Balancing Authority of Northern California

Regular Meeting of the Commissioners of BANC

2:00 P.M. Wednesday, September 19, 2018 35 Iron Point Circle, Suite 225 Folsom, CA 95630

Balancing Authority of Northern California NOTICE OF REGULAR MEETING AND AGENDA

Notice is hereby given that a regular meeting of the Commissioners of the Balancing Authority of Northern California (BANC) will be held on **September 19, 2018** at **2:00 p.m.**, at **35 Iron Point Circle, Suite 225, Folsom, CA 95630.**

AGENDA

- 1 Call to Order.
- 2 Matters subsequent to posting the Agenda.
- **Public Comment** any member of the public may address the Commissioners concerning any matter on the agenda.
- 4 Consent Agenda.
 - A. Minutes of the Regular Commission Meeting held on July 25, 2018.
 - B. BANC Operator's Reports (July and August).
 - C. Compliance Officer's Reports (August and September).
 - D. PC Committee Chair's Reports (August and September).
 - E. General Manager's Report and Strategic Initiatives Update.
- 5 Regular Agenda Items Discussion and Possible Action.
 - A. Appointment of Commission Chair in accordance with BANC JPA Section 11.4.
 - B. EIM implementation/EDAM Update.
 - C. 2018/2019 Strategic Initiatives.
 - D. Draft 2019 BANC Budget.
 - E. RC Services Update.
 - F. 2018 Legislative Review.
- **Closed Session:** Conference with legal counsel Performance evaluation of a public employee: General Manager, pursuant to subdivision (e) of Cal. Gov't Code § 54957.
- 7 Adjournment.

Balancing Authority of Northern California

Consent Agenda Items

- A. Minutes of the July 25, 2018 BANC Regular Meeting.
- B. BANC Operator's Reports (July and August).
- C. Compliance Officer's Reports (August and September).
- D. PC Committee Chair's Reports (August and September).
- E. General Manager's Report and Strategic Initiatives Update.

MINUTES OF THE REGULAR MEETING OF THE COMMISSIONERS OF THE BALANCING AUTHORITY OF NORTHERN CALIFORNIA (BANC)

July 25, 2018

On this date, a Regular Meeting of the Commissioners of the Balancing Authority of Northern California (BANC) was held in the Mark Twain Salon of the Delta King at 1000 Front Street, Sacramento, California 95814.

Representatives Present:

Member Agency	Commissioner	
Modesto Irrigation District	James McFall, Chair	
City of Redding	Absent	
City of Roseville	Michelle Bertolino	
Sacramento Municipal Utility District	Paul Lau	
City of Shasta Lake	Absent	
Trinity Public Utilities District	Paul Hauser	

Agency	Liaison	
Western Area Power Administration	Sonja Anderson and Ray Ward	

- 1. Call to Order: Chair McFall called the meeting to order at 1:04 p.m.
- 2. Matters Subsequent to Posting the Agenda: None.
- 3. Public Comment: Chair McFall invited comments from the public and none were given.
- 4. <u>Consent Agenda</u>: Mr. Hauser moved, Ms. Bertolino seconded, and the participating Commissioners unanimously approved the Consent Agenda items comprised of the: (A) Minutes of the Regular Commission Meeting held on June 27, 2018; (B) BANC Operator's Report for June; (C) Compliance Officer's Report for July; (D) PC Committee Chair's Report for July; and (E) General Manager's Report and Strategic Initiatives Update.

5. Regular Agenda Items:

- A. Mr. Shetler explained three alternative proposals regarding Reliability Coordinator ("RC") services moving forward. Mr. Shetler also noted that Peak RC formally announced they intend to wind down operations effective December 2019, whereas the CAISO has continued to move forward in its process to develop RC services. Mr. Lau moved, Ms. Bertolino seconded, and the participating Commissioners unanimously approved Resolution 18-07-18 *Authorizing General Manager to Transition RC Services from Peak RC to CAISO*.
- 6. BANC Strategic Planning Session "BANC GOING FORWARD":
 - A. Mr. Shetler provided a BANC status update and reviewed current BANC initiatives, including IRP.
 - B. Mr. Mark Willis gave an EIM Update.

MINUTES OF THE REGULAR MEETING OF THE COMMISSIONERS OF THE BALANCING AUTHORITY OF NORTHERN CALIFORNIA (BANC)

The meeting was adjourned at 4:26 p.m.	
Minutes approved on September 19, 2018.	
C. Anthony Braun, Secretary	



BALANCING AUTHORITY OF NORTHERN CALIFORNIA

P.O. BOX 15830 • D109 • SACRAMENTO • CA 95852 -1830

TO: BANC Commission

RE: BANC Operator Report for July 2018

Operations:

- BA Operations: Normal
- Significant BA Issues: None
- NWPP
 - 1 contingency requiring activation of NWPP
 - Shasta units 1, 3, 4 tripped due to N-2 transmission loss
 - o 271 MW average generation lost
 - 271.6 MW maximum generation lost
 - Recovery within 8.5 minutes
- USF
 - o 20 of 31 days with instances of USF mitigation procedure utilized
 - 7 days on Path 66
 - No operational impact on BANC
- BAAL Operation:
 - Number of BAAL exceedance >10 minutes: None
 - Maximum duration of BAAL exceedance: 4 minutes
 - BAAL violation (BAAL exceedance >30 minutes): None
- COI Actual Flow Greater Than TTC: 8.9 Hours

Monthly Notes:

Daily operations calls due to the Carr fire.



BALANCING AUTHORITY OF NORTHERN CALIFORNIA

P.O. BOX 15830 • D109 • SACRAMENTO • CA 95852 -1830

TO: BANC Commission

RE: BANC Operator Report for August 2018

Operations:

- BA Operations: Normal
- Significant BA Issues: None
- NWPP
 - 1 contingency requiring activation of NWPP
 - o 215 MW average generation lost
 - o 215 MW maximum generation lost
 - o All recoveries within 4.5 minutes
- USF
 - 14 of 31 days with instances of USF mitigation procedure utilized
 - 0 days on Path 66
 - No operational impact on BANC
- BAAL Operation:
 - Number of BAAL exceedance >10 minutes: 1
 - Maximum duration of BAAL exceedance: 12 minutes (due to low system frequency at the time)
 - o BAAL violation (BAAL exceedance >30 minutes): None
- COI Actual Flow Greater Than TTC: 19.8 Hours

Monthly Notes:

No additional notes or impacts for August 2018

Compliance Officer's Report BANC Commission August, 2018

The following summarizes routine issues for the Commission's information and consideration. Any major issues or action items will be identified separately on a future Commission agenda for action.

BA Compliance Issues:

- No significant operational Balancing Authority compliance events occurred.
- A routine compliance monitor of EOP-011-1 (R2) confirmed that compliance is being met. This Reliability Standard addresses the effects of operating, capacity, and energy emergencies by ensuring that BAs develop and coordinate operating plans to mitigate such emergencies within a Reliability Coordinator Area.
- All required BA compliance reports and operating data were submitted to WECC.

BANC MCRC:

• The next MCRC teleconference will be held at 10:00 AM on Monday, August 20, 2018.

Compliance Officer's Report BANC Commission September, 2018

The following summarizes routine issues for the Commission's information and consideration. Any major issues or action items will be identified separately on the Commission agenda for action.

BA Compliance Issues:

- No significant operational Balancing Authority compliance events occurred.
- All required BA compliance reports and operating data were submitted to WECC.

BANC received notification from WECC that BANC's 2019 Combo Audit is currently scheduled to be held September 3, 2019 -September 13, 2019. Following are the key Compliance Audit Activities and due dates for your reference:

Notice of Audit and Audit Packet sent to BANC: June 5, 2019

o Pre-Audit Questions sent to BANC: **July 5, 2019**

o Pre-Audit Conference Call: July 25, 2019 1:00 PM PST

August 5, 2019

August 19, 2019

 All requested evidence, RSAWs, Program and Procedure Documents, etc. due to WECC:

• Objections to Audit Team Members:

o Audit Activities Begin: September 3-13, 2019

BANC MCRC:

• The next MCRC teleconference will be held at 10:00 AM on Monday, September 24, 2018.

BANC PC Committee Chair's Report August 2018

The following summarizes Planning Coordinator-related issues for the Commission's information and consideration. Any major issues or action items will be identified separately on the Commission agenda for action.

BANC PC Committee Issues:

- SMUD staff have completed all analyses for the 2018 BANC PC Ten-Year Transmission System Assessment (TPL-001-4) and are finalizing the study report.
- SMUD staff have completed all analyses for the 2018 BANC PC System Operating Limit Studies (FAC-014-2) and are finalizing the study report.
- The BANC PC Committee held a meeting on July 18th, 2018 via WebEx. The three main topics discussed were:
 - o TPL-001-4 study results
 - o new BANC PC Services offerings
 - o the need for PC Participants to sign the latest CAISO NDA

BANC PC Committee Chair's Report September 2018

The following summarizes Planning Coordinator-related issues for the Commission's information and consideration. Any major issues or action items will be identified separately on the Commission agenda for action.

BANC PC Committee Issues:

- SMUD staff distributed a draft 2018 BANC PC Ten-Year Transmission System Assessment report (TPL-001-4) to all PC Participants for their review. Comments are due on September 14, 2018.
- SMUD staff distributed a draft 2018 BANC PC System Operating Limit Studies report (FAC-014-2) to all PC Participants for their review. Staff are incorporating MID's comments into the final report.

GM Report BANC Commission Meeting September 19, 2018

I wanted to summarize routine issues for the Commission's information and consideration. Any major issues or action items will be identified separately on the Commission agenda for action.

Outreach Efforts:

Refer to GM outreach report provided under separate distribution. In addition, here are some other noteworthy items:

TID

We continue to be open to discussions with TID regarding potential joint efforts on EIM participation. TID provided feedback that they have been given authority to work with BANC on potential EIM participation and possible joint use of the SMUD/BANC EMS. Prior feedback from TID is that they wanted to see if the actual benefits for SMUD in Phase 1 of BANC EIM match the forecast before they commit to moving forward with EIM participation. However, TID did seek a rough estimate of what joining the BANC EIM might cost for their planning purposes. We had a meeting with TID staff on January 12, 2018, to discuss various options for BANC and TID to work together in the future. These included the potential for TID to join BANC and/or to work with BANC on EIM participation. Follow-up discussions indicate that TID is still interested in working jointly with BANC and also with SMUD regarding joint EMS. Based upon further review, we believe that TID participation with BANC on EIM and SMUD with EMS would be best accomplished with TID joining BANC. We held follow-up discussions with TID in late June and provided them with details on potential savings they could see in joining BANC. We have also provided them with the IPA and member agreements to assist in their decision-making. We have reached out to TID to let them know that we are finalizing our budget of 2019 and currently there are no dollars set aside for any TID transition. We further let them know that if they are still interested in participating in EIM through BANC, we will need to start the TID to BANC transition in 2019.

LADWP/Seattle City Light/SRP

Dialogue continues with these entities regarding EIM participation. LADWP received approval from the City Council in May 2017 to participate in EIM. They were originally shooting for a Spring 2019 go-live date, but have since slipped to Spring 2020. Seattle City Light received approval in November 2016 from the City Council to proceed with participation in EIM. SCL has recently announced that they will slip implementation to spring of 2020. SRP management received approval from its

Board in February 2017 to participate in EIM and made its formal announcement in early May. They are currently forecasting "go-live" in spring 2020. Based upon the group's discussions, we have agreed to continue to interact on an informal basis to make sure we are on the same page on EIM issues from a POU perspective. In addition, we are collaborating with the other POUs on joint language to use in the EIM agreement that we will all need to sign for EIM operations, on how to address market-based rate authority with DMM, and potential common language for OATT revisions. We have also worked with the other three entities to agree upon the joint funding of BBSW to monitor CAISO interfaces for us.

POU Western Markets Initiative

BANC continues to participate in this effort, which is being coordinated by APPA. The group continues to evaluate how best to represent the POUs in the everchanging power markets in the West. The next in-person meeting is scheduled for Sacramento on September 24, 2018.

Market Initiatives:

EIM Participation

The CAISO filed the BANC Implementation Agreement with FERC on 3/24/17. BANC did file at FERC in support of approval of the agreement. FERC issued a letter order on 5/18/17 accepting the CAISO filing for BANC EIM participation. BANC has initiated the efforts for registering with the CAISO as the BANC EIM Entity and SC for the EIM project. In addition, BANC is working with the Treasurer to identify the processes and approvals needed to obtain counterparty financial status with the CAISO. The Commission approved the approach for risk policies for BANC at the June meeting.

Utilicast finalized the system "gap" analysis on technologies to identify any additional areas needed for supporting EIM implementation. Results of the system "gap" analysis were presented on June 29, 2017. No major areas of concern were identified. Utilicast stated that the BANC/SMUD team is the best prepared for EIM participation of any entity they have evaluated. Utilicast completed a process "gap" analysis, with a report provided on October 3, 2017. This analysis also concluded that there are no major areas of concern. SMUD is now receiving the software updates for the systems that will support EIM and system testing has begun. The EIM operators are fully on board and have initiated training. The EIM Entity Agreement has been finalized, signed by BANC and CAISO, and filed at FERC.

BANC and SMUD have met to discuss the initial outline of scope of services for the BANC/SMUD EIM Services Agreement. BBSW has finalized a formal agreement and BANC and SMUD have agreed upon initial funding levels. The Commission at its January 2018 meeting approved the agreement. The BANC EIM Oversight

Committee has agreed upon an approach for cost allocation, which was presented to the Commission at the July meeting.

BANC, SMUD, and the other members continue to discuss the issue of internal bilateral trading within the BANC footprint once SMUD participates in EIM in 2019. We have outlined the scope of the problem, have held discussions with the CAISO to better understand the limitations on SMUD in EIM, and are shooting to return to the Commission late 2018 with some preliminary recommendations on how to proceed.

BANC and TANC continue to hold discussions with the CAISO regarding IBAA relief. As a result of these discussions, the CAISO has initiated evaluating options for BANC/TANC consideration. We will update the Commission when these options are fully defined.

The CAISO has also announced the intent to allow EIM entities to participate in an extended Day-ahead Market (EDAM). The details of how this will work will be discussed in 2018, including a cost/benefit analysis. It is expected that if an EDAM looks feasible the CAISO would use 2019 to conduct a formal stakeholder process followed by tariff filings at FERC. The EIM entities have initiated discussions among themselves and with the CAISO regarding the key issues that will need to be addressed for potential participation in the day-ahead market.

WAPA:

Market Engagement

We are working with WAPA on integrating them in to the EIM implementation discussions. This includes EIM Phase 2 discussions with WAPA, MID, Redding, and Roseville. Based upon these discussions, the group has developed a set of "principles" for a possible Phase 2. In addition, the group has contracted with GridSME for additional evaluation work for a possible Phase 2. GridSME issued its preliminary report in early August and a revision in early September. The Phase 2 group has reviewed this report. In addition, SMUD has offered some concepts around moving forward with a possible Phase 2, which the group reviewed in December 2017. We followed-up with WAPA-SNR regarding their role in potential Phase 2 and believe we have resolved any issues. We have also held preliminary discussions with the CAISO on the SMUD Phase 2 concepts and received initial, favorable response. This concept was discussed at the Strategic Planning Session in July. We also had a follow-up meeting with the CAISO and will be presenting some alternative approaches to the Phase 2 members this fall. The goal is to have this finalized with the CAISO by the end of 2018.

San Luis Transmission Project

WAPA-SNR has announced its intent to work with the Bureau of Reclamation and CDWR to construct the SLTP. BANC met with WAPA and the other parties to fully

understand the implications of having this new transmission project in the BANC BA/WAPA-SNR sub-BA. We are anticipating some follow-on meetings with WAPA-SNR, DWR, and CAISO as this project progresses.

Peak Reliability:

Aliso Canyon

Peak/CAISO/LADWP/SCE have finalized assessments for summer 2018. Public meetings were scheduled to start the process for determining if Aliso Canyon can "restart". Indications are that public opposition to restart of Aliso Canyon will be strong. At this stage, it is assumed that Aliso Canyon will not be available for use this summer, though there might be a possibility for "emergency" use. Though partial injection of gas in to the fields has begun, the Governor has also requested that shutdown of the field within 10 years be evaluated.

Peak/PJM Connext Partnership

Peak and PJM Connext have completed their business case for both development of a new market and for core RC services. Their business case has been posted on the Peak website. Peak is holding meetings with interested parties to determine if there is enough interest to proceed with a more formal market development effort and to determine which entities might be staying with Peak as their Reliability Coordinator (RC). Based upon feedback to date, Peak/PJM Connext has extended their market commitment date until this fall. On July 18, 2018, Peak announced that it had terminated its partnership with PJM Connext as part of its decision to wind down operations. There is a possibility that PJM Connext may still pursue market development in the West on its own.

RC Services Alternatives

BANC and the three TOPs (SMUD, MID, and WAPA-SNR) in the BANC footprint submitted in late March their revocable notices of withdrawal from Peak. In addition, BANC and the TOPs have entered in to non-binding letters of intent to evaluate RC services from the CAISO. This effort has formally kicked off. Also, based upon the discussions at the July meeting, BANC has informally notified the CAISO of its intent to take RC services from the CAISO in the future. We are also in discussions with the CAISO about having the BANC footprint move to the CAISO for RC services by July 1, 2019.

Peak has also issued alternative budget proposals for next year:

- Wind down Peak by the end of 2019
- Continue Peak RC at current levels through 2019 and then move to the Transitional RC in 2020

Peak was originally seeking Funding Party input by late July on which of these options is preferred. However, on July 18, 2018, Peak unilaterally made the decision to wind down its operations based upon the informal feedback it had been receiving from the Funding Parties. BANC is working with the other Funding Parties to coordinate on the wind down effort for Peak.

Peak MAC and Board Meetings

The quarterly meeting of the Peak MAC and Board is being held on September 17-18, 2018. I will be attending these meetings in my roles as both the BANC executive sponsor and as the Peak MAC Chair.

WECC

Electricity/Natural Gas Reliability Interface

WECC initiated its natural gas/electricity interface study in September 2017. Based upon further discussions with WECC, I have been asked to participate on the executive oversight committee for this effort. The status of this effort was discussed at the February 2018, WEIL meeting in San Diego, which I attended. This was discussed at the WECC Board meeting on 3/6-7/18 in Salt Lake City. An update was also provided at the WEIL meeting in early May 2018. WECC provided a public version of the report at its meetings on June 19-20, 2018. The WEIL group is also considering a general letter to policy makers in the West recommending that they take the results of the WECC study in to consideration as they evaluate electric policies for their respective areas.

WECC Board Meetings

The next WECC Board meeting was September 11-12, 2018, in Tempe, AZ. This was also the annual members' meeting. Due to conflicts with other BANC business I did not attend this meeting, but I had previously submitted the Class 1 MAC representative ballot on behalf of BANC.

RC Services for the West

WECC and NERC issued a joint letter to the BAs and TOPs in the West seeking input by September 4, 2018, as to which RC footprint the entities will be using for their long-term RC. WECC/NERC are trying to gauge what level of certification support they will need to be providing over the next year to allow RC transitions to occur. I responded to this request on behalf of BANC in late August and identified the CAISO as the future RC service provider for the BANC BA and the three TOPs (MID, SMUD, and WAPA-SNR) in our footprint.

CDWR Delta Pumping Load:

BANC is coordinating with SMUD, CDWR, WAPA, and the CAISO regarding how the construction and pumping loads and ancillary services will be provided for this project. We have received feedback that CDWR intends to use SMUD for transmission service at the north end of the project and WAPA for the south end. CDWR is also waiting on formal decisions by the water contractors to fund the project.

Strategic Initiatives:

As noted in the July Strategic Planning meeting, the 2017/2018 Strategic Initiatives are essentially complete. The intent is to bring forward the new 2018/2019 Strategic Initiatives at the September Commission meeting for discussion and possible approval.

BANC 2018/2019 Strategic Plan - Routine Initiatives - September 2018 Update

No./Priority	Focus Area	Initiative	Responsibility	Target Due Date	Status
1	INDEPENDENCE	Effectively oversee the BA	Jim Shetler	Ongoing	See monthly Ops, PC,
Medium		operations.			Compliance, & GM Reports
2		Develop long-term succession	Jim Shetler/Commission	4th Qtr. 2019	
Medium		plan and traits for General			
		Manager			
3		Organizational Issues:			
Low		~ Develop BANC procedures &	Jim Shetler/BBSW	4th Qtr. 2019	
		processes as approporiate			
4	OUTREACH	Engage in industry forums	Jim Shetler	Ongoing	Continue attending Peak &
Medium		(WECC, Peak, NWPPA, etc.)			WECC Board mtgs, WEIL, &
					NWPP Exec. Forum
5		Coordinate with other POU BAs	Jim Shetler	Ongoing	Coordinating with SCL, SRP,
Medium		(Ca and regionally)			LADWP, & TID on EIM
6		Outreach to regulatory and	Jim Shetler/BBSW	Ongoing as	
Medium		legislative bodies on key issues		Necessary	
7	ASSETS	Evaluate joint dispatch options	Resource Committee	4th Qtr. 2019	
Medium					
8	MEMBER SERVICES	Identify and outreach to	Jim Shetler	Ongoing	Continue follow-on
Low		potential new BANC members			discussions with TID on
					BANC participation

BANC 2018/2019 Strategic Plan - Focused Initiatives - September 2018 Update

No./Priority	Focus Area	Initiative	Responsibility	Target Due Date	Status
9	INDEPENDENCE	Manage implementation of EIM	Jim Shetler/SMUD	4/3/19	
High		Phase 1 participation effort			
10		Planning efforts for possible		10/1/19	
High		EIM Phase 2			
		~ Gap analysis by Utilicast	Jim Shetler	7/1/19	
		~ Develop BANC processes	Jim Shetler/BBSW	10/1/19	
		~ Finalize Phase 2 processes	Jim S./BBSW/Mark W.	12/31/18	
		~ Phase 2 EIM Impl. Agrmt.	Jim Shetler/BBSW	10/1/19	
11		EDAM Phase 1 evaluation			
High		~ Cost/Benefit analysis	Jim Shetler/BBSW	2nd Qtr. 2019	
		~ CAISO Stakeholder Process	Jim Shetler/BBSW	4th Qtr. 2019	
12	OUTREACH	Evaluate opportunities to	Jim Shetler	4th Qtr. 2017	~ Continue coordination
Medium		engage other entities in market			w/ LA, SCL, SRP
		development			~ Continue TID discussions
13		Regional Policy Issues: Monitor/	Jim Shetler/Commission	Ongoing	
Medium		weigh-in where appropriate			
14		Regionalization:			
High		~Monitor CAISO governance	Jim Shetler/BBSW	Ongoing	
		~EDAM discussions	Jim Shetler/BBSW		
15		Transition of RC Services			
High		~Transfer from Peak to CAISO	Jim Shetler	7/1/19	
		~Coordinate Peak Wind Down	Jim Shetler	12/31/19	
		to support transition			
16	ASSETS	2018 IRP Review Issues			
Medium		~SMUD UARP Capabilities	Jim S./Res. Com./SMUD	12/31/19	
		~WAPA/BOR CVP Capabilities	Jim S./Res. Com./WAPA	12/31/19	
		~Coordination w/ CAISO/TID	Jim S./Res. Com.	12/31/19	
		~Discuss DWR capabilities	Jim S./Res. Com.	12/31/19	
		~Coordinate on next IRPs	Jim S./Res. Com.	12/31/19	
17	MEMBER SERVICES	Evaluate TP services for Redding	Jim Shetler/J. Gillette	12/31/18	
Medium		& Roseville			

Balancing Authority of Northern California

Agenda Item 5A

1. Appointment of Commission Chair in accordance with BANC JPA Section 11.4.

Braun Blaising Smith Wynne, P.C.

Attorneys at Law

9/12/18

To: BANC Commission

From: BANC Counsel

RE: Selection of BANC Chair

At the June 28, 2017 BANC Commission Meeting, Mr. Greg Salyer was selected as the BANC Chair to replace Mr. Barry Tippen, who left to become Redding City Manager. Pursuant to Section 11.4 of the Second Amended Joint Powers Agreement, the Commission is required to select a Chairperson annually.

As Mr. Salyer has completed a one-year term, the Commission must make its annual selection. As a reminder, although the Chairperson's term is one year, the Chair may serve two consecutive terms.