

**EUCG 2025 Spring Workshop**  
**April 27-30, 2025**  
**Hilton St. Petersburg Bayfront**  
**St. Petersburg, Florida**

**Monday, April 28, 2025**

Time Blocks	Session Title
8:00 – 9:00 EDT	<b><i>Breakfast</i></b>
9:00 – 10:30 EDT	<p><b>EUCG General Session &amp; Keynotes</b></p> <p>EUCG is delighted to welcome the following Keynote Speakers for our Spring 2025 General Session:</p> <p><b>Hans Jacob</b>, <i>Director of Renewable Business Development at Duke Energy</i>. Hans began his career with Duke Energy over 13 years ago after graduating from the University of Florida with a degree in Mechanical Engineering. He is responsible for leading Energy Storage development activities in Duke Energy's Florida and Midwest service territories and also supports the evaluation and development of Long Duration Energy Storage technologies across all jurisdictions. Hans will be giving EUCG Spring Workshop attendees a review of Duke's Energy Storage expansion plans, industry trends on technology &amp; adoption, and acceleration needs to serve large customer loads fast.</p> <p><b>Matt Crozat</b>, <i>Executive Director for Strategy and Policy Development at the Nuclear Energy Institute (NEI)</i>. At NEI, Matt is responsible for directing NEI efforts to identify policy initiatives that will improve economic viability of operating plants and enhance prospects for new plant construction. He also oversees analyses of nuclear industry cost performance and trends. Matt's keynote presentation will focus on how the role of nuclear energy will continue to evolve in response to energy demands rapidly escalating in recent years as datacenters, manufacturing and transportation have increasingly brought significant load increases to the grid.</p> <p>We will also have opening remarks from EUCG President, Andrew Campbell, Tennessee Valley Authority.</p>
10:30 – 11:00 EDT	<b><i>Break</i></b>

11:00-12:00 EDT	<p><b>HP-01: Introductions and Business Updates/Remarks from Hydro Productivity Committee (HPC) Chair</b></p> <p><b>Heather McDowell, Seattle City Light (SCL), HPC Chair</b></p> <p><i>An introductory session will give all members the opportunity to introduce themselves and their companies.</i></p>
12:00 -1:00 EDT	<p><b>HP-02: Oak Ridge National Laboratory (ORNL) Hydropower Cost Driver Analysis Paper</b></p> <p><b>Gbadebo Oladosu PhD., ORNL</b></p> <p><i>Dr. Oladosu has been analyzing the possible cost drivers in hydropower production and will provide an update of this work.</i></p>
1:00 – 2:00 EDT	<p><b><i>Lunch</i></b></p>
2:00 – 2:30 EDT	<p><b>HP-03: SCL’s Native Salmonid Conservation Facility (NSCF)</b></p> <p><b>Lloyd Dixon, SCL</b></p> <p><i>SCL placed its new NSCF located in Usk, Washington, into operation in May 2024. Mr. Dixon, SCL’s Boundary License Unit Manager, will provide an overview of the facility and its vital role in SCL’s commitment to sustainable environmental practices and the conservation of precious natural resources.</i></p>

2:30 – 3:00 EDT	<p><b>HP-04: Ontario Power Generation (OPG) Hydro Unit Rating Tables (HURT) – Update Process</b></p> <p><b>Mohamed Mostafa, Ph.D., P.Eng., OPG</b></p> <p><i>Dr. Mostafa served as a leader in developing this initiative and will share key information on it. HURT focuses on ensuring optimal Unit Capacity Ratings (MCR) to get the highest level of production from each generating unit, while also ensuring there is a “single source of truth” across the organization on these capacity ratings (i.e., Operations, Engineering, Energy Markets etc.).</i></p>
3:00 – 3:30 EDT	<b>Break</b>
3:30 – 4:15 EDT	<p><b>HP-05: Redevelopment and New Hydro – OPG</b></p> <p><b>Scott Hamel, OPG</b></p> <p><i>OPG has been evaluating upgrading capacity at its existing dams and opportunities for construction of generating assets at new locations.</i></p>
4:15 – 5:00 EDT	<p><b>HP-06: CapEx – Asset Value Analysis 2.0</b></p> <p><b>Rob Mager, OPG, HPC Vice Chair</b></p> <p><i>This session will explore the potential opportunities of benchmarking asset values, and complications associated with accounting practices which value assets at historical Net Book Value (NBV). A review and discussion will focus on opportunities to simplify the data submission process for Asset Value submissions.</i></p>
5:00 – 5:15 EDT	<p><b>HP-07: Day Wrap Up &amp; Identification of Topics for Future Workshops</b></p> <p><b>Heather McDowell, SCL, HPC Chair</b></p> <p><i>In this time, a review of the day’s presentations will be made and noting any ideas for a future workshop.</i></p>
6:00 -9:00 EDT	<b>Monday Evening Networking Event</b>

**Tuesday, April 29, 2025**

Time Blocks	Session Title
8:00 – 9:00 EDT	<b>Breakfast</b>
9:00 – 9:30 EDT	<b>HP-08: EUCG – Hydroelectric Productivity Committee (HPC) Annual Report Review</b>  <b>Gbadebo Oladosu PhD., ORNL</b>  <i>ORNL drafted the 2024 HPC Annual Cost and Performance Report which was forwarded to the committee. In this session, the comments received regarding the draft version of the report will be reviewed and discussed with items identified for further action.</i>
9:30 -10:00 EDT	<b>HP-09: Top Hydropower Plant Performers – Commonalities</b>  <b>Jim Miller, Signal Hydropower Consultants (SHC)</b>  <i>The common attributes of the hydropower plants identified in HPC’s Top Performer annual analysis will be provided.</i>
10:00 – 10:30 EDT	<b>HP-10: Strengths, Weaknesses, Opportunities, and Threats (SWOT) Analysis: HPC</b>  <b>Heather McDowell, SCL, HPC Chair</b>  <i>As the new HPC leadership begins, Ms. McDowell would like to conduct a SWOT analysis of the HPC with its membership to identify possible future actions the committee should undertake to meet the needs of the membership.</i>
10:30 – 11:00 EDT	<b>HP-11: EUCG &amp; National Hydropower Association (NHA) 2025 Joint Safety Survey</b>  <b>Jim Miller, SHC</b>  <i>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 2025 (2024 data) survey will be provided.</i>
11:00 – 11:30 EDT	<b>Break</b>

11:30 – 12:30 EDT	<p><b>HP-12: HPC Data Reporting Team Update &amp; Dataset Discussion, Shiny Tool Demonstration</b></p> <p><b>Rob Mager, OPG, HPC Vice Chair, and Micah Koller, Bonneville Power Administration</b></p> <p><i>The task team will provide an update on their work and lead a roundtable discussion of the existing dataset. A quick refresher on the Portfolio Analysis concept will be provided, and a demonstration on how the Shiny Tool is configured.</i></p> <p><i>Mr. Koller will provide a demonstration of the Shiny tool for data visualization which is available on the HPC data website.</i></p>
12:30 – 1:00 EDT	<p><b>HP-13: EUCG Hydro Working Teams &amp; Workshop Packages</b></p> <p><b>Rob Mager, OPG, HPC Vice Chair</b></p> <p><i>This agenda item will introduce proposals on how the EUCG Hydro committee can revise the approach to organizing itself, and deliver value added products to members. There will be an open discussion to solicit feedback, and to develop a consensus on the path forward.</i></p>
1:00 – 2:00 EDT	<b>Lunch</b>
2:00 – 3:00 EDT	<p><b>HP-14: Innovative technologies – Use of drones for inspections (Joint session with Transmission &amp; Distribution)</b></p> <p><b>Vajira Jayasinghe, OPG, Janet Henkai, PGE and Lauren Mattson, PGE</b></p> <p><i>This session will include a discussion of the utilization of drones for the inspection of dam structures, transmission assets, and hydropower facilities.</i></p> <p><i>OPG will discuss the use of drones for civil Inspections and site surveillance, including the use of an innovative autonomous drone in-a-box solution which has been deployed as a pilot initiative.</i></p> <p><i>PG&amp;E will discuss their deployment of drone technologies for inspections in Electric Transmission, Distribution and Substation. PG&amp;E's strategy on drone inspection deployment is evolving to include:</i></p> <ul style="list-style-type: none"> <li>• <i>Transmission: Insulator contamination, conductor defects, wood pole leans, and connector degradation.</i></li> <li>• <i>Distribution: Overhead (OH) Wood pole leans, (OH) Insulator contamination, (OH) Splice degradation, underground (UG) conductor failures, and (UG) transformers in vaults.</i></li> <li>• <i>Substation: Transformers, breakers, and switches.</i></li> </ul>
3:00 – 3:30 EDT	<b>Break</b>

3:30 - 4:00 EDT	<p><b>HP-15: Pacific Gas and Electric (PG&amp;E)’s Safety Excellence Management System</b></p> <p><b>Kate Giuffra, PG&amp;E</b></p> <p><i>PG&amp;E’s Kate Giuffra will share the methodology of its Safety Management System and how it provides the comprehensive framework to systematically manage processes, assets, and occupational health and safety to prevent injury and illness, with safety culture as its foundation.</i></p>
4:00 – 4:15 EDT	<p><b>HP-16: Day Wrap Up &amp; Identification of Topics for Future Workshops</b></p> <p><b>Heather McDowell, SCL, HPC Chair</b></p> <p><i>In this time, a review of the day’s presentations will be made and noting any ideas for a future workshop.</i></p>

### **Wednesday, April 30, 2025**

<b>Time Blocks</b>	<b>Session Title</b>
8:00 – 9:00 EDT	<b><i>Breakfast</i></b>
9:00 – 10:00 EDT	<p><b>HP-17: 2025 Data Review Plans</b></p> <p><b>Rob Mager, OPG, HPC Vice Chair</b></p> <p><i>HPC leadership will provide 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 organization.</i></p>
10:00 – 11:00 EDT	<p><b>HP-18: Agenda Planning for the 2025 Fall Workshop &amp; Roundtable Discussion</b></p> <p><b>Heather McDowell, SCL, HPC Chair</b></p> <p><i>During this session we will develop the initial agenda for the fall 2025 HPC meeting. Please come prepared to suggest topics that you would like to discuss or something to share with the rest of the committee.</i></p>
11:00 – 11:30 EDT	<b><i>Break</i></b>
11:30 – 12:00 EDT	<p><b>HP-19: HPC Business Report &amp; Leadership Meeting</b></p> <p><b>Heather McDowell, SCL, HPC Chair</b></p> <p><i>The HPC chair will provide an update on the present status of administrative issues.</i></p>

**Mark Your Calendars:**

**EUCG Fall 2025 Workshop  
September 21-24, 2025  
The Westin Pittsburgh  
Pittsburgh, Pennsylvania**