

2016

EUCG SPRING

CONFERENCE & WORKSHOP

St. Petersburg, FL | Hilton St. Petersburg Bayfront

▶ APRIL 17-20



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Your Energy Information Source

Dear EUCG Colleagues,

On behalf of the EUCG Board of Directors, we welcome you to the 2016 Spring Conference & Workshop at the Hilton St. Petersburg Bayfront hotel in St. Petersburg, Florida. It has been several years since EUCG has held a workshop in Florida and there is no better spot than St. Petersburg!

The Committee Chairs have worked very hard to assemble the finest presentations at this workshop. I want to again give a special thanks to the members of our Workshop Task Team for the integral role that they have played in putting together all aspects of this workshop. While we know you focus on your particular committee of interest, make sure to take a look at all the committee schedules. You may find that there are things of interest for you or another member of your company.

We are thrilled to have an outstanding line up of keynote speakers for this workshop. To “kick-off” our workshop in the Opening Session Welcome Address, we are pleased to have Alex Glenn, Florida State President of Duke Energy. He is responsible for advancing the company’s rate and regulatory initiatives and managing state and local regulatory and governmental relations, economic development and community affairs and has held this position since 2012. Our Opening General Session Keynote Speaker is John Tomlin, CEO, Tomlin, St. Cyr and former COO of the Auto Club Group. Mr. Tomlin will discuss the strategies and tactics of how AAA Auto Club adapted to increasing competition and customer expectations.

Our tradition of a fun and exciting Monday Evening Networking Event continues as we look forward to a relaxed evening learning about the artful process of microbrewing and enjoying the quaint indoor and outdoor spaces of Green Bench Brewing Co., St. Petersburg’s first microbrewery. It is sure to be a great time!

We are glad that you have joined us in St. Petersburg! Remember to mark your calendar and join us September 18-21, 2016 at the Hilton New Orleans Riverside in New Orleans, Louisiana for the 2016 Fall Conference & Workshop and April 2-5, 2017 at the Marriott Charleston in Charleston, South Carolina for the 2017 Spring Conference & Workshop.

2016 EUCG SPRING CONFERENCE & WORKSHOP



George W. Sharp
EUCG President



Alex Glenn

Florida State President, **Duke Energy**

Alex Glenn is president of Duke Energy's utility operations in Florida, serving approximately 1.7 million electric retail customers in central Florida, including metropolitan St. Petersburg, Clearwater and the Greater Orlando area. He is responsible for advancing the company's rate and regulatory initiatives and managing state and local regulatory and governmental relations, economic development and community affairs.

Glenn has been with Duke Energy (and predecessor companies Progress Energy and Florida Power Corp.) since 1996 in positions of increasing responsibility. In his previous role as general counsel for the Florida utility operations, which he assumed in 2008, Glenn oversaw all regulatory matters affecting the Florida utility. In addition, he served as a key adviser to the Florida state president, as well as other company executive management and the board of directors. He assumed his current position in December 2012.

Before joining Florida Power Corp., Glenn practiced energy law at the international law firm of Morgan, Lewis & Bockius LLP in Washington, D.C.

Glenn earned a bachelor's degree, magna cum laude and Phi Beta Kappa, and law degree, with honors, from the University of Connecticut. He is a member of the Connecticut, Washington, D.C., and Florida bars.



John Tomlin

CEO, **Tomlin, St. Cyr and Associates**
Former COO, **The Auto Club Group**

John Tomlin graduated from the University of Pennsylvania - Wharton School with both a BA and MBA in 1978, majored in Finance and Accounting.

After time at Standard Oil of Ohio and Progressive Insurance, he joined AAA Auto Club South in 1989 as Vice President of Insurance and Financial Services. He assumed increasing responsibilities, becoming COO in 2006 and CEO 2009. In that role, he orchestrated the largest merger in AAA history, combining with The Auto Club Group in October 2011 to form a club with 8.5 million members and \$3.5 Billion in sales. John retired from AAA in June 2015.

John is actively involved in the community, currently serving as Chair of Visit Florida (Florida's Tourism Marketing organization), past chair of The Crisis Center of Tampa Bay and Junior Achievement of West Central Florida and sits on the board of Moffitt Cancer Center and Corbett Preparatory School.

John has also been granted the following designations: Chartered Property Casualty Underwriter (CPCU), Chartered Life Underwriter (CLU), and Chartered Financial Consultant (ChFC).

Upon retiring from AAA, he started Tomlin, St Cyr and Associates, a Real Estate Services Company with Holly (his wife) and Ali (his daughter).



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AGENDA AT A GLANCE 2016 EUCG SPRING CONFERENCE & WORKSHOP

SUNDAY APRIL 17					
8:00 am – 1:00 pm	Board of Directors Meeting				Harberview
4:30 pm – 5:00 pm	New Delegate Orientation				Bayboro
5:00 pm – 8:00 pm	Welcome Reception				St. Petersburg III
MONDAY APRIL 18					
7:00 am – 8:00 am	Breakfast				Grand Bay South Ballroom
8:00 am – 9:30 am	Opening Session and Welcome Address				St. Petersburg I & II
9:30 am – 10:00 am	Break				Lobby III
	FOSSIL Harberview	HYDRO St. Petersburg III	TS Hilton Training Center 4	NUCLEAR Williams/Demens	T&D Hilton Training Center 3
10:00 am – 11:00 am	FP1 (60 min) Chairman's Remarks & Introductions/ Fossil Keynote	HP1 (30 min) Introductions & Business Updates/ Address from HPC Chairman	TS1 (60 min) General Business Meeting	NC1 (60 min) EUCG Introductions & General Business	TD1 (30 min) T&D Welcome, Update, and Business Meeting
		HP2 (90 min) Discussion of HPC Annual Report – Industry Status and Trends			TD2 (45 min) Group Discussion on Survey Timing and Participation
11:00 am – 12:00 pm	FP2 (60 min) Benchmarking in a Changing Energy Market		TS2 (60 min) Business LAN Requirements	NC2 (60 min) Open Forum – Discussion of (pre-submitted) Member Issues	TD3 (45 min) FERC Order 1000
12:00 pm – 1:00 pm	Lunch				Grand Bay South Ballroom

MONDAY APRIL 18 <i>continued</i>	FOSSIL <i>Harborview</i>	HYDRO <i>St. Petersburg III</i>	TS <i>Hilton Training Center 4</i>	NUCLEAR <i>Williams/Demens</i>	T&D <i>Hilton Training Center 3</i>
1:00 pm – 2:00 pm	FP3 (60 min) Cycling Costs for Combined Cycle Plants	HP3 (55 min) Overview of Enel Green Power's Hydro Generating Portfolio	TS3 (60 min) PMO Prioritization	NC3 (60 min) Nuclear Energy Institute (NEI) – Summary of the 2016 Wall St Briefing and NEI's Industry Data	TD4 (45 min) Construction Trends and Cost Escalation
2:00 pm – 2:45 pm	FP4 (45 min) Cross-Training Strategies	HP4 (50 min) Levelizing Fleet Performance with Generation Reliability Index	TS4 (45 min) Aligning IT Benchmark Costs with the Nuclear Committee	NC4 (45 min) Delivering the Nuclear Promise – Overview and Update/Discussion	TD5 (30 min) Enhancing the Customer Experience
2:45 pm – 3:15 pm	Break				<i>Lobby III</i>
3:15 pm – 4:15 pm	FP5 (60 min) Real-Time Performance & Diagnostic Monitoring Centers	HP5 (45 min) Improving Power Plant Performance Through Benchmarking	TS4 (45 min) Aligning IT Benchmark Costs with the Nuclear Committee <i>(continued)</i>	NC5 (60 min) Vendor Tracking – Best Practices – Industry Panel	TD7 (45 min) Feb 2, 2011 Load Shed Event
4:15 pm – 5:00 pm		HP6 (60 min) HPC Database Analysis Topics	TS5 (60 min) Succession Planning	NC6 (45 min) Issue Discussion and Network Session	TD8 (15 min) Member Success Story
5:00 pm – 5:45 pm					TD9 (15 min) Monday Recap
5:45 pm – 9:30 pm	Monday Evening Networking Dinner Event – Green Bench Brewery Enjoy an evening at Green Bench Brewery, St. Petersburg's first craft microbrewery. Connect with international electric utility leaders while learning about the artful process of microbrewing and enjoying the quaint indoor and outdoor spaces. The evening will feature a tasting of the seasonal beer, dinner, dessert, and tours of the brewery along with games, music, and a sketch artist doing portraits. We will again be having shuttles doing constant loops between the hotel and Green Bench Brewery, so even if you have to make it a short evening, you can come out, relax, and enjoy the fun. <i>Buses will operate a continuous loop between the hotel and the brewery 5:45 pm – 9:30 pm</i>				

TUESDAY APRIL 19					
7:00 am – 8:00 am	Breakfast				Grand Bay South Ballroom
	FOSSIL Harborview	HYDRO St. Petersburg III	TS Hilton Training Center 4	NUCLEAR Williams/Demens	T&D Hilton Training Center 3
8:00 am – 9:00 am	FP6 (60 min) Root Cause Analysis Processes & Guidelines Joint Session with T&D in Harborview	HP7 (60 min) Automation of Hydro Plants	TS6 (60 min) 2016 Top Industry Performer (DeMella Award) Presentation – Best Practices in Cyber Security Assessment Joint Session with Nuclear in Williams/Demens	NC7 (60 min) 2016 Top Industry Performer (DeMella Award) Presentation – Best Practices in Cyber Security Assessment Joint Session with TS in Williams/Demens	TD10 (60 min) Root Cause Analysis Processes & Guidelines Joint Session with Fossil in Harborview
9:00 am – 9:45 am	FP7 (45 min) Contractor Safety Joint Session with T&D in Harborview	HP8 (45 min) Work Authorization Process; Survey Review and Discussion	TS7 (45 min) Data Classification	NC8 (45 min) Managing Resources During Organizational Change	TD11 (45 min) Contractor Safety Joint Session with Fossil in Harborview
9:45 am – 10:15 am	Break				Lobby III
10:15 am – 11:00 am	FP8 (45 min) Safety Case Studies Joint Session with T&D in Harborview	HP9 (45 min) O&M Training Program Comparison Discussion	TS8 (60 min) IT/OT Convergence TS9 (45 min) Re-Branding IT in the Utility Industry	NC9 (45 min) Update on Light Water Reactor Sustainability Program	TD12 (45 min) Safety Case Studies Joint Session with Fossil in Harborview
11:00 am – 12:00 pm	FP9 (60 min) Transition from Lagging to Leading Indicators Joint Session with T&D in Harborview	HP10 (60 min) Staffing and Safety Survey Review		NC10 (60 min) International Update – Status of Nuclear Operations outside North America: Janus (Japan)	TD13 (60 min) Transition from Lagging to Leading Indicators Joint Session with Fossil in Harborview
12:00 pm – 1:00 pm	Lunch				Grand Bay South Ballroom

TUESDAY APRIL 19 <i>continued</i>	FOSSIL <i>Harborview</i>	HYDRO <i>St. Petersburg III</i>	TS <i>Hilton Training Center 4</i>	NUCLEAR <i>Williams/Demens</i>	T&D <i>Hilton Training Center 3</i>
1:00 pm – 2:00 pm	FP10 (60 min) CCR/ELG Compliance	HP11 (60 min) Using Market Analytics to Support Outage Decision-Making	TS9 (60 min) Re-Branding IT in the Utility Industry (continued)	NC11 (60 min) NIID Enhancements	TD14 (45 min) Oncor Microgrid Demonstration Project
2:00 pm – 2:45 pm	FP11 (45 min) Dispatch Costing	HP12 (45 min) Use of Public Financial Information to Validate Benchmarking Reporting	TS10 (45 min) 2016 IT Committee Changes and Company Roles	NC12 (45 min) EUCG Nuclear Committee Document Management Overview	TD15 (30 min) Prologis Vehicle Safety
2:45 pm – 3:15 pm	Break				<i>Lobby III</i>
3:15 pm – 4:00 pm	FP12 (60 min) Long-Term Planning for Asset Maintenance	HP13 (60 min) Use of UAS Technologies in Hydro	TSC Benchmark Data Collection Review (45 min)	NC13 (45 min) Major Industry Issues Discussion	TD17 (45 min) Renewable Energy
4:00 pm – 5:00 pm	FP13 (45 min) 2016 Fall Conference Agenda Development	HP14 (45 min) Maintenance vs. Forced Outage Survey Presentation	Wrap Up/Action Items (60 min)	NC14 (60 min) Breakout Session – Major Industry Issues	TD18 (15 min) Tuesday Recap
5:00 pm – 6:00 pm					T&D Committee Team Dinner
6:00 pm – 8:00 pm			TSC Team Dinner		

WEDNESDAY APRIL 20

7:00 am – 8:00 am	Breakfast					<i>Grand Bay South Ballroom</i>
	FOSSIL <i>Harborview</i>	HYDRO <i>St. Petersburg III</i>	TS <i>Hilton Training Center 4</i>	NUCLEAR <i>Williams/Demens</i>	T&D <i>Hilton Training Center 3</i>	
8:00 am – 9:00 am	FP14 (60 min) FPC Business Meeting/Spring Conference Debrief /Fall Conference Agenda Review	HP15 (35 min) Challenges of Maintaining Water Conveyance Systems	2016 TSC Planning Session (105 min)	NC15 (105 min) Breakout Teams – Issue Refinement, Charter Development and Presentations	TD19 (30 min) Substation – Active Shooter Simulation	
		HP16 (45 min) Using Interactive Charts with HPC Database Inputs			TD20 (30 min) Quality Performance Rate Metric	
9:00 am – 9:45 am		HP17 (35 min) New Database Administration and Content Discussion			TD21 (30 min) BGE Risk Registry	
	Fossil Steering Committee Meeting (45 min)					
9:45 am – 10:15 am	Break/Check-Out					<i>Lobby III</i>
10:15 am – 11:00 am	Fossil Steering Committee Meeting (105 min) <i>(continued)</i>	HP18 (45 min) 2016 Data Guide Updates & Data Cycle Schedule	Fall Agenda Topic Discussion (75 min)	NC16 (45 min) Summation of Actions and Overview of Fall 2016 Agenda	TD22 (45 min) Fall 2016 Agenda Build	
11:00 am – 12:00 pm		HP19 (60 min) HPC Business Meeting/2016 Fall Agenda Planning				
				NC17 (60 min) Spring Workshop Wrap-up & Roundtable		
12:00 pm	Adjourn/Boxed Lunch Provided					<i>Lobby III</i>
12:00 pm – 2:00 pm		HP20 (120 min) HPC Leadership Meeting		Nuclear Leadership Meeting (240 min)		
12:00 pm – 4:00 pm						



EUCG SPRING 2016

FOSSIL TRACK SCHEDULE



MONDAY APRIL 188:00 am– 9:30 am **EUCG General Session***St. Petersburg
I & II*9:30 am – 10:00 am **Break***Lobby III*10:00 am – 11:00 am **FP-01: Chairman's Remarks & Introductions/Fossil Keynote***Harborview***Catherine Magliocco**, *Tampa Electric Company*

Following opening remarks from FPC Chairman Ed Taylor, Catherine Magliocco will make a presentation on the Polk Power Station Regional Reclaimed Water Partnership Initiative, which went into service in March of 2015. The project allows Tampa Electric to collect reclaimed water from the city of Lakeland, Florida, treat it, and use it for cooling water at the Polk Power Station.

11:00 am–12:00 pm **FP-02: Benchmarking in a Changing Energy Market***Harborview***Andrew Campbell**, *Tennessee Valley Authority***John Wester**, *Austin Energy*

Panelists from FPC member utilities will discuss how benchmarking has changed within their companies as they change how they operate coal plants, build gas plants, retire or repower coal units, and add renewable generation to their portfolios.

12:00 pm – 1:00 pm **Lunch***Grand Bay
South Ballroom*1:00 pm – 2:00 pm **FP-03: Cycling Costs for Combined Cycle Plants***Harborview***Speakers TBA**

This session will feature a review of the results of an FPC membership survey that collected information on the performance characteristics and cycling costs of combined cycle units and a discussion of the potential effect of cycling on unit reliability.

2:00 pm – 2:45 pm **FP-04: Cross-Training Strategies***Harborview***Don Barnett**, *CPS Energy***Bryan Dubreuiel**, *Austin Energy*

How have you implemented cross-training strategies within your workforce? During this session, panelists will discuss why their companies saw a need to implement cross-training strategies; describe how their companies developed the cross-training program with a union or non-union workforce; provide a brief overview of their cross-training curriculum and skill set qualifiers; and discuss how they addressed any implementation issues that emerged.

2:45 pm – 3:15 pm **Break***Lobby III*3:15 pm – 4:15 pm **FP-05: Real-Time Performance & Diagnostic Monitoring Centers***Harborview***John Allen**, *Owensboro Municipal Utilities***Chris Smitherman**, *Southern Company*

Panelists from FPC member utilities will make short presentations on how their utilities use real-time performance monitoring and diagnostic (M&D) data for early detection and diagnosis of plant equipment and performance issues, and compare the use of in-house versus third-party resources to provide M&D services.

5:45 pm – 9:30 pm **Monday Evening Networking & Dinner Event at Green Bench Brewing Co.**

*Buses will operate a continuous loop between the hotel and the brewery.
Meet in the lobby to take the EUCG charter bus to the brewery.*

TUESDAY APRIL 19

8:00 am– 9:00 am **FP-06: Root Cause Analysis Processes & Guidelines** *Harborview*
(Joint session with T&D Committee)

Randy Beene and **Tammy Luther**, *Oncor*
Bracy Nesbit, *Lower Colorado River Authority*
David Tennis, *Salt River Project*

Root Cause Analysis (RCA) can be a key component of continuous improvement efforts in any organization. During this joint session with the T&D Committee, representatives from EUCG member utilities will discuss their organizations' RCA guidelines. The group will discuss their company's RCA triggers, reporting requirements, and evaluation methods that are intended to improve safety, productivity, process, and failure rates, discuss their company's RCA triggers, reporting requirements, and evaluation methods that are intended to improve safety, productivity, process, and failure rates.

9:00 am –9:45 am **FP-07: Contractor Safety** *Harborview*
(Joint session with T&D Committee)

Steve Royall, *Pacific Gas and Electric Company*
Ted Granger, *Granger Management Consultants, LLC*

During this joint session with the T&D Committee, Ted Granger will discuss implementation of the new OSHA standards for information transfer, and Steve Royall will describe the approach to contractor safety at Pacific Gas and Electric Company. A question-and-answer session and open discussion will follow the panelists' presentations.

9:45 am – 10:15 am **Break** *Lobby III*

10:15 am –11:00 am **FP-08: Safety Case Studies** *Harborview*
(Joint session with T&D Committee)

Bracy Nesbit, *Lower Colorado River Authority*
David Tennis, *Salt River Project*

In this joint session of the Fossil and T&D committees, representatives from EUCG member utilities will present short case studies focused on plant and jobsite safety and safety improvement.

11:00 am–12:00 pm **FP-09: Transition from Lagging to Leading Indicators** *Harborview*
(Joint session with T&D Committee)

Ted Granger, *Granger Management Consultants, LLC*

During this joint session with the T&D Committee, Ted Granger will present on the emerging safety topic of shifting our focus from lagging to leading indicators. How do we transform our culture to one that is open to reporting "near miss" incidents?

12:00 pm – 1:00 pm **Lunch** *Grand Bay South Ballroom*

1:00 pm – 2:00 pm **FP-10: CCR/ELG Compliance** *Harborview*

John Allen, *Owensboro Municipal Utilities*
Ed Healy, *Southern Company Services*

Panelists from FPC member utilities will describe the progress their companies have made and discuss "lessons learned" in complying with the EPA's coal combustion residual (CCR) rules and effluent limitation guidelines (ELG).

2:00 pm – 2:45 pm **FP-11: Dispatch Costing** *Harborview*

Andrew Campbell, *Tennessee Valley Authority*
Edmund Taylor, *Ohio Valley Electric Corporation*

2:45 pm – 3:15 pm **Break** *Lobby III*

TUESDAY APRIL 19 *continued*

3:15 pm – 4:15 pm	FP-12: Long-Term Planning for Asset Maintenance	<i>Harborview</i>
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Matthew Hicks, *DTE Energy*
Edmund Taylor, *Ohio Valley Electric Corporation*

Panelists from FPC member utilities will describe how their utilities perform long-term planning for asset maintenance. Included in the discussion will be a description of how companies identify which projects to execute and how they rank projects to maximize limited resources.

3:45 pm – 4:30 pm	FP-13: 2016 Fall Conference Agenda Development	<i>Harborview</i>
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Steve Royall, *Pacific Gas and Electric Company*

Steve Royall, the FPC Vice Chairman and Agenda Coordinator, will facilitate a session devoted to planning the committee's agenda for the EUCG 2016 Fall Conference, which is scheduled for September 20 – 23 in New Orleans. During the planning process, members will vote on presentations to be made and identify surveys to update.

WEDNESDAY APRIL 20

8:00 am – 9:00 am	FP-14: FPC Business Meeting/Spring Conference Debrief/ Fall Conference Agenda Review	<i>Harborview</i>
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Steve Royall, *Pacific Gas and Electric Company*
Edmund Taylor, *Ohio Valley Electric Corporation*

Ed Taylor, FPC Chairman, will conduct a short business meeting to provide updates on recent EUCG board meetings and to present FPC membership and budget status reports. He will also lead delegates in an assessment of the agenda format and topics covered during the previous two days.

Following the business meeting, Steve Royall will review the results of the previous afternoon's planning session, present a preliminary FPC agenda for the EUCG 2016 Fall Conference, and begin the process of identifying speakers and panelists.

9:00 am	Fossil Track Adjourns
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9:00 am – 9:45 am	Fossil Steering Committee Meeting	<i>Harborview</i>
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Edmund Taylor, *Ohio Valley Electric Corporation*

The Fossil Steering Committee will hold a working session to review its current strategic and marketing plans.

9:45 am – 10:15 am	Break	<i>Lobby III</i>
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10:15 am – 12:00 pm	Fossil Steering Committee Meeting <i>(continued)</i>	<i>Harborview</i>
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12:00 pm	Adjourn/Box Lunch provided	<i>Lobby III</i>
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EUCG SPRING 2016

HYDRO TRACK SCHEDULE

MONDAY APRIL 188:00 am– 9:30 am **EUCG General Session***St. Petersburg
I & II*9:30 am – 10:00 am **Break***Lobby III*10:00 am – 10:30 am **HP-01: Introductions & Business Updates/Address from
HPC Chairman***St. Petersburg III***Chris Utracki**, *Ontario Power Generation*

Introductory session to give new members the opportunity to introduce themselves and their companies, as well as for all members to share annual business updates and "headline news" happening at their companies.

10:30 am–12:00 pm **HP-02: Discussion of HPC Annual Report—Industry Status and Trends** *St. Petersburg III***Jim Miller**, *Signal Hydropower Consultants*

Jim will lead a discussion with the committee attendees regarding the HPC Annual Report and identify trends and current/future status.

12:00 pm – 1:00 pm **Lunch***Grand Bay
South Ballroom*1:00 pm – 1:55 pm **HP-03: Overview of Enel Green Power's Hydro Generating Portfolio;
New Control & Information Center Operations***St. Petersburg III***Conrad St. Pierre**, *Enel EGP North America***Anna De Cata**, *ENEL EGP*

The presentation will include an overview of Enel Green Power's generating portfolio focusing on technological improvements world-wide. It will discuss Enel's North American portfolio growth and discuss the recent projects such as the new control and information center.

1:55 pm – 2:45 pm **HP-04: Levelizing Fleet Performance with Generation Reliability Index** *St. Petersburg III***Shaun Mehaffey**, *Southern California Edison*

This session will focus on Southern California Edison's internally created Generation Reliability Index. We will examine why SCE transitioned to this measurement methodology, what and how components are measured, and how the metric is utilized within the Utility.

2:45 pm – 3:15 pm **Break***Lobby III*3:15 pm – 4:00 pm **HP-05: Improving Power Plant Performance Through Benchmarking***St. Petersburg III***Sophia Tijani**, *Volta River Authority*

Sophia will share the benefits VRA has derived from associating with EUCG and HPC, particularly with respect to plant performance initiatives.

4:00 pm – 5:00 pm **HP-06: HPC Database Analysis Topics***St. Petersburg III***Patrick O'Connor**, *Oak Ridge National Laboratory*

Patrick O'Connor presents on continued analysis of the HPC cost database, including a comparison of how the use of Purchasing Power Parity versus Exchange Rates influences benchmarking results from utilities outside of North America

5:45 pm – 9:30 pm **Monday Evening Networking & Dinner Event at Green Bench Brewing Co.**

*Buses will operate a continuous loop between the hotel and the brewery.
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TUESDAY APRIL 19

8:00 am – 9:00 am	HP-07: Automation of Hydro Plants	<i>St. Petersburg III</i>
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Joel Preheim, *Southern California Edison*

Joel will present both theoretical and practical concepts related to automating hydro plants that began life as fully staffed. The automation of the SCE Big Creek hydro system will be the subject presentation. The presentation will cover initial design considerations and conventions through operation with real world examples and lessons learned.

9:00 am – 9:45 am	HP-08: Work Authorization Process; Survey Review and Discussion	<i>St. Petersburg III</i>
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Shaun Mehaffey, *Southern California Edison*

Shaun will present the results of the survey and lead a discussion of those results. Please come prepared to share details and methodologies that are in use at your company.

9:45 am – 10:15 am	Break	<i>Lobby III</i>
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10:15 am – 11:00 am	HP-09: O&M Training Program Comparison Discussion	<i>St. Petersburg III</i>
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Matt Allen, *Tennessee Valley Authority*

Matt will provide an overview of the TVA Multi-Skill Training Program and how it has evolved over the years and will briefly touch on position requirements, timelines, and curriculum.

11:00 am – 12:00 pm	HP-10: Staffing and Safety Survey Review	<i>St. Petersburg III</i>
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Jim Miller, *Signal Hydropower Consultants*

The session will present results of the joint safety survey with the National Hydropower Association's (NHA) Hydraulic Power Committee and will include OSHA metrics, trends and a look at the leading factors (Part B). Recommendations for possible revisions to Part B of the survey will also be presented. In addition, modifications to the staffing level survey to collect plant level data will be tabled for a review and discussion.

12:00 pm – 1:00 pm	Lunch	<i>Grand Bay South Ballroom</i>
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1:00 pm – 2:00 pm	HP-11: Using Market Analytics to Support Outage Decision-Making	<i>St. Petersburg III</i>
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Jason Patel, *Pacific Gas & Electric Company*

Jason Patel will present on how PG&E utilizes their new market analytics tool (Value Based Reliability), processes, and governance to support outage-decision around timing and duration of outages in both short-notice situations and for mid & long-term planning.

2:00 pm – 2:45 pm	HP-12: Use of Public Financial Information to Validate Benchmarking Reporting	<i>St. Petersburg III</i>
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David Sanna, *United States Army Corps of Engineers*

David will lead a discussion on the suggestion of using publically available utility financial information to validate benchmarking data submissions. David will present the Corps' own data validity process using internal financial statements. Follow-on discussions will focus on the adequacy of internal vs. public financial information, with the goal of prescribing possible changes to the annual Peer Review process.

2:45 pm – 3:15 pm	Break	<i>Lobby III</i>
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3:15 pm – 4:15 pm	HP-13: Use of UAS (Unmanned aerial systems or drones) Technologies in Hydro	<i>St. Petersburg III</i>
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Shaun Mehaffey, *Southern California Edison*

Peter Hassan, *Ontario Power Generation*

Shaun and Peter will lead a committee discussion on the uses of unmanned aerial systems in hydro generation, including challenges and costs. Please come prepared to share your company's use, challenges or consideration to implement this technology.

TUESDAY APRIL 19 *continued*4:15 pm – 5:00 pm **HP-14: Maintenance vs. Forced Outage Survey Presentation** *St. Petersburg III***Matt Allen**, *Tennessee Valley Authority*

A look at Maintenance Outage vs. Forced Outage trends, and their relation to Unplanned Outage rates/factors.

WEDNESDAY APRIL 208:00 am – 8:35 am **HP-15: Challenges of Maintaining Water Conveyance Systems From Both a Risk and Cost Standpoint** *St. Petersburg III***Jason Patel**, *Pacific Gas & Electric Company***Clark Bishop**, *United States Bureau of Reclamation*

Jason Patel and Clark Bishop will provide an overview of PG&E's and USBR's water conveyance systems which include tunnels, flumes, siphons, and canal systems. They will elaborate on the additional costs and risk exposure attributed to these systems.

8:35 am – 9:10 am **HP-16: Using Interactive Charts with HPC Database Inputs** *St. Petersburg III***Andrew Deatherage**, *Bonneville Power Administration*

Drew will present a web-interactive tool developed using R. The tool can instantaneously create cost distribution charts, trend charts, indexes, and exportable datasets based on the chart being viewed. The tool is in development stages."

9:10 am – 9:45 am **HP-17: New Database Administration and Content Discussion** *St. Petersburg III***Chris Utracki**, *Ontario Power Generation*

The Committee is changing database administrator; the web site functionalities are being reviewed and this is the opportune time to discuss adding or changing current functionalities of the database. We want to test effectiveness of the data querying capabilities, utilities' control of their own data, or any other application that may benefit from quicker data processing. In addition, current crystal reports (with fixed presentation formats) can be replaced with MS excel files that will allow the option to be easily customized by users; we hope to establish a library of interesting templates. We will also discuss new streamlined data submission template. The session is opened for any database improvement suggestions.

9:45 am – 10:15 am **Break/Check Out** *Lobby III*10:15 am – 10:45 am **HP-18: 2016 Data Guide Updates & Data Cycle Schedule** *St. Petersburg III***Dave Sanna**, *United States Army Corps of Engineers***John Schuknecht**, *Pacific Gas & Electric Company*

During this session, John will review the 2016 data cycle and schedule for submitting 2015 data. He will also present the revised 2016 data template and demo the template to ensure members know what is expected in this year's data cycle. David will lead a discussion on the changes to the new 2016 Data Guide and moderate a feedback session for any questions on new data definitions and reporting procedures.

10:45 am – 12:00 pm **HP-19: HPC Business Meeting/2016 Fall Agenda Planning** *St. Petersburg III***Chris Utracki**, *Ontario Power Generation*

During this session we will discuss Committee's business matters, provide budget update and develop the initial agenda for the Fall 2016 HPC meeting. Please come prepared to suggest topics that you would like discussed or where you have something to share with the rest of the committee.

10:45 am – 12:00 pm **HP-20: HPC Leadership Meeting (Working Lunch)** *St. Petersburg III***Chris Utracki**, *Ontario Power Generation*

Planning for the upcoming workshops, lessons learned, & strategic issues.

12:00 pm **Adjourn/Box Lunch provided** *Lobby III*



EUCG SPRING 2016

TS TRACK SCHEDULE

MONDAY APRIL 188:00 am– 9:30 am **EUCG General Session***St. Petersburg
I & II*9:30 am – 10:00 am **Break***Lobby III*10:00 am – 11:00 am **TS-01: General Business Meeting***Hilton Training
Center 4***Jacque Fuller**, *Energy Northwest*11:00 am–12:00 pm **TS-02: Business LAN Requirements***Hilton Training
Center 4***Darrel Barr**, *STP Nuclear Operating Company*

How do you gain access to the LAN and specific systems and what are the requirements?
Contractors/Remote Access/How is access handled? Includes a mini survey.

12:00 pm – 1:00 pm **Lunch***Grand Bay
South Ballroom*1:00 pm – 2:00 pm **TS-03: PMO Prioritization—Run, Grow, Transform***Hilton Training
Center 4***Eric Fowler**, *American Transmission Company*

Different methodologies on how companies categorize projects as run, grow, transform.

2:00 pm – 2:45 pm **TS-04: Aligning IT Benchmark Costs with the Nuclear Committee***Hilton Training
Center 4***Jack Flack**, *JEF Services*

This session will continue the discussion on Nuclear IT benchmark cost data including a
comparison of definitions and data reported in the Nuclear and IT benchmarks.

2:45 pm – 3:15 pm **Break***Lobby III*3:15 pm – 4:00 pm **TS-04: Aligning IT Benchmark Costs with the Nuclear Committee**
*(continued)**Hilton Training
Center 4*4:00 pm – 5:00 pm **TS-05: Succession Planning – Growing Your People***Hilton Training
Center 4***Cynthia McPhaul**, *Oncor Electric Delivery*

How are companies developing new staff as senior staff plan retirement?

5:45 pm – 9:30 pm **Monday Evening Networking & Dinner Event at Green Bench Brewing Co.**

*Buses will operate a continuous loop between the hotel and the brewery.
Meet in the lobby to take the EUCG charter bus to the brewery.*

TUESDAY APRIL 19

8:00 am– 9:00 am **TS-06: 2016 Top Industry Performer (DeMella Award) Presentation** *Williams/ Demens*
Best Practices in Cyber Security Assessment
(Joint Session with Nuclear)

Nolan Henrich, *Tennessee Valley Authority*

Every U.S. nuclear plant is required to develop a cyber security plan that assures digital and computer systems are protected from cyber attacks. Tennessee Valley Authority is unique among utilities: its cyber program must meet the requirements of both the Nuclear Regulatory Commission and the federal Office of Management and Budget. Fleet wide, TVA has approximately 7,800 critical digital assets that are subject to these requirements. Each of these assets must be evaluated against 670 cyber security controls, for a total of 5.2 million control asset interactions. TVA developed and implemented an assessment process and tool which enabled them to evaluate all the interactions in just 42 weeks. The system streamlines the assessment process and ensures consistency in evaluating the cyber security controls and documenting these assessments across the fleet. It also ensures consistency in developing any necessary remediation actions. As such, the process and the software implementation tool enables TVA to provide high assurance that digital assets are protected. The cost fleet wide for the identification, assessment and remediation action development for the 7,800 critical digital assets was approximately 1 million dollars, much less than the 25 million dollars estimated by vendors. This initiative earned TVA the Top Industry Performer Award in 'Materials, Management Processes and Support Services' category.

The EUCG NC will also formally recognize TVA with the presentation of the 2015 DeMella Award. The EUCG Nuclear member company recipient of this award has been deemed to have demonstrated a high standard of innovation and dedication to improving the value delivered by its business management processes. The TVA presentation will be followed by a brief member discussion as to how these best practices can be incorporated/adapted into their respective companies.

9:00 am –9:45 am **TS-07: Data Classification** *Hilton Training Center 4*

Jacque Fuller, *Energy Northwest*
Eric Fowler, *American Transmission Company*

How are companies addressing significant growth in data and integration between large enterprise systems?

9:45 am – 10:15 am **Break** *Lobby III*

10:15 am – 11:15 am **TS-08: IT/OT Convergence** *Hilton Training Center 4*

Mac Khamis, *Bruce Power*
Darrell Barr, *STP Nuclear*

How are utilities handling support for Information Technology (IT) and Operational Technology (OT)? This session will focus on overlapping ownership and accountabilities at various companies.

11:15 am–12:00 pm **TS-09: Re-Branding IT in the Utility Industry** *Hilton Training Center 4*

Waco Bankston, *STP Nuclear Operating Company*

With increased emphasis on improving performance and cost effectiveness of IT, this presentation focuses on STP.

12:00 pm – 1:00 pm **Lunch** *Grand Bay South Ballroom*

TUESDAY APRIL 19 *continued*1:00 pm – 2:00 pm **TS-9: Re-Branding IT in the Utility Industry** (*continued*)*Hilton Training Center 4***Waco Bankston**, *STP Nuclear Operating Company*2:00 pm – 2:45 pm **TS-10: 2016 IT Committee Changes and Company Roles***Hilton Training Center 4***Jaque Fuller**, *Energy Northwest*

This session will address the transition of past and new members along with roles and responsibilities.

2:45 pm – 3:15 pm **Break***Lobby III*3:15 pm – 4:00 pm **TSC Benchmark Data Collection Review****Chris Messer**, *IT Database Manager*

Chris will go over the new Technology Committee benchmark data entry and reporting system. She will also cover the 2016 benchmark data collection schedule.

4:00 pm – 5:00 pm **Wrap up/Action Items**6:00 pm – 8:00 pm **TSC Team Dinner****WEDNESDAY** APRIL 209:00 am – 9:45 am **2016 TSC Planning Session****Jaque Fuller**, *Energy Northwest*9:45 am – 10:15 am **Break/Check Out***Lobby III*10:15 am – 11:30 am **Fall Agenda Topic Discussion****Jaque Fuller**, *Energy Northwest*12:00 pm **Adjourn/Box Lunch provided***Lobby III*



EUCG SPRING 2016

NUCLEAR TRACK SCHEDULE

MONDAY APRIL 188:00 am– 9:30 am **EUCG General Session**St. Petersburg
I & II9:30 am – 10:00 am **Break**

Lobby III

10:00 am – 11:00 am **NC-01: Introduction & EUCG Business Update**Williams/
Demens**David Ward**, *Chair, Nuclear Committee***Glenn Inouye**, *Vice Chair, Nuclear Committee*

David Ward will kick-off the agenda for the Spring 2016 Nuclear Workshop, by facilitating the introduction of the workshop attendees, highlighting the workshop agenda and discussing general EUCG NC business and related issues.

Glenn Inouye will provide the attendees with highlights of the EUCG Nuclear Committee 2016 Strategic Plan and the key Tactical initiatives.

***Note:** If attendees have any issue (s) they would like addressed at this workshop, they need to complete the Issue Form (NC-FM-09 included in the registration material) and provide it to the Nuclear Committee Coordinator (NCC), during this session. The Chair will raise these issues in the NC2 or the NC6 Open Forum session.*

11:00 am–12:00 pm **NC-02: Open Forum—Discussion of Member Issues**Williams/
Demens**David Ward**, *Chair, Nuclear Committee*

David Ward will facilitate this session to address the issues submitted by members prior to the workshop. This will be followed by other issues that members submit via the Issue Forms during session NC1. If all the submitted issues cannot be addressed in this session—the remainder will be assigned for discussion in session NC6. This discussion of issues is intended to encourage members to interact with their peers during the workshop. The questions raised during this session can include polling type questions; inquiring about specific practices or tools deployed by other member companies. Where possible, the answers can be provided during this session. If the issue is deemed a major one, it could result in a breakout session on Tuesday.

***Note:** Workshop attendees have the opportunity to meet with their counterparts in session NC6 to further discuss and address/resolve the issues raised during this session.*

12:00 pm – 1:00 pm **Lunch**Grand Bay
South Ballroom1:00 pm – 2:00 pm **NC-03: Nuclear Energy Institute (NEI) – Summary of the 2016 Wall St briefing and NEI's Industry Data Analysis**Williams/
Demens**Matt Crozat** and **Mike Purdie**, *Nuclear Energy Institute*

Matt Crozat and Mike Purdie will present the Nuclear Energy Institutes's 2016 briefing on nuclear power to the Wall Street financial analysts. This annual briefing provides an overview of the nuclear energy sector's policy priorities, its 2015 safety and operating performance, and opportunities and challenges in the global nuclear energy market.

MONDAY APRIL 18 *continued*

2:00 pm – 2:45 pm	NC-04: Delivering the Nuclear Promise—Overview and Update/Discussion	<i>Williams/ Demens</i>
	<p>Barry Yeargin, <i>Dominion Generation</i> Matt Crozat, <i>Nuclear Energy Institute</i></p> <p>The 'Nuclear Promise' Program being 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. This initiative, being coordinated by NEI, will:</p> <ul style="list-style-type: none"> – Analyze cost drivers and redesign plant processes to improve efficiency – Target significant reduction in reactor operating expenses by 2018 – Highlight the value of nuclear energy in the electricity markets <p>Matt Crozat and Barry Yeargin will provide insights on the industry analysis from 2015 and how the data was used and complemented with other information to provide a more granular picture of the state of the plants. They will also provide an update as to how this initiative has evolved since the Fall of 2015. This will include the early selections for efforts to improve efficiency that may well be underway by early 2016.</p>	
2:45 pm – 3:15 pm	Break	<i>Lobby III</i>
3:15 pm – 4:15 pm	NC-05: Vendor Tracking—Best Practices—Industry Panel	<i>Williams/ Demens</i>
	<p>Peter Risteen (Lead), <i>Bruce Power</i> Leo Saagi, <i>Ontario Power Generation</i> Randy Arnold, <i>American Electric Power</i></p> <p>The Panel will discuss Vendor management issues and best practices from their respective companies and others that they are aware of. The purpose is how do we get more “bang” for the “buck” from Vendor expenditures. It will cover:</p> <ul style="list-style-type: none"> – What are the best means of tracking contractor costs – How to make sure that contractors are performing in relation to contracted incentives – How to partner with contractor for continuous improvement 	
4:15 pm – 5:00 pm	NC-06: Issue Discussion and Network Session	<i>Williams/ Demens</i>
	<p>V. Gonsalves, <i>Nuclear Committee Coordinator (NCC)</i></p> <p>Issues submitted but not addressed at the NC2 session will be addressed during this session. In addition, this session allows an opportunity for members to network with their counterparts to discuss further details/answers to questions raised in the issue (from NC2, NC6) discussions</p>	
5:45 pm – 9:30 pm	<p>Monday Evening Networking & Dinner Event at Green Bench Brewing Co.</p> <p><i>Buses will operate a continuous loop between the hotel and the brewery. Meet in the lobby to take the EUCG charter bus to the brewery.</i></p>	

TUESDAY APRIL 19

8:00 am– 9:00 am	NC-07: 2016 Top Industry Performer (DeMella Award) Presentation —Best Practices in Cyber Security Assessment (Joint Session with TS)	Williams/ Demens
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Nolan Henrich, *Tennessee Valley Authority*

Every U.S. nuclear plant is required to develop a cyber security plan that assures digital and computer systems are protected from cyber attacks. Tennessee Valley Authority is unique among utilities: its cyber program must meet the requirements of both the Nuclear Regulatory Commission and the federal Office of Management and Budget. Fleet wide, TVA has approximately 7,800 critical digital assets that are subject to these requirements. Each of these assets must be evaluated against 670 cyber security controls, for a total of 5.2 million control-asset interactions. TVA developed and implemented an assessment process and tool, which enabled them to evaluate all the interactions in just 42 weeks. The system streamlines the assessment process and ensures consistency in evaluating the cyber security controls and documenting these assessments across the fleet. It also ensures consistency in developing any necessary remediation actions. As such, the process and the software implementation tool enables TVA to provide high assurance that digital assets are protected. The cost fleet-wide for the identification, assessment and remediation action development for the 7,800 critical digital assets was approximately 1 million dollars, much less than the 25 million dollars estimated by vendors. This initiative earned TVA the Top Industry Performer Award in 'Materials, Management Processes and Support Services' category. Mr. Nolan Henrich, who serves as the TVA's nuclear fleet cyber security program manager will provide insights as to how they went about executing this initiative.

The EUCG NC will also formally recognize TVA with the presentation of the 2015 DeMella Award. The EUCG Nuclear member company recipient of this award has been deemed to have demonstrated a high standard of innovation and dedication to improving the value delivered by its business management processes.

The TVA presentation will be followed by a brief member discussion as to how these best practices can be incorporated/adapted into their respective companies.

9:00 am – 9:45 am	NC-08: Managing Resources during Organizational Change	Williams/ Demens
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Shari Bella, *Talen Energy*

Shari will provide a general overview of the spinoff of Susquehanna from PPL Corporation to Talen Energy. The overview will include discussion on how the company is managing the challenges associated with staffing and streamlining of work within the Independent Power Producer environment. This will be followed by a brief open forum discussion to gain feedback from other member companies who are in the process of or have undergone staff changes/movements for various reasons.

9:45 am – 10:15 am	Break	Lobby III
10:15 am – 11:00 am	NC-09: Update on Light Water Reactor Sustainability Program	Williams/ Demens

Ken Thomas, *Idaho National Labs, United States Department of Energy*

Ken Thomas will present an update on the modernization strategy for a transformed nuclear plant-operating model developed as part of the Advanced Instrumentation, Information, and Control (II&C) research pathway, under the Light Water Reactor (LWR) Sustainability Program. This R&D program sponsored by the U.S. DOE, in collaboration with the industry, to provide the technical foundations for licensing and managing the long-term, safe and economical operation of current power plants. Ken provided an overview of this work, two years ago and the presentation generated significant interest within the Committee.

TUESDAY APRIL 19 *continued*

11:00 am–12:00 pm	NC-10: International Update – Status of Nuclear Operations	<i>Williams/ Demens</i>
	<p>Ms. Junko Sugaya, Janus (Japan)</p> <p>JANUS as the new coordinating representative for all the Japanese utilities will present how EUCG information is used within the Japanese nuclear industry. They will discuss:</p> <ul style="list-style-type: none"> – The data/trend presented, – Who it is presented to – How does the EUCG data trend/analysis for North America/Other Internationals compare to the trend for Japanese utilities? – How do the Japanese utilities use the EUCG trend information i.e. for internal benchmarking, target setting, etc? Are there any takeaways/lessons learned/anomalies from the EUCG data 	
12:00 pm – 1:00 pm	Lunch	<i>Grand Bay South Ballroom</i>
1:00 pm – 2:00 pm	NC-11: Nuclear Integrated Database (NIID) Enhancements	<i>Williams/ Demens</i>
	<p>Christine Messer, Database Manager, Nuclear Committee Ives Zaldumbide, PG&E – Database Input Process Improvement</p> <p>Christine Messer will present the latest upgrades to NIID. These include enhancements to the data definition, new reports, and the development of CBT training feature.</p> <p>Ives Zaldumbide (PG&E) will briefly share the feedback from implementing their EUCG survey data input process improvement initiative</p>	
2:00 pm – 2:45 pm	NC-12: EUCG Nuclear Committee Document Management Overview	<i>Williams/ Demens</i>
	<p>David Ward, Chair, Nuclear Committee</p> <p>David Ward will provide an overview of the NC document management process. Included in the presentation will be the NC document map which lists the approved NC guidance documents; the purpose behind the standards adopted for categorization of the documents and how to access NC documents and information. By having a comprehensive document management process this will provide easy access for members and ensure long-term sustainability of the NC. Also included in the presentation will be the results from the EUCG, Inc. Resource Library project.</p>	
2:45 pm – 3:15 pm	Break	<i>Lobby III</i>
3:15 pm – 4:00 pm	NC-13: Major Industry Issues Discussion	<i>Williams/ Demens</i>
	<p>David Ward, Chair, Nuclear Committee</p> <p>David Ward will present the high-level nuclear business issues that emanated from the NC2/NC6 session on Monday. The issues will be discussed and ranked to effectively utilize the experienced resources present at the Workshop. There are typically a maximum of 4 Breakout Teams at the Workshop, given the resources available. The expectation is that the Breakout Team members will continue the scoping/problem definition of these issues and develop draft Task Charters and present their proposals to the Committee in NC14, NC15.</p>	
4:00 pm – 5:00 pm	NC-14: Breakout Team Session - Major Industry Issues	<i>Williams/ Demens</i>
	<p>This session has been reserved for breakout team discussion and problem analysis assigned from NC13.</p>	

WEDNESDAY APRIL 20

8:00 am – 9:45 am **NC-15: Breakout Team Session—Issue Refinement, Charter Development & Presentations**

*Williams/
Demens*

The Breakout Teams settle on the problem statements to work towards developing a 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.

The **Breakout Team Leads** present the Charters to the Nuclear Committee. The Committee provides feedback on the presentations. The draft Charters are left with the Nuclear Leadership Team to progress into Task Teams (resources, timelines, etc.) — which will take form *after the Workshop*.

9:45 am – 10:15 am **Break/Check Out**

Lobby III

10:15 am – 11:00 am **NC-16: Summation of Workshop Actions and Overview of Fall 2016 Agenda**

*Williams/
Demens*

David Ward, *Chair, Nuclear Committee*

David will summarize the workshop actions and present a preliminary view of the Fall 2016 Workshop (September 2016 – New Orleans, LA) agenda.

11:00 am – 12:00 pm **NC-17: Spring Workshop Wrap-up & Roundtable**

*Williams/
Demens*

Glenn Inouye, *Vice-Chair, Nuclear Committee*

Glenn Inouye will wrap-up the workshop and solicit member feedback on the workshop content and facilities..

12:00 pm **Adjourn/Box Lunch provided**

Lobby III

12:00 pm – 4:00 pm **Nuclear Leadership Team Meeting**
Nuclear Leadership Team members only

*Williams/
Demens*





EUCG SPRING 2016

T&D TRACK SCHEDULE

MONDAY APRIL 188:00 am– 9:30 am **EUCG General Session***St. Petersburg
I & II*9:30 am – 10:00 am **Break***Lobby III*10:00 am – 10:30 am **TD-01: Welcome, Update, and Business Meeting***Hilton Training
Center 3***Jesse Medlock**, *Oncor Electric Delivery, T&D Forum Chairperson*

This session will incorporate the following:

- Welcome new members and member introduction – promote interaction and networking during the Workshop.
- Board of Director's update – communicate information on any new products/services and major policy changes.
- General business meeting – discuss recent changes in the T&D benchmarking arena; seminar agenda overview.
- Welcome new members and member introduction – promote interaction and networking during the Workshop.
- Member company overview.

10:30 am–11:15 pm **TD-02: Group Discussion on Survey Timing and Participation***Hilton Training
Center 3*

- ATC Metrics Model
- Customer/Field Service Safety
- T&D Safety
- System Reliability
- Transmission Cost

11:15 am–12:00 pm **TD-03: FERC Order 1000***Hilton Training
Center 3***Jim Eckert**, *ComEd*

This presentation will include an overview of FERC Order 1000. Discussion will cover items of particular interest, as well as discuss areas in which best practices may be gained.

12:00 pm – 1:00 pm **Lunch***Grand Bay
South Ballroom*1:00 pm – 1:45 pm **TD-04: Construction Trends and Cost Escalation***Hilton Training
Center 3***George Sharp**, *American Electric Power*

George will continue to expand upon his series of presentations focusing on the macroeconomic and industry/regulatory drivers that impact T&D project cost over the short, medium, and long term.

1:45 pm – 2:15 pm **TD-05: Enhancing the Customer Experience***Hilton Training
Center 3***Martin Narendorf**, *CenterPoint*

In this presentation, steps being taken at CenterPoint energy will be discussed describing the current journey undertaken to deliver this enhanced customer experience for the utility customer. The methods to assess and enhance the customer experience as well as discussion of the use of multiple communication channels to exceed the customer's expectations are visited. These enhancements are necessary as the utility industry assumes the distribution service provider role through the increasing development and utilization of emerging energy technologies.

MONDAY APRIL 18 *continued*

2:15 pm – 2:45 pm	TD-06: Lightning Correlation	<i>Hilton Training Center 3</i>
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Bryan Beske, ATC

Lightning and the ATC system: a presentation on two aspects. The first will cover the outage correlations process with examples ranging from a simple correlation to ones where the data doesn't add up. The second will cover a new metric to help compare system performance from year to year—the batting average.

2:45 pm – 3:15 pm	Break	<i>Lobby III</i>
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3:15 pm – 4:0 pm	TD-07: Feb 2, 2011 Load Shed Event—Lessons Learned and Path Forward	<i>Hilton Training Center 3</i>
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Randy Beene, Oncor Electric Delivery

- What is your company's expectation in regards to breaker performance?
- Is good performance really good enough?
- Is your fleet's job done once the load shed is executed?
- Think you know where your low performing clusters are?
- How do you get better and at what cost?

4:00 pm – 4:15 pm	TD-08: Member Success Story	<i>Hilton Training Center 3</i>
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T&D Member Company

Process improvement and benchmarking best practices/success stories to be shared by a committee member company.

4:15 pm – 4:30 pm	TD-09: Monday Recap	<i>Hilton Training Center 3</i>
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Jesse Medlock, Oncor Electric Delivery, T&D Forum Chairperson

Facilitated discussion to gather feedback from members on the day's presentations.

5:45 pm – 9:30 pm	Monday Evening Networking & Dinner Event at Green Bench Brewing Co.
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*Buses will operate a continuous loop between the hotel and the brewery.
Meet in the lobby to take the EUCG charter bus to the brewery.*

TUESDAY APRIL 19

8:00 am– 9:00 am	TD-10: Root Cause Analysis Processes & Guidelines <i>(Joint Session with Fossil Committee)</i>	<i>Harborview</i>
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Randy Beene & Tammy Luther, Oncor
Bracy Nesbit, Lower Colorado River Authority
David Tennis, Salt River Project

Root Cause Analysis (RCA) can be a key component of continuous improvement efforts in any organization. During this joint session with the T&D Committee, representatives from EUCG member utilities will discuss their organizations' RCA guidelines. The group will discuss their company's RCA triggers, reporting requirements, and evaluation methods that are intended to improve safety, productivity, process, and failure rates.

TUESDAY APRIL 19 *continued*

9:15 am – 9:45 am	TD-11: Contractor Safety <i>(Joint Session with Fossil Committee)</i>	<i>Harborview</i>
	<p>Ted Granger, <i>Granger Management Consultants LLC</i> Steve Royall, <i>Pacific Gas and Electric Company</i></p> <p>During this joint session with the Fossil Committee, Ted Granger will discuss implementation of the new OSHA standards for information transfer, and Steve Royall will describe the approach to contractor safety at Pacific Gas and Electric Company. A question-and-answer session and open discussion will follow the panelists' presentations.</p>	
9:45 am – 10:15 am	Break	<i>Lobby III</i>
10:15 am – 11:00 am	TD-12: Safety Case Studies <i>(Joint Session with Fossil Committee)</i>	<i>Harborview</i>
	<p>Bracy Nesbit, <i>Lower Colorado River Authority</i> David Tennis, <i>Salt River Project</i></p> <p>In this joint session of the Fossil and T&D committees, representatives from EUCG member utilities will present short case studies focused on plant and jobsite safety and safety improvement.</p>	
11:00 am – 12:00 pm	TD-13: Transition from Lagging to Leading Indicators <i>(Joint session with Fossil Committee)</i>	<i>Harborview</i>
	<p>Ted Granger, <i>Granger Management Consultants LLC</i></p> <p>During this joint session with the Fossil Committee, Ted Granger will present on the emerging safety topic of shifting our focus from lagging to leading indicators. How do we transform our culture to one that is open to reporting "near miss" incidents?</p>	
12:00 pm – 1:00 pm	Lunch	<i>Grand Bay South Ballroom</i>
1:00 pm – 1:45 pm	TD-14: Oncor Microgrid Demonstration Project	<i>Hilton Training Center 3</i>
	<p>David Treichler, <i>Oncor Electric Delivery</i></p> <p>Presentation on results of Oncor's micro-grid pilot program.</p>	
1:45 pm – 2:15 pm	TD-15: Prologis Vehicle Safety	<i>Hilton Training Center 3</i>
	<p>Vince Guinan, <i>PECO Energy</i></p> <p>PECO achieved full Telogis implementation as of March 31, 2014 -1,140 units. PECO has measured improved safety, productivity and financial performance. PECO has seen improvements in idle time, seat belt compliance and speed limit compliance.</p>	
2:15 pm – 2:45 pm	TD-16: Vehicle Safety Update	<i>Hilton Training Center 3</i>
	<p>Roger Stephens, <i>Oncor Electric Delivery</i></p> <p>In depth, roundtable discussion including all member companies. Focus of discussion will be on vehicle safety survey responses and results.</p>	
2:45 pm – 3:15 pm	Break	<i>Lobby III</i>

TUESDAY APRIL 19 *continued*3:15 pm – 4:00 pm **TD-17: Renewable Energy***Hilton Training
Center 3***Kevin Pancoast**, *Pacific Gas & Electric Company*

PGE will lead and facilitate a panel discussion with other utilities that are leaders in the industry when it comes to renewable energy.

4:00 pm – 4:15 pm **TD-18: Tuesday Recap***Hilton Training
Center 3*

Facilitated discussion to gather feedback from members on the day's presentations.

5:30 pm **T&D Committee Group Dinner** (*Optional but Encouraged*)**WEDNESDAY** APRIL 208:00 am – 8:30 am **TD-19: Substation—Active Shooter Simulation***Hilton Training
Center 3***TBD**

Active shooter simulation and drill for substation employees

8:30 am – 9:00 am **TD-20: Quality Performance Rate Metric***Hilton Training
Center 3***Joe Martucci**, *PSE&G*

Joe will discuss the implementation of new quality performance metrics based on PSE&G's continued learnings and leadership in the Construction Industry Institute (CII).

9:00 am – 9:30 am **TD-21: BGE Risk Registry***Hilton Training
Center 3***Baltimore Gas & Electric**

Baltimore Gas and Electric will provide an in-depth look into their Risk Registry and how they utilize it to develop business strategies.

9:45 am – 10:15 am **Break/Check Out***Lobby III*10:15 am – 11:00 am **TD-22: Fall 2016 Agenda Build***Hilton Training
Center 3***Jesse Medlock**, *Oncor Electric Delivery, T&D Forum Chairperson*

Facilitated discussion to gather input from committee members and begin agenda build for the Fall 2015 Workshop

12:00 pm **Adjourn/Box Lunch provided***Lobby III*

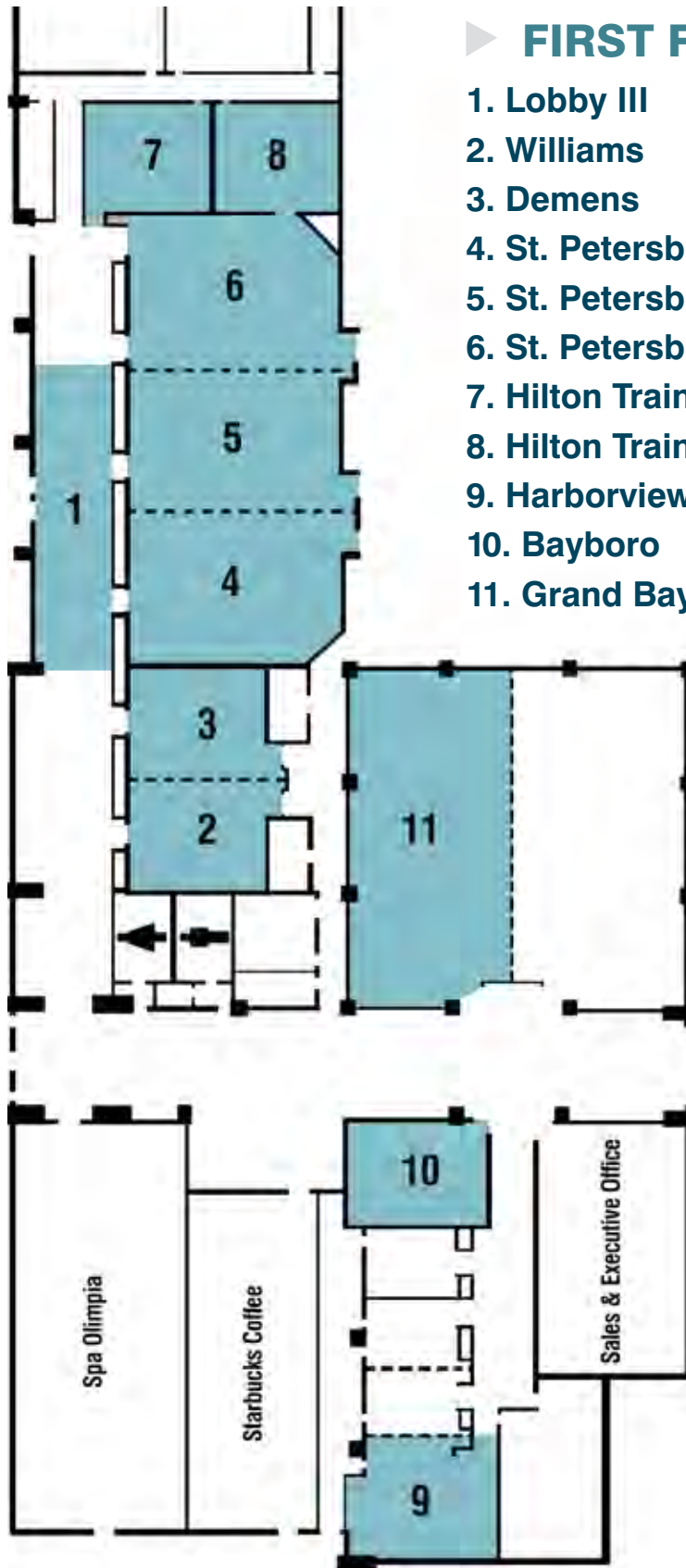
2016 EUCG SPRING CONFERENCE & WORKSHOP



HILTON ST. PETERSBURG BAYFRONT

► FIRST FLOOR

1. Lobby III
2. Williams
3. Demens
4. St. Petersburg I
5. St. Petersburg II
6. St. Petersburg III
7. Hilton Training Center 3
8. Hilton Training Center 4
9. Harborview
10. Bayboro
11. Grand Bay South Ballroom



For a more detailed floor plan visit:

<http://www3.hilton.com/en/hotels/florida/hilton-st-petersburg-bay-front-SPTSHHF/event/roomcharts.html>

► 2016 FALL CONFERENCE & WORKSHOP

Hilton New Orleans Riverside
September 18-21, 2016
New Orleans, LA



► 2017 SPRING CONFERENCE & WORKSHOP

Marriott Charleston
April 2-5, 2017
Charleston, SC



► 2017 FALL CONFERENCE & WORKSHOP

Portland Marriott
Downtown Waterfront
September 17-20, 2017
Portland, OR





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