

SHARING POWER: A Workshop to Promote Deeper Understanding of the Pacific States' Electrical System

*February 5-6, 2017
Portland, Oregon
NW Power Council, 851 SW 6th Avenue, Suite 1100*

OVERVIEW

Gridworks is hosting a two-day workshop in Portland to promote a greater understanding between Pacific Northwest (PNW) representatives and California representatives of their respective electrical systems. The workshop will focus on identifying areas of further investigation where increased collaboration and development of common information could improve reliability, reduce costs, and reduce greenhouse gas (GHG) emissions within both systems. Funding to host this event is being provided by the William and Flora Hewlett Foundation and the Energy Foundation.

Each of the six sessions will include a 45-minute opening presentation, 15 minutes for commenters to elaborate, question or provide nuance, and a final 30 minutes for open discussion and questions.

AGENDA

Day 1: February 5		
Time	Topic	Speaker/ Facilitator
1:00 pm	<u>Welcome and Introduction</u>	<ul style="list-style-type: none"> Ruchi Sadhir, Office of Oregon Governor Kate Brown Tony Brunello, Gridworks Mike Florio, Gridworks
1:30-3 pm	Panel 1: The Northwest Electric System – An overview of the PNW hydropower operations, constraints, capacity, annual and seasonal energy availability under different water scenarios and effect on capacity. Water flows, their variability and effect on NW-CA intertie capacity (5-minute to 20-year outlook). Other NW resources besides hydro. Available supply and demand forecasts for the region in future years.	Presenter: Steve Kerns, Bonneville Power Association (BPA) Comments: <ul style="list-style-type: none"> Ben Kujala, NWPC Therese Hampton, PGP
3-3:20 pm	BREAK	
3:20-4:50 pm	Panel 2: The California Electrical System – An overview of the available forecasts of loads and resources in California for future years, changing resource mix, operational issues, how Resource Adequacy showings are handled; treatment of firm intertie imports; Integrated Resource Plan versus Resource Adequacy and other topics of interest to NW representatives.	Presenters: <ul style="list-style-type: none"> Ed Randolph, CPUC Kevin Barker, CEC Phil Pettingill, CAISO Comments: <ul style="list-style-type: none"> Tony Braun, CA MUA
5:00	ADJOURN (Reception and Dinner at Location TBD)	



GRIDWORKS

Time	TOPIC	Speaker/ Facilitator
Day 2: February 6		
8:30 am	<u>Recap Day 1 and Overview of Day 2</u>	<ul style="list-style-type: none">• Mike Florio/Tony Brunello
8:45-10 am	<u>Panel 3: Transmission in the Northwest</u> – Topics to be covered include capacity to export to California, dynamic rating process, ownership and LT and ST rights, scheduling protocols, ability to import from Montana/Wyoming. Issues and challenges.	Presenter: Michelle Cathcart, BPA Commenters: <ul style="list-style-type: none">• Ben Kujala, NWPC• Steve Johnson, WUTC• Dan Williams, Portland General Electric
10 am	BREAK	
10:30-12 pm	<u>Panel 4: Transmission and Market Operations in California</u> How are imports and exports handled? How are seams issues addressed? What is the Coordination between CAISO and other CA balancing authorities. Issues and challenges.	Presenter: Phil Pettingill, CAISO Commenters: <ul style="list-style-type: none">• Molly Sterkel - CPUC• Kevin Barker, CEC• Tony Braun - CMUA
12:00 pm	LUNCH	
12:45-1:15pm	<u>Panel 5: Discuss “Sharing Power Among The Pacific States”</u> <u>paper topics:</u> Identify issues and opportunities for greater cooperation amongst Oregon, Washington and California.	<ul style="list-style-type: none">• Mike Florio, Gridworks
1:15	BREAK	
1:30-3:00 pm	<u>Panel 6: Next Steps:</u> What have we learned? What is the information or study work that can only be done through joint effort and that has good value to the regions? How would commissions/utilities seek the cooperative collection of that information? What activities are pacific coast entities doing to collect joint information? What is the timeline for that information? Next Steps: What can/should we do next? Further education and information sharing? A larger gathering? Working groups?	<ul style="list-style-type: none">• Facilitated by Gridworks
3 pm	CLOSE OF WORKSHOP	



GRIDWORKS

Last	First	Organization	Title
1. Barker	Kevin	California Energy Commission	Senior Advisor to Chair
2. Bolton	Scott	PacifiCorp (<i>invited</i>)	Senior Vice President, External Affairs and Customer Solutions
3. Braun	Tony	California Municipal Utilities Association	Counsel
4. Brunello	Tony	Gridworks	CEO and Founder
5. Cathcart	Michelle	Bonneville Power Association (BPA)	Vice President for Transmission System Operations
6. Cebulko	Brad	Washington Utilities & Transportation Commission (WUTC)	Policy Advisor
7. Corwin	Scott	Public Power Council (<i>invited</i>)	Executive Director
8. Decker	Megan	Oregon Public Utilities Commission (OPUC)	Commissioner
9. Ehli	Cathy	BPA	Senior Manager for Markets Integration
10. Eisdorfer	Jason	OPUC	Utility Program Director
11. Florio	Mike	Gridworks	Senior Advisor
12. Gerlitz	Wendy	Northwest Energy Coalition	Policy Director
13. Gervais	Linda	Avista Utilities (<i>invited</i>)	Senior Manager, Regulatory Policy
14. Hampton	Therese	Northwest Public Generating Pool	Executive Director
15. Hanhan	Nadine	OPUC	Senior Utility Analyst
16. Hardie	Lisa	OPUC	Chair
17. Heutte	Fred	Northwest Energy Coalition	Senior Policy Analyst
18. Johnson	Steve	WA UTC	Senior Policy Advisor
19. Johnson	Ken	Puget Sound Energy (<i>invited</i>)	Director
20. Jones	Phil	Western Grid Group	Director
21. Kerns	Steve	BPA	Manager for Generation Scheduling
22. Koss	Valarie	Pacific Northwest Utilities Conference Committee (PNUCC)	Deputy Director
23. Kujala	Ben	Northwest Power Council	Division Director
24. Mantifel	Russ	BPA	
25. Marker	Doug	Bonneville Power Association (BPA)	Constituent Account Executive
26. Peacock	Julie	Oregon Public Utilities Commission (OPUC)	Senior Policy Advisor
27. Pettingill	Phil	California Independent System Operator (CAISO)	Director, Regional Integration
28. Pause	Elaine	OPUC	Senior Reg. Affairs Advisor
29. Randolph	Ed	California Public Utilities Commission (CPUC)	Director, Energy Div.
30. Sadhir	Ruchi	Office of Oregon Governor Kate Brown	Energy Policy Advisor
31. Son	Ariel	PacifiCorp (<i>invited</i>)	Regulatory Projects Manager
32. Sterkel	Molly	CPUC	Energy Division Program Manager
33. Thakar	Nhidi	CPUC	Chief of Strategy and Ext. Affairs, Office of President
34. Tisdale	Matthew	Gridworks	Executive Director
35. Yourkowski	Cameron	Renewable Northwest	Senior Policy Manager
36. Wang	Laura	Gridworks	Project Director
37. Williams	Dan	Portland General Electric	CAISO Markets Analyst