <p><b>Keith Morrison, Omaha Public Power District</b>  <b>Andrew Campbell, Tennessee Valley Authority</b></p> <p>A panel discussion or short case studies describing FGC members’ experiences implementing Lean principles as part of a continuous improvement initiative.</p>
2:45 – 3:15	<b>BREAK</b>
3:15 – 4:00	<p><b>FP-11: Updating CPS Energy’s Lock-out/Tag-out Procedure</b></p> <p><b>Jacob Bissell, CPS Energy</b></p> <p>CPS Energy, the nation’s largest municipally-owned electric and natural gas company, owns and operates a fleet of generating stations with a capacity of approximately 5,500 MW. Recently, in support of CPS Energy’s Zero Harm safety culture, the Power Generation business unit undertook a significant effort to rewrite the Lock-out/Tag-out Procedure that protects workers at the generating facilities from the release of hazardous energy. This session will cover the rewriting process that incorporated inputs from multiple sources with the ultimate goal of producing a step-by-step procedure that meets the requirements of OSHA CFR 29 Part 1910.147, that is trainable, and that works for CPS Energy.</p>
4:00 – 4:30	<p><b>FP-12: 2018 Spring Workshop Agenda Development</b></p> <p><b>Don Barnett, CPS Energy</b></p> <p>Don Barnett, the FGC Vice Chairman and Agenda Coordinator, will facilitate a session devoted to planning the committee’s agenda for the EUCG 2018 Spring Workshop, which is scheduled for April 22 - 25 in San Antonio, Texas. During the planning process, members will vote on agenda topics and identify surveys to update.</p>
4:30 – 5:00	<p><b>FP-13 – Tuesday Debrief</b></p> <p><b>Don Barnett, CPS Energy</b></p> <p>Fossil Steering Committee members will facilitate a daily debrief to capture key ideas and takeaways from the day’s sessions.</p>

## EUCG 2017 FALL WORKSHOP – FOSSIL GENERATION COMMITTEE SESSIONS

Wednesday, September 20	
Time	Session Description
8:00 – 9:00	<p><b>FP-13: LTSA or Self-Managed Maintenance?</b></p> <p><i>Speaker TBA</i></p> <p>A guest speaker will outline things for combined cycle operators to consider when deciding between a long-term service agreement or contractual services agreement and self-managed major maintenance.</p>
9:00 – 9:15	<p><b>FP-14: 2018 Spring Workshop Agenda Review</b></p> <p><b>Don Barnett, CPS Energy</b></p> <p>During this session, Don Barnett will present the most popular topics for inclusion in the FGC agenda at the EUCG 2018 Spring Workshop and recruit speakers, panelists, and survey sponsors.</p>
9:15 – 9:45	<p><b>FP-15: Wednesday / Conference Debrief</b></p> <p><b>Don Barnett, CPS Energy</b></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 conference as a whole.</p>
9:45 – 10:15	<b>BREAK / ADJOURN FOSSIL AGENDA TRACK</b>
10:15 – 12:00	<b>Fossil Steering Committee Meeting</b>
12:00	<b>ADJOURN</b>