

Balancing Authority of Northern California

Regular Meeting of the Commissioners of BANC

2:00 P.M.

Wednesday, July 23, 2025

2600 Capitol Avenue, Suite 400

Sacramento, CA 95816

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 **July 23, 2025 at 2:00 p.m. at 2600 Capitol Avenue, Suite 400, Sacramento, CA 95816.**

The following information is being provided as the forum by which members of the public may observe the meeting and offer public comment:

Phone: 1-301-715-8592 or 1-305-224-1968

Meeting ID: 815 9171 0972

Passcode: 346378

Meeting Link: <https://us06web.zoom.us/j/81591710972?pwd=hdlnkRHyQF7rTGmhZvoCLWC9047ul.1>

If a member of the public would like to make a comment during the public comment period, please use the 'Raise Hand' function and staff will note your desire to speak. For members of the public joining by telephone (audio only), please email your public comment to administrator@braunlegal.com. Public comment received by email will be read within the allotted public comment period.

Public Meeting Locations:

Any member of the public may observe the meeting and offer public comment at the following addresses where Commissioners may also join the meeting:

City of Shasta Lake

3570 Iron Court
Shasta Lake, CA 96019

Redding Electric Utility

3611 Avtech Parkway (Executive Conference Room)
Redding, CA 96002

AGENDA

- 1 Call to Order and Verification of Quorum.**
- 2 Matters subsequent to posting the Agenda.**
- 3 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 May 28, 2025.
 - B. BANC Operator Reports (May and June).
 - C. Compliance Officer Reports (June and July).
 - D. PC Committee Chair Reports (June and July).
 - 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. General Manager Updates.
 - i. Market Updates – EIM, EDAM, Pathways, Markets+, WPP.
 - ii. Strategic Plan Updates.
 - iii. 2025 Strategic Planning Session Updates – August 27, 2025.
 - C. Consider and Possibly Approve Resolution 25-07-01 *Authorization of Consultant Contract for BANC RA Program Development.*
 - D. Update and Discussion on EDAM Project Schedule and Budget.
 - i. Consider and Possibly Approve Resolution 25-07-02 *Approval of Revised 2025 Annual Budget for BANC.*
 - E. Consider and Possibly Approve Resolution 25-07-03 *Approval of Revised Participation Percentages and Cost Allocation Methodology.*
 - F. Discussion on Development of 2026 BANC Annual Budget.
 - G. Member Updates.

Accessible Public Meetings - Upon request, BANC will provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. Please send a written request, including your name, mailing address, phone number and brief description of the requested materials and preferred alternative format or auxiliary aid or service at least 3 days before the meeting. Requests should be sent to: Kris Kirkegaard, 2600 Capitol Avenue, Suite 400, Sacramento, CA 95816 or to administrator@braunlegal.com.

BALANCING AUTHORITY OF NORTHERN CALIFORNIA

- 6 Closed Session:** Conference with legal counsel in anticipation of litigation pursuant to Cal. Gov't Code § 54956.9; anticipated litigation, two (2) matters: (1) Transmission coordination agreements for the California Oregon Intertie; (2) Federal Energy Regulatory Commission Docket No. ER25-2637-000.
- 7 Adjournment.**

Balancing Authority of Northern California

Consent Agenda Items

- A. Minutes of the May 28, 2025 BANC Regular Meeting.**
- B. BANC Operator Reports (May and June).**
- C. Compliance Officer Reports (June and July).**
- D. PC Committee Chair Report (June and July).**
- 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)

May 28, 2025

On this date, a Regular Meeting of the Commissioners of the Balancing Authority of Northern California was held at 2600 Capitol Avenue, Suite 400, Sacramento, CA 95816.

Representatives:

Member Agency	Commissioner
Modesto Irrigation District (MID)	Martin Caballero
City of Redding	Nick Zettel
City of Roseville	Shawn Matchim, Alternate
Sacramento Municipal Utility District (SMUD)	Paul Lau
City of Shasta Lake	Absent
Trinity Public Utilities District (TPUD)	Paul Hauser, Chair

Other Participants:

Jim Shetler	General Manager
Chris Hofmann	BANC Operator
Tony Braun	General Counsel
Kris Kirkegaard	General Counsel Support
Michelle Williams	Western Area Power Administration

1. Call to Order and Verification of Quorum: A quorum was confirmed; attendance is noted above. Chair Hauser called the meeting to order at 2:00 p.m.
2. Matters Subsequent to Posting the Agenda: Mr. Shetler noted that there were no changes to the agenda itself, but the budget item (5D) has been adjusted to remove updates related to the expected change in the schedule for EDAM Implementation.
3. Public Comment (any matter on the agenda): None.
4. Consent Agenda: Chair Hauser invited comments from the Commission and a motion on the Consent Agenda; no comments.

ACTION: M/S (Matchim/Caballero) to approve the Consent Agenda . Motion carried by a unanimous vote of those present. (Absent: Commissioner Takehara).

5. Regular Agenda Items.

A. General Manager Updates:

i. Market Updates – EIM, EDAM, Markets+, WRAP.

Mr. Shetler noted that BANC is continuing to see benefits from participation in EIM. He overviewed the ongoing status of EIM and the EDAM Implementation, noting an upcoming agenda item regarding possible participation in the CAISO EIM Assistance

Energy Transfer Program and a Settlements Committee recommended seasonal adjustment cash call, which has already been authorized by the Commission. Mr. Shetler also touched on the Congestion Revenue Allocation issue currently under discussion by CAISO. A transitional approach has been determined following stakeholder input, and approval is expected this year; however, a more formal stakeholder process is expected to be undertaken as the market evolves. BANC is tracking the OATT development of other EDAM participants, and OATT discussions with WAPA have been initiated.

Mr. Shetler also shared brief updates on the West-wide Governance Pathways Initiative, SPP Markets+, and WPP. Michelle Williams provided input regarding WAPA-SNR's intent to continue to pursue EDAM development on an accelerated schedule, despite the delay in planned implementation from spring to fall of 2027. Mr. Braun provided comments, and questions from the Commission on these topics were addressed. No action requested or taken.

ii. Strategic Plan Updates.

Mr. Shetler provided updates on the IRP Summary Report, RA Policy Development, and Resource Procurement initiatives. He noted that SMUD has confirmed they can support development of an IRP summary report. Estimates are being developed, and a master services agreement will be brought back to the Commission for approval. Regarding RA Policy Development, revised proposals from the three short-listed entities are currently under review; this effort is not expected to start until the fall of 2025. A broader RFP for resource procurement is in the process of being finalized. Questions from the Commission were address, and no action requested or taken.

iii. WECC Audit Update.

Mr. Shetler provided a brief update on the triennial WECC audit results and invited James Leigh-Kendall, BANC Compliance Officer, to provide additional comments. He also commended SMUD's compliance team and subject matter experts on the strong culture of compliance and WECC relationship. No action requested or taken.

B. Consider and Possibly Approve Resolution 25-05-01 *Acknowledgement and Acceptance of the 2025 Summer Load & Resources Assessment of the Balancing Authority of Northern California.*

Mr. Shetler introduced Chris Hofmann, who overviewed the current year assessment. There was discussion among the Commission, and their questions were addressed.

ACTION: M/S (Lau/Zettel) to **approve Resolution 25-05-01 *Acknowledgement and Acceptance of the 2025 Summer Load & Resources Assessment of the Balancing Authority of Northern California.*** Motion carried by a unanimous vote of those present. (Absent: Commissioner Takehara).

C. Consider and Possibly Approve Resolution 25-05-02 *Approval of BANC Participation in CAISO EIM Assistance Energy Transfer Program.*

Mr. Shetler again turned things over to Chris Hofmann, who provided information on the Assistance Energy Transfer Program. Questions from the Commission were addressed, and Mr. Shetler provided comments.

ACTION: M/S (Caballero/Matchim) to **approve Resolution 25-05-02 *Approval of BANC Participation in CAISO EIM Assistance Energy Transfer Program.*** Motion carried by a unanimous vote of those present. (Absent: Commissioner Takehara)

D. Consider and Possibly Approve Resolution 25-05-03 Approval of Revised 2025 Annual Budget for BANC.

Mr. Shetler overviewed this item, noting changes to the Base Budget and PA-1: PC Services. He proposed a deferral of the proposed amendments to PA-8: EDAM Implementation, due to an expected delay in EDAM go-live from spring to fall of 2027. Recommended changes to that budget item will be brought back at a future meeting for review and approval. The resolution was modified to remove this item, and Mr. Shetler also noted a correction to the packet under the base budget item 1d, where Resource Committee Support was incorrectly shown as \$234,300 rather than the correct amount of \$224,300. Michelle Williams thanked Mr. Shetler for outreach to WAPA-SNR regarding potential support services, and Mr. Shetler confirmed that dialogue continues with WAPA on that topic.

ACTION: M/S (Zettel/Caballero) to approve Resolution 25-05-03 Approval of Revised 2025 Annual Budget for BANC. Motion carried by a unanimous vote of those present. (Absent: Commissioner Takehara)

E. Consider and Possibly Approve Resolution 25-05-04 Approval of Revised Participant Percentages and Cost Allocation Methodology.

Mr. Shetler clarified that the Commission was only being asked for direction today, as it is anticipated that unanimous approval to change the methodology is required of the Commission under the JPA. He also explained the rationale behind the proposed change and invited comments from Mr. Braun, BANC General Counsel. Questions from the Commission were addressed.

ACTION: M/S (Lau/Zettel) to approve Resolution 25-05-04 Approval of Revised Participant Percentages and Cost Allocation Methodology. Motion carried by a unanimous vote of those present. (Absent: Commissioner Takehara)

F. Member updates.

Commissioner Caballero noted a couple of settlement items awaiting FERC approval and provided an update on MID's next WECC audit, which is scheduled for December of 2025. Commissioner Zettel provided an update on REU's Wildfire Mitigation Plan. Alternate Commissioner Matchim shared updates on debt issuance and a planned repower of one of their power plants, an update on Roseville Energy Park, and some challenges related to lost gas pressure. Commissioner Lau noted recent ratings agency reviews and related mitigation-related activities, rate updates, and he provided updates related to their DOE grants. Ms. Williams touched on the topics of PSPS, load growth, CAISO project selections, staffing and prioritization updates. Chair Hauser touched on ratings agency challenges, rate updates, CEC exemptions, and CPUC audits.

The Commission adjourned at 4:13 p.m.

Minutes approved on July 23, 2025.

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 May 2025

Operations:

- BA Operations: Normal
- Significant BA Issues: None
- Declared BA Energy Emergency Alert Level (EEA): N/A
- RSG Activations
 - 1 Qualifying Event(s)
 - 0 MW Qualifying Event request
 - 258 MW average generation lost
 - 258 MW maximum generation lost
 - Generating unit(s) and date(s) affected: Sutter Energy Center, 5/27/2025
Sutter Energy Center (SEC) PP CTG 1 & STG forced offline at ~10:16 PM due to hydraulics issue with the steam turbine of the combined-cycle plant
 - All recoveries within 7 minutes
- USF
 - 9 of 31 days with instances of USF mitigation procedure utilized
 - 0 days on Path 66
 - No operational impact on BANC
- BAAL Operation:
 - Maximum duration of BAAL exceedance: 5 Minutes
 - Number of BAAL exceedance >10 minutes: None
 - BAAL violation (BAAL exceedance >30 minutes): None
- Frequency Response (FR) Performance – Quarterly Metric:
 - 2025 Frequency Response Obligation (FRO): -18.7 MW/0.1Hz
 - Q1 Frequency Response Measure (FRM): -49.6 MW/0.1Hz
 - Q1 Number of Under-Performed Events: 1 out of 3

Monthly Notes:

- None

A JOINT POWERS AUTHORITY AMONG

Modesto Irrigation District, City of Redding, City of Roseville, Trinity Public Utilities District,
City of Shasta Lake, and Sacramento Municipal Utility District



BALANCING AUTHORITY OF NORTHERN CALIFORNIA

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

TO: BANC Commission

RE: BANC Operator Report for June 2025

Operations:

- BA Operations: Normal
- Significant BA Issues: None
- Declared BA Energy Emergency Alert Level (EEA): N/A
- RSG Activations
 - 0 Qualifying Event(s)
 - 0 MW Qualifying Event request
 - 0 MW average generation lost
 - 0 MW maximum generation lost
 - Generating unit(s) and date(s) affected: None
 - All recoveries within 0 minutes
- USF
 - 5 of 30 days with instances of USF mitigation procedure utilized
 - 0 days on Path 66
 - No operational impact on BANC
- BAAL Operation:
 - Maximum duration of BAAL exceedance: 4 Minutes
 - Number of BAAL exceedance >10 minutes: None
 - BAAL violation (BAAL exceedance >30 minutes): None
- Frequency Response (FR) Performance – Quarterly Metric:
 - 2025 Frequency Response Obligation (FRO): -18.7 MW/0.1Hz

Monthly Notes:

- None

A JOINT POWERS AUTHORITY AMONG

Modesto Irrigation District, City of Redding, City of Roseville, Trinity Public Utilities District,
City of Shasta Lake, and Sacramento Municipal Utility District

Compliance Officer Report

BANC Commission Meeting

June 2025

The following summarizes routine issues for the Commission's information and consideration. Any major issues or action items will be identified on a future 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's 2025 Entity Monitoring Schedule (WECC):
 - The final audit report has not yet been circulated by WECC.
 - The potential non-compliance (PNC) identified during the audit is making its way through the WECC process. Additional information will continue to be shared with the MCRC and the Commission as it becomes available.

BANC MCRC:

The next BANC MCRC meeting is scheduled to be held at 10:00 AM on Monday, June 23rd via teleconference.

Compliance Officer Report

BANC Commission Meeting

July 2025

The following summarizes routine issues for the Commission's information and consideration. Any major issues or action items will be identified 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's 2025 Entity Monitoring Schedule (WECC):
 - The potential non-compliance (PNC) identified during the audit continues to move through the WECC process. Additional risk and mitigation information, along with evidence, has been submitted to WECC for review. Information will continue to be shared with the MCRC and the Commission as it becomes available.

BANC MCRC:

The next BANC MCRC meeting is scheduled to be held at 10:00 AM on Monday, July 28th via teleconference.

PC Committee Chair Report

BANC Commission Meeting

June 2025

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

BANC PC Committee Updates and/or activities:

SMUD staff continues to work toward demonstrating compliance with PC-related NERC reliability standards.

- FAC-002-4 – Facility Interconnection Studies – Staff is fielding follow-up questions and will be finalizing the BANC PC FAC-002-4 R6 Qualified Changes document. It will be posted on BANC member site and distributed once the document is posted.
- FAC-014-3 - Establish and Communicate SOLs – Staff finalized the FAC-014-3 procedure that describes how the FAC-014-3 compliance actions process will be followed for BANC PC. Staff participated in audit interviews for FAC-014-3 with WECC and implemented recommendations by WECC into the updated procedure.
- MOD-033-2 Model Validation – MOD-033-2 model validation study will be started fall of 2025 for both dynamic and steady state and completed by the end of this year.
- PRC-006-5 Automatic Underfrequency Load Shedding – Staff sent out a data request to BANC PC Participants for their 2025 ULFS data to use in response to the annual Southern Island Load Tripping Plan (SILTP) being coordinated by the Off-Nominal System Protection & Restoration (OFSPR). The OFSPR will then send the SILTP as a coordinated annual plan to WECC for PRC-006-5 compliance in an annual report to WECC.
- PRC-012 Remedial Action Schemes Assessment – Staff will perform a comprehensive “once in every 60 calendar months” Remedial Action Scheme (RAS) assessment to demonstrate that the BANC PC portion of the Bulk Electric System (BES) meets all performance and other requirements specified in the NERC Reliability Standard PRC-012-2 Requirement 4. Staff sent out the study plan for comments and review. The final study report will be completed by December 31st. A survey on the BANC members' RAS schemes was sent out early March.
- PRC-023-6 and PRC-026-1 – The study plans were finalized and distributed to BANC PC Participants on May 2nd, and staff is in the process of running power flow simulations for the 2025 assessments. The PRC-023-6 analysis did not identify any sub 200 kV circuits that PRC-023-6 applies to, and BANC PC Participants were communicated these results on May 30th.

- TPL-001-5.1 - Transmission System Planning Performance – Preliminary steady state runs are being performed.
- TPL-007-4 Transmission System Planned Performance for Geomagnetic Disturbance Events - Staff completed GMD voltage portion of the study to assess the GMD event's impact on the bulk system voltages and reactive power consumptions within the BANC PC Participants' areas. The voltage portion of the study was not included in the WECC 2022 GMD study, which only included the GIC portion of the study. The 2024 mock auditor recommended to perform the additional voltage study for compliance. The GMD voltage study report was sent out to BANC PC participants for review on March 12th.

The table below shows the current status of all PC-related NERC standards:

	PC Standard	Estimated % Complete	Notes
1	FAC-002-4 Interconnection Studies	95%	Staff is finalizing the BANC PC FAC-002-4 R6 Qualified Changes document after BANC PC review and will have it posted on BANC member site and distribute it once the document is posted. Staff also received responses from BANC PC Participants for a list of qualified changes for their system for years 2025-26 and any generation resource projects 20 MVA or more that are connected to 60 kV or above. There are no BES level projects requiring additional FAC-002 assessments.
2	FAC-014-3 Establish and Communicate SOLs	50%	Staff finalized the FAC-014-3 procedure that describes how the FAC-014-3 compliance actions process will be followed for BANC PC. Staff participated in Audit interviews for FAC-014-3 with WECC. This process is ongoing, and recommendations by WECC have been implemented into the updated procedure.
3	IRO-017-1 Outage Coordination	0%	Awaiting the acceptance of the 2025 annual assessment to be sent to the Reliability Coordinator.
4	MOD-031-3 Demand and Energy Data	100%	The 2025 WECC Loads and Resources data and narrative response requests have been provided by BANC PC Participants and WASN for data entry and narrative response, and this information was uploaded to WECC on 02/14/25.
5	MOD-032-1 Data for Power System Modeling & Analysis	50%	Ongoing activity. Data requests to fulfill 13-month cycle for compliance.

	PC Standard	Estimated % Complete	Notes
6	MOD-033-2 System Model Validation	0%	MOD-033-2 study will be started in fall of 2025 and the final report will be completed by the end of this year.
7	PRC-006-5 Underfrequency Load Shedding	65%	Staff continues to participate in WECC Under-Frequency Load Shed Working Group representing BANC PC as necessary. Staff sent out a data request to BANC PC Participants for their 2025 ULFS data to use in response to the annual Southern Island Load Tripping Plan (SILTP) being coordinated by the Off-Nominal System Protection & Restoration (OFSPR). The OFSPR will then send the SILTP as a coordinated annual plan to WECC for PRC-006-5 compliance.
8	PRC-010-2 Undervoltage Load Shedding	100%	Staff completed performing the UVLS assessment studies. A draft version of the report was sent to Roseville for review and comments on 9/19/24 and the final report was issued on 12/24/24.
9	PRC-012-2 Remedial Action Schemes	10%	Staff sent the study plan for review and comments. The final study report will be completed by 12/31/25. A survey on the BANC members' RAS schemes was sent out early March.
10	PRC-023-6 Transmission Relay Loadability	50%	The study plans were finalized and distributed to BANC PC Participants on 05/02/25, and staff is in the process of initiating power flow simulations for the 2025 assessments.
11	PRC-026-2 Relay Performance During Stable Power Swings	30%	The study plans were finalized and distributed to BANC PC Participants on 05/02/25, and staff is in the process of initiating power flow simulations for the 2025 assessments.
12	TPL-001-5 Transmission System Planning Performance	25%	Preliminary steady state runs are being performed
13	TPL-007-4 Transmission System Planned Performance for Geomagnetic Disturbance Events	90%	Staff completed GMD voltage portion of the study to assess the GMD event impact on the bulk system voltages and reactive power consumptions within the BANC PC Participants' areas. The GMD voltage portion of the study was not included in the WECC 2022 GMD study, which only included GIC portion of the study. The GMD additional voltage study report was sent out to BANC PC Participants on 3/12/25.

PC Committee Chair Report

BANC Commission Meeting

July 2025

The following summarizes Planning Coordinator-related activities and updates 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 Updates and/or activities:

SMUD staff continues to work toward demonstrating compliance with PC-related NERC reliability standards.

- FAC-002-4 – Facility Interconnection Studies – Staff is finalizing the BANC PC FAC-002-4 R6 Qualified Changes document and will have it posted on BANC member site and distribute it in July.
- FAC-014-3 - Establish and Communicate SOLs – Staff finalized the FAC-014-3 procedure that describes how the FAC-014-3 compliance actions process will be followed for the BANC PC. Staff evaluated ratings and provided communication to impacted parties where BANC PC is using different ratings than RC West. Staff is now performing powerflow and stability simulations for the Planning assessment and will be evaluating the results in July-August.
- MOD-033-2 Model Validation – MOD-033-2 model validation study will be started fall of 2025 for both dynamic and steady state and completed by the end of this year.
- PRC-006-5 Automatic Underfrequency Load Shedding –BANC PC Participants submitted their 2025 ULFS data to use in response to the annual Southern Island Load Tripping Plan (SILTP) data collection coordinated by the Off-Nominal System Protection & Restoration (OFSPR). The OFSPR then compiled and sent the SILTP as a coordinated annual plan to WECC for PRC-006-5 compliance in an annual report for year 2025.
- PRC-012 Remedial Action Schemes Assessment – Staff will perform a comprehensive “once in every 60 calendar months” Remedial Action Scheme (RAS) assessment to demonstrate that the BANC PC portion of the Bulk Electric System (BES) meets all performance and other requirements specified in the NERC Reliability Standard PRC-012-2 Requirement 4. Staff sent out the study plan for comments and review. The final study report will be completed by the end of the year. A survey on the BANC's member's RAS schemes was sent out early March.
- PRC-023-6 and PRC-026-1 – The study plans were finalized and distributed to BANC PC Participants on May 2nd, and staff is in the process of running transient stability simulations for the 2025 assessments. The PRC-023-6 analysis did not identify any

sub-200 kV circuits that PRC-023-6 applies to, and BANC PC Participants were communicated these results on May 30th.

- TPL-001-5.1 - Transmission System Planning Performance – Preliminary stability runs are being performed.
- TPL-007-4 Transmission System Planned Performance for Geomagnetic Disturbance Events - Staff completed the GMD voltage portion of the study to assess the GMD event's impact on the bulk system voltages and reactive power consumptions within the BANC PC Participants' areas. The voltage portion of the study was not included in the WECC 2022 GMD study, which only included the GIC portion of the study. The 2024 mock auditor recommended to perform the additional voltage study for compliance. The GMD voltage study report was sent out to BANC PC Participants for review on March 12th.

The table below shows the current status of all PC-related NERC standards:

	PC Standard	Estimated % Complete	Notes
1	FAC-002-4 Interconnection Studies	95%	Staff is finalizing the BANC PC FAC-002-4 R6 Qualified Changes document after BANC PC review and will have it posted on BANC member site and distribute it once the document is posted. Staff also received responses from BANC PC Participants for a list of qualified changes for their system for years 2025-26 and any generation resource projects 20 MVA or more that are connected to 60 kV or above. There are no BES level projects requiring additional FAC-002 assessments.
2	FAC-014-3 Establish and Communicate SOLs	65%	Staff finalized the FAC-014-3 procedure that describes how the FAC-014-3 compliance actions process will be followed for BANC PC. Staff participated in Audit interviews for FAC-014-3 with WECC. Staff evaluated ratings and provided communication to impacted parties where BANC PC is using different ratings than RC West. Staff is now performing powerflow and stability simulations for the Planning assessment and will be evaluating the results in July-August.
3	IRO-017-1 Outage Coordination	0%	Awaiting the acceptance of the 2025 annual assessment to be sent to the Reliability Coordinator.

	PC Standard	Estimated % Complete	Notes
4	MOD-031-3 Demand and Energy Data	100%	The 2025 WECC Loads and Resources data and narrative response requests have been provided by BANC PC Participants and WASN for data entry and narrative response, and this information was uploaded to WECC on 02/14/25.
5	MOD-032-1 Data for Power System Modeling & Analysis	50%	Ongoing activity. Data requests to fulfill 13-month cycle for compliance.
6	MOD-033-2 System Model Validation	0%	MOD-033-2 study will be started in Fall of 2025 and the final report will be completed by the end of this year.
7	PRC-006-5 Underfrequency Load Shedding	75%	Staff continues to participate in WECC Under-Frequency Load Shed Working Group representing BANC PC as necessary. BANC PC Participants completed the 2025 ULFS data request for the annual Southern Island Load Tripping Plan (SILTP) coordinated by the Off-Nominal System Protection & Restoration (OFSPR). The OFSPR compiled the data and sent the SILTP as a coordinated annual plan to WECC for PRC-006-5 compliance in the annual report for 2025.
8	PRC-010-2 Undervoltage Load Shedding	100%	Staff completed performing the UVLS assessment studies. A draft version of the report was sent to Roseville for review and comments on 9/19/24 and the final report was issued on 12/24/24.
9	PRC-012-2 Remedial Action Schemes	10%	Staff sent the study plan for review and comments. The final study report will be completed by 12/31/25. A survey on the BANC members' RAS schemes was sent out early March.
10	PRC-023-6 Transmission Relay Loadability	60%	The study plans were finalized and distributed to BANC PC Participants on 05/02/25 and staff has completed the powerflow assessment and is drafting a report for BANC PC Participant review.
11	PRC-026-2 Relay Performance During Stable Power Swings	35%	The study plans were finalized and distributed to BANC PC Participants on 05/02/25, and staff is in the process of running transient stability simulations for the 2025 assessments.
12	TPL-001-5 Transmission System Planning Performance	40%	Preliminary stability runs are being performed

	PC Standard	Estimated % Complete	Notes
13	TPL-007-4 Transmission System Planned Performance for Geomagnetic Disturbance Events	90%	Staff completed GMD voltage portion of the study to assess the GMD event impact on the bulk system voltages and reactive power consumptions within the BANC PC Participants' areas. The GMD voltage portion of the study was not included in the WECC 2022 GMD study, which only included GIC portion of the study. The GMD additional voltage study report was sent out to the BANC PC participants on 3/12/25.

GM Report

BANC Commission Meeting

July 23, 2025

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:

LADWP/Seattle City Light/SRP

Dialogue continues with these entities on an as needed basis regarding EIM participation and day-ahead market issues. We are holding periodic calls as appropriate to provide updates and discuss issues.

Market Initiatives:

EIM Participation

Staff continues monitoring EIM participation. CAISO quarterly benefit reports show that BANC is seeing benefits from EIM participation, with the 1st Quarter 2025 report showing gross benefits of \$28.76 million for BANC, with a total of \$821.33 millions of gross benefits for BANC since joining in 2019.

With respect to BANC EIM Phase 2 effort, BANC has been passing the EIM Balancing, Capacity, and Flex Ramp tests with a high success rate. Both the Technical Evaluation Subcommittee and the Settlements Subcommittee are meeting routinely and evaluating EIM operations, with reports out to the Markets (EIM) Committee. The recommendation regarding the need for a Seasonal funding adjustment to handle larger settlement values in the summer months was approved in May at the same level as 2024. The proposal to have BANC participate in the CAISO EIM Assistance Energy Program as an additional reliability tool for the BAA was also approved in May and has been implemented.

EDAM Participation

FERC approved the EDAM/DAME tariff on 12/21/23 with the exception of the Access Charge. In its order, FERC accepted the overwhelming majority of the proposed market rules and rejected without prejudice one element of the EDAM proposal related to transmission revenue recovery (TRR) for market participants.

The CAISO filed a revised proposal on TRR with FERC on April 12, 2024, which was approved by FERC on June 12, 2024. In October, CAISO filed another tariff amendment that would allow the use of inter-SC trades by EIM and EDAM entities. FERC approved the amendment on December 23, 2024. As a result of comments received in the PacifiCorp EDAM OATT filing at FERC, the CAISO has initiated a stakeholder process to evaluate concerns raised regarding congestion revenue allocation. This will result in an amendment to the EDAM tariff which was approved for filing at FERC at the June joint CAISO Board of Governors and WEM Governing Body meeting.

A group of Western state regulators (AZ, CA, NM, OR, and WA) sent a letter to CREPC/WIRAB in July 2023 supporting the creation of an independent entity that would leverage the existing CAISO infrastructure for EIM and eventually EDAM to develop a cost-effective West-wide market. This would include a range of voluntary market services from EIM to EDAM to an RTO. BANC has been an active participant in the Western Markets Governance Pathways Initiative Launch Committee. The Launch Committee issued a draft proposal on April 10, 2024, outlining a stepwise approach to independent oversight over CAISO markets. The Launch Committee approved the Step 1 proposal which recommended WEM Governing Body primary authority over market rules on 5/31/24. The CAISO Board of Governors and the WEM Governing Body approved the Step 1 proposal on 8/13/24. On 11/8/24 the combined boards approved the necessary documentation to allow the Step 1 primary authority model to move forward once the level of EDAM Implementation Agreement signatories reaches the designated threshold value and FERC approvals are received. The CAISO filed the tariff changes with FERC for the Step 1 proposal, which have been approved by FERC. The Launch Committee approved a final draft of the Pathways Step 2 proposal on November 22, which would move oversight of market design to the sole authority of a new independent Regional Organization board. The BANC General Manager is participating in the Formation Committee which is working with the CAISO to move forward with creation of the proposed Regional Organization for Step 2. The Formation Committee initiated its discussions in January 2025 and is currently finalizing its scope, schedule, and budget for this effort. California legislation (SB540) that would allow the Step 2 proposal to be implemented has been filed at the California Legislature. An amended version of the bill was voted out of the Senate and is now in the Assembly. BANC is coordinating with CMUA and other entities to propose amendments to the bill to bring it back in line with the original Pathways recommendation.

The BANC EDAM Implementation project is moving forward. The EDAM Implementation Agreement has been executed with the CAISO and was approved by FERC in January. Staff provided an updated implementation schedule to the EDAM participants during the Markets Committee meeting in January 2025. However, based upon the CAISO decision to move EDAM go-live for the 2027 entities, BANC is currently revising the schedule and budget for the project. An update will be provided to the Commission.

Other Market Developments

In parallel with the EDAM process, SPP is moving forward with its “Markets+” effort to support interested utilities in the West with a range of market options from EIM to full RTO services. SPP filed the Markets+ tariff at FERC on March 29, 2024. FERC approved the SPP Markets+ tariff at its meeting on January 16, 2025. BPA has issued its draft decision letter supporting Markets+ participation. SPP has indicated that “go-live” for Markets+ is currently forecasted for 2027. SPP announced that it has secured sufficient funding to move forward with the next phase of Markets+ development.

WAPA:

Market Engagement

WAPA-SNR continues to be an active participant in the EIM.

BANC is working with WAPA-SNR to facilitate their EDAM implementation efforts.

WECC:

WECC Board Meetings

The last set of Board and committee meetings were held on June 10-11, 2025, in Salt Lake City, UT, which the BANC General Manager attended. The next set of meetings will be September 17-18, 2025, in Salt Lake City, UT.

Western Power Pool (WPP):

Western Resource Adequacy Program (WRAP)

As agreed previously, BANC has informed WPP that it will not be participating in the Western Resource Adequacy Program (WRAP) due to our lack of ability to have firm, long-term transfer capability at Mid-C, which is the hub for the WRAP interchanges. BANC continues to monitor development of the WRAP and hold periodic discussions with WPP regarding their development efforts. The WRAP participants recently formally voted to extend the binding date to 2027. Based upon this request, WPP filed an amended WRAP tariff at FERC in December 2024 which was approved by FERC in January 2025. WPP is seeking commitments from its participants by 10/31/25 to participate in the binding period starting in 2027.

RSG and FRSG Participation

BANC continues to participate in the Reserve Sharing Group and the Frequency Response Sharing Group through the WPP and receive benefits in doing so.

WestTEC

WPP has initiated a new process called the Western Transmission Expansion Coalition (WestTEC) which is intended to provide coordination among the current

regional transmission planning entities in the West (CAISO, Northern Tier, and WestConnect) to determine if there are some broader regional transmission projects that should be considered. WPP has obtained DOE funding for this effort and implementation is moving forward. They are currently envisioning a 2.5-year process with an initial 10-year plan to be issued in 2025 and a 20-year plan in 2026. The draft 10-year plan has been posted for comment.

CDWR Delta Pumping Load:

The current schedule for the project is to initiate construction in 2033 with operations initiated in 2040's.

SB100 Implementation:

As part of SB100, the CPUC, CEC, and CARB (Joint Agencies) are required to collaborate with the California BAs to develop a quadrennial report on the status of achieving the goals of SB100. The four POU BAs (BANC, IID, LADWP, and TID) are collaborating on positions and responses, facilitated by CMUA. The final, initial report was issued on 3/15/21. The CEC did reach out to the POU BAAs in early March 2021 seeking more engagement with the BAAs for the next round of analysis for the SB100 effort. Based upon recent discussions, the POU BAAs have hired a consultant via CMUA to assist in this effort. BANC is working with IID, LADWP, and TID to coordinate our engagement in this effort. The CEC has reached out to the POU BAAs to discuss the status of their modeling efforts with an initial meeting held on 3/28/25. We expect additional meetings with the CEC as it prepares its final triennial report, which is now not scheduled until later this year.

Western Electricity Industry Leaders (WEIL) Group:

The WEIL CEOs last met on February 21, 2024, in San Diego, CA. The next meeting of the WEIL group is planned for September 26, 2025, in Portland, OR.

Strategic Initiatives:

The 2024/2025 Strategic Initiatives are attached to this report.

BANC 2024/2025 Strategic Plan - Routine Initiatives - July 2025 Update

No./Priority	Focus Area	Initiative	Responsibility	Target Due Date	Status
1 Medium	INDEPENDENCE	Effectively oversee the BA operations.	Jim Shetler	Ongoing	See monthly Ops, PC, Compliance, & GM Reports
2 Medium		Maintain long-term succession plan and traits for General Manager	Jim Shetler/Commission	Ongoing as Necessary	No update planned for 2025
3 Medium		Develop appropriate policies, procedures, & action tracking	Jim Shetler/BB&W	4th Qtr. 2025	
4 Medium	OUTREACH	Engage in industry forums (WECC, RC West, NWPPA, etc.)	Jim Shetler	Ongoing	Attend RC West, WECC Board, WEIL, & WPP mtgs.
5 Medium		Coordinate with other POU BAs (Ca and regionally)	Jim Shetler	Ongoing	Coordinating with SCL/SRP/LA/TP/TID on EIM/EDAM & SB100
6 Medium		Outreach to regulatory and legislative bodies on key issues	Jim Shetler/BB&W	Ongoing as Necessary	CEC Summer Readiness Workshop: 5/2
7 Medium		More formal engagement with TID on BA/EIM/EDAM issues	Jim Shetler/BB&W	Ongoing	Meeting held 6/24 on EDAM coordination & Sutter CCS
8 Medium	ASSETS	Monitor RA development in WI	Jim S./BB&W/Res. Com.	4th Qtr. 2025	WRAP tariff amendments approved by FERC in Jan.
9 Medium		Develop BANC-wide IRP Report	Jim S./Res. Comm	3rd Qtr. 2025	SMUD provided estimate to develop IRP report
10 High		Upgrade BANC RA Program	Jim S./Res. Comm.	4th Qtr. 2025	Recommendation to July Commission meeting
11 Low	MEMBER SERVICES	Identify and outreach to potential new BANC members	Jim Shetler	Ongoing as Appropriate	

BANC 2024/2025 Strategic Plan - Focused Initiatives - July 2025 Update

No./Priority	Focus Area	Initiative	Responsibility	Target Due Date	Status
12 High	INDEPENDENCE	Manage EIM Phase 2 Going Forward	Jim Shetler/SMUD	Ongoing	Manage Phase 2 operations including EIM, Tech Anal. & Settlements committees
13 High		EDAM implementation effort ~ Manage BANC EDAM implementation	Jim Shetler/BB&W/ Utilicast	Apr-27	Reviewing schedule/budget for fall 2027 Go Live
14 Medium	OUTREACH	Evaluate opportunities to engage other entities in market development	Jim Shetler	Ongoing	Coordinating with SCL, SRP, LADWP, TID, Tacoma, Idaho, PAC, & PGE
15 Medium		Regional Policy Issues: Monitor/ weigh-in where appropriate	Jim Shetler/Commission	Ongoing	
16 High		Market Regionalization: ~Monitor ongoing discussions at WEIL, WWGPI, & etc.	Jim Shetler/BB&W/WEL	Ongoing	Formation Committee efforts ongoing
17 High		Coordinate with CA BAs on SB100 effort	Jim Shetler/BB&W	Ongoing	
18 High	ASSETS	~ Develop agreements for Sutter CS Project	Jim S./BB&W/Res. Com.	4th Qtr. 2025	Forecast Calpine update 3rd Qtr. 2025
19 High		~ Develop/issue BANC resource solicitation	Jim S./BB&W/Res. Com.	2nd Qtr. 2025	Finalizing RFP
20 Medium	MEMBER SERVICES	Evaluate possible support to participants for EIM operations	Jim S.	Ongoing	

Balancing Authority of Northern California

Agenda Item 5C

1. **Resolution 25-07-01 *Authorization of Consultant Contract for BANC RA Program Development.***



BALANCING AUTHORITY OF NORTHERN CALIFORNIA

P.O. Box 15830 • MS B305 • SACRAMENTO • CA 95852 -1830

07/13/25

To: BANC Commission

From: BANC General Manager

RE: Selection of Consultant for BANC RA Program Development

As part of the 2025 BANC Strategic Plan, it was agreed to initiate a project to develop a more formalized Resource Adequacy (RA) program for the BANC footprint. This started with an RA seminar in January followed by development of a request for proposals (RFP) working with both the Resource Committee and the Markets Committee. The RFP was issued on February 21, 2025, to the following eight firms:

- Brattle
- CES
- GridSME
- GDS Associates
- Gridwell Consulting
- Flynn RCI
- Guidehouse
- Energy Strategies

The following four firms submitted proposals on March 28, 2025, for consideration:

- Brattle
- CES
- GridSME
- GDS Associates

Submitted proposals were evaluated using the following criteria to determine the best qualified entity:

- Scope/Schedule = 50%

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Modesto Irrigation District, City of Redding, City of Roseville, Trinity Public Utilities District,
and Sacramento Municipal Utility District

- Organization Experience = 10%
- Project Team Experience = 10%
- Price = 30%

Prices ranged from \$120,00-\$425,000 and the four firms were ranked as follows:

1. Brattle
2. GridSME
3. CES
4. GDS

After review by staff and consultation with the Committees, it was agreed to short-list to the top three entities and to have staff review the respective proposals with each of the short-listed entities.

Staff held clarification discussions with each of the three short-listed firms to clarify scope and qualifications. We also discussed adjusting the schedule for the RA effort from completion in 2025 to starting the effort this fall with completion in early 2026. As a result of these discussions, we allowed each of the three short-listed firms to amend their proposals. Two firms did amend their proposals, and all three adjusted their pricing. Revised pricing ranged from \$135,000-\$385,000 and each entity confirmed its ability to perform on the revised schedule. As a result of the review of the final proposals, staff ranked the firms as follows:

1. Brattle
2. GridSME
3. CES

Though Brattle is the highest price proposal, it was rated as the best qualified to perform the RA project. Also, Brattle has familiarity with BANC member loads and resources through studies of Extended Day Ahead Market scenarios and is also examining broader Western RA issues. The results of this evaluation have been reviewed with the Committees, and they concur with the staff recommendation. Staff will be requesting Commission approval to contract with Brattle for this work with a contract price of \$423,500 (\$385,000 + 10% contingency) and the intent to initiate work this fall and complete the work by 2nd Quarter 2026.

**Balancing Authority of Northern California
Resolution 25-07-01**

AUTHORIZATION OF CONSULTANT CONTRACT FOR BANC RA PROGRAM DEVELOPMENT

WHEREAS, the Balancing Authority of Northern California ("BANC") was created by a Joint Powers Agreement to, among other things, acquire, construct, maintain, operate, and finance projects; and

WHEREAS, BANC serves as the Energy Imbalance Market ("EIM") Entity for the BANC EIM footprint, and BANC will participate in the CAISO Extended Day Ahead Market ("EDAM"); and

WHEREAS, Resource Adequacy ("RA") is essential to both reliable grid operations and to ensuring Resource Sufficiency ("RS") Tests can be met in both the EIM and EDAM; and

WHEREAS, BANC had originally participated in the Western Power Pool ("WPP") Western Resource Adequacy Program ("WRAP") design development, but WRAP design details, most notably the transmission requirements to reach a central "Mid-C" hub, rendered the program impractical for BANC; and

WHEREAS, BANC staff worked with outside consultants and in coordination with the BANC Resource Committee to develop a BANC RA Principles and Guidelines Report; and

WHEREAS, as part of the 2025 BANC Strategic Plan, the BANC Commission agreed to initiate a project to develop a more formalized RA Program for the BANC footprint; and

WHEREAS, BANC staff worked with both the Resource Committee and the Markets Committees to develop and issue a request for proposals ("RFP") in February of 2025; and

WHEREAS, BANC staff evaluated the submitted proposals and short-listed three submittals; and

WHEREAS, these proposals were evaluated and ranked in consultation with the Committees; and

WHEREAS, Brattle was rated as the best qualified submittal.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Balancing Authority of Northern California hereby direct the General Manager to develop and execute a contract with Brattle for this work with an overall budget of \$423,500, including contract price plus contingency, with an expected project initiation of fall of 2025 and an expected completion date by mid-2026.

PASSED AND ADOPTED by the Commissioners of the Balancing Authority of Northern California this 23rd day of July 2025, by the following vote:

		Aye	No	Abstain	Absent
Modesto ID	Martin Caballero				
City of Redding	Nick Zettel				
City of Roseville	Dan Beans				
City of Shasta Lake	James Takehara				
SMUD	Paul Lau				
TPUD	Paul Hauser				

Chair

Attest by: C. Anthony Braun
Secretary

Balancing Authority of Northern California

Agenda Item 5D

1. Update on EDAM Project Schedule and Budget.
2. Resolution 25-07-02 *Approval of Revised 2025 Annual Budget for BANC.*
3. Attachment A to Resolution 25-07-02: *BANC 2025 Budget - Amended 07/23/2025.*



BALANCING AUTHORITY OF NORTHERN CALIFORNIA

P.O. Box 15830 • MS B305 • SACRAMENTO • CA 95852 -1830

07/13/25

To: BANC Commission

From: BANC General Manager

RE: Update on EDAM Project Schedule and Budget

In light of both the move from Spring 2027 to Fall 2027 for EDAM go-live and the evolving scope definition for the project, staff identified the need to update the project schedule and budget. The Commission had also asked staff to evaluate what options might be available if the current legislation being considered to implement the Pathways governance proposal is not successful. This letter provides a summary of the staff's recommendations on these EDAM issues.

First, looking at the likely outcomes from what could result from the CA legislative process for Pathways governance, staff believes the options are as follows:

1. An acceptable bill is enacted, which keeps the current EDAM group engaged and has potential to attract other participants in the future => BANC continues with EDAM implementation for 2027 go live
2. No bill is enacted, which likely means the current EDAM group would stay engaged but attracting other potential participants is doubtful => BANC continues with EDAM implementation for 2027 go live
3. An unacceptable bill is enacted, which likely would not attract other participants in the future, but a sufficient diverse group of the current EDAM entities stay engaged => BANC continues with EDAM implementation for 2027 go live
4. An unacceptable bill is enacted, which likely would not attract other participants in the future and the current non-CA EDAM entities withdraw from EDAM => Staff would recommend suspending BANC EDAM implementation and reevaluate our options.¹

¹ Though SPP Markets+ has been discussed as a fallback option for BANC, it is currently doubtful that this option would be viable unless the requirement to be a WRAP participant is waived or changed since BANC cannot meet the requirement for firm transmission access to the settlement hub at Mid-C.

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Modesto Irrigation District, City of Redding, City of Roseville, Trinity Public Utilities District,
and Sacramento Municipal Utility District

Second, in looking at the schedule impact in going from Spring 2027 go-live to Fall 2027 go-live, staff has worked with our Utilicast consultant and updated the EDAM implementation phases to accommodate the revised schedule, as shown in the following chart:

Implementation Phase	Spring 2027 Go-Live	Fall 2027 Go-live
Advisory Effort	1/1/24 - 8/31/25 (20 mo.)	1/1/24 - 12/31/25 (24 mo.)
Pre-Implementation Effort	9/1/25 - 3/31/26 (7 mo.)	1/1/26 - 9/30/26 (9 mo.)
Implementation Effort	4/1/26 - 3/31/27 (12 mo.)	10/1/26 - 10/1/27 (12 mo.)
Post Go-Live Effort	4/1/27 - 5/31/27 (2 mo.)	10/1/27 - 11/30/27 (2 mo.)

Third, in looking at the EDAM project, there are two drivers impacting budget:

1. Clearer understanding of the scope of EDAM implementation based upon engagement with the PacifiCorp/PGE implementation efforts.
2. Extension of the implementation timeline from Spring 2027 to Fall 2027.

The following provides a breakdown of the budget impacts to the EDAM project.

BANC Scope Changes

1. Based upon a better understanding of the complexities of managing the transmission tracking and settlements for EDAM, both Utilicast and SMUD are proposing increases in staffing support for the implementation effort. The estimated cost increases (without contingency) are as follows:
 - a. Utilicast – addition of an SME in the area of Transmission Operations Engineering to support the CAISO complex EDAM transmission scheduling approach = \$175,000 primarily during the Implementation Phase of the project.
 - b. SMUD
 - i. Addition of SME support in both operations engineering and settlements at initially ~0.4FTE in 2025 and increasing to ~1.0FTE in 2026-2027 = \$1,169,556
 - ii. Additional project management support = \$250,000
 - iii. Less the original estimate for SMUD support = \$(207,500)
2. Percipio – suspension of project management support due to increase support from Utilicast and SMUD = \$(460,055)
3. Legal Support – There is no projected increase in overall scope of the legal support for the project, but we will be moving some of the legal support forward to accommodate supporting business practices development in parallel with WAPA’s OATT development effort.
4. Software Support – Based upon further discussions with Power Settlements we have identified additional software charges and hosting costs that add \$~167,000 to the settlement’s software expenses for implementation.
5. Status of COTP and EDAM – The current EDAM Implementation assumes that COTP will not be moved into EDAM at the initial go-live in 2027. Some questions have been raised as

to whether it might be more efficient and more beneficial to the participants to move COTP in 2027. Staff is initiating analysis to assist in this decision and will be reaching out to TANC to discuss this in more detail. This current proposed budget adjustment does not include any estimates for moving COTP into EDAM in 2027.

The net result is an increase in the project budget due to scope changes of \$~1,100,000 before contingency.

Schedule Extension

The decision to move EDAM implementation in 2027 from Spring to Fall 2027 results in an approximately six-month extension in the schedule. It is now anticipated that EDAM go live will be 10/1/27 with a two-month ramp down in support through 11/30/27. It is estimated that the extension will primarily increase the duration of the Advisory Effort and the Pre-Implementation Effort phases of the project. It is also assumed that the schedule extension will not impact the software and CAISO fees expenses. In addition, with the suspension of the Percipio support contract there will not be any schedule extension costs associated with this contract. The result is a cost increase due to the schedule extension of \$~240,000 (without contingency), broken down as follows:

- Utilicast = \$103,450
- Legal Support = \$136,625.

Individual Participant Expenses

Several of the BANC EDAM participants have contracted through BANC for individual EDAM Implementation support. This includes the following:

- SMUD: Project management support with Percipio. SMUD has also suspended its use of Percipio for project management support = (\$460,055).
- WAPA-SNR: Project support from Utilicast estimated at \$~8,000/month for the EDAM Implementation effort = \$~214,000 increase.
- MID & Redding: Hosting expenses for the Power Settlements applications they use of \$45,000 each in 2026 and \$46,350 each in 2027.

Summary

The total impact on the BANC EDAM Implementation Project budget due to scope and schedule changes is an increase (before contingency) of \$~1,300,000. The following tables provide a more detailed breakdown of the cost changes and the individual BANC EDAM participant impacts.

- Amended Costs Comparison by Implementation Phase: See Table 1
- Amended Cost Comparison by Participant: See Table 2
- Amended Cost Comparison by Major Activity: See Table 3

Staff will discuss the EDAM project impacts at the July meeting for possible concurrence by the Commission.

Table 1

	EDAM	EDAM	
	Fall 2027	Spring 2027	DIFFERENCE
IMPLEMENTATION PHASE	Go-Live	Go-Live	
Advisory Effort (1/1/24 to 12/31/25)	\$ 2,029,960.00	\$ 1,981,250.00	\$ 48,710.00
~Utilicast Support	\$ 285,600.00	\$ 220,000.00	\$ 65,600.00
~ Legal Support	\$ 280,675.00	\$ 211,250.00	\$ 69,425.00
~ SMUD Ops/Settlements/PM Support	\$ 261,185.00	\$ -	\$ 261,185.00
~Project Management (Percipio)	\$ 52,500.00	\$ 100,000.00	\$ (47,500.00)
~BANC	\$ 52,500.00	\$ 100,000.00	
~SMUD	\$ -		
~ Software Upgrades	\$ 550,000.00	\$ 550,000.00	\$ -
~ Power Settlements	\$ 550,000.00	\$ 550,000.00	
~ OATI	\$ -		
~ CAISO Implementation Fee	\$ 600,000.00	\$ 900,000.00	\$ (300,000.00)
Pre-Implementation Effort (1/1/26 to 9/30/26)	\$ 1,997,747.00	\$ 980,055.00	\$ 1,017,692.00
~Utilicast Support	\$ 572,600.00	\$ 306,000.00	\$ 266,600.00
~ Legal Support	\$ 189,500.00	\$ 108,500.00	\$ 81,000.00
~ SMUD Ops/Settlements/PM Support	\$ 385,334.00	\$ -	\$ 385,334.00
~Project Management (Percipio)	\$ -	\$ 120,555.00	\$ (120,555.00)
~BANC	\$ -	\$ 120,555.00	
~SMUD	\$ -		
~ Software Upgrades	\$ 250,313.00	\$ 145,000.00	\$ 105,313.00
~ Power Settlements	\$ 250,313.00	\$ 145,000.00	
~ OATI	\$ -		
~ CAISO Implementation Fee	\$ 600,000.00	\$ 300,000.00	\$ 300,000.00
Implementation Effort (10/1/26 to 10/1/27)	\$ 2,725,451.00	\$ 2,502,950.00	\$ 222,501.00
~Software Upgrades	\$ 656,013.00	\$ 594,350.00	\$ 61,663.00
~ Power Settlements	\$ 256,013.00	\$ 194,350.00	
~ OATI	\$ 300,000.00	\$ 300,000.00	
~ Reporting Software	\$ 100,000.00	\$ 100,000.00	
~Utilicast Support	\$ 489,400.00	\$ 540,600.00	\$ (51,200.00)
~Project Management (Percipio)	\$ -	\$ 260,000.00	\$ (260,000.00)
~BANC	\$ -	\$ 260,000.00	
~SMUD	\$ -		
~Legal Support	\$ 324,200.00	\$ 338,000.00	\$ (13,800.00)
~SMUD Ops/Settlements/PM Support	\$ 655,838.00	\$ 170,000.00	\$ 485,838.00
~ CAISO Implementation Fee	\$ 600,000.00	\$ 600,000.00	\$ -
Post Go-live Effort (10/1/27 to 11/30/27)	\$ 232,449.00	\$ 187,800.00	\$ 44,649.00
~Utilicast Support	\$ 89,250.00	\$ 91,800.00	\$ (2,550.00)
~Legal Support	\$ 26,000.00	\$ 26,000.00	\$ -
~Project Management (Percipio)	\$ -	\$ 32,500.00	\$ (32,500.00)
~BANC	\$ -	\$ 32,500.00	
~SMUD	\$ -		
~SMUD Ops/Settlements/PM Support	\$ 117,199.00	\$ 37,500.00	\$ 79,699.00
Total Estimate	\$ 6,985,607.00	\$ 5,652,055.00	\$ 1,333,552.00
Contingency @~ 10%	\$ 698,560.70	\$ 565,205.50	\$ 133,355.20
TOTAL	\$ 7,684,167.70	\$ 6,217,260.50	\$ 1,466,907.20

Table 2

Implementation Cost	SMUD (64.4%)			MID (15.6%)			WAPA-SNR (7.3%)			ROSEVILLE (6.9%)			REDDING (5.8%)		
	Fall	Spring	Difference	Fall	Spring	Difference	Fall	Spring	Difference	Fall	Spring	Difference	Fall	Spring	Difference
Total BANC w/o contingency	\$ 4,498,730.91	\$ 3,639,923.42	\$ 858,807.49	\$ 1,089,754.69	\$ 881,720.58	\$ 208,034.11	\$ 509,949.31	\$ 412,600.02	\$ 97,349.29	\$ 482,006.88	\$ 389,991.80	\$ 92,015.08	\$ 405,165.21	\$ 327,819.19	\$ 77,346.02
Direct Utilicast Support	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 314,000.00	\$ 100,000.00	\$ 214,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct PS Support	\$ -	\$ -	\$ -	\$ 91,350.00	\$ -	\$ 91,350.00							\$ 91,350.00		
Direct Percipio Support	\$ 52,500.00	\$ 513,055.00	\$ (460,555.00)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total w/o contingency	\$ 4,551,230.91	\$ 4,152,978.42	\$ 398,252.49	\$ 1,181,104.69	\$ 881,720.58	\$ 299,384.11	\$ 823,949.31	\$ 512,600.02	\$ 311,349.29	\$ 482,006.88	\$ 389,991.80	\$ 92,015.08	\$ 496,515.21	\$ 327,819.19	\$ 168,696.02
Contingency @ 10%	\$ 455,123.09	\$ 415,297.84	\$ 39,825.25	\$ 118,110.47	\$ 88,172.06	\$ 29,938.41	\$ 82,394.93	\$ 51,260.00	\$ 31,134.93	\$ 48,200.69	\$ 38,999.18	\$ 9,201.51	\$ 49,651.52	\$ 32,781.92	\$ 16,869.60
Total w/ contingency	\$ 5,006,354.00	\$ 4,568,276.26	\$ 438,077.74	\$ 1,299,215.16	\$ 969,892.64	\$ 329,322.52	\$ 906,344.24	\$ 563,860.02	\$ 342,484.22	\$ 530,207.57	\$ 428,990.98	\$ 101,216.59	\$ 546,166.73	\$ 360,601.11	\$ 185,565.62

Table 3

Support Category	Fall 2027	Spring 2027	Difference	Scope	Schedule
Utilicast	\$ 1,436,850.00	\$ 1,158,400.00	\$ 278,450.00	\$ 175,000.00	\$ 103,450.00
Percipio	\$ 52,500.00	\$ 513,055.00	\$ (460,555.00)	\$ (460,555.00)	\$ -
Legal	\$ 820,375.00	\$ 683,750.00	\$ 136,625.00	\$ -	\$ 136,625.00
Software	\$ 1,456,326.00	\$ 1,289,350.00	\$ 166,976.00	\$ 166,976.00	\$ -
CAISO Fees	\$ 1,800,000.00	\$ 1,800,000.00	\$ -	\$ -	\$ -
SMUD SME/PM	\$ 1,419,556.00	\$ 207,500.00	\$ 1,212,056.00	\$ 1,212,056.00	
Total	\$ 6,985,607.00	\$ 5,652,055.00	\$ 1,333,552.00	\$ 1,093,477.00	\$ 240,075.00



BALANCING AUTHORITY OF NORTHERN CALIFORNIA

P.O. Box 15830 • MS B305 • SACRAMENTO • CA 95852 -1830

07/13/25

To: BANC Commission

From: BANC General Manager

RE: Amendment to BANC 2025 Budget for PA-8: EDAM Implementation

Based upon the scope and schedule changes to the overall EDAM Implementation project, this will also result in a need to amend the 2025 BANC Budget for PA-8: EDAM Implementation to accommodate the schedule extension for the Advisory Effort, increased scope of work for SMUD, and WAPA-SNR's request to add additional support from Utilicast through the end of 2025. The updated budget results in an overall reduction in the 2025 Budget for PA-8 of ~\$310,000. Each participant sees a reduction in their expenditures for 2025 with the exception of WAPA-SNR, due to the additional support requested from Utilicast in 2025. The redline revised version of PA-8 for the 2025 BANC Budget is attached. The adjustments to participant allocations for PA-8 are as follows:

PARTICIPANT	FALL 2027 GO LIVE	SPRING 2027 GO LIVE	DIFFERENCE
SMUD	\$ 1,055,705.57	\$ 1,329,914.30	\$ (274,208.73)
MID	\$ 254,051.23	\$ 293,135.70	\$ (39,084.47)
WAPA-SNR	\$ 226,682.95	\$ 192,172.48	\$ 34,510.47
ROSEVILLE	\$ 112,368.81	\$ 129,656.18	\$ (17,287.37)
REDDING	\$ 94,454.94	\$ 108,986.35	\$ (14,531.41)
TOTAL	\$ 1,743,263.50	\$ 2,053,865.01	\$ (310,601.51)

Staff will bring this item forward at the Commission meeting for discussion and possible action.

A JOINT POWERS AUTHORITY AMONG

Modesto Irrigation District, City of Redding, City of Roseville, Trinity Public Utilities District,
and Sacramento Municipal Utility District

**Balancing Authority of Northern California
Resolution 25-07-02**

APPROVAL OF REVISED 2025 ANNUAL BUDGET FOR BANC

WHEREAS, the Balancing Authority of Northern California ("BANC") Joint Powers Agreement ("JPA") Section 11.4 describes both the responsibilities and the non-delegable duties of the BANC Commission which include approving an annual budget and approving assessments to each Member; and

WHEREAS, JPA Section 12 provides that the BANC Commission may assess each Member for its respective Participation Percentage share of funds required to carry out BANC's purposes as specified in the annual budget; and

WHEREAS, BANC Resolution 12-02-03 established a process whereby Member assessments shall be required no less than two times per year; and

WHEREAS, based on the scope and schedule changes to the overall EDAM Implementation project, PA-8: EDAM Implementation must be amended to accommodate the schedule extension for the Advisory Effort, increased scope of work for SMUD, and WAPA-SNR's request to add additional Utilicast support through the end of 2025; and

WHEREAS, the General Manager has prepared a revised budget incorporating these revisions for consideration and possible adoption by the Commission.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Balancing Authority of Northern California hereby:

1. Approve the 2025 BANC Budget Amendment in the form attached hereto as Attachment A.
2. Direct the General Manager to update the 2025 Annual Budget for BANC to incorporate this Amendment.
3. Direct the BANC Treasurer to assess each BANC Member in accordance with Resolution 12-02-03 and WAPA in accordance with the agreement (20-SNR-02422) between BANC and WAPA, and further direct the General Manager to work with WAPA to effectuate any amendments to the agreement.

PASSED AND ADOPTED by the Commissioners of the Balancing Authority of Northern California this 23rd day of July, 2025, by the following vote:

		Aye	No	Abstain	Absent
Modesto ID	Martin Caballero				
City of Redding	Nick Zettel				
City of Roseville	Dan Beans				
City of Shasta Lake	James Takehara				
SMUD	Paul Lau				
TPUD	Paul Hauser				

Chair

Attest by: C. Anthony Braun
Secretary

ATTACHMENT A TO RESOLUTION 25-07-02

9. Participation Agreement # 8 (PA-8) – EDAM Implementation (Amended 7/23/25)

a. Assumptions

- i. BANC serves as EDAM Entity
- ii. SMUD/MID/Roseville/Redding/WAPA-SNR intend to participate in EDAM
- iii. Target is for 104/1/27 go-live date for EDAM participation based upon latest decision by CAISO on 2027 EDAM go-live implementation
- iv. Costs allocated in accordance with 2025 3-year rolling average NEL for all five participants as follows:
 1. SMUD – 64.4%
 2. MID – 15.6%
 3. WAPA-SNR – 7.3%
 4. Roseville – 6.9%
 5. Redding – 5.8%

b. Cost estimates based upon Utilicast EDAM “Gap Analysis”; Utilicast EDAM Effort proposal; discussions with SMUD, and BB&W, and WEL; and the EDAM implementation options developed by BANC staff. Based upon a Spring Fall 2027 go-live, activity levels are as follows:

- i. Advisory support from 1/24 – 128/25
- ii. Pre-implementation support from 19/265 – 93/26
- iii. Implementation support from 104/26 – 93/27
- iv. Go-live – OctoberApril 2027
- v. Post go-live support from 104/27 – 115/27

c. Based upon discussions between SMUD and BANC, it was determined to suspend project management support from Percipio in early 2025 and not to continue with this support for the rest of the project. Due to staffing constraints, project management support is being updated from SMUD support to a contract consultant (Percipio). For efficiency purposes, and at SMUD's request, we are proposing a single contract that will provide EDAM project management support for both the BANC and SMUD implementation efforts. These costs will be split evenly, with half being solely funded by SMUD and the other half funded in accordance with the allocation percentages noted in Section a.iv above.

d. Based upon a better understanding of the complexities of managing the transmission tracking and settlements for EDAM, both Utilicast and SMUD are proposing increases in staffing support for the implementation effort. For Utilicast, this will be a minor increase for the Advisory effort of ~\$15,000. SMUD has identified a need for increased operations engineering and settlements support for the implementation effort (~\$210,000 for 2025) and project management support (~\$50,000 for 2025).

e. Based upon discussions with the CAISO, the initial installment (\$300,000) of the CAISO EDAM Implementation fee will be due upon execution of the EDAM Implementation Agreement, which is forecasted to be Fall 2024. In addition, CAISO is now estimating the EDAM Implementation Fee will be ~\$1.4-1.8 million as opposed to the initial estimate of \$1.2 million.

ATTACHMENT A TO RESOLUTION 25-07-02

f. Based upon contract with Power Settlements, agreement to move initial \$550,000 of charges from 2026/2027 to Pre-implementation support in 2025. No change in overall Power Settlements cost estimate or total EDAM Implementation cost estimate.

g. ~~128~~ months of Advisory support ~~and 4 months of Pre-implementation support~~ in 2025.

h. Legal services estimated at ~~\$280,675,146,000~~ on Time & Materials basis. ~~This is an increase of ~\$60,000 to support earlier engagement on OATT and business practices development.~~ Scope of services to include:

- i. TSP OATT support within BANC footprint
- ii. Supporting implementation and participation agreements with CAISO
- iii. Member participation agreements
- iv. Development of business practice manuals
- v. Any FERC-filed CAISO agreements
- vi. General tracking of implementation projects and coordination with
- vii. EDAM Entities on Implementation Issues

IMPLEMENTATION CATEGORY	BANC Fall 2027 Go-Live	SMUD 64.4%	MID 15.6%	WAPA-SNR 7.3%	ROSEVILLE 6.9%	REDDING 5.8%	TOTAL
Advisory Effort (12 months)	\$ 1,480,485.00	\$ 959,732.34	\$230,955.66	\$206,075.41	\$102,153.47	\$ 85,868.13	\$ 1,584,785.00
~Utilicast Support	\$ 160,000.00			\$ 98,000.00			
~Legal Support	\$ 203,000.00						
~SMUD Ops/Settle/PM Support	\$ 261,185.00						
~ Power Settlements SW Fee	\$ 550,000.00						
~Project Management	\$ 12,600.00						
~BANC	\$ 6,300.00						
~SMUD	\$ -	\$ 6,300.00					
~CAISO Implementation Fee	\$ 300,000.00						
Total Estimate	\$ 1,480,485.00	\$ 959,732.34	\$230,955.66	\$206,075.41	\$102,153.47	\$ 85,868.13	\$ 1,584,785.00
Contingency @~10%		\$ 95,973.23	\$ 23,095.57	\$ 20,607.54	\$ 10,215.35	\$ 8,586.81	\$ 158,478.50
TOTAL		\$ 1,055,705.57	\$254,051.23	\$226,682.95	\$112,368.81	\$ 94,454.94	\$ 1,743,263.50

Balancing Authority of Northern California

Agenda Item 5E

1. **Resolution 25-07-03 *Approval of Revised Participation Percentages and Cost Allocation Methodology.***

Braun Blaising & Wynne, P.C.

Attorneys at Law

07/18/25

To: BANC Commission

From: BANC Counsel

RE: NEL vs. Retail Load for Calculation of Base Budget Allocations

BANC Staff and members have discussed modifying the methodology to determine Participation Percentages that are used to allocate certain BANC costs. This Participation Percentage must be determined annually in accordance with the BANC Joint Powers Agreement (“JPA”). The JPA also specifies use of data from the Energy Information Agency (“EIA”), except upon certain conditions. The issue identified by BANC Staff is that production of the EIA data lags budget schedules of both BANC and members, causing delay and additional administrative burdens.

BANC Staff brought this issue to the Commission in May, 2025, for discussion, including options that would work without requiring amendments to the Joint Powers Agreement. As discussed previously, all other BANC cost allocations are based upon the Western Electricity Coordinating Council Net Energy for Load (“NEL”), which is also commonly used to allocate costs for other services, for example for Reliability Coordinator services provided by RC West. Using NEL would simplify the development of the BANC annual budget and member planning.

Based upon a review of the current JPA, it is our opinion that this can be done without amendment. Although Section 10.1 of the JPA requires use of loads reported to the EIA, it does allow a metric to be selected from another governmental agency, or an alternative methodology as unanimously agreed to by the Commission.

Thus, if members agree by contract, which must be passed unanimously by the Commission, Participation Percentages can be crafted outside of the provisions of Section 10.1.

Attached therefore is a draft agreement between and among BANC and its members to memorialize use of NEL in lieu of EIA data to determine Participation Percentages. We ask that the Commission approve this agreement and direct the BANC GM and BANC counsel to finalize for execution by BANC and members.

**Balancing Authority of Northern California
Resolution 25-07-03**

**APPROVAL OF REVISED PARTICIPANT PERCENTAGES AND COST ALLOCATION AGREEMENT
USING NET ENERGY FOR LOAD**

WHEREAS, the Balancing Authority of Northern California ("BANC") Joint Powers Agreement ("JPA") Section 11.4 describes both the responsibilities and the non-delegable duties of the BANC Commission which include approving an annual budget and approving assessments to each Member; and

WHEREAS, JPA Section 12 provides that the BANC Commission may assess each Member for its respective Participation Percentage share of funds required to carry out BANC's purposes as specified in the annual budget; and

WHEREAS JPA Section 4.23 defines Participation Percentage; and

WHEREAS, JPA Appendix 1 sets forth a specific methodology for determining and updating each Member's Participation Percentages that are based on information from the Energy Information Agency ("EIA"); and

WHEREAS, JPA Section 10.2 provides that "Unless otherwise determined by separate agreement between BANC and a Member, as authorized by unanimous vote of the Member Commissioners, each Member shall pay for the General and Administrative Costs associated with all operations of BANC in proportion to their Participation Percentage"; and

WHEREAS, the General Manager has shared the challenges associated with obtaining timely updates to retail load to allow for annual adjustments to the BANC budget and also provided the Commission with information regarding the use of Net Energy for Load (NEL) published by the Western Electricity Coordinating Council, in lieu of using Participation Percentages derived from EIA data, and discussed this option during prior Commission meetings; and

WHEREAS, based on input and direction from the Commission, the General Manager has directed that a cost allocation agreement be developed that that calls for all General and Administrative costs associated with all operations of BANC be determined based on Participation Percentages based derived using NEL; and

WHEREAS, a draft of this agreement is attached hereto this Resolution.

NOW, THEREFORE, BE IT RESOLVED that the Commissioners of the Balancing Authority of Northern California hereby adopt NEL to derive Participation Percentages to allocate General and Administrative costs and approve in substantially final form the cost allocation agreement provided with this resolution.

**Balancing Authority of Northern California
Resolution 25-07-03**

PASSED AND ADOPTED by the Commissioners of the Balancing Authority of Northern California
this 23rd day of July, 2025, by the following vote:

		Aye	No	Abstain	Absent
Modesto ID	Martin Caballero				
City of Redding	Nick Zettel				
City of Roseville	Dan Beans				
City of Shasta Lake	James Takehara				
SMUD	Paul Lau				
TPUD	Paul Hauser				

Chair

Attest by: C. Anthony Braun
Secretary

**BALANCING AUTHORITY OF NORTHERN CALIFORNIA
COST-SHARING AGREEMENT
FOR ALLOCATING BANC BUDGETED COSTS
USING NET ENERGY FOR LOAD DATA**

This Cost-Sharing Agreement (“Agreement”), dated _____, (“Effective Date”), is entered into by and among the Balancing Authority of Northern California and its members, the Cities of Redding, Roseville, and Shasta Lake, the Modesto Irrigation District, Sacramento Municipal Utility District, and Trinity County Public Utilities District, each of which may be referred to individually as a “Party” or collectively as the “Parties.”

RECITALS

- A. WHEREAS, the Balancing Authority of Northern California (“BANC”) was created by a Joint Powers Agreement (“BANC JPA”) to, among other things, acquire, construct, maintain, operate, and finance Projects; and
- B. WHEREAS, the BANC JPA directs that shares of approved BANC costs be allocated among members pursuant to Participation Percentages as defined in the BANC JPA; and
- C. WHEREAS, the BANC JPA provides that Energy Information Agency (“EIA”) load data shall be used to allocate budgeted costs among BANC members, except in certain circumstances; and
- D. WHEREAS, the BANC JPA provides for alternative cost allocation mechanisms pursuant to contractual agreement among the BANC members and BANC; and
- E. WHEREAS, BANC and BANC members have previously used separate agreements to allocate certain costs; and
- F. WHEREAS, BANC and BANC members have found the timing for availability of EIA load data to be delayed, frustrating timely and accurate development of budgeting for BANC; and
- G. WHEREAS, BANC and BANC members desire to enter into this agreement to utilize Net Energy for Load (“NEL”) data distributed by the Western Electricity Coordinating Council to allocate BANC budgeted and approved costs, unless otherwise specified in a separate agreement.

Therefore, in return for mutual considerations, the Parties agree as follows:

1. **Allocation of Costs Pursuant to NEL**

This Agreement shall include an Exhibit A which shall include the NEL calculations for each calendar year. The NEL calculation shall be used to allocate approved BANC budgeted expenditures. These calculations shall be deemed the Participation Percentages as that term is used in the BANC JPA. The NEL calculation in Exhibit A shall be updated annually by resolution of the BANC Commission. Annual adjustments to the NEL calculations shall not be deemed an amendment to this agreement and shall not require action to amend other than approval of new NEL

calculations annually by the Commission.

2. Authorized Representatives: Each Party designates the following representatives who are authorized to act on its behalf with respect to those matters contained in this Agreement; provided, however, that the respective authorized representatives have no power or authority to alter any of the provisions of this Agreement. Each Party may change the designation of its authorized representatives upon oral notice given to the others, confirmed promptly by written notice.

For BANC:

Balancing Authority of Northern California
Attn: James Shetler General Manager
P.O. Box 15830, MS D109
Sacramento, CA 95852-1830
Email: jimshetler@thebanc.org

For Modesto Irrigation District:

For City of Redding:

For City of Roseville:

For City of Shasta Lake:

For Sacramento Municipal Utility District:

For Trinity Public Utilities District:

3. Entire Agreement: This Agreement, including its attached Exhibit A, constitutes the entire agreement among the Parties and supersedes all previous communications, representations, or agreements, either oral or written, with respect to the subject matter of this Agreement.

4. Amendments: The Parties may amend this Agreement only in a writing signed by all Parties through their duly authorized signatories.
5. Successors and Assigns: This Agreement shall be binding upon and inure to the benefit of the Parties and their respective permitted successors, assigns, and legal representatives.
6. Severability: If a provision of this Agreement, in whole or in part, or the application of such provision, is held invalid by any court or administrative body having jurisdiction, all other provisions of this Agreement and their application will remain in force and effect unless such court or administrative body also holds that the provision is not severable from all other provisions of this Agreement.
7. Termination: This Agreement may not be unilaterally terminated by any Party, except upon withdrawal of a Party from the BANC Joint Powers Agreement, as it may be amended from time to time, or upon dissolution of BANC pursuant to the terms of such BANC Joint Powers Agreement. In the event of such termination caused by withdrawal of a Party from the BANC Joint Powers Agreement, the terminating Party shall pay, in accordance with the cost-sharing arrangement set forth in Section 2 above, its share of the costs approved by the BANC Commission to be shared pursuant to this Agreement.
8. Limitation of Liability: The Parties agree that the sole purpose of this Agreement is to allocate budgeted expenditures approved by the BANC Commission, and to obligate payment of such expenditures pursuant to the Participation Percentages. In no event shall any Party be liable to any other Party for any damages, be they direct, indirect, incidental, consequential, special, punitive or exemplary damages related to or arising out of this Agreement whether or not the party claiming damages has been advised of the possibility of such damages and regardless of what legal or equitable theory may be asserted, including, without limitation, any contract, negligence, breach of warranty or any other legal or equitable theory.
9. Execution by Counterparts: The Parties may execute this Agreement in multiple counterparts, each of which is deemed an original and all of which constitute only one agreement. Delivery of an executed counterpart by email in ".pdf" format shall be as effective as delivery of an original.

[signature page follows]

The undersigned have caused this Agreement to be duly executed through their authorized signatories as of the Effective Date.

Balancing Authority of Northern California

James R. Shetler
General Manager

Modesto Irrigation District

Name
Title

City of Redding

Name
Title

City of Roseville

Name
Title

City of Shasta Lake

Name
Title

Sacramento Municipal Utilities District

Name
Title

Trinity Public Utilities District

Name
Title