



## Hydraulic Power Committee Fall Retreat

October 17-19, 2017, Sacramento, CA  
The University Union at Sacramento State  
6000 J Street, Sacramento, CA 95819

### Tuesday, October 17

- 12:45 – 1:00 PM      **Load Buses for Tour-** *Larkspur Landing, Comfort Inn, SMUD Offices*
- 1:00 – 5:30 PM      **SMUD White Rock Powerhouse Tour**

### Wednesday, October 18

*Location – The University Union at Sacramento State – Ballroom 2*

- 7:30 – 8:30 AM      **Breakfast & Registration – Ballroom 3**
- 8:30 – 8:45 AM      **Welcome & Introductions**  
➤ Steve Wenke, Avista, HPC Chair
- 8:45 – 9:00 AM      **Host Utility Keynote**  
➤ Frankie McDermott, Sacramento Municipal Utility District
- 9:00 – 9:45 AM      **Wilson Dam Fatality**  
➤ Kenny Mullinax, Tennessee Valley Authority
- 9:45 – 10:00 AM      **Morning Break – Ballroom 3**
- 10:00 – 11:15 AM      **Participating in OSHA’s Voluntary Protection Program (VPP)**  
➤ Moderator: Lisa Martindale, Southern Company, Co-Chair, HPC Operations and Maintenance Subcommittee  
➤ Panelists:
  - Timothy Talbert, Sacramento Municipal Utility District
  - Jeremy Clotfelter, NorthWestern Energy
  - Kenny Mullinax, Tennessee Valley Authority

- 11:15 – 12:15 PM      **Hydro Hot Topics – O&M to Fish Passage**
- Moderator: Jim Miller, Signal Hydro Consultants, Chair, HPC OpEx Subcommittee
  - Topics:
    - Rotor and Stator Replacement Case Study, Randy Wallman, VibroSystM
    - Sockeye Over Cle Elum Dam – A 2017 Pilot Fish Passage Project, Dr. Dave Fast, Yakama Nation, Department of Fisheries
- 12:15 – 1:30 PM      **Networking Lunch – Ballroom 3**
- 1:30 – 3:15 PM      **Dam Safety – Trends, Initiatives, and Oroville Update**
- Moderator: Thomas Fitzgerald, Schnabel Engineering, Chair, HPC Dam Safety Subcommittee
  - Panelists:
    - Ted Craddock, California Department of Water Resources
    - Frank Blackett, FERC, Division of Dam Safety and Inspections
    - Richard Mickwee, Southern Company, HPC Vice Chair
- 3:15 – 3:30 PM      **Afternoon Break – Ballroom 3**
- 3:30 – 4:45 PM      **Environmental and Power Markets – Opportunities, Challenges and Potential Impacts**
- Moderator: Tim Van Blairicom, GridSME
  - Panelists:
    - Craig Cameron, Sacramento Municipal Utility District
    - Mike Haynes, Seattle City Light
    - David Zayas, National Hydropower Association
- 4:45 – 5:00 PM      **Day 1 Wrap-Up**
- 6:00 – 9:00 PM      **Off-Site Event and Dinner – Delta King, 1000 Front St, Sacramento, CA 95814**

**Thursday, October 19**

*Location – The University Union at Sacramento State – Ballroom 3*

- 7:30 – 8:30 AM      **Breakfast & Registration – Ballroom 3**
- 8:30 – 9:00 AM      **NHA Policy Update**
- Linda Church Ciocci, National Hydropower Association
- 9:00 – 10:15 AM      **Cyber Security – Are you being hacked?**
- Moderator: Steve Wenke, Avista
  - Panelists:
    - Leonard Jacobs, Netsecuris Inc.
    - Justin Smith, Federal Energy Regulatory Commission
    - John Franzino, GridSME

- 10:15 – 10:30 AM      **Morning Break – Ballroom 3**
- 10:30 – 11:00 AM      **California’s Historic 2016/2017 Rainy Season – Impacts to PG&E**  
 ➤ Eric Van Deuren, Pacific Gas & Electric
- 11:00 – 11:30 AM      **Quality Assurance and Quality Control – Avoiding a Crisis**  
 ➤ Kirk Hudson, Chelan County PUD  
 ➤ Herbie Johnson, Southern Company
- 11:30 – 11:45 AM      **2018 HPC Fall Retreat Preview**
- 11:45 AM                **Adjourn**



## **OpEx Workshop – Human Performance Fundamentals**

- 12:00 – 12:15 PM      **Box Lunch** (workshop participants only) – *Ballroom 3*
- 12:15 – 12:30 PM      **Working Lunch – Welcome and Workshop Overview and Objectives**
- 12:30 – 1:30 PM        **OpEx Background, Purpose, Scope & Results to Date**
- 1:30 – 2:00 PM         **Human Performance Fundamentals**
- 2:00 – 2:15 PM         **Afternoon Break – Ballroom 3**
- 2:15 – 2:45 PM         **Case Study – Human Performance Principals in a Safety Culture**  
 ➤ Angela Delene, General Electric Renewable Energy
- 2:45 – 4:15 PM         **Human Performance Concepts and Case Studies**  
 ➤ Error Reduction  
 ➤ Control Mechanisms  
 ➤ Human Performance Tools  
 ➤ Creating a Culture of Human Performance
- 4:15 – 4:30 PM         **Wrap-up & Adjourn**

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