EUCG **2021** Spring Virtual Workshop





FOSSIL SCHEDULE

Monday, April 19		
NOTE: ALL SESSION	TIMES ARE INDICATED IN EASTERN TIME	
Time Blocks	Session Title	
11:00 – 12:30	EUCG General Session	
	Welcome & Opening Remarks	
	Stephanie Maggard – PG&E, EUCG President	
	Keynote Panel Discussion: The Future of Utility Scale Energy Storage	
	Panelists:	
	Laurel Meeks – Duke Energy	
	Scott Key – TVA	
	Andrew Powers – PSE&G	
	Sarah Van Cleve – Tesla	
	Moderator:	
	Stephanie Maggard – PG&E, EUCG President	
Break		
1:00 - 1:15	Welcome and Introductions	
	Steve Royall, Chairman	
	Networking	
	 Each Fossil Committee workshop participant will provide short introduction with video turned on to put a face to a voice. 	
1:15 - 1:45	Best Practices Adapting Power Generation Industry during COVID-19	
	Pandemic Plans: Did They Work, What Were the Major Gaps, How do We Get Better Prepared?	
	— Brian will present short case studies of SCE's Best Practices implemented during 2020 Pandemic and Lessons Learned. Pandemic plans: did they work, what were the major gaps, how do we get better prepared.	
	Brian White – Southern California Edison	

Monday, April 19 (continued)		
Time Blocks	Session Title	
1:45 - 2:15	Utilizing New Technologies	
	New Technologies Used and Benefiting the Power Generation Industry	
	 Representatives of FGC member utilities will present short case studies of their companies' use of New Technologies in the Power Generation Industry, highlighting both success stories and lessons learned. 	
	Rex Helton – TVA	
Break		
2:45 - 4:00	Asset Health Score Criteria and Software	
	 Representatives of FGC member utilities will present short case studies of their companies' Asset Health Management, highlighting both success stories and lessons learned. 	
	Chris Miller – TVA	
	Brooke Cremers – Southern Company	
	Cheryl Norris – Portland General Electric	
	Rob Weik – Portland General Electric	
	Alex Banicki – Portland General Electric	
4:00 - 5:00	CC/CT Database Update	
	 The CC/CT Database Task Team will present recommended database revisions intended to simplify data submittal and to focus on operational and financial metrics of current importance to member utilities. Members of the team will review the revised data entry workbook and data definitions, present updated guidelines for submitting data, and discuss a timeline for submitting data. A Q&A session will follow the team's presentation. Brian White and Ruben Soto – Southern California Edison 	

Tuesday, Ap	ril 20
Time Blocks	Session Title
11:00 – 11:30	Safety Case Studies
	 Steve will present a Safety Case Study with lessons learned and corrective actions taken to improve safety.
	Steve Royall - PG&E
11:30 – 12:30	High-Energy Piping Inspection Programs
	 During this session, presenters will provide a description of their companies' High-Energy Piping Inspection Plan.
	— Present examples of benefits supporting the Plan.
	Dave Thurston – PG&E Josh Burgess – TVA
	josh bulgess TVA
Break	
1:00 - 1:30	HOT TOPICS in Fossil Generation
	Representatives of FGC Member Utilities Will Present Short Case Studies of Their Companies' HOT TOPICS
	— Member Participants will submit their HOT TOPIC at least two weeks before the Workshop.
1:30 - 2:30	Maintenance Planning
	— The speakers will provide a short presentation on Maintenance Planning to optimize the use of labor, minimize cost, and understanding potential risks. The ideas and action items that were developed to increase the financial competitiveness of generating businesses will be discussed.
	Russ Hopper – PG&E
	Sandy Boyd – TVA
Break	
3:00 - 4:15	Leadership Development and Succession Planning Strategies
	Leadership Training Program
	 Adam will describe the Tennessee Valley Authority provides leadership development through Psychological Safety training.
	 Sue will describe how the Tennessee Valley Authority provides leadership development opportunities for their employees and how those are aligned with organizational succession planning strategies.
	Adam Cunningham and Sue Hall – TVA

Tuesday, April 20 (continued)		
Time Blocks	Session Title	
4:15 - 5:00	2021 Fall Workshop Agenda Development	
1.15 3.00	 Each FGC Workshop participant should complete the FGC Agenda Development form and email it to Ben Zimmerman or Don Barnett by the end of the day on Monday. Proposed Agenda Topics will be reviewed and voted on during this session. Speakers will be recruited for the Fall 2021 Workshop. 	
	Ben Zimmerman – TVA	
Wednesday, April 21		

Break/FGC Track Adjourns

Fossil Steering Committee Meeting 11:00 - 12:30

Workshop Adjourns





HYDRO SCHEDULE

Monday, April 19		
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	Andrew Powers – PSE&G	
	Sarah Van Cleve – Tesla	
	Moderator:	
	Stephanie Maggard – PG&E, EUCG President	
Break		
1:00 – 1:30	HP1 Welcome and Introductions	
Open Session	 The Hydroelectric Productivity Committee (HPC) Chair will welcome the participants and provide them the opportunity to introduce themselves and their companies. 	
	David Sanna – HPC Chair & United States Army Corps of Engineers (USACE)	
1:30 - 2:30	HP2 Value of Hydropower	
Open Session	 The role and value of hydropower facilities in the new electric markets will be given from the BoR's perspective. 	
	 The overview of the New Zealand electric market will be presented by Meridian Energy. 	
	Terry Smith – Meridian Energy	
	Clark Bishop – Bureau of Reclamation (BoR)	
Break		

Time Blocks	Session Title
3:00 - 4:00	HP3 Dam Safety Program—Ontario Power Generation
Open Session	 Considering recent failures at several dams, this issue has become a hot topic within the hydro community. OPG representatives will provide an overview of the dam safety program and related data management issues. Holly Hampton, Erica Burton, and Tareq Salloum – Ontario
	Power Generation (OPG)
4:00 - 4:30 Open Session	HP4 Review of Comments to the HPC 2020 Annual Cost and Performance Report
open session	 In this session, the comments received to the draft version of the HPC 2020 Annual Cost & Performance Report will be reviewed and discussed with some items identified for further action.
	Dr. Gbadebo Oladosu – Oak Ridge National Laboratory
	Jim Miller – Oak Ridge National Laboratory
	HPC Leadership
4:30 - 5:00	HP5 Wildfires at Portland General Electric (PGN)
Open Session	 Hydropower Plants The Riverside fire that sparked around Labor Day impacted PGN's Oak Grove, North Fork and River Mill powerhouses along the Clackamas River. PGN representatives will provide the fire impacts on these facilities.
	Dan Wilson – PGN
Tuesday, Ap	oril 20
11:00 – 11:30	HP6 Top Performers Analysis—Drivers of Performance
	— The analytical process utilized to evaluate the cost and performance data will be provided and a detailed look into the top performers of the over 500 MW peer group will be presented. HPC will have the opportunity to provide feedback on the 2020 HPC Annual Report that was prepared by ORNL.

Tuesday, April 20 (continued)
Time Blocks	Session Title
11:30 – 12:30	HP7 Commercial Availability—Resource Adequacy (RA)
	— Many of us measure our reliability using availability factor (AF) or equivalent available factor (EAF). However, they do not measure whether you are available when it means the most to customers. Some have used market energy prices to develop commercial availability. RA at PG&E and at OPG will be discussed.
	Jason Patel – PG&E
	Nik Pesic – OPG
Break	
1:00 - 2:00	HP8 Relicensing Expenses
	 Insight behind the expenses of obtaining an operating license renewal for hydropower facilities from the Federal Energy Regulatory Commission (FERC) will be explored by representatives from PG&E and SouCo.
	Courtney O'Mara – Southern Company (SouCo)
	Janet Walther – PG&E
2:00 – 2:30	HP9 HPC Data Reporting and Presentation Survey
	 A committee member developed a survey seeking information on how other members would like to retrieve data from the HPC database. The survey was forwarded to the entire committee and the feedback received will be presented.
	Clark Bishop and Nichole Douglas – BoR
Break	
3:00 – 3:15	HP10 Safety Survey Results
	 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 2021 (2020 data) survey will be provided.
	Jim Miller – Signal Hydropower Consultants

Tuesday, April 20 (continued)		
Time Blocks	Session Title	
3:15 - 3:45	HP11 Information Technology (IT) Survey — During the 2020 data review several questions arose	
	about the process used by utilities to capture IT expenses for hydropower facilities. The survey questionnaire was issued in January 2021, and the results will be provided along with any future action to be taken.	
	Rob Mager – OPG	
3:45 - 4:05	HP12 New Member Overview—Central Rivers Power (CRP)	
	 The newest member to the HPC, CRP will provide an overview of its company's hydropower fleet. 	
	Matt Stanley - CRP	
4:05 - 4:25	HP13 HPC Data Guide 2021 Revisions	
	 The revisions made this year to the committee's data collection guide will be highlighted. This session is a great opportunity to ask questions about the data gathering process. 	
	Greg Bosscawen – HPC Vice Chair, PG&E	
4:30 - 5:00	HP14 2021 Data Review Plans	
	— HPC leadership will provide the arrangements for the current year data review meeting which is scheduled for July. This overview will include the supporting material needed for the meeting and logistics. Time has been allocated for questions about the data review meetings.	
	Greg Bosscawen – HPC Vice Chair, PG&E	

Wednesday,	April 21
Time Blocks	Session Title
11:00 – 11:30	HP15 Impact of the COVID-19 Pandemic and the Return to the New Normal
	 The global pandemic has had a major impact on utilities and the operation of their hydroelectric facilities. Committee members will discuss these impacts in an informal setting and how they are returning to a new normal work routine.
	David Sanna – HPC Chair & USACE
11:30 - 12:00	HP16 Agenda Planning for the 2021 Fall Workshop
	 This will be an opportunity to propose topics for the next workshop and solicit participation.
	David Sanna – HPC Chair & USACE
12:30 – 1:30	HP17 HPC Leadership Meeting
	 The HPC Leadership will discuss HPC internal matters and is open to all HPC members.
	David Sanna – HPC Chair & USACE





NUCLEAR SCHEDULE

Monday, April 19		
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Time Blocks	Session Title	
11:00 – 12:30	EUCG General Session	
	Welcome & Opening Remarks	
	Stephanie Maggard – PG&E, EUCG President	
	Keynote Panel Discussion: The Future of Utility Scale Energy Storage	
	Panelists:	
	Laurel Meeks – Duke Energy	
	Scott Key – TVA	
	Andrew Powers – PSE&G	
	Sarah Van Cleve – Tesla	
	Moderator:	
	Stephanie Maggard – PG&E, EUCG President	
Break		
1:00 - 1:45	NC-01 State of the EUCG Nuclear Committee	
	 The EUCG Nuclear Committee is the industry source for member companies to exchange cost and staffing data; the Nuclear Committee is a key resource for nuclear business and finance professionals to network, share best practices and address key opportunities facing the nuclear industry. 	
	 The EUCG Nuclear Committee Chair will update members with a current perspective of the EUCG Nuclear Committee, introduce the committee's Nuclear Leadership Team and outline the EUCG Nuclear Committee's 2021 strategic plan. 	
	Jeff Davis – DTE, Nuclear Committee Chair	
1:45 - 2:30	NC-02 Nuclear Integrated Information Database (NIID) Enhancements	
	 Christine Messer will provide an update on the enhancements and upgrades to the NIID. These include enhancements to the data definition, new reports, and training tools. 	
	Christine Messer – Nuclear Committee Database Manager	

Monday, April 19 (continued)		
Time Blocks	Session Title	
1:45 – 2:30	NC-03 Retrieval of Industry Data from the Nuclear Integrated Information Database (NIID)	
	 Christine Messer will facilitate a "hands-on" exercise session by using examples to access and retrieve nuclear industry data from the Nuclear Integrated Information Database (NIID). Data request scenarios will be presented with attendees assisting with determining the steps required to efficiently retrieve the desired results from the test examples. 	
	Christine Messer – Nuclear Committee Database Manager	
Break		
3:00 - 4:00	NC-04 How we use EUCG Data	
	Panel Discussion	
	 EUCG is the definitive industry source for cost and staffing data. In this session, a panel of member companies will discuss and present how they use EUCG cost and staffing data to development relevant benchmarks and improve nuclear operations. 	
	Phil Young – Exelon	
	Darrell Negley – PSEG	
	Barry Yeargin – Dominion	
4:00 - 5:00	NC-05 Status of the Nuclear Industry	
	 This presentation will highlight the performance and cost data for 2020 and recent trends. This presentation will also provide a landscape of the nuclear power plants internationally. The intent of this session is to have an engaging and conversation-focused discussion. 	
	Harsh Desai – Nuclear Energy Institute, Senior Manager, Policy & Strategy Development	

Tuesday, April 20

11:00 - 11:45	
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NC-06 | ICE Innovation Roundtable

— Innovation, Costs Savings and Efficiencies are at the forefront of our daily business operations. As the economics of operating nuclear power plants become more challenging, we recognize the need to share our best practices in being innovative and more efficient. This open forum session will give members opportunity to share what new initiatives they are pursuing.

Darrell Negley - PSEG

Tuesday, April 20	(continued)
Time Blocks	Session Title
11:45 – 12:30	NC-07 Vogtle Update
	 Plant Vogtle units 3 and 4 will be the first new nuclear plants built in the United States in the last three decades. An exciting time for our industry, Southern Company will discuss Plant Vogtle's construction of these two next generation AP-1000 reactors.
	Southern Company
Break	
1:00 - 1:45	NC-08 Subsequent License Renewal
	Panel Discussion
	— The nuclear industry is operating as safe and efficient as it ever has. Subsequent license renewal is a relatively new Nuclear Regulatory Commission process that allows member companies to take advantage of the inherent qualities of their existing nuclear plants for an additional twenty years beyond their renewed operating licenses (i.e. up to eighty years of operation).
	 In this session, a panel of member companies will provide a window into their process and decision-making to pursue subsequent license renewal for their nuclear fleet.
	Paul Phelps – Dominion Energy
	Rounette Nader – Duke Energy
1:45 - 2:30	NC-09 Nuclear Open Forum
	 The Open Forum session provides a dedicated time for members to pose a question to the workshop participants in order to obtain information regarding a business process, collect which companies may be using a certain application to gain an understanding from a user's perspective, or conduct a brief survey regarding a system they may be considering for implementation. The session is unscripted and allows for an open discussion about topics of interest to the members and to share insight regarding nuclear business operations with the intent to benefit our industry.
	Jeff Davis – DTE, Nuclear Committee Chairman

Wednesday, April 21	
Time Blocks	Session Title
10:00 – 12:30	Nuclear Leadership Meeting
Break	
3:00 - 5:00	EUCG Board of Directors Meeting





SOLAR SCHEDULE

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	Keynote Panel Discussion: The Future of Utility Scale Energy Storage
	Panelists:
	Laurel Meeks – Duke Energy
	Scott Key – TVA
	Andrew Powers – PSE&G
	Sarah Van Cleve – Tesla
	Moderator:
	Stephanie Maggard – PG&E, EUCG President
Break	
1:00 - 1:45	Introduction/Opening Comments
Open Session	Safety Case Study
	— Roundtable ALL
	 Each member utility will provide a single slide with a safety best practice or safety item for discussion.
1:45 – 2:30	ETA Pro—How Duke is Using ETA Pro and M&D Center
Open Session	 Remote monitoring of solar sites using ETA Pro and advanced pattern recognition for early identification of issues.
	Cody Pack – Duke Energy
Break	
3:00 - 4:00	Site Decommissioning
Open Session	— Decommissioning Planning ALL
	Paul Teensma – L/L on site decom
Open Session	Warranty
-	How many Issues Occur Years 1-2, 2-5?
	— Roundtable

Monday, April 19 (continued)	
Time Blocks	Session Title
4:00 - 5:00	Wire Management—Best Practices/Improvements
Open Session	 Discuss past/current issues with PV wire management including efforts made to correct existing issues and incorporating lessons learned into new builds.
	Marisa Chronowski – APS
Tuesday, April 20	
11:00 - 11:45	Capitalization Catalog Comparison
Open Session	— ALL
	 Discussion over capitalization and how we are setting up our site assets.
11:45 – 12:30	NREL Information Session
Open Session	Garvin Heath – NREL
Break	
1:00 - 1:45	Inverter Parts and Maintenance—Non-OEM Experience
Open Session	RoundtableDiscussion on managing inverter parts and performing
	maintenance and repairs. The use of OEM services and non-OEM repair companies will be discussed.
1:45 – 2:30	maintenance and repairs. The use of OEM services and
1:45 – 2:30 Open Session	maintenance and repairs. The use of OEM services and non-OEM repair companies will be discussed.

Wednesday, April 21	
Time Blocks	Session Title
10:00 – 12:30 Open Session	Performance Improvements Measures Being Taken to Improve Operational Cost
open session	— Roundtable ALL
	Fall Session Planning
	— Roundtable
Break	
3:00 - 5:00	EUCG Board of Directors Meeting





T&D SCHEDULE

Monday, April 19	
NOTE: ALL SESSIO	N TIMES ARE INDICATED IN EASTERN TIME
Time Blocks	Session Title
11:00 – 12:30	EUCG General Session
	Welcome & Opening Remarks
	Stephanie Maggard – PG&E, EUCG President
	Keynote Panel Discussion: The Future of Utility Scale Energy Storage
	Panelists:
	Laurel Meeks – Duke Energy
	Scott Key – TVA
	Andrew Powers – PSE&G
	Sarah Van Cleve – Tesla
	Moderator:
	Stephanie Maggard – PG&E, EUCG President
Break	
1:00 - 1:45	General Welcome, Introductions, and Business Discussion
	 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.
	— New Leadership
	— New Team Members
	— Marketing Update (Brochure)
	— COVID Updates
	— Success Stories
	Jeannine Beran – Exelon Utilities, Chair T&D Committee

Monday, April 19 (continued)	
Time Blocks	Session Title
1:45 – 2:30	Operations & Innovation—Benchmarking Best Practices
	— This session will be a panel discussion where industry survey participation with various lines of business, data collection, end use reporting and communication of results and findings can lead to implementation of Best Practices at your company. Topics to include data sources, panel selections, leveraging benchmarking peers/building relationships and maximizing value added.
	Adam Preveau – Entergy
	Jeannine Beran – Exelon Utilities
	Kailee Han – PSE&G
3:00 - 4:00	Innovation and Safety—Driver Safety Analytics
Open Session	 This session will provide a summary of the Exelon Utilities dashboards based on data from Verizon Connect. This project was driven by the need to understand driver behaviors and to provide reporting to allow the influencing of those behaviors to reduce vehicle incidents and accidents.
	Ed Suarez – ComEd Cara Gilad – Exelon Utilities
	ither Hydro or Solar Session. e for WebEx links for the session that interests you.
4:30 - 5:00	Hydro Committee Session: Wildfires at Portland General Electric (PGN) Hydropower Plants
	 The Riverside fire that sparked around Labor Day impacted PGN's Oak Grove, North Fork and River Mill powerhouses along the Clackamas River. PGN representatives will provide the fire impacts on these facilities.
	Dan Wilson – PGN
4:00 - 5:00	Solar Committee Session: Wire Management—Best Practices/Improvements
	— Discuss past/current issues with PV wire management including efforts made to correct existing issues and incorporating lessons learned into new builds. Marisa Chronowski – APS
	Marisa Chronowski – APS

Tuesday, April 20	
Time Blocks	Session Title
11:00 - 12:30	Operations & Innovation—Benchmarking Processes
	This session will review survey participation, data collection, use of results, and executive reporting models.
	— Demonstration of reporting tools in use such as Database, WDesk, Alteryx, Tableau, and Power BI.
	Adam Preveau – Entergy
	Jeannine Beran – Exelon Utilities
	Kailee Han – PSE&G
	Joe Martucci – PSE&G
Break	
1:00 - 1:45	Operations—Update on OMS integration with AMS Data—Backside
	 In this session Oncor will update the participants on their efforts to more fully integrate Oncor's meter "actual" data with OMS "predicted" data. Oncor's reconciliation system (OMSR) is allowing them rapidly identify and correct duplicate events, overlapping events and false alarm events. In addition to improve reliability data for internal consumption, recent improvements to OMSR will support a much more accurate premise runback for improved customer support. Also discussed will be plans for certain levels of automation that will be phased in to greatly reduce the need for human intervention in their OMS data. Jesse Medlock – Oncor
1:45 - 2:30	Operations and Innovation—Management Reporting Improvements
	This session is an overview of a monthly performance scorecard and review process. It will provide insights on driving operational collaboration across business units and company engagement with Leadership, including techniques on measuring current operational performance and addressing performance gaps. Felicia Smith – Entergy
	Tenera Jilitii Liiteisy
Break	

Tuesday, April 20	(continued)
Time Blocks	Session Title
3:00 - 4:00	Innovation—Exelon Innovation Expo
	 This session will provide a summary of the Exelon Innovation Expo, held virtually in 2020. Highlights of automation and robotics to improvements in safety and customer service, as well as other Exelon employees up close and personal with new innovations and technologies. Employees are able to view vendor exhibits, sit in on vendor sponsored workshops, hear presentations on new innovations and view peer posters on what new ideas excite our employees. Award winning exhibits will be highlighted
	Cindy Riti – PHI Holding Company
4:15 - 5:00	Innovation—Innovation & Technology Director
Open Session	 A review of the new committee roles and responsibilities, topics around future state of the efforts, review of the proposed balanced scorecard and metrics. Discuss thoughts around how to leverage other EUCG committees.
	Joe Martucci – PSE&G
Wednesda	y, APRIL 21
11:00 - 11:45	Operations and Innovation—Vegetation Management Improvements Using Satellite Imagery
	 Enhanced Vegetation Management system utilizing satellite imagery analysis to prioritize and improve efficiency of overall Vegetation Management process.
	Martin Narendorf – CenterPoint Energy
11:45 - 12:30	Operations and Innovation—Utility of the Future—PSE&G
	 This session will provide an update of the PSE&G perspective around the Utility of the Future presentation.
	Ahmed Mousa – PSE&G
Break	

Wednesday, April 21 (continued)	
Time Blocks	Session Title
1:00 - 2:00	T&D Committee Business
	Time will be taken to discuss the weeks activities:
	 Were expectations met? What additional information might be of help? What new topics have come up as a result of these discussions?
	Fall 2021 Agenda Build
	— Planning ahead for the Fall Workshop.
	— Topic discussions and ideas will be gathered.
	Jeannine Beran – Exelon Utilities, Chair T&D Committee
2:00 – 2:30	T&D Committee Business
	— Fall agenda planning continued (if needed)
	— Planning ahead for the Fall Workshop.
	— Topic discussions and ideas will be gathered.
3:00 - 5:00	EUCG Board of Directors Meeting

