



FINAL NOTES –Approved 10/7/2015

OPERATING COMMITTEE June 3, 2015 – 1:00 – 5:00 PM NWPP Offices – 7505 N.E. Ambassador Place, Suite R -- Portland, Oregon Portland/Vancouver Room

The meeting agenda and attendance list are included as Attachments #1 and #2, respectively.

1. Introductions, Arrangements, and Agenda Changes Greg Travis (IPCO), Chair

✓ **2. Accept Meeting Notes – April 1, 2015** Don Badley, NWPP
[Notes of the April 1, 2015 NWPP Operating Committee meeting were accepted by unanimous consent.](#)

3. Action Items from April 1, 2015 Meeting – Status Review Don Badley, NWPP

- Staff will provide a list of current e-learning training courses, those in the process of being produced, and those that will be coming in from other organizations. [Completed.](#)
- NWPP staff to conduct a system-wide EEP simulation from NWPP System Dispatchers Meeting in Spokane. Jerry will work with Don to get participants. [Completed – Agenda Item 8.](#)
- Don Badley will get a list of emergency contacts for NW States from Johanna Bell. [Completed.](#)
- NWPP OC will address any concerns and or issues regarding confidentiality of the Pacific Northwest Transmission System map at the June OC meeting. Purpose of is to make a decision about distribution policy related to the map and to discuss the “for Official Use Only” label. [Agenda Item 12. .](#)
- NWPP staff will find out how one goes about joining GridEx III. [Completed.](#)
- NWPP staff will follow-up with NERC regarding Seasonal Assessments to avoid duplicate efforts. [Completed.](#)
- Don Badley will peruse the OC meeting notes from January 2014 (to present) to create a list of all decision items for discussion at the next OC meeting. Purpose is to decide whether a “decision” chronicle should be constructed for the OC. [Agenda Item 13.](#)

4. NW Operational Planning Study Group (NOPSG) – Future direction Joe Wilson, TPWR

[Joe Wilson, TPC vice Chair, discussed the difficulty planners are encountering when determining transmission transfer limits in the long term planning horizon. Utilization of the Peak RC ROSE tool can result in a significant loss of transmission capacity. Some of the reasons for this are; use of a different load model, use of a different base case, and not allowing reactive switching. It is hoped there will be better collaboration and coordination between system planners and system operations planning. Joe suggested that the OC or TPC should work more closely with Peak Reliability to close the gap regarding models and methods used in the determination of limits. TPC suggested it may be easier to do this if TPC is the designated lead. This being said, Joe presented the following resolution from TPC - “The TPC proposes to OC to become the lead committee and establish study methodologies for NOPSG to apply to determine IROLs and SOLs”.](#)



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Chad Edinger motioned that the OC accept the TPC's proposal for the TPC to become the lead committee with regard to NOPSG: And, revise the NOPSG charter accordingly. Denise Lietz seconded the motion. The motion carried (13 yay, 2 nay, 1 abstentions).

5. MC Initiative – Discussion – Update on Phase 4 effort

Scott Kinney, AVA

Scott Kinney used a PowerPoint presentation to update the OC on MC activities; his presentation was not available for distribution. Scott focused his talk on the MC's Phase 4 resolution.

NWPP MC Phase 4 Resolution

- 1. Development of a 15-minute Centralized Clearing Energy Dispatch (CCED) market with Flexible Platform for Future Options.*
- 2. Expansion of ACE Diversity Interchange Program; Development of Regulation Reserve Sharing Group.*
- 3. Continued support for Regional MC Tools.*
- 4. Continued development of Resource Sufficiency methodology.*
- 5. Continued development of Transmission Owner, Transmission Operator, and Transmission Service Provider functions coordination opportunities.*
- 6. Identification and assessment of Regional Operations Integration issues.*
- 7. Development of durable administrative structure, budget, and requirements.*
- 8. Effective date – May31, 2015 through December 31, 2015*

Scott commented on discussions with FERC and described the portfolio solutions and initiatives. The next steps for 2015 are listed as:

- *June 10 and 11 – FERC Engagement*
 - *EC Co-Chairs and staff*
- *July 20 and September 18 EC Meetings*
 - *Phase 4 Work Plan Reports*
 - *Petition for Declaratory Order updates*
 - *ACE Diversity Interchange, Regulation Sharing and Resource Sufficiency (outcomes, costing, tools)*
 - *Transmission Service Provider and Transmission Operator Opportunities, and Operations Integration developments.*
 - *Discussion of MC organizational structure proposal*
 - *Scope, decision-making, funding and board options*
 - *Staffing requirements and candidates*
 - *2016-17 draft budget review*
- *November 17 EC Meeting*
 - *Funding of MC Initiative 2016+ Implementation Plan*
 - *Implementing transition plan for MC administration,*

The MC Initiative's next public meeting is on June 24, 2015.

Chad Edinger commented that those not participating in ADI will be encouraged to join the ADI community.

6. NWPP Corporation Update

Jerry Rust, NWPP

- a. Forecast of Expenditures for 2014-15 – Status report



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Jerry Rust reported that the budget for 2014-15 will come in under budget.

b. E-learning – Update

Jerry Rust reported that the NWPP Monthly Updates are published by the 2nd working day of the month.

New courses available on line were identified.

7. Current Operations

All

Greg Travis announced that Pawel Krupa will no longer be the OC Representative for Seattle City Light and that he will be replaced by Denise Lietz. Pawel was thanked for his many contributions and Chairmanship service to the OC.

8. NWPP Emergency Energy Plan (EEP) Simulation – Simulation recap

Jerry Rust, NWPP

Jerry reported the NWPP Emergency Energy Plan Simulation was conducted on May 13th from Spokane, at the System Dispatchers meeting. During the call, the telephone connection interrupted several times.

Action Item: NWPP Staff to poll participants for the use of dedicated phone line and report back the findings to the OC at the October meeting.

9. Event Analysis – PDCI Outage

Jerry Rust, NWPP

Jerry Rust commented about April 28th at 06:07 a.m. the PDCI; refer to Attachment #3. Many people have asked if there is an event analysis available. The frequency declined below 59.83 Hz and had a delayed recovery. Questions about DCS performance linger. Rich Hydzyk commented that this event does not qualify for event analysis.

10. NWPP System Dispatchers Meeting – 2016

ChaRee DiFabio, NWPP

ChaRee DiFabio reported on the NWPP System Dispatchers meeting held in Spokane; refer to Attachment #4. Several training courses were made available to meeting attendees.

ChaRee commented that Calpine is the APDA Host for next spring's meeting, it is scheduled to be held in Middleton, California. Wyatt Pemberton added that the group would have the opportunity to tour the Geyser geothermal fields. Jerry Rust asked if the OC would approve holding the next NWPP System Dispatchers meeting in the location offered by Calpine. The location is 2 hours out of Sacramento. The OC agreed by consensus to support the next NWPP System Dispatchers meeting in California.

11. Frequency of OC Meetings – Discussion

Greg Travis (IPCO), Chair

Greg Travis lead a discussion on the frequency of OC meetings, asking more meaning and substance can be brought to OC meetings. Can/should the OC get more involved with issues concerning Peak or the region? OC Representatives were asked to come to the October OC meeting prepared to discuss what the OC should dedicate itself to. What is its purpose? The OC needs to develop a vision about its mission.

Action Item: Don Badley will request NWPP Staff to request a "top 5" listing of items [regarding what the OC should be focusing their direction on] from each of the OC representatives.

12. Electronic Version of Transmission System Maps – Discuss OUO label

Don Badley, NWPP



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Eddie Elizeh voiced BPA's concern with regard to the labeling on the NWPP Transmission System maps that reads "Official Use Only". By consensus, the OC agreed to remove the words "for Official Use Only" from the map.

Action item: Don Badley will have the words "for Official Use Only" removed from the NWPP Transmission System map.

13. Listing of OC Action Items from October 2013 to Present – Discuss Don Badley, NWPP

Don Badley presented a list of OC decisions made over the last 24 months; refer to Attachment #5. By consensus, the OC requested the NWPP staff to continue this list and post it on the OC portal of the NWPP website under the "Resources" section.

14. NWPP Agreement – Discussion Greg Travis(IPC), Chair

Greg Travis reported that the NWPP Membership Agreement task force met to decide how the membership agreement should be revised to work with the MC effort. Their statement and recommendation follows.

The NWPP Membership Agreement task force acknowledges the MC Executive Committee's focus on the MC Corporation development and believes that the proposed revision of the NWPP Membership Agreement should remain in draft through 2015, in order to accommodate future regional developments. The task force believes that we could be helpful in identifying and exploring opportunities and efficiencies, assuring coordination between the existing standing committees and goals of the MC effort.

Chad Edinger and Raj Hundal volunteered to participate with the NWPP Membership Agreement task force.

15. NERC Standards – Update Jerry Rust, NWPP

Jerry Rust reported on several NERC items that will be coming up for vote in the future.

- Alignment of Terms in the Glossary and Rules of Procedures
- BAL-002
- BAL-004
- BAL-005
- BAL-006

16. Peak Reliability RC – Update Tony Burt, Peak Reliability

The Peak RC was not available to provide an update at this meeting.

17. OC Goals for 2015-2016 Operating Year – Review Greg Travis, Chair

No additions were made to the OC goals.

18. Review of Action Items Decided at this Meeting Don Badley, NWPP

- Staff will poll utilities to find out which ones have a bridge or dedicated lines that could be used to connect parties to a common call.
- Don Badley will solicit each OC member to provide their top 5 suggestions for what they would like to have the OC focus on .
- Raj Hundal volunteered to serve on the NWPP Agreement task force in place of Pawel Krupa.
- The OC decided to remove the OUO policy from the NWPP Transmission System Maps



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- A listing of decisions made by the OC will be posted on the OC portal of the NWPP website and kept up to date. The listing begins with the October 2013 OC meeting.

19. Future Meetings

a. Need for a Joint Meeting

Jerry Rust, NWPP

Jerry reported TPC encourages a joint meeting and has already developed topics for this meeting.

b. OC Meeting Dates for 2015 and 2016

ChaRee DiFabio, NWPP

- October 7, 2015 – Portland
- February 10 – Portland, OR
- May 11 – Portland, OR (Goal Planning)
- August 10 – Portland, OR
- October 13 – Portland, OR

ChaRee presented the NWPP Meeting Dates for 2016; refer to Attachment #6.

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ATTACHMENTS

NWPP OPERATING COMMITTEE MEETING

June 3, 2015



Agenda
June 3, 2015

OPERATING COMMITTEE
June 3, 2015 – 1:00 – 5:00 PM
NWPP Offices – 7505 N.E. Ambassador Place, Suite R -- Portland, Oregon
Portland/Vancouver Room

✓ **Action Item**

1. **Introductions, Arrangements, and Agenda Changes** Greg Travis (IPCO), Chair
- ✓ 2. **Accept Meeting Notes – April 1, 2015** Don Badley, NWPP
3. **Action Items from April 1, 2015 Meeting – Status Review** Badley
 - Staff will provide a list of current e-learning training courses, those in the process of being produced, and those that will be coming in from other organizations.
 - NWPP staff to conduct a system-wide EEP simulation from NWPP System Dispatchers Meeting in Spokane. Jerry will work with Don to get participants. *Completed – Agenda Item 8.*
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4. **NWPP Corporation Update** Jerry Rust, NWPP
 - a. Forecast of Expenditures for 2014-15 – Status report
 - b. E-learning – Update
5. **NW Operational Planning Study Group (NOPSG) – Future direction** Joe Wilson, TPWR
6. **MC Initiative – Discussion – Update on Phase 4 effort** Scott Kinney, AVA
7. **Current Operations** All
8. **NWPP Emergency Energy Plan (EEP) Simulation – Simulation recap** Rust



Agenda ***June 3, 2015***

✓ Action Item

9. **Event Analysis – PDCI Outage** Rust
10. **NWPP System Dispatchers Meeting – 2016** ChaRee DiFabio, NWPP
11. **Frequency of OC Meetings – Discussion** Travis
12. **Electronic Version of NWPP Transmission System Maps – Discuss OUO label** Badley
13. **Listing of OC Action Items from October 2013 to Present – Discuss** Badley
14. **NWPP Agreement – Discussion** Travis
15. **NERC Standards – Update** Rust
16. **Peak Reliability RC – Update** Tony Burt, Peak Reliability
17. **OC Goals for 2015-2016 Operating Year – Review** Travis
18. **Review of Action Items Decided at this Meeting** Badley
-
19. **Future Meetings**
 - a. **Need for a Joint Meeting** Rust
 - b. **OC Meeting Dates for 2015 and 2016**
 - October 7, 2015 – Portland
 - February 10 – Portland, OR
 - May 11 – Portland, OR (Goal Planning)
 - August 10 – Portland, OR
 - October 13 – Portland, OR

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Northwest Power Pool
OPERATING COMMITTEE MEETING
June 3, 2015 - Portland, Oregon

	Name	Organization	Phone	Email
	Doug Hincks	Alberta Electric System Operator	403-803-7673	doug.hincks@aeso.ca
	Rich Hydzik	Avista	509 495 4005	rich.hydzik@avistacorp.com
	Scott Waples	Avista	509 495 4462	scott.waples@avistacorp.com
	Scott Kinney	Avista	509 495 4494	scott.kinney@avistacorp.com
	Mark Willis	Balancing Authority of Northern California	916-732-5451	mark.willis@smud.org
	Edison Elizeh	Bonneville Power Administration	503-230-4105	egelizah@bpa.gov
	Rich Ellison	Bonneville Power Administration	(360) 418-2739	raellison@bpa.gov
	Wyatt Pemberton	Calpine	(832) 325-1500	wpemberton@calpine.com
	Chris McDarment	Chelan County PUD	509-669-6091	chrism@chelanpud.org
	Kevin Harris	ColumbiaGrid	(503) 943-4932	harris@columbiagrid.org
	Jeff Heminger	Douglas County PUD	509-881-2228	jheminger@dcpud.org
	Jarret Leason	FortisBC Inc.	250-304-8910	jarret.leason@fortisbc.com
	Mike Tongue	Grant County PUD	509-237-4607	Mtongue@gcpud.org
	Jesus Lopez	Grant County PUD	509-793-1496	jlopez@gcpud.org
	JJ Jamieson	Gridforce Energy Management	503 970 8422	jj@grid4ce.net
	Greg Travis	Idaho Power Company	208-388-2702	gtravis@idahopower.com
	Chris Hodge	Naturener	(415) 722-3226	chodge@naturener.net
	Mike Auvil	PacifiCorp	503-251-5249	michael.auvil@pacificorp.com
	Bob Frost	Portland General Electric	(503) 464-8916	robert.frost@pgn.com
	Raj Hundal	Powerex	(604) 891-6063	raj.hundal@powerex.com
	Thomas Bagnell	Puget Sound Energy	425-275-2322	thomas.bagnell@pse.com
	Pawel Krupa	Seattle City Light	206-706-0240	pawel.krupa@seattle.gov
	Denise Lietz	Seattle City Light	206-706-0134	denise.lietz@seattle.gov
	Diane Brignone	Tacoma Power	253-502-8614	dbrignon@ci.tacoma.wa.us
	Chad Edinger	Tacoma Power	253-502-8447	cedinger@cityoftacoma.org
	Joseph Wilson	Tacoma Power	253-502-8614	wilson@cityoftacoma.org
	Lloyd Linke	Western Area Power Administration - UGP	605-882-7500	lloyd@wapa.gov
Via Teleconference				
	Asher Steed	British Columbia Hydro and Power Authority	(604) 455-1784	asher.steed@bchydro.com
	Mike McGowan	NorthWestern	(406) 497-4184	Michael.McGowan@northwestern
	Wes Monier	Turlock Irrigation District	(209) 883-8321	FWM@tid.org
Staff				
	Jerry Rust	NWPP Corporation	(503) 445-1074	jerry@nwpp.org
	Charee DiFabio	NWPP Corporation	(503) 445-1079	charee@nwpp.org
	Don Badley	NWPP Corporation	(503) 445-1076	don@nwpp.org
	Harlan Tallman	NWPP Corporation	(503) 445-1086	harlan@nwpp.org

Outages Do Happen!

PDCI – Bipole Outage – April 28, 2015



1

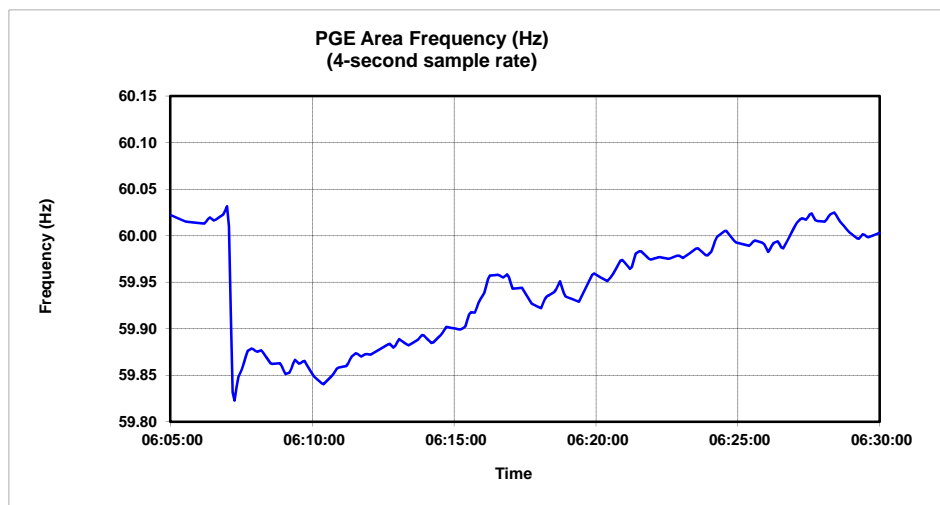
PGE Company Training



Transient Stability

Real Life Outage Event – Frequency Response

April 28, 2015 6:07 AM - PDCI Bi-Pole Trip (RAS tripped 1824 MW)



2



TPC ACTION ITEM

TPC strongly supports OC effort to facilitate event analysis among NWPP members.



NORTHWEST POWER POOL

2015 System Dispatchers

Meeting Update



NWPP – NW APDA

Dispatchers Meeting

Hotel Lusso - Spokane, WA
May 13-15, 2015



Approximately 45 Meeting Attendees
A total opportunity of 900 CEH's:

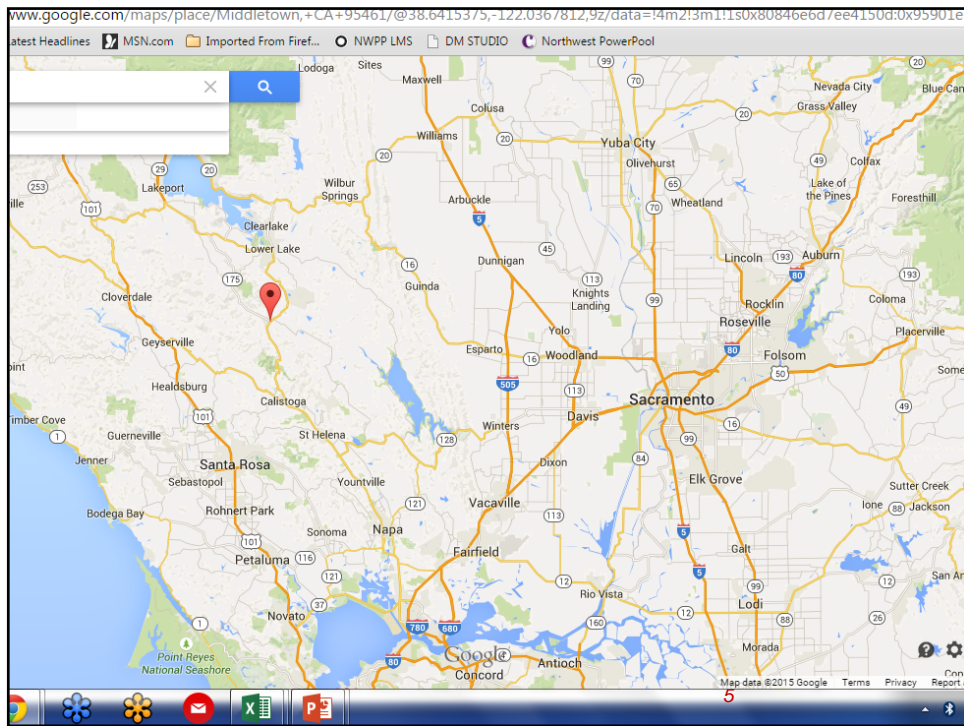
- **Day 1 - 11 CEH**
- **Day 2 - 3 CEH**
- **Day 3 - 4 CEH**
 - **Total opportunity extra online 4 CEH**



2016 NWPP – APDA

APDA Host: Calpine
Date: May 3-5, 2016
**Location: Twin Pine Casino -
Middleton, CA**





NWPP Operating Committee (OC) Decisions from NWPP OC Meetings

October 2013 through April 2015

October 2, 2013

- The OC decided to discuss contractual arrangements as outlined in the solicitation letter from the OC Chair with the WilmerHale LLP legal firm. The purpose is to address the antitrust issue raised by Iberdrola.

January 8, 2014

- Greg Travis elected OC Chair
- Chad Edinger elected OC Vice Chair
- The OC decided to reconvene the Firm For The Hour Task Force (FFTHTF) to reevaluate the proposed [ITRI] policy in light of the WilmerHale letter and any other relevant information and return with a recommendation at the April 2014 OC meeting.
- The OC decided to have a small group of the respective chairs and vice chairs of the OC, TPC, and CG led by Jerry Rust and Sarah Dennison-Leonard to review the NWPP Membership Agreement and bring back to the respective committees recommendations for changes by the April 2014 OC meeting.

April 2, 2014

- The OC adopted a policy to have the designated OC Alternate Representative serve as standing proxies in the event that the OC Representative is not present.

June 4, 2014

- The OC approved the OC portion of the NWPP Budget for the 2014-15 Operating Year.
- John Appel and Pawel Krupa volunteered to serve as the two OC representatives on a task force charged with revising the NWPP [membership] Agreement.

October 1, 2014

- The OC decided to post a digital version of the NWPP Transmission System Map on the OC portion of the NWPP website.

January 7, 2015

- The OC decided to retire the NWPP Firm For The Hour policy.

April 1, 2015

- The OC approved the OC portion of the NWPP Budget for the 2015-16 Operating Year.
- The OC decided NWPP staff will conduct a system-wide NWPP Energy Emergency Plan simulation while at the NWPP System Dispatchers Meeting in Spokane.

NORTHWEST POWER POOL 2016 Committee Meeting Schedule



2016 Meeting Dates:

TRANSMISSION COMMITTEE MEETINGS:

<u>Date</u>	<u>Location</u>	<u>Day of week</u>
Feb 9	Portland, OR	Tuesday
May 10	Portland, OR	Tuesday
Oct 11	Portland, OR	Tuesday

OPERATING COMMITTEE MEETINGS:

<u>Date</u>	<u>Location</u>	<u>Day of week</u>
Feb 10	Portland, OR	Wednesday
May 11	Portland, OR	Wednesday (Goal Planning)
** Aug 10	Portland, OR	Wednesday
Oct 12	Portland, OR	Wednesday

RESERVE SHARING GROUP COMMITTEE MEETINGS:

<u>Date</u>	<u>Location</u>	<u>Day of week</u>
Feb 11	Portland, OR	Thursday
May 12	Portland, OR	Thursday (Goal Planning)
** Aug 11	Portland, OR	Thursday
Oct 13	Portland, OR	Thursday



2016 Meeting Dates:

SUBCOMMITTEE MEETINGS

	<u>Date(s)</u>	<u>Location</u>	<u>Day(s)</u>
System Dispatchers	May 3-5	TBD	Tue-Thu
<i>** This meeting will be scheduled coincident of APDA meetings as directed by NWPP OC Jun 16, 2011, therefore the date is subject to change.</i>			
Technical Conference	TBD	TBD	TBD
After-the-Fact Accounting & System Schedulers	Oct 25-26	Portland, OR	Tue-Wed