BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
Agenda for Regular and Closed Session Meetings of the Board of Directors
828 7th Street, Eureka, CA 95501

District Mission

Humboldt Bay Municipal Water District safeguards and sustainably delivers clean and reliable water to our community while protecting our natural resources and providing a resilient water supply for present and future generations.

Members of the public may join the meeting online through Teams meeting:

https://teams.microsoft.com/meet/283007626948995?p=zXkOQg7KNRRwEjGdIZ
Meeting ID: 283 007 626 948 995 **Passcode:** qA7bh2wC

Or participate by phone: +1 323-433-2201
Phone conference ID: 534 302 689#

How to Submit Public Comment: Members of the public may provide public comments via email until 5 p.m. the day before the Board Meeting by sending comments to office@hbmwd.com. Email comments must identify the agenda item in the email's subject line. Written comments may also be mailed to 828 7th Street, Eureka, CA 95501. Written comments should identify the agenda item number. Comments may also be made in person at the meeting.

Announcement recording of meeting: This meeting may be recorded to assist in the preparation of minutes. Recordings will only be kept 30-days following the meeting, as mandated by the California Brown Act.

Document Availability: Materials related to an item on this agenda that have been submitted to the HBMWD Board of Directors within 72-hours prior to this meeting, are available for public inspection in the HBMWD's Office at 828 7th Street, Eureka, California, during normal business hours, and can be viewed on our website at www.hbmwd.com.

Disability Notice: In compliance with the Americans with Disability Act, if you require a disability-related modification or accommodation to participate in this public meeting, please call (707) 443-5018. Notification 48-hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting.

AGENDA
REGULAR BUSINESS MEETING
Thursday, June 11, 2026
1:00 p.m.
828 7th Street
Eureka, CA 95501

1. Call to Order

1.1. Roll Call
1.2. Pledge of Allegiance
1.3. Accept Agenda

2. Public Comment: Members of the public are invited to address the Board on items not listed on the agenda that are within the scope and jurisdiction of the District. The Public may also request an item appearing on the Consent Calendar to be pulled and discussed separately. At the discretion of the President, comments may be limited to three minutes per person. The public will be allowed to address items on the agenda when the Board takes up that item. Under the Brown Act, the Board may not take action on any item which does not appear on the agenda. The Board of Directors is limited by State law to providing a brief response, asking questions for clarification, or referring a matter to staff when responding to items that are not listed on the agenda.

3. Consent Calendar: These matters are routine in nature and are usually approved by a combined single motion unless an item is pulled for discussion. Single motion and vote approving 2 recommendations.

3.1. Approve the Draft Minutes of the Regular Board Meeting of May 14, 2026
3.2. Approve the Draft Minutes of the Special Board Meeting of May 20, 2026
3.3. Approve LAFCO Independent Special District Election Ballot
3.4. Approve Single Audit Report for Fiscal Year Ended June 30, 2025
3.5. Approve the 2026 Annual Water Supply & Demand Assessment

4. Presentations:

4.1. NONE

5. Discussion and Action:

5.1. Public Hearing: Resolution 2025-04 2025 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP) —
  5.1.a. Discuss and Consider Adoption of Resolution No. 2026-04: Adoption of the District's 2025 Urban Water Management Plan and Water Shortage Contingency Plan and Authorization to Staff to Submit the Approved Plans to California Department of Water Resources.

5.2. Discuss and consider Approval or Resolution 2026-05 – Annual Limit for Appropriations

5.3. Discuss and Consider Approval of Resolution 2026-06 – Adopting a Conflict-of-Interest Policy

5.4. Discuss and Consider Approval or Resolution 2026-07 - Supporting the Association of California Water Agencies' Vision for Our Water Future Initiative

5.5. Discuss and Consider Approval of May Financial Statement & Vendor Detail Report

5.6. Discuss and Consider Approval of the FY27 Budget

5.7. Discuss and Consider Approval of Amended and Restated General Manager Employment Agreement

5.8. Discuss and Consider Approval of Items pulled from Consent Calendar

6. Reports:

6.1. Staff Report
  6.1.a. Operations Report
  6.1.b. Management Report

6.2. Active Ad-Hoc Committee Reports
  6.2.a. Instream Flow Dedication – 5/7
  6.2.b. General Manager Evaluation – 5/4

6.3. Director Reports - General Director Comments
  6.3.a. Vice-President Woo
  6.3.b. Director Wheeler
  6.3.c. Director Stevens
  6.3.d. Director Rupp

6.3.e. President Fuller

6.4. Organizations on which HBMWD Serves

6.4.a. Association of CA Water Agencies (ACWA)

6.4.b. Association of CA Water Agencies/Joint Powers Insurance Authority (ACWA-JPIA)

7. Discussion of Future Agenda Items:

7.1. Information Management System

7.2. Artificial Intelligence Policy

8. Adjournment:

The next Regular Meeting of the Board of Directors will be held at 1:00 PM on Thursday, July 9, 2026.

AGENDA

CLOSED SESSION MEETING

Thursday, June 11, 2026
To Immediately Follow Regular Business Meeting
828 7th Street, Eureka, CA 95501

1. Call to Order:

1.1. Roll Call

2. Public Comment: Members of the public are invited to address the Board on items listed on the Closed Session agenda. The Board of Directors is limited by State law to providing a brief response, asking questions for clarification, or referring a matter to staff when responding to items that are not listed on the agenda.

3. Announcement of Closed Session Agenda:

3.1. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Property: portion of Trinity County APN 020-330-005
Agency negotiator: Michiko Mares, General Manager; Ryan Plotz, District Counsel
Negotiating parties: Humboldt Trinity Recreation Alliance (HTRA), a nonprofit organization
Under negotiation: price and terms of payment

3.2 PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Title: General Manager

4. Adjourn to Closed Session:

5. Announcements from Closed Session:

6. Adjournment:

(The Board will discuss Closed Session agenda items in the Boardroom)

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 3.1

ITEM: Consider Approval of Draft Minutes of Regular Meeting of the Board of Directors on May 14, 2026.

PRESENTED BY: Contessa Dickson, Board Secretary

TYPE of ITEM: ACTION

TYPE of ACTION: General Vote – Consent Calendar

Recommendation

Staff recommend the Board consider approval of the Draft Minutes of the Board of Directors for May 14, 2026, Regular Meeting.

Discussion

The Draft Minutes of May 14, 2026, Regular meetings are attached. A reminder that the Minutes are approved by the legislative body, that is the Board of Directors, not individual members of the Board who were present at the Meeting.

Alternatives

Take no action.

Fiscal Analysis

Not Applicable

Environmental Requirements

Not Applicable

Exhibits/Attachments

Attachment 1 – Draft Minutes from May 14, 2026, Regular Meeting

Humboldt Bay Municipal Water District 828 7th Street, Eureka

Minutes of the Regular Meeting of the Board of Directors

May 14, 2026

1:00 p.m.

1.1 **ROLL CALL**

President Fuller called the meeting to order at 1:00 p.m. Roll call was conducted. Directors Fuller, Rupp, Stevens, Wheeler, and Woo were present. General Manager Michiko Mares, Director of Maintenance and Operations Dale Davidsen, Director of Finance and Human Resources Chris Harris, and Board Secretary Contessa Dickson were present.

1.2 PLEDGE OF ALLEGIANCE

President Fuller led the pledge of allegiance.

1.3 ACCEPT AGENDA

ACTION: Motion #26-027 to accept Agenda.
Maker: Director Woo
Second: Director Wheeler
Vote: 5-0 to approve

2. PUBLIC COMMENT

No public comment.

3. CONSENT CALENDAR

ACTION: Motion #26-028 to approve Consent Calendar.
Maker: Director Wheeler
Second: Director Stevens
Vote: 5-0 to approve

3.1 Approve the Draft Minutes of the Regular Board Meeting of April 9, 2026
3.2 Approve 2025-26 State Legislative Session – CSDA & ACWA Bill Positions Relevant to HBMWD
3.3 Approve 2025 Consumer Confidence Reports for HBMWD (CA1210013) and Fieldbrook Glendale CSD (CA1210020) and Authorization to Distribute
3.4 Approve Annual Financial Report for Fiscal Year Ended June 30, 2025
3.5 Approve Authorization to Use ReMat Reserve Funds for Watercraft
3.6 Approve Advanced Charges and Project Budget Reallocation – Part 1

4. PRESENTATIONS

4.1 None.

5. DISCUSSION AND ACTION:

5.1 Public Meeting – Second Reading and Adoption of Ordinance 17 (Revised)

ACTION: Motion #26-029 to approve
Maker: Director Rupp
Second: Director Wheeler

Vote: 5-0 to approve by roll call vote

- Director Wheeler: Aye
- Director Woo: Aye
- Director Fuller: Aye
- Director Stevens: Aye
- Director Rupp: Aye

(5 ayes, 0 no, 0 abstained)

Ms. Harris presented the second reading and adoption of revised Ordinance 17 related to Director compensation. She provided an overview of the proposed revisions, including the automatic annual cost-of-living adjustment mechanism and updates to the bill review stipend structure. Public comment was opened with no comments, then closed. Following discussion, the Board approved the second reading and adoption of Ordinance 17 (Revised).

5.2 Informational Memo Concerning the Former McNamara and Peepe Mill Site

Non-Action Item

Director Woo recused due to a conflict of interest.

Ms. Mares presented an informational update regarding the Former McNamara and Peepe Mill Site. She reported on ongoing coordination with DTSC, continued groundwater and stormwater monitoring activities, and recent communications regarding site management and regulatory review. Discussion included the District's continued concern regarding protection of public health, safety, and the environment.

5.3 Approval of April Financial Statement & Vendor Detail Report

ACTION: Motion #26-030 approve the April financial statement & vendor detail report in the amount of $914,326.97.

Maker: Director Woo

Second: Director Wheeler

Vote: 5-0 to approve

Ms. Harris presented the March financial statement, reporting a general account balance of $1.1 million, investments totaling $13.5 million, $6.7 million in advance charges, and $4.5 million in general reserves.

6. Reports:

6.1 Staff Reports:

a. Operations Report

Non-Action Item

Mr. Davidsen presented the April Operations Report. He reported on operational activities at Ruth Lake, hydro generation, maintenance projects, and ongoing safety and infrastructure work completed by staff during the month.

b. Management Report

Non-Action Item

Ms. Mares presented the General Manager's Report, providing updates on regulatory compliance, permitting, and reporting activities. She reported no workplace injuries during the reporting period and stated the District remained in full compliance with all state and federal drinking water regulations. Updates were also provided on FERC and DSOD coordination activities, Petition for Change discussions and working group coordination, capital improvement planning, grant opportunities, strategic planning implementation, and municipal customer coordination.

6.2 Active Ad-Hoc Committee Reports

a. Former McNamara and Peepe Mill Site Cleanup

The committee met with General Manager Mares on April 16. Director Wheeler was absent.

6.3 Director Reports

a. Vice President Woo

Vice President Woo Expressed appreciation for staff work and ongoing coordination efforts.

b. Director Wheeler

Director Wheeler reported on the pathways to trust training put on by Blue Lake Rancheria he attended and was glad to see District staff in attendance.

c. Director Stevens

Director Stevens expressed appreciation for staff and ongoing project coordination.

d. Director Rupp

Director Rupp commented on the North Coast Resource Partnership meeting he attended.

e. President Fuller

No comment.

6.4. Organizations on which HBMWD Serves

a. Association of CA Water Agencies (ACWA)

Non-Action Item

Director Rupp reported on the recent ACWA Finance Committee meeting he attended, including the Spring Conference, employee benefits committee meeting in Roseville, possible health benefit program changes, liability committee discussions regarding rates and the state of the marketplace.

b. Association of CA Water Agencies/Joint Powers Insurance Authority (ACWA-JPIA)
Non-Action Item
Director Rupp reported on the recent ACWA-JPIA meeting he attended. Including updates on the JPIA strategic plan, an artificial intelligence presentation utilizing avatars, audit and budget approvals, and emergency preparedness sessions.

7. Discussion of Future Agenda Items

7.1 Information Management System
Non-Action Item
No update.

7.2 Artificial Intelligence Policy
Non-Action Item
No update.

ADJOURN TO CLOSED SESSION
The Board adjourned from open session at 1:50 p.m.

CLOSED SESSION

1. ROLL CALL
President Fuller called the Closed Session meeting to order at 1:50 p.m. Roll call was conducted. Directors Fuller, Rupp, Stevens, Wheeler, and Woo were present. General Manager Michiko Mares, Director of Maintenance and Operations Dale Davidsen, Director of Finance and Human Resources Chris Harris, and Board Secretary Contessa Dickson were present.

2. Public comment:
Public comment was opened and received regarding the Section 1707 Instream Flow Dedication matter:

Monty Larsen, Water Rights Coordinator with California Department of Fish and Wildlife, commented on the Section 1707 Instream Flow Dedication process, noting he has been working with District staff for the past six to eight months to resolve the protest and feels progress has been made through the technical working group meetings with staff and other protestants. He stated support for the District continuing to participate in the process.

Dan Free with National Marine Fisheries Service commented that significant progress has been made and acknowledged the complexity of the system. He stated the meetings were productive and included extensive discussion regarding technical aspects of the petition. Mr. Free also noted that

protestants met separately and have worked well with District staff. He thanked staff and consultants for the work and information provided and expressed support for continuing the process with the State Water Resources Control Board and the 1707 petition.

Ms. Mares expressed appreciation to the speakers for continuing to work with the District and providing another opportunity to collaborate.

1. Announcement of Closed Session Agenda:

3.1.a (Paragraph (1) of subdivision (d) of Section 54956.9)

3.1.b Name of case: Petitions for Change and Instream Flow Dedication for Permits 11714 (Application 16454) and 11715 (Application 17291)

3.2. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Title: General Manager
3.3 CONFERENCE WITH LABOR NEGOTIATORS
Agency designated representatives: Michelle Fuller, Board President; Sheri Woo, Vice President; Ryan Plotz, District Counsel
Unrepresented employee: General Manager

The Board entered closed session at 1:55 pm and returned to open session at 4:33 p.m. President Fuller announced there was no reportable action.

ADJOURNMENT
The meeting adjourned at 4:34 p.m.

Attest:

_____ _____

Michelle Fuller, Board President Contessa Dickson, Board Secretary

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 3.2

ITEM: Consider Approval of Draft Minutes of the Special Meeting of the Board of Directors on May 20, 2026.

PRESENTED BY: Contessa Dickson, Board Secretary

TYPE of ITEM: ACTION

TYPE of ACTION: General Vote – Consent Calendar

Recommendation

Staff recommend the Board consider approval of the Draft Minutes of the Board of Directors for May 20, 2026, Special Meeting.

Discussion

The Draft Minutes of May 20, 2026, Special meetings are attached. A reminder that the Minutes are approved by the legislative body, that is the Board of Directors, not individual members of the Board who were present at the Meeting.

Alternatives

Take no action.

Fiscal Analysis

Not Applicable

Environmental Requirements

Not Applicable

Exhibits/Attachments

Attachment 1 – Draft Minutes from May 20, 2026, Special Meeting

Humboldt Bay Municipal Water District 828 7th Street, Eureka

Minutes of the Special Meeting of

the Board of Directors

May 20, 2026

1:00 p.m.

1.1 ROLL CALL

President Fuller called the meeting to order at 1:04 p.m. Roll call was conducted. Directors Fuller, Rupp, Stevens, and Woo were present. General Manager Michiko Mares, Director of Operations and Maintenance Dale Davidsen, Director of Finance and Human Resources Chris Harris, and Board Secretary Contessa Dickson were present. Director Wheeler was absent.

1.2 PLEDGE OF ALLEGIANCE

President Fuller led the flag salute.

1.3 ACCEPT AGENDA

ACTION: Motion #26-031 to accept Agenda
Maker: Director Woo
Second: Director Rupp
Vote: 4-0 to approve

2. PUBLIC COMMENT

No public comment was received.

3. PRESENTATIONS:

3.1 Presentation of Proposed FY2026/2027 Budget Introduction

Ms. Harris delivered a presentation on the proposed FY2026/2027 Budget, including an overview of the budget review schedule and major budget components. She noted the proposed budget is anticipated to be brought back to the Board for consideration and possible adoption at the June 11, 2026, Regular Board Meeting. Ms. Harris also reviewed projected municipal customer charges and major budget components.

3.1.a Service and Supply

Ms. Harris reviewed the proposed Service and Supply Budget, including increases related to information technology and software maintenance, cyber security upgrades, regulatory agency fees, insurance, professional services, accounting services, legal services, and materials and supplies. She discussed increases related to Microsoft 365 fees, software maintenance, and additional router and server costs. The Board asked clarifying questions regarding insurance increases, dues and subscriptions, and operational impacts.

3.1.b Salaries and Employee Benefits

Ms. Harris reviewed the proposed Salaries and Employee Benefits Budget, including the proposed 4.4% Cost of Living Adjustment (COLA), salary schedule adjustments, succession planning coverage, staffing additions, and increases related to CalPERS, payroll taxes, and health insurance premiums. She also discussed the proposed Maintenance Mechanic I position and proposed tiered sick leave accrual structure. The Board asked clarifying questions regarding staffing, succession planning, unfunded liabilities, and employee benefits.

3.1.c Project Budget

Ms. Harris reviewed the proposed FY2026/2027 Project Budget totaling approximately $13.3 million, including maintenance, capital, equipment and fixed assets, and professional services and consulting projects. She highlighted several major projects and reviewed proposed funding sources, including customer charges, advanced charges, grants, and reallocated funds. The Board asked clarifying questions regarding grants, FEMA reimbursements, project funding, and long-term capital planning. The Board expressed appreciation for the thorough information provided. Ms. Harris noted staff would remain available for follow-up questions prior to consideration and possible adoption of the FY2026/2027 Budget at the June 11, 2026, Regular Board Meeting.

ADJOURNMENT

The meeting adjourned at 2:25 p.m.

Attest:

_____	_____
Michelle Fuller, Board President	Contessa Dickson, Board Secretary

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 3.3

ITEM: Humboldt LAFCo Independent Special District Election Ballot

PRESENTED BY: Contessa Dickson, Board Secretary

TYPE of ITEM: Informational

TYPE of ACTION: General Vote - Consent Calendar

Recommendation

Staff recommend the Board receive and file the Humboldt LAFCo Independent Special District Election Ballot recommending David Couch of McKinleyville Community Services District for the Independent Special District Regular Member seat.

Discussion

The Humboldt Local Agency Formation Commission (LAFCo) conducted an election for the Independent Special District Regular Member seat. Pursuant to Government Code Section 56332(f), formal Board action is not required to cast a ballot; however, districts may choose to confirm selections through action of their governing board. President Michelle Fuller, as the District's Presiding Officer, submitted the District's ballot in support of David Couch of McKinleyville Community Services District. This item is presented for informational purposes and to provide a record of the District's participation in the election process.

Alternatives

No alternative action is recommended. The ballot has been submitted by the District's Presiding Officer pursuant to Government Code Section 56332(f).

Fiscal Analysis

Not Applicable

Environmental Requirements

Not Applicable

Exhibits/Attachments

Attachment 1 – Completed Humboldt LAFCo Independent Special District Election Ballot

HUMBOLDT
Local Agency Formation Commission

OFFICIAL BALLOT
INDEPENDENT SPECIAL DISTRICT ELECTION
REGULAR MEMBER

Mark selection directly onto the ballot, voting for no more than one (1) candidate. Formal board action to vote for a candidate is not required under Government Code Section 56332(f); however, districts may choose to confirm selections through action of their governing board.

The candidate with the highest number of votes will serve as the regular special district member and the candidate receiving the second-highest number of votes will serve as alternate special district member. Ballots must be returned to the LAFCo office at 670 9th Street, Suite 202, Arcata, CA 95521 or emailed to amber@humboldtlafco.org on or before 5:00 p.m. on June 26, 2026.

Please vote for one of the following candidates for REGULAR special district member:

☐ **MEGHAN RYAN**
District Affiliation: Manila Community Services District

☒ **DAVID COUCH**
District Affiliation: McKinleyville Community Services District

VOTING DISTRICT AUTHORIZATION

Name of Voting District: Humboldt Bay Municipal Water District

District Address: 828 7th Street, Eureka, CA 95501

District Phone Number: (707) 443-5018

Printed Name of Presiding Officer: Michelle Fuller

Signature of Presiding Officer: Michelle Fuller

(Signature Required[1]

[1] All ballots must be signed by the district's presiding officer or the presiding officer's alternate as designated by the governing body. If an alternate has been designated by the governing body pursuant to Government Code Section56332(f), documentation of the designation (e.g., meeting minutes or minute order) may be included.

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 3.4

ITEM: Approval of Single Audit Report for Fiscal Year Ended June 30, 2025

PRESENTED BY: Chris Harris, Director of Finance and Human Resources

TYPE of ITEM: ACTION

TYPE of ACTION: General Vote - Consent Calendar

BOARD POLICY: Not Applicable

Recommendation

Staff recommend the Board receive and approve the Single Audit Report for the fiscal year ended June 30, 2025, as completed by O'Connor & Company.

Discussion

Background

As required by the Office of Management and Budget (OMB) under the Uniform Guidance (2 CFR Part 200), the District is subject to a Single Audit for any fiscal year in which federal expenditures exceed $750,000. This audit is separate from the District's annual financial statement audit and focuses specifically on the District's federal grant programs. For the fiscal year ended June 30, 2025, the District's federal expenditures totaled $1,196,096. O'Connor & Company of Novato, California, the District's independent auditor, conducted the Single Audit. The complete Single Audit Report is provided as an attachment to this staff report.

Federal Program Audited

The District had one major[1] federal program for the year ended June 30, 2025. This was the Hazard Mitigation Grant Program (HMGP). The Hazard Mitigation Grant Program (HMGP) is a federal program administered by FEMA that provides funding to help communities reduce the risk of future disaster damage. When a federal disaster is declared, HMGP funds become available to the affected state. California's Governor's Office of Emergency Services (CalOES) acts as the pass-through agency, receiving the federal funds and then awarding grants to local agencies like the District. Examples of the use of this

[1] A major program is one that exceeds the $750k threshold.

type of funding includes the 3x Seismic Tank Retrofit Grant Project and the TRF Emergency Generator Grant Project.

The District was not qualified as a low-risk auditee for this fiscal year due to the lack of consistent requirement of a single audit.

Audit Opinion on Compliance

O'Connor & Company issued an unmodified (clean) opinion on the District's compliance with the types of requirements that could have a direct and material effect on its major federal program. In the auditors' opinion, the District complied, in all material respects, with all applicable federal program requirements for the fiscal year ended June 30, 2025.

Internal Controls and Compliance

The auditors did not identify any deficiencies in internal control over financial reporting that they consider to be material weaknesses, and the results of their compliance testing disclosed no instances of noncompliance required to be reported under Government Auditing Standards. Similarly, no material weaknesses or significant deficiencies in internal control over compliance with major federal program requirements were identified. There are no current-year audit findings or questioned costs, and there were no prior-year findings or recommendations to follow up on.

Exhibits/Attachments

- Attachment 1 – Single Audit Report, Fiscal Year Ended June 30, 2025 (O'Connor & Company, dated May 8, 2026)

DRAFT

5/8/2026

To be used only for management discussion purposes; engagement is incomplete; this draft is subject to final review and possible revision. **Report/Letter date is TENTATIVE-TBD**

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

EUREKA, CALIFORNIA

SINGLE AUDIT REPORT

JUNE 30, 2025

TABLE OF CONTENTS

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

Board of Directors
Humboldt Bay Municipal Water District
Eureka, California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities of Humboldt Bay Municipal Water District, California, as of and for the year ended June 30, 2025, and the related notes to the financial statements, which collectively comprise Humboldt Bay Municipal Water District's basic financial statements, and have issued our report thereon dated April 21, 2026.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Humboldt Bay Municipal Water District's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Humboldt Bay Municipal Water District's internal control. Accordingly, we do not express an opinion on the effectiveness of Humboldt Bay Municipal Water District's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of Humboldt Bay Municipal Water Districts financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that have not been identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether Humboldt Bay Municipal Water District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of Humboldt Bay Municipal Water District's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Humboldt Bay Municipal Water District's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

O'Connor & Company

Novato, California
April 21, 2026

INDEPENDENT AUDITORS' REPORT
ON COMPLIANCE FOR EACH MAJOR
PROGRAM AND ON INTERNAL CONTROL
OVER COMPLIANCE AND REPORT ON
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
REQUIRED BY THE UNIFORM GUIDANCE

Board of Directors
Humboldt Bay Municipal Water District
Eureka, California

Report on Compliance for Each Major Federal Program

We have audited Humboldt Bay Municipal Water District's compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of Humboldt Bay Municipal Water District's major federal programs for the year ended June 30, 2025. Humboldt Bay Municipal Water District's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

Opinion on Each Major Federal Program

In our opinion, Humboldt Bay Municipal Water District complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2025.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditor's Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of Humboldt Bay Municipal Water District and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of Humboldt Bay Municipal Water District's compliance with the compliance requirements referred to above.

Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules, and provisions of contracts or grant agreements applicable to Humboldt Bay Municipal Water District's federal programs.

Auditor's Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on Humboldt Bay Municipal Water District's compliance based on our audit.

Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about Humboldt Bay Municipal Water District's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding Humboldt Bay Municipal Water District's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of Humboldt Bay Municipal Water District's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of Humboldt Bay Municipal Water District's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

Report on Internal Control over Compliance

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the Auditor's Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

We have audited the financial statements of the business-type activities of Humboldt Bay Municipal Water District as of and for the year ended June 30, 2025, and the related notes to the financial statements, which collectively comprise Humboldt Bay Municipal Water District's basic financial statements. We issued our report thereon dated April 21, 2026, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

O'Connor & Company

Novato, California
May XX, 2026 (Except for our report on the schedule of expenditures of federal awards, for which the date is April 21, 2026).

Humboldt Bay Municipal Water District
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
For the Year Ended June 30, 2025

Federal Program/Pass-Through Grantor/Program Title	Federal Assistance Listing Number	Pass-Through Entity Identifying Number	Total Federal Expenditures
U.S. DEPARTMENT OF HOMELAND SECURITY			
Passed through California Government Office of Emergency Services			
Hazard Mitigation Grant Program*	97.039	023-91000	$ 1,196,096
Total U.S. Department of Homeland Security			1,196,096
Total Expenditures of Federal Awards			$ 1,196,096

Major Program*

See accompanying Notes to Schedule of Expenditures of Federal Awards.

Humboldt Bay Municipal Water District
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
June 30, 2025

NOTE 1 - BASIS OF PRESENTATION

The accompanying Schedule of Expenditures of Federal Awards (SEFA) includes the federal grant activity of Humboldt Bay Municipal Water District under programs of the federal government for the year ended June 30, 2025. The information in this SEFA is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the SEFA presents only a selected portion of the operations of Humboldt Bay Municipal Water District, it is not intended to, and does not, present the financial position, changes in net position, or cash flows of Humboldt Bay Municipal Water District.

NOTE 2 - BASIS OF ACCOUNTING

Basis of accounting refers to when revenues and expenditures or expenses are recognized in the accounts and reported in the financial statements, regardless of the measurement focus applied. The accompanying SEFA is presented using the modified accrual basis of accounting for grants accounted for in the governmental fund types and the accrual basis of accounting for grants accounted for in the proprietary fund types, as described in the notes to the Humboldt Bay Municipal Water District's financial statements. Such expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowed or are limited as to reimbursements.

NOTE 3 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Expenditures reported on the SEFA are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance.

NOTE 4 - FEDERAL ASSISTANCE LISTING NUMBERS (FALN)

The FALN number included in the accompanying SEFA was determined based on the program name, review of the award contract, and the Office of Management and Budget's Catalog of Federal Assistance Listings.

NOTE 5 - INDIRECT COSTS

Humboldt Bay Municipal Water District elected not to use the 10% de minimis cost rate as covered in the Uniform Guidance Part 200.414 Indirect (F&A) Costs.

NOTE 6 - RELATIONSHIP TO FEDERAL FINANCIAL REPORTS

The amounts reported in the accompanying SEFA agree or can be reconciled with amounts reported in the related federal financial assistance reports.

NOTE 7 - RELATIONSHIP TO BASIC FINANCIAL STATEMENTS

The amounts reported in the accompanying SEFA agree or can be reconciled with amounts reported in the Humboldt Bay Municipal Water District's basic financial statements.

NOTE 8 - PASS–THROUGH ENTITIES' IDENTIFYING NUMBER

When federal awards are received from a pass-through entity, the SEFA shows, if available, the identifying number assigned by the pass-through entity. When no identifying number is shown, Humboldt Bay Municipal Water District determined that no identifying number is assigned for the program or Humboldt Bay Municipal Water District was unable to obtain an identifying number from the pass-through entity.

Humboldt Bay Municipal Water District
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
For the Year Ended June 30, 2025

Section I – Summary of Auditors' Results

1. Type of auditors' report issued: Unmodified.

2. Internal control over financial reporting:

   a. Material weakness(es) identified? No
   b. Significant deficiencies identified that were not considered to be material weakness(es)? None reported
   c. Noncompliance material to financial statements noted. No

3. Internal control over major programs:

   a. Material weakness(es) identified? No
   b. Significant deficiencies identified that were not considered to be material weakness(es)? None reported
   c. Type of auditors' report issued on compliance for major programs: Unmodified
   d. Any audit findings disclosed that are required to be reported in accordance with Uniform Guidance? No

4. Audited as Major Programs:

FALN	Federal Program Name or Cluster	Amount
97.039	Hazard Mitigation Grant Program	$1,196,096

5. Dollar threshold used to distinguish between type A and type B programs: $750,000

6. Auditee is qualified as a low-risk auditee. No

Section II – Financial Statement Findings

There were no financial statement findings.

Section III – Federal Award Findings and Questioned Costs

There were no federal award findings and questioned costs.

Humboldt Bay Municipal Water District
STATUS OF PRIOR YEAR FINDINGS AND RECOMMENDATIONS
For the Year Ended June 30, 2025

Recommendation	Status/Explanation

There were no prior year findings or recommendations.

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 3.5

ITEM: Approval of the 2026 Annual Water Supply and Demand Assessment

PRESENTED BY: Annmarie Behan, PE, GE, Associate Engineer

TYPE of ITEM: ACTION

TYPE of ACTION: General Vote – Consent Calendar

Recommendation

Staff recommend the Board of Directors review and approve the 2026 Annual Water Supply and Demand Assessment (AWSDA).

Discussion

Background and Statutory Requirements

California Water Code §10632(a) requires each urban water supplier to include annual water supply and demand assessment procedures in its Water Shortage Contingency Plan (WSCP). California Water Code §10632.1 requires each urban water supplier to conduct an annual water supply and demand assessment (AWSDA) and submit an annual water shortage assessment report to DWR on or before July 1 of each year, with information on anticipated shortage, triggered shortage response actions, compliance and enforcement actions, and communication actions consistent with the supplier's WSCP.

HBMWD's WSCP was developed and adopted as part of the 2020 UWMP cycle and is carried forward without revision as Appendix G of the 2025 UWMP, adopted by the Board of Directors at today's meeting. Under the WSCP, the results of the AWSDA are communicated to the General Manager, and the Associate Engineer reports findings to the Board of Directors before the end of June, with a recommendation for a water shortage emergency resolution if warranted. Additionally, Section 8.12 of the WSCP commits the Board of Directors to approve the AWSDA prior to submittal, as discussed in the Basis for Board Approval section below.

The AWSDA (attached) concluded that based on the analysis of historic precipitation trends, Mad River discharge trends, groundwater elevation trends, observations from the District's Ranney Collector Wells, and documented sustainability of the Mad River Groundwater Basin, the water supply will likely meet the projected demand over the next 24 months. Current conditions correspond to Stage 1 (no shortage) under the District's five-stage Water Shortage Contingency Plan, requiring no demand reduction actions at this time.

Post Board Approval Requirements

Following Board approval, Staff will complete the following actions within the required timeframes:

1. Submit the approved 2026 Annual Water Supply and Demand Assessment to DWR via the WUEdata Portal no later than July 1, 2026.
2. Retain documentation of the DWR approval in HBMWD's compliance records.

Alternatives

Failure to adopt and submit the AWSDA by July 1, 2026 would place the District in non-compliance with California Water Code §10632.1 and jeopardize HBMWD's eligibility for state water grants and loans per Water Code §10656.

Fiscal Analysis

Approval of the 2026 AWSDA has no direct fiscal impact. Costs associated with plan preparation were absorbed within the existing Staff and consulting budget.

Environmental Requirements

Not applicable — approval of an annual informational report does not constitute a project under CEQA.

Exhibits/Attachments

Attachment A —2026 Annual Water Supply and Demand Assessment

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

ANNUAL WATER SUPPLY AND DEMAND ASSESSMENT

FY2026

Prepared for:
Humboldt Bay Municipal Water District

828 Seventh Street
Eureka, CA 95501

June 2026

Prepared by:
Orrin Plocher

Freshwater Environmental Services

78 Sunny Brae Center
Arcata, California 95521
Phone (707) 839-0091

TABLE OF CONTENTS

LIST OF APPENDICES

1.0 INTRODUCTION

1.1 System Overview

Humboldt Bay Municipal Water District (HBMWD) operates a domestic water system which supplies treated drinking water to wholesale customers and has small number of retails customers. HBMWD's system consists of the following facilities:

- R. W. Matthews Dam which forms Ruth Reservoir in southern Trinity County
- Gosselin Hydro-Electric Power Plant at R. W. Matthews Dam
- Diversion, pumping and control facilities adjacent to the Mad River near Essex at the John R. Winzler Operations and Control Center, and
- Storage and treatment facilities

The District has a pipeline system which delivers treated drinking water to HBMWD's customers. R. W. Matthews Dam impounds runoff from the upper quarter of the Mad River basin, an area of approximately 121 square miles. The capacity of Ruth Reservoir, impounded by Matthews Dam, is 48,030 acre-feet.

A portion of the water stored in Ruth Lake is released each summer and fall to satisfy HBMWD's downstream diversion requirements, as well as maintain minimum bypass flow requirements in the Mad River below Essex. Although HBMWD impounds water at Ruth Lake and diverts water at Essex, the operations do not significantly affect the natural flow regime in the Mad River.

The total volume of water impounded and diverted by HBMWD represents a small percentage of the natural yield of the Mad River watershed. The Mad River's average annual discharge into the Pacific Ocean is just over 1,000,000 AF. Ruth Reservoir, in its entirety, represents less than 5% of the total average annual runoff from the Mad River basin. The total 48,030 AF capacity of Ruth Reservoir is not drawn down each year, so the amount of winter-season runoff captured in the reservoir is yet a smaller percentage of the total runoff. With respect to diversions, the current domestic water withdrawal rate at Essex averages 8 million gallons per day (about 9,000 AF per year), which is only 1% of the total annual average runoff of the Mad River watershed. This diversion is accomplished by extracting ground water from the underlying aquifer via Ranney Collectors. In the winter months, additional filtration is provided by an in-line filtration facility for domestic water. The full diversion capacity of 75 MGD (84,000 AF per year) is just 8% of the total annual average runoff of the watershed.

1.2 Plan Preparation

Per the California Water Code (CWC) §10632.1, an urban water supplier shall conduct an annual water supply and demand assessment pursuant to subdivision (a) of Section 10632 and, on or before July 1 of each year, submit an annual water shortage assessment report to the department with information for anticipated shortage, triggered shortage

response actions, compliance and enforcement actions, and communication actions consistent with the supplier's water shortage contingency plan. CWC states that on or before July 1, 2022, and every year after, each Supplier shall prepare its Annual Assessment and submit an Annual Shortage Report to DWR. The Annual Shortage Report is due by July 1 of every year, as required by Water Code Section 10632.1.

CWC §10632(a)(2) The procedures used in conducting an annual water supply and demand assessment that include, at a minimum, both of the following:

> (A) The written decision-making process that an urban water supplier will use each year to determine its water supply reliability.
> (B) The key data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year, including all of the following:
>
> > (i) Current year unconstrained demand, considering weather, growth, and other influencing factors, such as policies to manage current supplies to meet demand objectives in future years, as applicable.
> > (ii) Current year available supply, considering hydrological and regulatory conditions in the current year and one dry year. The annual supply and demand assessment may consider more than one dry year solely at the discretion of the urban water supplier.
> > (iii) Existing infrastructure capabilities and plausible constraints.
> > (iv) A defined set of locally applicable evaluation criteria that are consistently relied upon for each annual water supply and demand assessment.
> > (v) A description and quantification of each source of water supply.

The April 2022 Annual Water Supply and Demand Assessment Guidance and April 23, 2024 Guidance Addendum were utilized in preparation of the District's 2026 Annual Water Supply and Demand Assessment.

2.0 WATER SUPPLY RELIABILITY

2.1 Process for Determining Water Supply Reliability

Since the early 1960s, the District has reliably supplied water to customers in the greater Humboldt Bay area of Humboldt County, California. The District provides treated, potable water for domestic and business use to seven municipalities (wholesale customers), as well as approximately 200 retail customers. From the early 1960s to the 1990s, the District also provided untreated surface water to two industrial customers (pulp mills). One of the larger pulp mills ceased operations in the 1990s and the last pulp mill ceased operation in 2009.

As a result of these changes in customers and water demands, the District now has more than enough water supply to serve existing and future customers, even during drought years. Our source of water, Ruth Lake Reservoir has filled multiple times during drought years and supplies a consistent, reliable source of water, thereby reducing any challenges to water supply availability. The District is evaluating options for the use of this additional water supply, including expansion of demand within its service territory and dedication of portions of its water rights to instream flow enhancement.

2.1.1 Stages of Action

There are five defined drought action stages (see Table 1). These stages correspond to standardized water shortage levels (up to 10, 20, 30, 40, and 50 percent shortage). The stages and corresponding reservoir shortage levels vary on a seasonal basis as a result of water use and supply also typically varying on a seasonal basis. These stages may be implemented with or without a formal declaration of a water emergency by the District's Board of Directors. In the event circumstances merit or require a declaration of a water shortage emergency, it is the intent of the District to rely on this plan to provide the primary framework to deal with such an emergency. The triggers attached to each stage are not intended to be absolute. Circumstances not currently foreseeable may dictate moving to a higher action stage before the trigger levels for that stage are reached. Conversely, action stage implementation may be postponed or suspended if there is sufficient natural flow in the river to meet downstream needs. Action stages will be terminated as rain, runoff, and lake levels permit.

Table 1: Drought Action Stages.

Drought Triggers Action Stage	Domestic Reduction	Industrial Reduction	Total Percent Supply Reduction	Delivered Water (Municipal, MGD)	Total Delivered (MGD)	Maximum Draft (MGD)
1	0%	0%	0%	10	50	75
2	5%	5%	5%	9.5	47.5	50
3	10%	50%	42%	9	29	30
4	20%	70%	60%	8	20	20
5	30%	95%	82%	7	9	10
6*	*	*	*	*	*	*

*Level 6 is blank because the probability of ever reaching this level is incredibly low.

As of May 29, 2026, our Ruth Lake Reservoir is approximately 0.6' below spillway or ~99% capacity.

2.3 Key Data Inputs and Assessment Methodology

2.4.1 Single Driest Years

The water year ending in September 1977 was the driest recorded for the District since 1962, far drier than any other. Rainfall in the Ruth area was 29 inches, or 41% of normal (69.8 inches). Flows into the reservoir were 26,000 AFY, or 15% of normal (173,000 AFY). The runoff for the watershed measured near the District's diversion facilities was 109,107 AFY, or 11% of normal (959,071 AFY). The average reservoir volume for the water year was 21,000 AF, which is 44% of capacity (48,030 AF) and 51% of normal (41,000 AF). The reservoir was drawn down to 13,000 AF, or 27% of its capacity (48,030 AF) at the end of the water year.

Fall storms arrived in November 1977 and quickly refilled the reservoir. This water year was severely dry throughout the entire state of California and was a very exceptional year in the District's history:

- In 53 years of records, it was the only year in which rainfall was less than 50% of normal (69.8 inches).
- It was also the only year in which the reservoir was not filled to capacity.

2.4.2 Multiple Dry Years

The five water years between October 1990 and September 1994 represent the driest five multiple years recorded for the District:

- Rainfall for this period averaged 49 inches per year, or 70% of normal.
- Of the five water years, the driest year for rainfall was water year 1991/1992 with 37 inches, or 53% of normal.
- Flows into Ruth Lake via the Mad River averaged 64,000 AFY, or 37% of normal (173,000 AFY).
- Despite the diminished rainfall and runoff, rainfall was more than sufficient to refill the reservoir each year.
- Reservoir volume during this period averaged 39,062 AF which is 81% of capacity (48,030 AF) and 95% of normal (41,000 AF).

The runoff for the watershed above the District's diversion facilities for these five water years was:

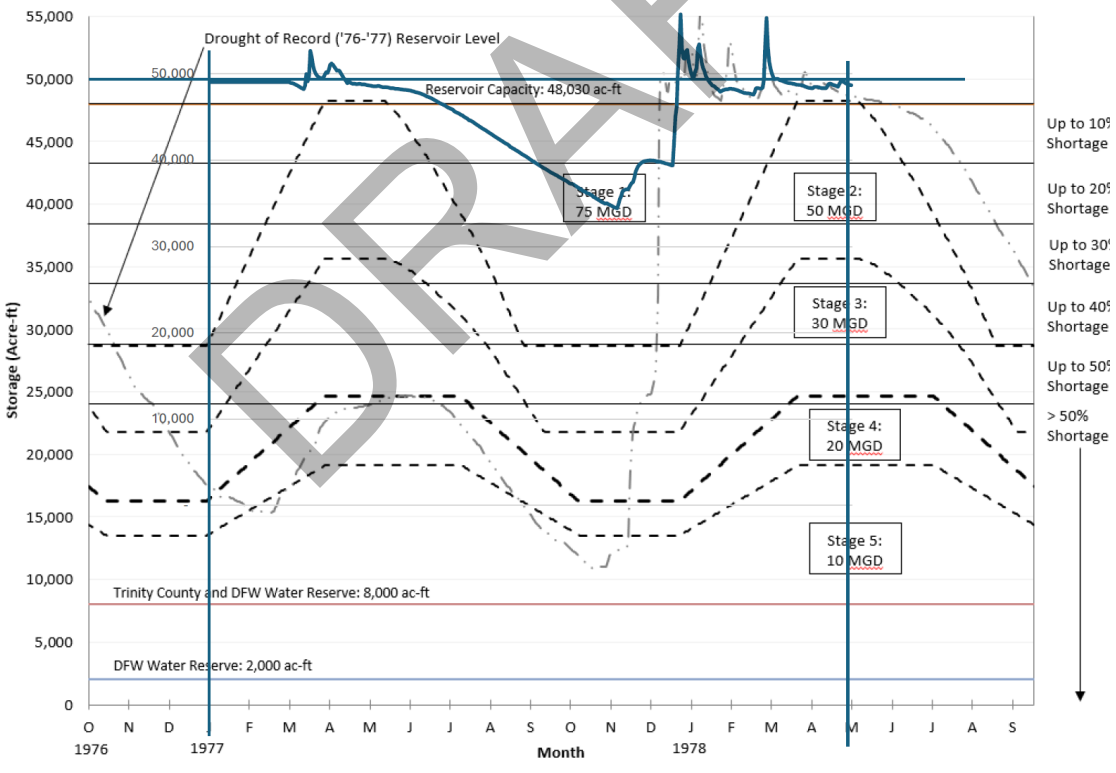
- 1990: 571,815 AFY, or 60% of normal (959,071 AFY).

- 1991: 371,300 AFY, or 39% of normal.
- 1992: 282,794 AFY, or 29% of normal (driest water year of the five).
- 1993: 1,175,052 AFY, or 119% of normal.
- 1994: 434,979 AFY, or 44% of normal.

2.4.3 Stages and Conditions

An analysis was performed to develop reservoir operating curves and establish "action stages" or "trigger levels" that prompt various responses, dependent upon reservoir levels at various times of the year. The analysis established five drought action stages, please see Table 1. District engineers developed an Operating Curve. This Operating Curve outlines the specific water supply conditions that are applicable to each stage. Stage implementation will occur as a result of the reservoir level at a given time of year. For example, if the reservoir storage level was at 25,000 acre-feet in November (up to 50% reservoir shortage), Stage 2 would be implemented. Currently the District is in Stage 1 which is Controlled Release from Storage If the reservoir level is within the Stage 1 boundaries, only the amount of water needed for instream flow dedication and water supply purposes will be released from the reservoir.

Draft Operating Curve



Portions of water demand that need to be included when considering draft from the reservoir include domestic use, industrial use, and instream flow dedications. The municipalities that HBMWD serves currently use an average of approximately 8 MGD of domestic water. There are currently no industrial customers; however, there is potential for industrial customers in the future. There is also a minimum of 5 cfs that must be released from the dam to provide adequate river flow for fish. The District's Habitat Conservation Plan and Water Rights permit also establishes minimum bypass flows (fish flows) that must always be present in the river (see Table 2).

Table 2: Mad River Flow Requirements for Fish

Time Frames	Flow at Hwy 299 Bridge (cfs)
October 1 – October 15	30
October 16 – October 31	50
November 1 – June 30	75
July 1 – July 31	50
August 1 – August 31	40
September 1 – September 30	30

The flow values given in the chart above are the flows that need to be measured at the Highway 299 bridge (USGS Gauge # 11481000) downstream of the District's operation facilities at Essex, and they do not necessarily reflect flows that need to be released from the reservoir, as there are contributing flows from tributaries to the Mad River below the reservoir. Furthermore, flows at the Highway 299 bridge are permitted to be as low as the "natural flow" calculation if that value is lower than those given in Table 2 above. The District will always release the minimum of 5 cfs from the dam, as required, and has historically endeavored to meet the minimum flows as established in Table 2 to support healthy fish life. It is likely that in the event of a longer-term drought and during periods of the higher conservation Stages being enacted, the District may resort to the natural flow requirement and reduce discharges accordingly.

For the purpose of determining trigger responses, the following assumptions were made:

- The District is operating both its domestic and industrial systems.
- A domestic water delivery of 8 MGD and an industrial water delivery of 40 MGD were used. Although the industrial water system is not currently in use, this assumption accounts for the potential for future industrial water demand. It should also be noted, that the Operating Curve is based on total flow released from the reservoir (e.g. in Stage 2, 50 MGD can be released), and this flow can be apportioned based on domestic and industrial water consumption at that point in time.
- Because instream flow dedication requirements vary throughout the year, and can vary depending upon natural flow conditions, these flows were not included. Flows released from the dam during the various action stages are generally above the flows that are required per the above Table 2.

The operating curves that were established give maximum draft rates for each of the five different drought action stages. The conservation action boundaries were developed based on these maximum draft rates, the amount of storage remaining over time at a given draft rate, drought of record (1976-1977) inflow, typical evaporation losses, and common reservoir level trends during the period of record (1969-2020). Throughout the period of record, reservoir levels have generally been lowest from October to January, and highest from March to May. The trigger levels have been established to account for these seasonal variations (e.g. a storage level of 30,000 AF, up to 40% reservoir shortage, would be in Stage 1 in November, but it would be in Stage 3 in May).

The storage during the drought follows the general pattern of the operating curves that have been generated. During the drought, reservoir storage never dropped below 10,800 AF.

While the 2012-2016 drought was significant for the State of California, it should be noted that the Ruth Reservoir filled every year during this most recent drought. The reservoir level remained in the Stage 1 action level (maximum draft of 75 MGD) for most of the 2012-2016 drought. There were a few occasions when the reservoir level triggered Stage 2 action, and one occasion when the reservoir level triggered Stage 3 action. The highest drought trigger stage that was reached from 2012-2016 was Stage 3 (maximum draft of 30 MGD, which is well above the District's current average draft rate of 10 MGD). This occurred for a brief period during January-February of 2014, and the reservoir was filled by the end of February 2014.

Please see the DWR-provided Tables 1-5 in Appendix A for specific data on demands, supplies, water shortage assessment and actions.

2.4.4 Constraints of Water Supply

There are no constraints on the water source for the District. The District has an abundant supply of water at Ruth Reservoir which flows down the Mad River and is diverted at the Essex Operations Center. This source of water has been very consistent and there is no need to replace or supplement this source.

APPENDIX A

2026 AWSDA TABLES

Table 1. Annual Assessment Information	
Type of Supplier (Required to check one or two)	
Supplier is a Wholesaler	☑
Supplier is a Retailer	☑
If you are both a wholesaler and retailer, will you be submitting two separate reports or a combined report?	A combined report
Year Covered By This Shortage Report (Required)	
Start: July 1,	2026
End: June 30,	2027
Volume Unit for Reported Supply and Demand: *(Must use the same unit throughout)*	AF
Supplier's Annual Assessment Planning Cycle (Required)	
Start Month:	July
End Month:	June
Data Interval:	Monthly (12 data points per year)
Water Supplier's Contact Information (Required)	
Water Supplier's Name:	Humboldt Bay Municipal Water District
Contact Name:	Annmarie Behan
Contact Title:	Associate Engineer
Street Address:	828 7th Street
ZIP Code:	95501
Phone Number:	(707) 443-5018
Email Address:	behan@HBMWD.com
Report Preparer's Contact Information *(if different from above)*	
Preparer's Organization Name:	Freshwater Environmental Services
Preparer's Contact Name:	Orrin Plocher
Phone Number:	(707) 4989071
Email Address:	Orrin@freshwaterenvironmentalservices.com
Supplier's Water Shortage Contingency Plan	
WSCP Title	Humboldt Bay Municipal Water District Water Shortage Contingency Pla
WSCP Adoption Date	6/10/2021
Other Annual Assessment Related Activities	
Activity	**Timeline/ Outcomes / Links / Notes**
Annual Assessment/ Shortage Report Title:	
Annual Assessment / Shortage Report Approval Date:	
Other Annual Assessment Related Activities:	
(Add rows as needed)	

	= From prior tables
	= Auto calculated

Table 2: Water Demands[1]

Use Type			Start Year:	2026	Volumetric Unit Used[2]:	AF							
Drop-down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Description (as needed)	Level of Treatment for Non-Potable Supplies **Drop-down list**	Projected Water Demands - Volume[3]											
			Jul	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Total by Water Demand Type**
Demands Served by Potable Supplies														
Sales to other agencies			671	671	671	671	671	671	671	671	671	671	671	671	8052
Single Family			4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	49.08
Multi-Family			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2
Commercial			1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	13.92
Industrial			7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	7.84	94.08
Losses			171	171	171	171	171	171	171	171	171	171	171	171	2052
															0
															0
															0
															0
Total by Month (Potable)			855.19	855.19	855.19	855.19	855.19	855.19	855.19	855.19	855.19	855.19	855.19	855.19	10262.28
Demands Served by Non-Potable Supplies															
															0
															0
															0
															0
															0
Total by Month (Non-Potable)			0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: List considered factors impacting demands

[1]Projections are based on best available data at time of submitting the report and actual demand volumes could be different due to many factors.

[2]Units of measure (AF, CCF, MG) must remain consistent.

[3]When opting to provide other than monthly volumes (bi-monthly, quarterly, or annual), please see directions on entering data for Projected Water Demand in the Table Instructions.

Optional (for comparison purposes)	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Total**
Last year's total demand													0
Two years ago total demand													0
Three years ago total demand													0
Four years ago total demand													0

	= From prior tables
	= Auto calculated

Table 3: Water Supplies[1]

Water Supply		Start Year:	2026				Volumetric Unit Used[2]:	AF								
Drop-down List May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool (Add additional rows as needed)	Additional Detail on Water Supply	Projected Water Supplies - Volume[3]													Water Quality **Drop-down List**	Total Right or Safe Yield* (optional)
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total by Water Supply Type		
Potable Supplies																
Surface water (not desal.)		2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	28479.6		
														0		
														0		
														0		
														0		
														0		
														0		
														0		
														0		
														0		
Total by Month (Potable)		2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	28479.6		0
Non-Potable Supplies																
														0		
														0		
														0		
														0		
														0		
Total by Month (Non-Potable)		0	0	0	0	0	0	0	0	0	0	0	0	0		0

Notes: List hydrological and regulatory conditions, infrastructure capabilities, and plausible constraints which may impact the water supplies

[1]Projections are based on best available data at time of submitting the report and actual supply volumes could be different due to many factors.

[2]Units of measure (AF, CCF, MG) must remain consistent.

[3]When opting to provide other than monthly volumes (bi-monthly, quarterly, or annual), please see directions on entering data for Projected Water Supplies in the Table Instructions.

Optional (for comparison purposes)	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
eAR Reported Total Water Supplies													**0**

	= Auto calculated
	= From prior tables
	= For manual input

Table 4(P): Potable Water Shortage Assessment[1]	Start Year: 2026					Volumetric Unit Used[2]:					AF		
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun[3]	Total
Anticipated Unconstrained Demand	855.2	855.2	855.2	855.2	855.2	855.2	855.2	855.2	855.2	855.2	855.2	855.2	10262.28
Anticipated Total Water Supply	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	2373.3	28479.60
Surplus/Shortage w/o WSCP Action	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	1,518.1	18,217.3
% Surplus/Shortage w/o WSCP Action	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%
State Standard Shortage Level	0	0	0	0	0	0	0	0	0	0	0	0	0
Planned WSCP Actions[4]													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	18217.3
% Revised Surplus/Shortage with WSCP	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%	178%

[1]Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.

[2]Units of measure (AF, CCF, MG) must remain consistent.

[3]When optional monthly volumes aren't provided, verify Tables 2 and 3 use the same columns for data entry and are reflected properly in Table 4 and make sure to use those same columns to enter the benefits from Planned WSCP Actions. Please see directions on the shortage balancing exercise in the Table Instructions. If a shortage is projected, the supplier is highly recommended to perform a monthly analysis to more accurately identify the time of shortage.

[4]If you enter any WSCP Benefits, then you must enter the corresponding planned Actions into Table 5.

	= Auto calculated
	= From prior tables
	= For manual input

Table 4(NP): Non-Potable Water Shortage Assessment[1]	Start Year: 2026					Volumetric Unit Used[2]:					AF		
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun[3]	Total
Anticipated Unconstrained Demand: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Anticipated Total Water Supply: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Surplus/Shortage w/o WSCP Action: Non-Potable	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Surplus/Shortage w/o WSCP Action: Non-Potable													
Planned WSCP Actions[4]													
Benefit from WSCP: Supply Augmentation													0.0
Benefit from WSCP: Demand Reduction													0.0
Revised Surplus/Shortage with WSCP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% Revised Surplus/Shortage with WSCP													

[1]Assessments are based on best available data at time of submitting the report and actual volumes could be different due to many factors.

[2]Units of measure (AF, CCF, MG) must remain consistent.

[3]When optional monthly volumes aren't provided, verify Tables 2 and 3 use the same columns for data entry and are reflected properly in Table 4 and make sure to use those same columns to enter the benefits from Planned WSCP Actions. Please see directions on the shortage balancing exercise in the Table Instructions. If a shortage is projected, the supplier is highly recommended to perform a monthly analysis to more accurately identify the time of shortage.

[4]If you enter any WSCP Benefits, then you must enter the corresponding planned Actions into Table 5.

Table 5: Planned Water Shortage Response Actions			July 1, 2026		to June 30, 2027	
Anticipated Shortage Level Drop-down List of **State Standard Levels** (1 - 6) and Level 0 (No Shortage)	**ACTIONS[1]: Demand Reduction, Supply Augmentation, and Other Actions. (Drop-down List)** These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.	Is action already being implemented? **(Y/N)**	How much is action going to reduce the shortage gap? **(Optional)**		When is shortage response action anticipated to be implemented[2]?	
			Enter Amount	*(Drop-down List) Select % or Volume Unit*	*Start Month*	*End Month*
Add additional rows as needed						
0 (No Shortage)	No Actions	Yes				
NOTES: Notes Section to be used only for clarifying details, and not for listing specific actions. Actions must be entred into table rows above						

[1]If you plan Supply Augmentation Actions then you must enter WSCP Benefits from Supply Augmentation Actions into Table 4. If you plan Demand Reduction Actions then you must enter WSCP Benefits from Demand Reduction Actions into Table 4.

[2]If an Action is planned to be implemented in multiple non-contiguous periods of the year, please make separate entries on multiple rows for the same action spanning the different implementation periods.

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 5.1

ITEM: Public Hearing and Adoption — Resolution 2026-04- 2025 Urban Water Management Plan

PRESENTED BY: Annmarie Behan, Associate Engineer

TYPE of ITEM: ACTION

TYPE of ACTION: Roll Call Vote

Recommendation

Staff recommend the Board of Directors: (1) open the public hearing on the 2025 Urban Water Management Plan (UWMP); (2) receive public comments; (3) close the public hearing; and (4) adopt Resolution No. 2026-04, adopting the 2025 Urban Water Management Plan and Water Shortage Contingency Plan, authorizing submission to the California Department of Water Resources (DWR) no later than July 1, 2026 and to any city or county within which the District provides water supplies, within 30 days of adoption.

Discussion

Background

The Urban Water Management Planning Act of 1983 (California Water Code Division 6, Part 2.6, Sections 10610–10656), as amended, requires urban water suppliers to prepare and submit an Urban Water Management Plan (UWMP) to the California Department of Water Resources every five years. The Water Code further requires that a Water Shortage Contingency Plan (WSCP) be included in and adopted as part of the UWMP (California Water Code §10632). The District's WSCP adopted as part of the 2020 UWMP cycle is carried forward and incorporated as Appendix G of the 2025 UWMP.

HBMWD qualifies as an urban water supplier as defined by the Act, providing wholesale potable water to its seven municipal wholesale customers in amounts exceeding 3,000 acre-feet annually. HBMWD last adopted a UWMP for the 2020 cycle, submitted to DWR in June 2021. The 2025 UWMP must be adopted and submitted to DWR no later than July 1, 2026.

The 2025 UWMP describes HBMWD's water supplies, demand projections, supply reliability analysis, and conservation programs over a 20-year planning horizon through 2045. The WSCP, incorporated as Appendix G of the UWMP, establishes a five-stage shortage response framework and identifies response actions the District may implement during shortage conditions.

Statutory Requirements

Preparation and adoption of the 2025 UWMP is governed by the following statutory provisions:

1. California Water Code §10642 — Requires the urban water supplier to make both the UWMP and WSCP available for public inspection, hold a public hearing, and publish notice pursuant to Government Code §6066 prior to adoption.
2. Government Code §6066 — Requires publication of the public hearing notice once a week for two successive weeks in a newspaper of general circulation within the District's jurisdiction, with at least five days intervening between publication dates.
3. California Water Code §10621 — Requires the urban water supplier to notify any city or county within which it provides water supplies at least 60 days prior to the public hearing.
4. California Water Code §10644 — Requires submission of the adopted UWMP to DWR and to any city or county within which HBMWD provides water within 30 days of adoption.

Public Notice and Hearing Compliance

HBMWD has fulfilled the statutory notice and public review requirements as follows:

1. 60-day agency notification (CWC §10621): Written notice provided to City of Arcata, City of Eureka, City of Blue Lake, Fieldbrook-Glendale Community Services District (CSD), Humboldt CSD, Manila CSD, McKinleyville CSD, Humboldt County Public Works, and Humboldt County Planning Department on February 4, 2026.
2. Public hearing notice — first publication (Gov. Code §6066): Eureka Times Standard, May 10, 2026.
3. Public hearing notice — second publication (Gov. Code §6066): Eureka Times Standard, May 17, 2026.
4. Plan availability: Draft 2025 UWMP and WSCP made available for public inspection at the District office, May 10, 2026.
5. Public hearing: June 11, 2026 — this meeting.

2025 UWMP Summary

As a wholesale-only urban water supplier, HBMWD's 2025 UWMP addresses the applicable wholesale supplier requirements of the Urban Water Management Planning Act. Key elements include:

1. Water Supply Sources — Description of HBMWD's water diversions and treated water delivery, including supply reliability under normal, single-dry, and multiple-dry year conditions through 2045.
2. Demand Projections — Wholesale demand projections for HBMWD's seven municipal wholesale customers through the 20-year planning horizon, based on historical use patterns and customer service area growth.
3. Water Use Efficiency — Assessment of HBMWD's present and proposed measures, programs, and policies to support achievement of urban water use efficiency goals under the Water

Conservation Act of 2009 (SBX7-7) and the Making Water Conservation a California Way of Life Act (SB 606 and AB 1668 of 2018).

4. Drought Risk Assessment — A five-consecutive-dry-year reliability assessment covering the period 2026–2030, as required under the amended Act.
5. Water Shortage Contingency Plan — Five site-specific drought action stages based on Ruth Lake reservoir operating levels, cross-referenced to the six standardized shortage levels required for statewide reporting under CWC §10632(a)(3) (see WSCP Summary below).

Water Shortage Contingency Plan Summary

The District's WSCP adopted as part of the 2020 UWMP cycle, originally adopted as part of the 2020 UWMP, is carried forward without revision as Appendix G of the 2025 UWMP in accordance with California Water Code §10632. The WSCP establishes five drought action stages tied to Ruth Lake reservoir levels and corresponding percent supply reduction thresholds (up to 10%, 20%, 30%, 40%, and 50% shortage), cross-referenced to the six standardized shortage levels as permitted under CWC §10632(b). Response actions at each stage address operational changes, demand reduction, and coordination with wholesale customers.

The WSCP also addresses HBMWD's annual water supply and demand assessment reporting obligations under Water Code §10632.1, which requires submission of an annual report to DWR by July 1 of each year.

California Water Code §10642 requires that both the UWMP and the WSCP be made available for public inspection and that a public hearing be held on both documents prior to adoption. The public hearing in this Board meeting satisfies that requirement for both plans.

Post-Adoption Requirements

Following Board adoption of Resolution 2026-04, Staff will complete the following actions within the required timeframes:

1. Submit the adopted 2025 UWMP and WSCP to DWR via the WUEdata Portal no later than July 1, 2026.
2. Provide copies of the adopted plan to the City of Arcata, City of Blue Lake, City of Eureka, Fieldbrook Glendale CSD, Humboldt CSD, Manila CSD, McKinleyville CSD, Humboldt County, and the California State Library within 30 days of adoption per Water Code §10644.
3. Retain documentation of the public hearing, proof of publication, agency transmittal correspondence, and adopted resolution in HBMWD's compliance records.

Alternatives

Failure to adopt and submit the 2025 UWMP and WSCP by July 1, 2026 would place the District in non-compliance with California Water Code §10642 and jeopardize HBMWD's eligibility for state water grants and loans per California Water Code §10656.

Fiscal Analysis

Adoption of the 2025 UWMP and WSCP has no direct fiscal impact. Costs associated with plan preparation were absorbed within the existing Staff and consulting budget.

Environmental Requirements

Adoption of the 2025 UWMP and WSCP is statutorily exempt from CEQA pursuant to California Water Code §10652.

Exhibits/Attachments

Attachment A	Draft Resolution No. 2026-04: Resolution of the Board of Directors of the Humboldt Bay Municipal Water District Adopting the 2025 Urban Water Management Plan and Water Shortage Contingency Plan
Attachment B	Draft 2025 Urban Water Management Plan (including Water Shortage Contingency Plan)
Attachment C	Proof of Publication (Government Code §6066)
Attachment D	Agency Notification Letter

RESOLUTION NO. 2026-04

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE HUMBOLDT BAY MUNICIPAL WATER DISTRICT ADOPTING THE DISTRICT'S 2025 URBAN WATER MANAGEMENT PLAN AND WATER SHORTAGE CONTINGENCY PLAN

WHEREAS, the Urban Water Management Planning Act of 1983, as amended (California Water Code Division 6, Part 2.6) requires the preparation and submission to the California Department of Water Resources of an Urban Water Management Plan by all water suppliers that qualify as urban water suppliers as defined by the act; and

WHEREAS, the Humboldt Bay Municipal Water District qualifies as an urban water supplier as defined by the Urban Water Management Planning Act; and

WHEREAS, the Urban Water Management Planning Act, as amended, requires urban wholesale water suppliers to include in their Urban Water Management Plans an assessment of present and proposed future measures, programs, and policies to support achievement of urban water use efficiency goals established under the Water Conservation Act of 2009 (SBX7-7) and the Making Water Conservation a California Way of Life Act (Senate Bill 606 and Assembly Bill 1668 of 2018); and

WHEREAS, the Urban Water Management Planning Act requires the submission of Urban Water Management Plans in years ending in 5 and 0; and

WHEREAS, the Humboldt Bay Municipal Water District last prepared and submitted an Urban Water Management Plan in 2020; and

WHEREAS, the 2025 Urban Water Management Plan and Water Shortage Contingency Plan must be adopted by July 1, 2026, after public review and hearing, and filed with the Department of Water Resources within 30 days of adoption; and

WHEREAS, the Urban Water Management Planning Act, as amended, requires the urban water supplier to include a Water Shortage Contingency Plan in and adopt it as part of the Urban Water Management Plan (California Water Code §10632), and to make both Plans available for public inspection and subject to public hearing prior to adoption (California Water Code §10642); and

WHEREAS, the Humboldt Bay Municipal Water District has therefore prepared and made available for public review a draft of the 2025 Urban Water Management Plan, incorporating the District's Water Shortage Contingency Plan adopted as part of the 2020 UWMP cycle (carried forward pursuant to California Water Code §10632(b)) as Chapter 8, and a properly noticed public hearing regarding both Plans was held by the Board of Directors on June 11, 2026.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Humboldt Bay Municipal Water District adopts the 2025 Urban Water Management Plan and Water Shortage Contingency Plan and authorizes their submission to the California Department of Water Resources and to any city or county within which the District provides water supplies, within 30 days of adoption.

PASSED and ADOPTED by the Board of Directors of the Humboldt Bay Municipal Water District this 11th day of June, 2026, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____

Michelle Fuller, President

ATTEST:

_____

Contessa Dickson, Board Secretary

2025 URBAN WATER MANAGEMENT PLAN

FOR

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 SEVENTH STREET
EUREKA, CA 95501

June 2026

Prepared With the Assistance of
Orrin Plocher

Freshwater Environmental Services

78 Sunny Brae Center
Arcata, California 95521
Phone (707) 839-0091

TABLE OF CONTENTS

LIST OF TABLES

TABLE 10-1W Wholesale: Notification to Cities and Counties

LIST OF FIGURES

LIST OF APPENDICES

1.0 URBAN WATER MANAGEMENT PLAN INTRODUCTION AND LAY DESCRIPTION

This Urban Water Management Plan (UWMP) has been prepared for the Humboldt Bay Municipal Water District (HBMWD or District) in accordance with the California Urban Water Management Planning Act of 1983 (AB 797) (UWMP Act) as amended, including amendments made per the Water Conservation Bill of 2009 (SBX7-7). In addition, the 2025 UWMP Guidebook was utilized in the preparation of the District's 2025 UWMP. The overall intent of the UWMP is to provide long-term water supply and resource planning. The 2025 UWMP describes the District's water supplies and demands, as well as conservation efforts. The District's 2025 UWMP relies upon its knowledge and ability to consider the unique circumstances of our water agency. This Plan contains all information required by the California Water Code, Division 6, Part 2.6. This is the fourth such plan prepared by the District. The last plan was submitted in June 2021.

The data used for preparing this report comes primarily from the District's operational records. Figures relating to watershed runoff were obtained from the United States Geological Survey (USGS). Current and projected population figures for Humboldt County (County) are based on data from the California Department of Finance (DOF) with guidance from the Humboldt County Planning Department (HCPD). In some sections, tables of information suggested in the Department of Water Resources (DWR) 2025 UWMP Guidebook (Guidebook) are not applicable to the District. A majority of the tables from the Guidebook have been incorporated into this UWMP to help DWR's review process, even if they are not applicable to the District. The UWMP Checklist has also been included in Appendix A to support DWR's review process.

1.1 Urban Water Management Planning Act of 1983

The UWMP Act requires water agencies to develop Urban Water Management Plans (UWMPs). The UWMPs provide a framework for long term water planning and informs the public of a supplier's plans for long-term resource planning that ensures adequate water supplies for existing and future demands. The California Water Code (CWC) requires urban water suppliers to report, describe, and evaluate;

- Water deliveries and uses;
- Water supply sources;
- Efficient water uses;
- Demand management measures; and
- Water shortage contingency planning.

1.2 Water Conservation Act of 2009 (SB X7-7)

The Water Conservation Act of 2009 requires retail urban water suppliers to report the following in their UWMPs:

- Baseline gallons per capita per day (GPCD);
- 2015 Interim Urban Water Use Target;
- 2020 Urban Water Use Target; and
- Compliance Daily per Capita Water Use.

1.3 Lay Description

The District is located in Humboldt County and serves the greater Humboldt Bay region (Figure 1). The District was established in 1956 to provide municipal and industrial water for the area. The District's service area includes the most heavily populated and developed parts of the County. The District operates a regional water system and provides service at the wholesale

level. Since the early 1960s, the District has reliably supplied water to customers in the greater Humboldt Bay area of Humboldt County, California. The District provides treated, potable water for domestic and business use to seven municipalities (wholesale customers), as well as approximately 200 retail customers. Previously, the District also provided untreated surface water to two large industrial customers (pulp mills). One of the pulp mills closed down in the 1990s and the other pulp mill ceased operation in 2009. This change significantly reduced the water demand for the District. A significant investment would be necessary to utilize the industrial water system. The District does not have plans or initiatives to provide industrial water.

As a result of these changes in customers and water demand, the District now has more than enough water supply to serve existing and future customers, even during drought years. The District's only source of water, Ruth Lake Reservoir, has filled multiple times during record drought years and supplies a consistent, reliable source of water, reducing challenges to water supply availability. As noted in sections below, the District is evaluating options for the use of this additional water supply, including expansion of demand within its service territory, transfers to other users and dedication of portions of its water rights to instream flow enhancement. In 2029 the Water Rights permits are scheduled to be reevaluated. Currently, the outcome is uncertain.

2.0 URBAN WATER MANAGEMENT PLAN PREPARATION

2.1 Basis for Preparing a Plan

Requirement: *"Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems (CWC 10617).*

According to the UWMP Act, all water suppliers with more than 3,000 connections or distributing more than 3,000 acre-feet per year (AFY) of water shall complete an UWMP every five years ending in '5' and '0.' HBMWD is an urban water supplier and is preparing this Urban Water Management Plan pursuant to CWC 10617 et seq. HBMWD supplies more than 3,000 acre-feet per year of potable water to seven retail water suppliers and is preparing this update under the category of a wholesale water supplier. HBMWD is required to provide this update to its UWMP by July 1, 2026.

2.1.1 Suppliers With Both Wholesale and Retail Sales

The District provides treated, potable water for domestic and business use to seven municipalities (wholesale customers), as well as approximately 200 retail customers. HBMWD meets the definition of a Wholesaler.

2.1.2 Public Water Systems

HBMWD collaborates closely with Humbold County Public Works and the seven municipalities (wholesale customers).

2.2 Individual or Regional Plan

HBMWD is preparing an individual plan, and although coordinating with other regional agencies, HBMWD is not preparing a region plan. (Table 2-2)

2.2.1 Regional Reporting

Although HBMWD collaborates closely with its seven wholesale water supply customers, HBMWD is not preparing a regional Report.

2.3 Fiscal or Calendar Year and Units of Measure

HBMWD has prepared this UWMP using calendar year data. The typical units of measure in this UWMP are acre-feet (Table 2-3).

2.4 Coordination and Outreach

Requirement: *An urban water supplier that relies upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water*

supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c). (CWC 10631).

The District collaborated with multiple local and stakeholder agencies in preparation of this UWMP. This effort was conducted to inform the agencies of the planning activities of the District, to gather quality data for use in this UWMP, and to coordinate with other regional plans and initiatives. To that end, the District worked with its four larger municipal customers that are Urban Water Suppliers as defined by the Urban Water Management Plan Act: City of Arcata, City of Eureka, Humboldt Community Services District, and McKinleyville Community Services District. The District provided assistance and information needed by these agencies for the preparation of their UWMPs and they reciprocated. Monthly meetings were conducted from March 2026 through May 2026 between the District and these agencies, which were called 2025 UWMP Working Group Meetings. Appendix B shows a sample Work Group Meeting Agenda and signup sheet. All seven of the District's wholesale customers will be provided with copies of the District's adopted 2025 UWMP.

2.4.1 Wholesale and Retail Coordination

Requirement: *Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable. (CWC 10620 (d)(2)).*

HBMWD collaborates closely with its seven wholesale water supply customers, meeting with them monthly to address water quality and supply regulatory requirements, operational and infrastructure replacement needs, and funding needs. During these meetings UWMP data is exchanged between the District and the retail agencies.

2.4.2 Coordination with Other Agencies and the Community

HBMWD collaborates closely with Humboldt County Planning Department.

2.4.3 Notice to Cities and Counties

Requirement*: Every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days before the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. (CWC 10621 (b)).*

In addition to the above coordination efforts, notification was provided to local city and county, land-use planning agencies prior to the UWMP public hearing that the District was in the process of reviewing and updating its UWMP. Appendix C contains a copy of the Notification letter sent to the agencies, 60-days prior to the public hearing, listed below;

- Humboldt County Planning Department;
- City of Arcata;
- City of Eureka;
- Humboldt CSD;
- McKinleyville CSD;
- City of Blue Lake;

- Fieldbrook-Glendale CSD; and
- Manila CSD.

2.5 Submittal Tables

Submittal Table 2-2: Plan Identification		
Select One	**Type of Plan**	**Name of Regional Alliance or RUWMP** (Drop Down List)
☑	**Individual UWMP**	
	If Water Supplier is also a member of a SB X7-7 Regional Alliance, select name from the drop-down.	
☐	**Regional Urban Water Management Plan (RUWMP)**	
	If Supplier selected RUWMP, select name from the drop-down.	
NOTES:		

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
☑	Supplier is a wholesale supplier
☐	Supplier is a retail supplier
Fiscal or Calendar Year (select one)	
☑	UWMP Tables are in calendar years
☐	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP (Select from the drop down list).	
Unit	AF
DWR NOTES: **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Submittal Table 2-3.	
NOTES:	

Submittal Table 2-4 Wholesale: Water Supplier Information Exchange Water Code Section 10631(h)	
☐	Check the box if the Supplier has informed more than 10 other water suppliers of water supplies available. **Completion of the table below is optional. If not completed, include a list of the water suppliers that were informed.**
	Provide page number for location of the list.
☑	Check the box if the Supplier has informed 10 or fewer other water suppliers of water supplies available. **Complete the table below.**
Water Supplier Name	
Add additional rows as needed	
Humboldt County Planning Dept	
City of Arcata	
City of Eureka	
Humboldt CSD	
McKinleyville CSD	
City of Blue Lake	
Fieldbrook-Glendale CSD	
Manila CSD	

3.0 SERVICE AREA DESCRIPTION

This Section includes a description of the District's service area, climate, Public Water System, and City organizational structure and history.

3.1 General Description

***Requirement**: Describe the service area of the supplier. (CWC 10631 (b)).*

HBMWD operates a domestic water system which supplies treated drinking water. HBMWD's system consists of the following facilities:

- R. W. Matthews Dam which forms Ruth Lake Reservoir (Ruth Lake, Ruth Reservoir) in southern Trinity County;
- Gosselin Hydro-Electric Power House at R.W. Matthews Dam;
- Diversion, pumping, and control facilities adjacent to the Mad River near Essex at the John R. Winzler Operations and Control Center;
- Storage and treatment facilities; and
- The distinct pipeline systems which deliver treated drinking water to HBMWD's customers.

R. W. Matthews Dam impounds runoff from the upper quarter of the Mad River basin, an area of approximately 121 square miles. The capacity of Ruth Reservoir, impounded by R.W. Matthews Dam, is approximately 48,030 acre-feet.

A portion of the water stored in Ruth Lake is released each summer and fall to satisfy HBMWD's downstream diversion requirements, as well as maintain minimum bypass flow requirements in the Mad River below Essex. Although HBMWD impounds water at Ruth Lake and diverts water at Essex, the operations do not significantly affect the natural flow regime in the Mad River. There are several reasons for this that are described as follows.

The total volume of water impounded and diverted by HBMWD represents a small percentage of the natural yield of the Mad River watershed. The Mad River's average annual discharge into the Pacific Ocean is approximately 992,378 AF (1951-2025, Mad R NR Arcata CA - USGS-1148100). Ruth Reservoir, in its entirety, represents approximately 4.8% of the total average annual runoff from the Mad River basin. The total approximately 48,030 AF capacity of Ruth Reservoir is not drawn down each year, so the amount of winter-season runoff captured in the reservoir is yet a smaller percentage of the total runoff. With respect to diversions, the current withdrawal rate at Essex averages 8 million gallons per day (approximately 10,761 AF per year), which is only approximately 1% of the total annual average runoff of the Mad River watershed and only 1/3 of the lowest recorded inflow into Ruth Reservoir of approximately 33,390 AFY (2001).

This diversion is accomplished by extracting river water from the underlying aquifer via Ranney Collectors. In the winter months, additional filtration is provided by an in-line filtration facility. The full diversion capacity of 75 MGD (84,000 AF per year) is approximately 8% of the total annual average runoff of the watershed. The balance of the capacity above that is diverted via the Ranney Collectors, can be pumped from a screened surface diversion, also at Essex.

3.2 Service Area Boundary Maps

The HBMWD service area boundary is shown in Figure 1.

3.3 Service Area Climate

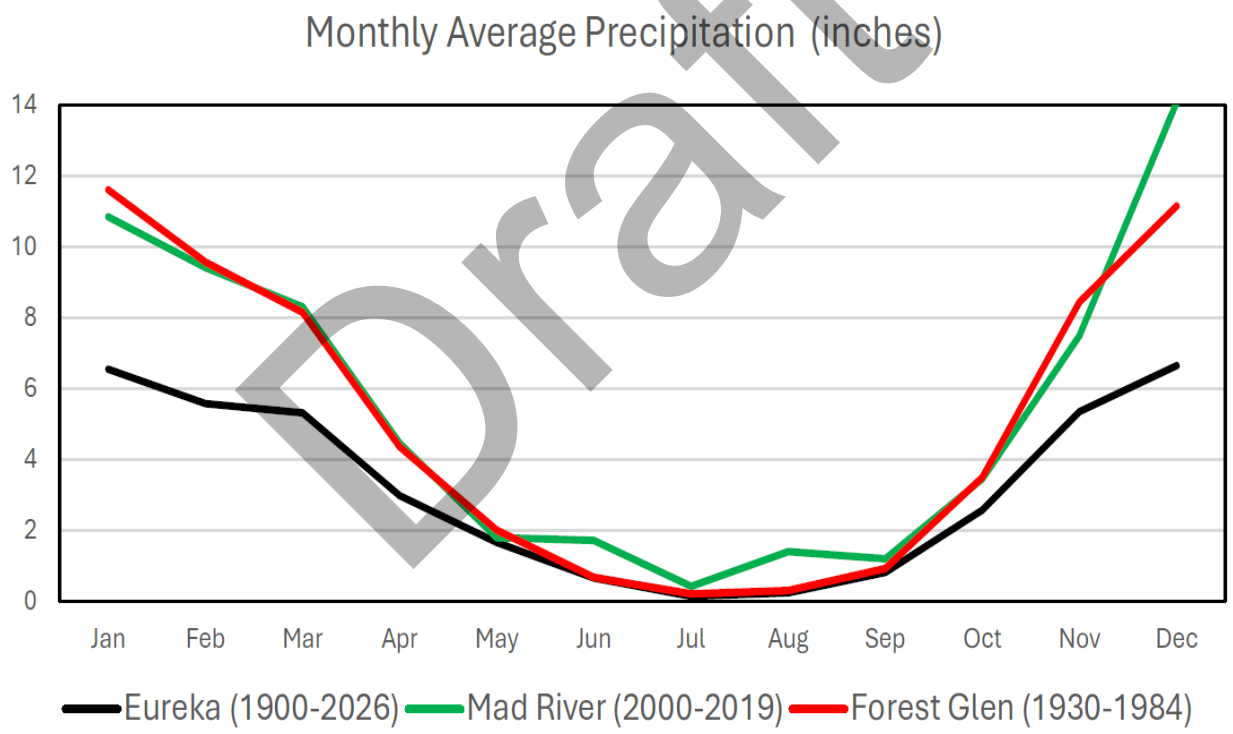
***Requirement**: Describe the service area of the supplier, including… climate…. (CWC 10631 (b)).*

According to the National Oceanic and Atmospheric Administration (NOAA) and the Western Regional Climate Center (WRCC), Humboldt and Trinity County's watersheds receive high annual rainfall. Mad River and Forest Glen weather stations are the closest sources of weather data near Ruth Reservoir. Below are the average precipitations that characterize the climates in Eureka and at Ruth Lake.

Average Annual Precipitation (inches)

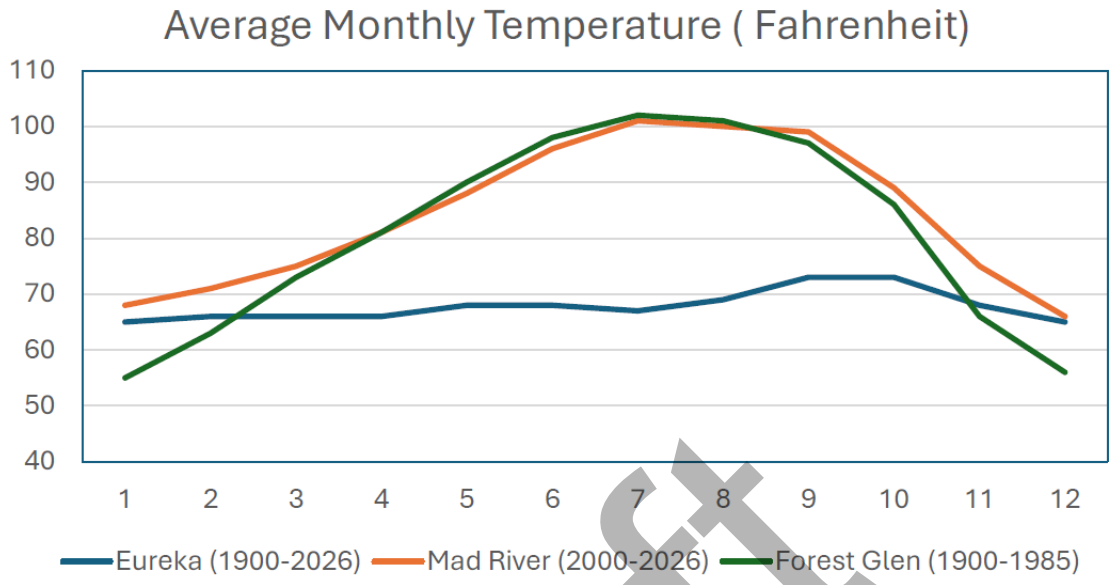
Eureka (1900-2026)	38.32
Mad River (2000-2019)	62.89
Forest Glen (1930-1984)	53.68

Average monthly precipitation data for Eureka, Mad River, and Forest Glen are shown in the graph below:



The above graph shows that the area near Ruth Lake Reservoir receives approximately twice the average precipitation in the wet season compared to Eureka.

Average monthly temperature for Eureka and the area near Ruth Lake is shown in the graph below:



Average monthly temperatures at Eureka range between 65°F to 75°F while average monthly temperatures near the Ruth Lake (Mad River and Forest Glen) are between 55°F to 100°F.

3.4 Service Area Population and Demographics

***Requirement**: Describe the service area of the supplier, including current and projected population …The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available . (CWC 10631).*

3.4.1 Service Area Population

The District used data from the US Census for Humboldt County population on census years and was combined with Humboldt County GIS census block data analysis to determine the HBMWD service area population as a percentage of the entire County. The result indicated that in 2020 the District's service area population was approximately 67.59% of the population of Humboldt County. Additional results from the GIS analysis indicate that in 2024 HBMWD service population was approximately 72% of the County population. Between the benchmark data points, population growth rate was proportioned.

The California Department of Finance (DOF) created a database with individual files for each county in the State containing population data. DOF provided estimated population projections served by the District (Table 3-1W). The current data has population projections for the year 2020 and population projections up to the year 2045. Humboldt County's population projection through 2045 was taken from this database and used to project the population of HBMWD.

Total Population Projections for California Counties, July 1 2025-2045

	2025	2030	2035	2040	2045
Humboldt County	132,257	140,919	139,623	138,307	137,035
HBMWD	**94,963**	**94,409**	**93,541**	**92,680**	**91,828**
Annual % Change	-0.10%	-0.18%	-0.18%	-0.18%	-0.18%

Projections Prepared by Demographic Research Unit, California Department of Finance, September 2025

3.4.2 Other Social, Economic, and Demographic Factors

***Requirement**: Describe the service area of the supplier, including other demographic factors affecting the supplier's water management planning. (CWC 10631).*

Age distribution, income levels, and household size can affect water consumption patterns. U.S. Census Bureau QuickFacts: Humboldt County, California indicate:

Persons under the age of 5	4.4%
Persons under the age of 18	18.2%
Persons over the age of 65	21.0%
Median household income	$61,160
Per Capita Income	$36,080
Persons living in poverty	18.0%
Persons per household	2.37

3.5 Land Use within Service Area

Urban land use is concentrated in cities like Eureka and Arcata, which serve as hubs for residential, commercial, and governmental activities. Coastal zones include protected habitats, recreational areas, and small fishing communities. Additionally, large portions of the county are dedicated to parks, wildlife reserves, and public lands, supporting outdoor recreation and environmental preservation.

3.6 Submittal Tables

Submittal Table 3-1 Wholesale: Population - Current and Projected Water Code Section 10631(a)						
Population Served	2025	2030	2035	2040	2045	2050(opt)
	94,963	94,409	93,541	92,680	91,828	
NOTES: Data from the California Department of Finance (DOF) to determine the estimated population served by the District. Staff at the Humboldt County Planning determine the						

4.0 WATER USE CHARACTERIZATION

This Section describes and quantifies the current and projected water uses within the Districts service area.

4.1 Non-Potable Versus Potable Water Use

The District provides treated, potable water for domestic and business use to seven municipalities (wholesale customers), as well as approximately 200 retail customers. From the early 1960s to the 1990s, the District also provided untreated (non-potable) surface water to two industrial customers (pulp mills). . One of the pulp mills closed down in the 1990s and the other pulp mill ceased operation in 2009. This change significantly reduced the water demand for the District. A significant investment would be necessary to utilize the industrial water system. The District does not have plans or initiatives to provide industrial water.

4.2 Past, Current, and Projected Water Use by Sector

Water Code Section 10631(d) does not require Wholesale Suppliers to report quantities of past, current, or projected water uses by sector in their UWMP;

4.2.1 Water-Use Sectors Listed in Water Code

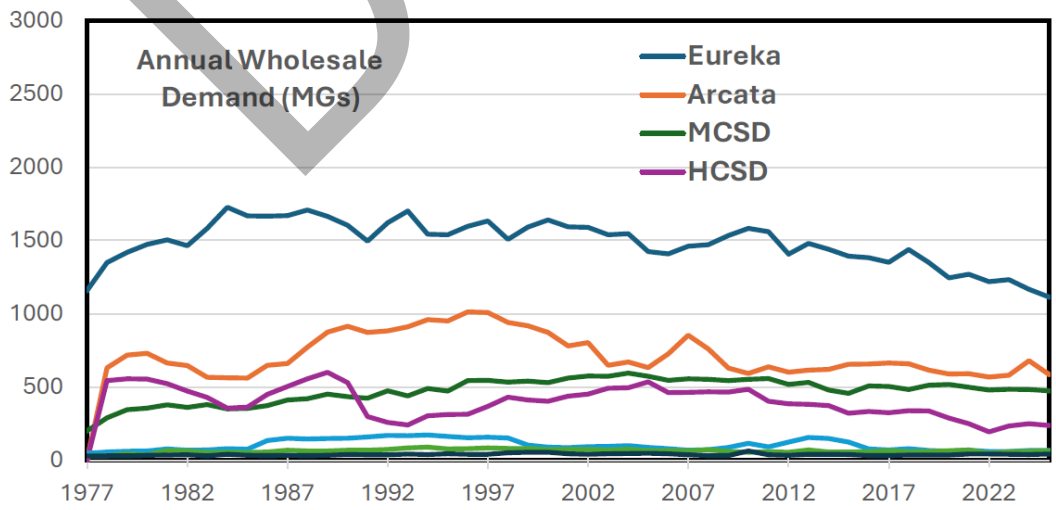
Wholesale Suppliers are not required to report water use by sector.

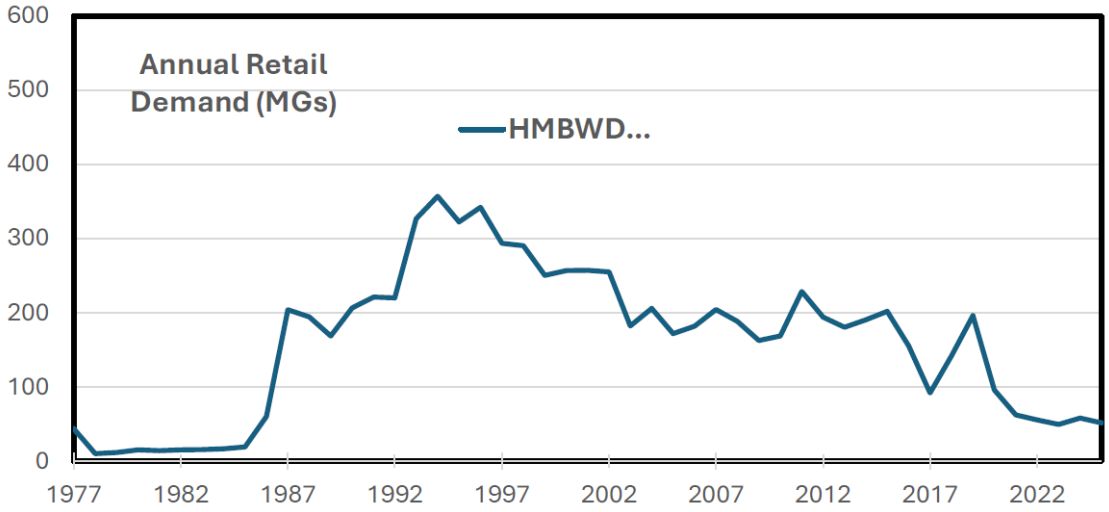
4.2.2 Optional Water-Use Sectors in Addition to Those Listed in Water Code

Wholesale Suppliers are not required to report optional water-use sectors in addition to those listed in Water Code

4.2.3 Past Water Use

Although, Wholesale Suppliers are not required to quantify past water use, past water use is shown in the graphs below:





4.2.4 Current Water Use

Water Code does not require Wholesale Suppliers to report current water use by sector, Water use for 2025 is reported in Table 4-1 W.

4.2.5 Projected Water Use

In accordance with Water Code Section 10635(a), all Suppliers will need to report their projected water use, in five-year increments through 2045.

4.2.6 Water-Use Projections by Sector

Water Code does not require Wholesale Suppliers to project water use by sector. Wholesale Suppliers are encouraged to report water use in Optional Submittal Tables 4-2 W. This information can be used in the Supplier's reliability assessment.

4.2.7 Standards, Codes, Ordinances, and Plans

Water Code does not require Wholesale Suppliers to provide information regarding standards, codes, ordinances, and plans.

4.2.8 Lower-Income Households

The Water Code does not require Wholesale Suppliers to include projections of lower-income household water use. Based on US Census data 2020, 18% of Humboldt County residents live in poverty.

4.2.9 Climate Change Considerations

The August 27, 2018 North Coast Region Report for California's Fourth Climate Change Assessment (pages 19-20) notes that "In the North Coast region, model predictions of annual precipitation fall within the range of historical variation…but trend towards slightly higher (2-16%) precipitation across the region by the end of the century. Recent research indicates that the precipitation variability is likely to increase in the future".

Overall, water supply and demand are projected to have low to moderate vulnerability to climate change in the North Coast region in general, and even less so in the Mad River watershed. The Mad River watershed is rainfall-dominated (little to no snowpack), and annual demand on water supplies available from the watershed are typically well below

10% of mean runoff. As noted in Section 3.3.1, HBMWD has estimated that demand up to 36 MGD (compared to a current annual average usage of 8 MGD) could be met reliably, even if hydrologic conditions similar to the 1976-77 drought occurred.

4.3 Distribution System Water Loss

Water Code Section 10631(d) does not require Wholesale Suppliers to report distribution system water loss in their UWMP.

4.3.1 Previous Five Years Distribution System Losses

Water Code Section 10631(d) does not require Wholesale Suppliers to report previous five-years distribution system water loss in their UWMP.

4.3.2 Progress Toward Meeting the Water Loss Performance Standard

Water Code Section 10631(d) does not require Wholesale Suppliers to report quantities of past, current, or projected water uses by sector in their UWMP.

4.4 Submittal Tables

Optional **Submittal Table 4-1 Wholesale: Total Uses for Potable and Non-Potable Water — Actual**
Water Code Section 10631(d)(1)

Use Type	Additional Description (as needed)	2025 Actual Water Use	
Drop down list May select each use multiple times These are the only use types that will be recognized by the WUEdata online submittal tool		**Potable or Non-Potable** (OPTIONAL) Drop down list	Volume (AF)
Add additional rows as needed			
Sales to other agencies	City of Arcata	Potable	1797
Sales to other agencies	City of Eureka	Potable	3418
Sales to other agencies	Humboldt CSD	Potable	727
Sales to other agencies	McKinleyville CSD	Potable	1456
Sales to other agencies	City of Blue Lake	Potable	202
Sales to other agencies	Fieldbrook-Glendale CSD	Potable	193
Sales to other agencies	Manila CSD	Potable	128
Incidental Retail Use	HBMWD Retail Customers	Potable	158
Distribution System Water Loss	Estimated Loss (20%)	Potable	2,019.75
		Subtotal Potable	10,099
		Subtotal Non-Potable	0
		Total	10,099

DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.

NOTES:

Optional Submittal Table 4-5 Wholesale: Water Loss Audit Reporting Water Code Section 10631(d)(3)(A)		
Public Water System ID #	Reporting Period	Submitted to DWR Water Loss Audit Program (yes/no)
Report submittal status for all five years for each Public Water System as available. Add rows as needed		
DWR NOTES: Suppliers will provide a link to the WUEdata submittals of their Water Loss Audit Reports.		
NOTES: Water Code Section 10631(d) does not require Wholesale Suppliers to report previous five-years distribution system water loss in their UWMP.		

5.0 SB X7-7 BASELINES, 2020 TARGETS, AND 2025 REPORTING

Wholesale Suppliers are not required to calculate baseline, targets, or compliance GPCDs. However, they are required to provide an assessment of their present and proposed future measures, programs, and policies that will help the Retail Suppliers in their wholesale service area to achieve their Targets.

Suppliers that only met the definition of an urban retail water supplier (as defined in Water Code Section 10608.12) after 2020 were not subject to SB X7-7 or UWMP requirements during the 2020 reporting cycle.

5.1 Reporting Requirements for Wholesale Suppliers

Proposed future measures, programs, and policies that will help the Retail Suppliers in HBMWD's service area to achieve their Targets include:

- Monthly meeting with Retailers where water conservation can be discussed;
- Potential for a table at the Humboldt County Fair by HBMWD and Retailer representatives;
- HBMWD will provide technical assistance to retailers on water conservation issues as needed: and
- Regional water conservation activities.

5.2 Reporting Requirements for Retail Suppliers

This section applies to Retail service water agencies only.

5.2.1 Supplier was Not an Urban Retail Water Supplier in 2020

This section applies to Retail service water agencies only.

5.2.2 Supplier Met 2020 Target in 2020

This section applies to Retail service water agencies only.

5.2.3 Supplier Did Not Meet 2020 Target in 2020—No Change to Service Area

This section applies to Retail service water agencies only.

5.2.4 Supplier Did Not Meet 2020 Target-Change to Service Area Since 2020

This section applies to Retail service water agencies only.

5.2.5 Types of Changes to Service Area Since 2020

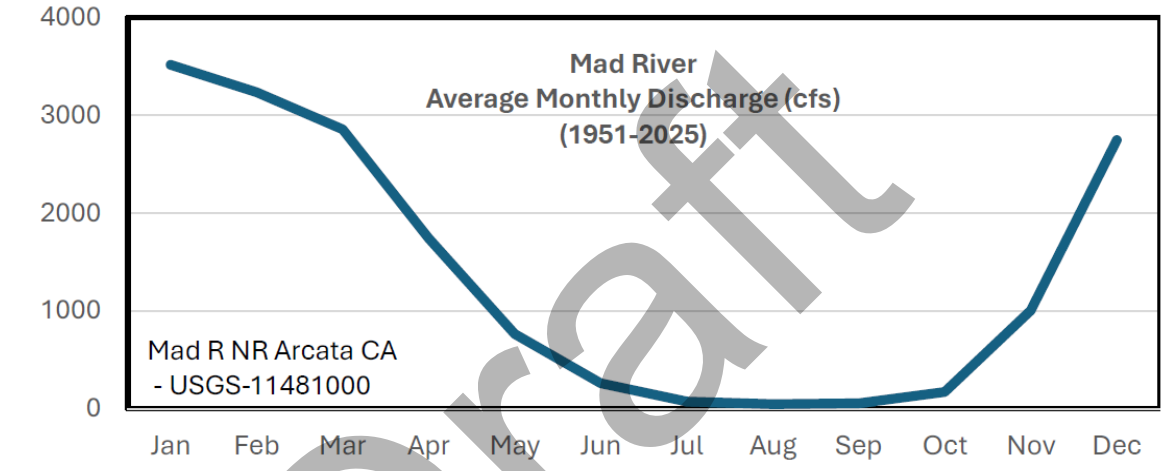
This section applies to Retail service water agencies only.

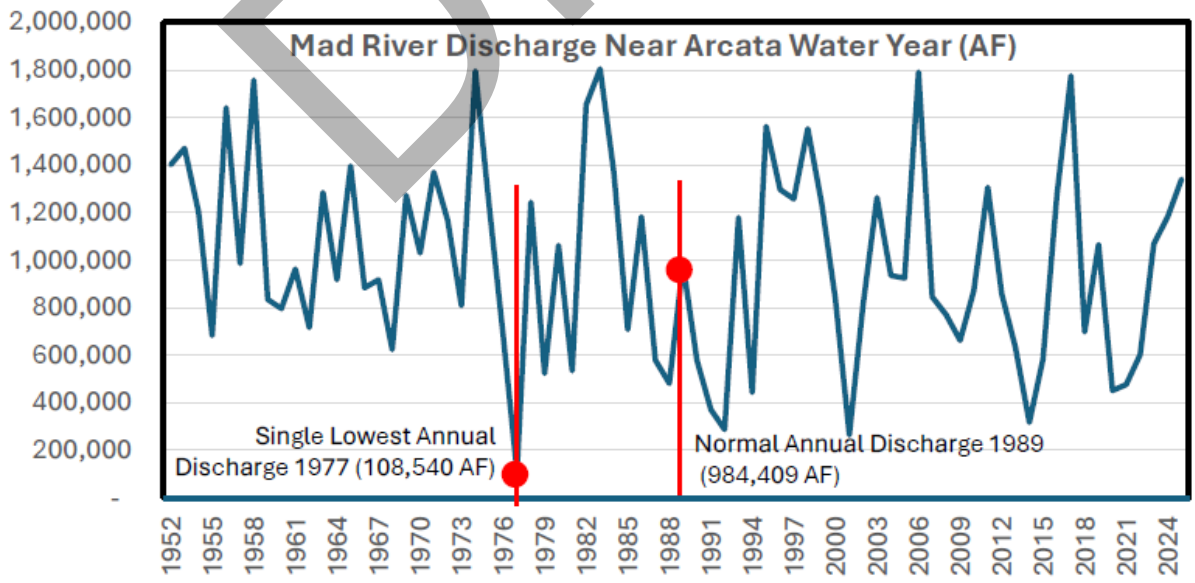
5.2.6 Funding Eligibility

This section applies to Retail service water agencies only.

6.0 NORMAL-YEAR WATER SUPPLY CHARACTERIZATION

During a normal water year, the Ruth Lake area averages 53-63 inches of rainfall (towns of Mad River and Forest Glen). An average of 272,681 AF (over the entire record period from 1981 to 2025) of water flows into the reservoir via the Mad River, and the average runoff for the watershed near the District's diversion facilities at Essex is 992,458 AFY (over the entire record period from 1963 to 2025). The average annual runoff data was provided by USGS at Gage Station 1148100 on the Mad River near Arcata, CA. As shown in Table 7-1 W, the Water Year ending in 1989 was considered an average water year because there was an average runoff for the watershed that year. This Section describes and quantifies the current and projected sources of water available to the agency including supplies from other agencies, surface water, groundwater, recycled water, desalinated water, transfers and exchanges, and any other source water the supplier considers part of its supply portfolio.





6.1 Water Supply Analysis Overview

During a normal water year, the Ruth Lake area averages approximately 65.42 inches of rainfall. Approximately 173,000 AF of water flows into the reservoir via the Mad River, and the average runoff for the watershed near the District's diversion facilities at Essex is 959,071 AFY (over the entire record period from 1963 to 2020). The average annual runoff data was provided by USGS at Gage Station 1148100 on the Mad River near Arcata, CA. As shown in Table 7-1 W, the Water Year ending in 1989 was considered an average water year because the average runoff for the watershed that year was 985,364 AFY, which is closest to the average annual runoff for the watershed as provided. Table 7-2 W shows the normal year supply and demand comparison. During a normal water year, the Ruth Reservoir and Mad River watershed have enough water supply to meet the District's current maximum permitted diversion of 84,000 AFY.

HBMWD is in the process of licensing their water rights permit. The current water rights permit will be renewed in 2029, and the resulting permitted diversion volume is unknown. In a worst-case scenario, the District would only be permitted to divert the total amount currently under contract with the local agencies, plus an estimate for HBMWD retail demand (1,303 AFY), plus an estimated 20% HBMWD system loss (5,696 AFY) for a total of 28,480 AFY. If during a normal year there is enough water supply to meet the District's current maximum permitted diversion of 84,000 AFY, then certainly they will have ample supply for the reduced demand of 28,480 AFY.

6.1.1 Specific Analysis Applicable to All Water Supply Sources

The specific analysis conducted to verify water supply to meet demand during a normal year, single driest year, and 5 driest years is presented in Section 7 of this plan.

6.1.2 Special Considerations

Regulatory uncertainty exists related to the 2029 water rights permit licensing which could result in a decrease in volume of water allowed to be diverted.

6.1.3 Climate Change Effects

Overall, water supply and demand are projected to have low to moderate vulnerability to climate change in the North Coast region in general, and even less so in the Mad River watershed. The Mad River watershed is rainfall-dominated (little to no snowpack), and annual demand on water supplies available from the watershed are typically well below 10% of mean runoff. As noted in Section 3.3.1, HBMWD has estimated that demand up to 36 MGD, compared to a current annual average usage of 8 MGD, could be met reliably, even if hydrologic conditions similar to the 1976-77 drought occur.

6.1.4 Regulatory Conditions and Project Development

Regulatory uncertainty exists related to the 2029 water rights permit licensing which could result in a decrease in volume of water allowed to be diverted.

6.1.5 Other Locally Applicable Criteria

There are no other locally-applicable criteria related to water supply during a normal year.

6.1.6 Wholesale and Retail Suppliers Coordination

HBMWD collaborates closely with its seven wholesale water supply customers, meeting with them regularly to address water quality and supply regulatory requirements, operational and infrastructure replacement needs, and funding needs. During these meetings UWMP data is exchanged between the District and the retail agencies.

6.2 Water Supply Characterization

The following section describes the District's water supply.

6.2.1 Purchased or Imported Water

The source of water distributed by the District is from the Mad River. The R.W. Mathews dam, located in Trinity County, impounds water to form Ruth Reservoir (Figure 2). The Mad River flows from Trinity County into Humboldt County where water is diverted at the District's Essex pumping facility located approximately 75 miles downstream from the dam. The District does not purchase or import water from any other source.

6.2.2 Ground Water

At the District's Essex Operations Center, municipal water is pumped from the aquifer beneath the Mad River by four Ranney wells. The water that is pumped by the Ranney wells is continually recharged by surface water from the Mad River, part of which is released from Ruth Lake pursuant to the District's water rights permits. Therefore, the District does not pump or deliver groundwater and Table 6-1 W is not applicable to the District. Groundwater is not identified as an existing or planned source of water available to the District.

6.2.2.1 Basin Description

Although the District does not pump groundwater, in 2006, the District completed a Groundwater Study of the aquifer in the Essex Reach of the Mad River in the vicinity of the Ranney wells. This study was done to support the District's Capital Improvement Plan, and to better understand the basin hydrology and the interactions between the Ranney wells and the surrounding environment for the projects proposed. The site studied was the Mad River Groundwater Basin which is located in the North Coast Hydrologic Region. This basin is not adjudicated. DWR has determined this Basin to be a low priority classification. It is composed of the Mad River Lowland Subbasin (Basin #1-8.01).

6.2.2.2 Basin Management Information

The Mad River Groundwater Basin is not adjudicated. DWR has determined this Basin to be a low priority classification.

6.2.2.3 Other Considerations

Groundwater is not identified as an existing or planned source of water available to the District.

6.2.2.4 Past Five Years Groundwater Pumping

HBMWD does not use, or plan to use, self-supplied groundwater as part of its water supply. HBMWD utilizes self-supplied surface water for its water supply.

6.2.3 Stormwater

HBMWD does not have jurisdiction over stormwater facilities.

6.2.4 Wastewater and Recycled Water

HBMWD does not have a wastewater treatment plant and does not generate or distribute recycled water.

6.2.4.1 Recycled Water Coordination

HBMWD does not have a wastewater treatment plant and does not generate or distribute recycled water.

6.2.4.2 Wastewater Collection, Treatment, and Disposal

HBMWD does not have a wastewater treatment plant and does not generate or distribute recycled water.

6.2.4.2.1 Wastewater Collected Within the Service Area

HBMWD does not have a wastewater treatment plant and does not generate or distribute recycled water.

6.2.4.2.2 Wastewater Treatment and Discharge

HBMWD does not have a wastewater treatment plant and does not generate or distribute recycled water.

6.2.4.3 Recycled Water System Description

HBMWD does not have a wastewater treatment plant and does not generate or distribute recycled water.

6.2.4.4 Current, Potential, and Projected Recycled Water Uses

HBMWD does not have a wastewater treatment plant and does not have plans, or the potential to generate or distribute recycled water.

6.2.4.4.1 Potential Recycled Water Use

HBMWD does not have a wastewater treatment plant and does not have plans, or the potential to generate or distribute recycled water.

6.2.4.4.2 Projected Recycled Water Use

HBMWD does not have a wastewater treatment plant and does not have plans, or the potential to generate or distribute recycled water.

6.2.4.5 Actions to Encourage and Optimize Future Recycled Water Use

HBMWD does not have a wastewater treatment plant and does not have plans, or the potential to generate or distribute recycled water.

6.2.5 Desalinated Water Opportunities

HBMWD does not have a need to investigate desalination opportunities.

6.2.6 Water Exchanges or Transfers

This section describes any existing, planned, or potential future water exchanges or transfers.

6.2.6.1 Exchanges

The District does not have current and/or planned water supply exchanges.

6.2.6.2 Transfers

The District does not have current and/or planned water supply transfers.

6.2.6.3 Emergency Interties

The City of Eureka maintains interties with HCSD which owns and operates groundwater wells. If an emergency shut down event on HBMWD's distribution system occurs, HCSD can use these interties to supply water to the regional distribution system and to other regional water suppliers. HCSD is in the process of upgrading infrastructure to allow more efficient use of the intertie and groundwater sources during water emergencies.

6.2.7 Supply From Storage

The District uses the Ruth Lake Reservoir for storage which is extracted at the Essex facility. No other short-term or long-term storage is used by the District.

6.2.8 Other

There are no other water exchanges or transfers to discuss.

6.2.9 Future Water Projects

As previously discussed, the District has an abundance of water to supply its customers. This abundance of water will be available to the District in average, single-dry, and multiple-dry water years, as will be discussed in the following sections. Therefore, no new water supply projects that create a *new source of supply* are planned or deemed necessary at this time. Table 6-7 W (Expected Future Water Supply Projects or Programs) is not applicable.

6.3 Energy Use

Energy use information for the District is not readily available and is not reported in this plan.

6.4 Submittal Tables

Submittal Table 6-1 Wholesale: Groundwater Volume Pumped							
☑	Check the box if the Supplier does not pump groundwater.						
☐	Check the box if all or part of the groundwater described below is desalinated. (OPTIONAL)						
Groundwater Type **Drop Down List** May use each category multiple times	Potable or Non-Potable (OPTIONAL) Drop down list	Location or Basin Name	2021 (AF)	2022 (AF)	2023 (AF)	2024 (AF)	2025 (AF)
Add additional rows as needed							
		Total	0	0	0	0	0
DWR NOTES:							
NOTES:							

Submittal Table 6-3 Wholesale: Wastewater Treatment and Discharge Within Service Area
Water Code Section 10633(b)

☑ Check the box if the Wholesale Supplier neither distributes nor provides supplemental treatment to recycled water. Proceed to the next table.

Wastewater Treatment Plant Name and Place ID Number (Drop down list)	Does This Plant Treat Wastewater Generated Outside the UWMP Service Area? (OPTIONAL) (Drop down list)	2025 Volume of Wastewater Received from UWMP Service Area (AF)	Total 2025 Volume of Water Treated (AF)	2025 Outcomes of Treated Wastewater										
				Water Recycled Within UWMP Service Area (enter data as applicable)		Water Recycled Outside of UWMP Service Area (enter data as applicable)		Effluent Discharge that is not a Permitted Recycled Water Use (enter data as applicable)		Required Discharge for Instream Flow (enter data as applicable)		Delivered to Another Entity for Additional Treatment (enter data as applicable)		
				Treatment Level (Drop down list)	Volume (AF)	Treatment Level (Drop down list)	Volume (AF)	Treatment Level (Drop down list)	Volume (AF)	Treatment Level (Drop down list)	Volume (AF)	Treatment Level (Drop down list)	Volume (AF)	Name of other entity
Add additional rows as needed.														
Total		0	0		0		0		0		0		0	

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.
IPR: Indirect Potable Reuse would have the treatment level of its end use requirement in the Level of Treatment drop-down.
Additional Guidance: See Appendix M, Section M.21 for detailed guidance on this table.

NOTES:

Submittal Table 6-4 Wholesale: Current and Projected Recycled Water Uses
Water Code Section 10633(c),(d),(e)

☑ Check box if recycled water is not used and is not planned for use within the service area of the supplier. The supplier will only complete the column on "Potential Recycled Water Use" and submit an accompanying narrative on the feasibility of that potential recycled water use.

Name(s) of Facility/ies Producing (Treating) the Recycled Water (OPTIONAL) :	
Name of Supplier Operating the Recycled Water Distribution System (OPTIONAL) :	
Volume of Supplemental Water Added in 2025 (OPTIONAL) :	
Source of 2025 Supplemental Water (OPTIONAL) :	

Name of Receiving Supplier or Direct Use by Wholesale Supplier	Potable or Non-Potable (after treatment if treated) (OPTIONAL) Drop down list	Additional Information (as needed)	2025 (AF)	2030 (AF)	2035 (AF)	2040 (AF)	2045 (AF)	2050 (AF)	Potential Recycled Water Use	
									Volume (AF)	Narrative page number (OPTIONAL)
Add additional rows as needed										
		Subtotal Potable	0	0	0	0	0	0	0	
		Subtotal Non-Potable	0	0	0	0	0	0	0	
		Total	0	0	0	0	0	0	0	0

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table reports the unit of measure selected in Submittal Table 2-3.
Additional Guidance: See Appendix M, Section M.21 for detailed guidance on this table.
Potential recycled water use: a description of the feasibility of these uses must be included in the narrative.
Multiple Producers: If you have multiple recycled water producers, submit a separate table for each.

NOTES:

Submittal Table 6-5 Wholesale: 2020 UWMP Recycled Water Use Projection Compared to 2025 Actual Water Code Section 10633(e)		
☑	Check the box if recycled water was not used or distributed by the supplier in 2025, nor projected for use or distribution in 2020. Proceed to the next table.	
Name of Receiving Supplier or Direct Use by Wholesale Supplier	2020 Projection for 2025 (AF)	2025 Actual Use (AF)
Add additional rows as needed		
Total	0	0
DWR NOTES: **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3. **Additional Guidance:** See Appendix M, Section M.21 for detailed guidance on this table.		
NOTES:		

Submittal Table 6-7 Wholesale: Expected Future Water Supply Projects or Programs Water Code Section 10631(f)							
☑	Check the box if there are no expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Proceed to the next table.						
☐	Check the box if some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.						
	Provide page location of narrative in the UWMP						
Name of Future Projects or Programs	Joint Project with other suppliers?		Additional Description (as needed)	Potable or Non-Potable (after treatment if treated) (OPTIONAL) Drop down list	Planned Implementation Year	Planned for Use in Year Type **Drop Down list**	Expected Increase in Water Supply to Supplier (This may be a range) (AF)
	Drop Down List (yes/no)	If Yes, Supplier Name					
Add additional rows as needed							
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure reported in Submittal Table 2-3.							
NOTES:							

Submittal Table 6-8 Wholesale: Water Supplies — Actual
Water Code Section 10631(b)

Water Supply	Additional Description (as needed)	2025		
Drop down list May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool		**Potable or Non-Potable** (after treatment if treated) (OPTIONAL) Drop Down list	Actual Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)
Add additional rows as needed				
Surface water (not desalinated)	Mad River Storage and Diversion	Potable	10,099	
		Subtotal Potable	10,099	0
		Subtotal Non-Potable	0	0
		Total	10,099	0

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.
Total Entitlement: e.g. Water Right, Groundwater Allocation, Contracted Amount.

NOTES: Based on vulume of sales plus an estimated system loss of 20%. System loss is measure from the diversion point to the retailer meters.

Submittal Table 6-9 Wholesale: Water Supplies — Projected
Water Code Section 10631 (b)

Water Supply			Projected Water Supply (Report to the Extent Practicable)									
			2030		2035		2040		2045		2050 (opt)	
Drop down list May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool	Additional Detail on Water Supply	**Potable or Non-Potable** (after treatment if treated) (OPTIONAL) Drop Down list	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)
Add additional rows as needed												
Surface water (not desalinated)	Mad River Storage and	Potable	28,480		28,480		28,480		28,480		28,480	
Subtotal Potable			28,480	0	28,480	0	28,480	0	28,480	0	28,480	0
Subtotal Non-Potable			0	0	0	0	0	0	0	0	0	0
Total			28,480	0	28,480	0	28,480	0	28,480	0	28,480	0

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in a Submittal Table 2-3.
Total Entitlement: e.g. Water Right, Groundwater Allocation, Contracted Amount.
NOTES:

7.0 WATER SERVICE RELIABILITY AND DROUGHT RISK ASSESSMENT

This Section describes the reliability of the District's water supply and projects the reliability for the next 20 years. This description will be provided for normal, single dry years and multiple dry years.

7.1 Constraints on Water Sources Considerations

As will be shown in the discussion below, there are no hydrologic or climate related constraints to the District's water source over the planning period.

There is potential for regulatory constraint on the water source. The District has appropriative water rights permits from the State Water Resources Control Board (SWRCB) through the year 2029 for surface water storage and diversion. These are Permit No. 11714 and Permit No. 11715 respectively. HBMWD is in the process of licensing their water rights permit. After 2029, it is not known what volume of water the District will be able to store and divert. There is the potential for a reduction of water rights volumes. In that case, the SWRCB would review water use over a period of time to determine the "municipal use" and add a growth allowance.

According to the Humboldt Bay Municipal Water District 2020 UWMP:

The only water quality issue occasionally encountered by the District in the past was turbidity. Generally, turbidity in the Ranney Well source water has been very low and meets the turbidity standards set by the California Department of Public Health (CDPH), now known as the Division of Drinking Water (DDW). However, during or following severe winter storm events, turbidity in the source water can rise beyond the standards set by DDW. In the late 1990s, an extremely heavy "El Nino" rainy season caused a prolonged series of storms that raised turbidity in the source water to such a level that DDW became concerned that it could potentially interfere with the disinfection process, and therefore, pose a threat to public health. In 1997, DDW directed all of the Public Water Systems in the Humboldt Bay area (the District and its wholesale municipal customers) to address the wintertime turbidity issue and to meet the turbidity standards established by DDW. The District initiated a process with its seven wholesale customers to determine the most cost-effective way to meet the State's requirement. The solution was to design and construct a regional Turbidity Reduction Facility (TRF). The TRF was completed in April 2003 and now operates during the winter storm season to reduce higher turbidities in accordance with the State's standards.

As the District's ongoing water monitoring and testing program indicates that the District's water quality has been and continues to be very high and with the turbidity issue taken care of by the TRF, the District does not foresee any current or projected water supply impacts resulting from water quality.

The water retailers provided HBMWD projected demand over the planning period. Each retailer demand projections represent unique situations including development and growth in specific service areas.

7.2 Water Service Reliability Assessment

Throughout the years, there have been studies that refer to the District's water source and its reliability. Bechtel Corporation (Bechtel) was retained in the 1950s to perform various water supply studies and to complete the design and specifications for the original regional water system. During this time, Bechtel completed a detailed operations study of the reservoir storage to determine the safe yield of the original project pursuant to the District's downstream diversion

requirements and the requirements in the District's water rights permits. The study was done on the basis of a 75 MGD average annual diversion rate at Essex. Existing prior water rights downstream of Ruth Lake were incorporated into this study. Bechtel confirmed the safe yield of the reservoir to be 75 MGD, assuming the driest period of record they studied (1923-1924). Bechtel reported "The Mad River Development will utilize the available supply and by storage regulation make this supply available for year-round diversion at Essex. The firm supply made available at Essex is measured by the amount of water the District can divert under its permits in the driest year on record 1923-1924." *(*Reference: *Engineering Report on Mad River Development, Bechtel Corporation, October 1960).*

Subsequent to Bechtel's operations study, DWR calculated the safe yield of Ruth reservoir to be very close to what Bechtel had determined *(Reference: Bulletin No. 142-1, North Coastal Hydrographic Area).* The State also used the 1923-24 drought period in its determination. These hydrological conditions were supported by subsequent studies by DWR, the U.S. Army Corps of Engineers, Bechtel Corporation, and Winzler and Kelly Engineering.

In a study by DWR titled "Office Report on Preliminary Investigation of Mad River," DWR acknowledges that the Ruth Lake area where the District keeps its storage supply has "heavy and frequent precipitation." DWR also said in the report that the mean seasonal runoff of the Mad River as measured at Arcata at the time (1958) was 750,000 AFY, which is far more than the District's permitted 84,000 AFY and the actual projected water demands from its customers as shown in Table 7-4 W.

The U.S. Army Corps of Engineers also discusses the mean annual runoff of the Mad River in their 1968 report titled, "Interim Review Report for Water Resources Development, Mad River, California." The report states that the variation in annual runoff has ranged from a low of 280,000 AFY in the lowest year recorded at the time, to a high of 1,746,000 AFY in the year of the highest runoff recorded at the time. It also states that the minimum five-year average annual runoff was 650,000 AFY. These average annual runoff amounts show that the District has ample supply to support its customer demands. The report also describes the local climate in that it is typical of coastal areas of California with a large percentage of the rainfall occurring during major storms during the winter months of November through March. It reports that the average annual precipitation over the basin ranges from about 40 inches along the coastal plains to more than 70 inches in the central part of the basin, with an estimated basin average of approximately 63 inches.

In 1977, Winzler and Kelly Engineering did a drought deficiency analysis of R.W. Matthews Dam with then current data (including the drought of 1977) and determined the safe yield to be approximately 67 MGD (75,040 AFY), 8 MGD less than projected by Bechtel. Although the safe yield projected by Winzler and Kelly was slightly less than the one projected by Bechtel Corporation, it still far exceeds the District's current and projected demands from its wholesale customers (Table 7-4 W).

The results from the above studies by DWR, U.S. Army Corps of Engineers, Bechtel Corporation, and Winzler and Kelly Engineering are supported by the District's historical data. From the District's historical data, on average, Ruth Lake begins the water year on October 1 with approximately 31,000 AF of water, 64% of its 48,030 AF capacity. Most rainfall in the area occurs between November and April. In every year but one since 1969, there has been at least one large storm during this period, bringing 3 to 9 inches of rain over a seven-day period. This is almost always sufficient to fill the reservoir to capacity.

There has only been one water year (1976/77) in which the reservoir was not filled to capacity. The average reservoir volume on May 1 (the end of the usual rainy season) is approximately 47,700 AF, over 99% of capacity. This storage allows the District to supplement low flows until the rain begins again in the fall. Seasonal or climatic shortages are only likely to occur after two consecutive rainy winter seasons with severely reduced rainfall and runoff (well below 50% of normal). This has not happened in the history of the District.

As stated in earlier sections, the District currently has permitted rights to store 48,030 AFY of Mad River water at Ruth Reservoir and divert 84,000 AFY of water at Essex to supply its wholesale and retail customers until 2029. Table 4-2 W and Table 7-2 show that the highest projected total water demand for the District's wholesale customers in 2045 is 12,082 AFY (14% of the permitted diversion amount. Based on this projected demand, the following sections will provide data for each of the following water year types: normal, single dry, and multi-dry. Supply and demand comparisons for each water year type will also be discussed.

7.2.1 WSRA Year-Type Characterization

There are three year-types for which the WSRA must be conducted. To conduct this assessment, Suppliers will need to identify what these year-types are and their associated effects on water supplies for their local conditions.

7.2.1.1 Types of Years

The three year-types that must be included in the WSRA include:

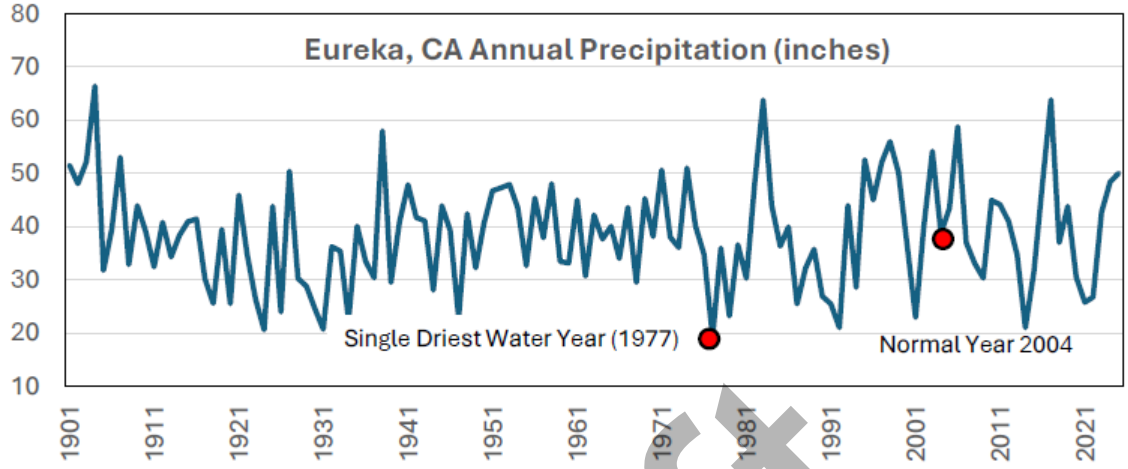
- **Normal Year.** This condition represents the water supplies a Supplier considers available during normal conditions. This could be a single year or averaged range of years that most closely represents the average water supply available to the Supplier. In the Guidebook, DWR uses the terms "average" and "normal" interchangeably when addressing the water-year type.
- **Single Dry Year.** Suppliers can analyze trends and extremes to identify the relevant single dry year used for their analysis. In general, this will likely be the year that represents the lowest water supply available to the Supplier.
- **Five-Consecutive-Year Drought.** There are no specifications for characterizing the WSRA five-consecutive-year drought in the Water Code.

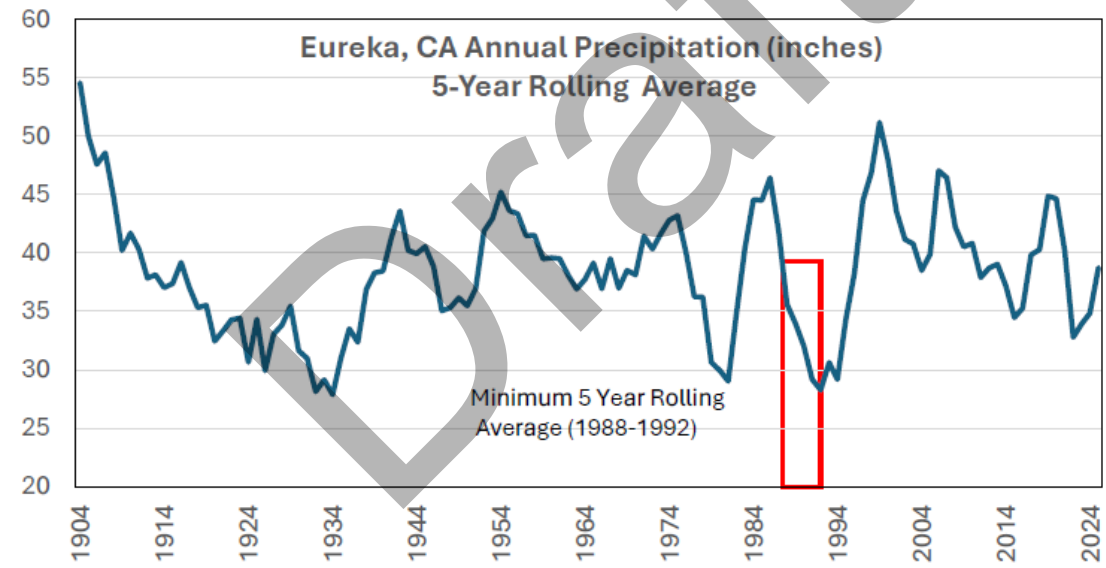
7.2.1.2 Sources for Water Data

Data sources used for the WSRA include:

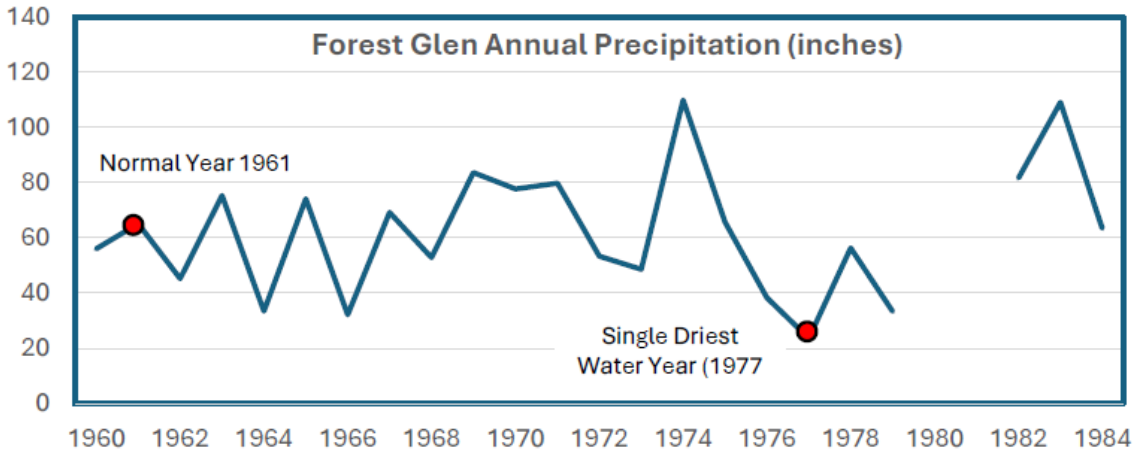
- Precipitation records Eureka (1900-2026) (Eureka WFO Woodley Island CA), https://scacis.rcc-acis.org/;
- Precipitation records Mad River (2000-2019) (MAD RIVER 12 SE, CA); https://scacis.rcc-acis.org/;
- Precipitation records Forest Glen (1930-1984) (FOREST GLEN, CA); https://scacis.rcc-acis.org/;
- Mad River near Arcata Discharge (1951-2026), USGS-11480390; and
- Mad River Discharge into Ruth Lake (1981-2026) USGS-11481000.

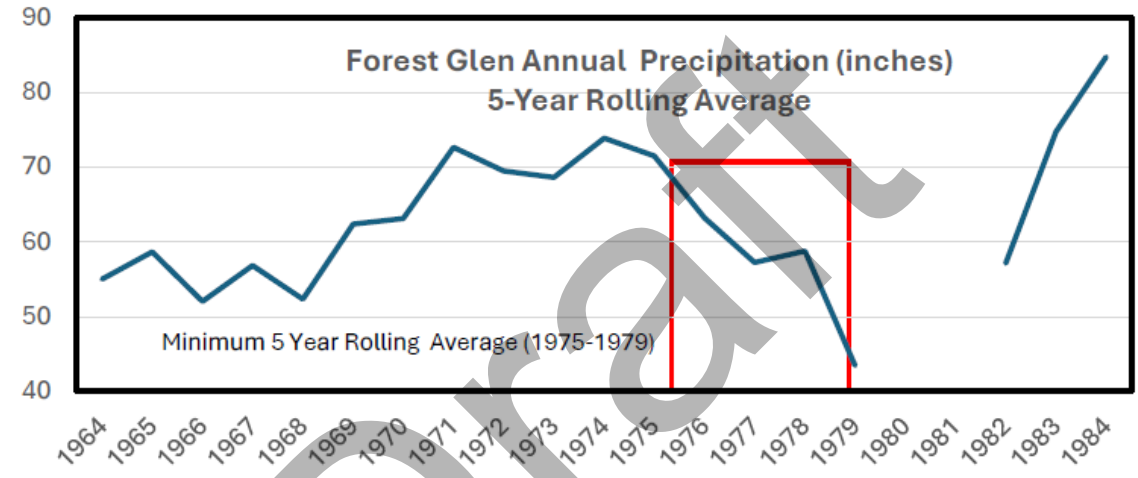
The graphs below illustrate historic precipitation trends for Eureka which has the longest record of precipitation near the Essex diversion facility. All of the following graphs are based on a water year (Oct-Sept).





The graphs below illustrate historic precipitation trends for the Forest Glen weather station which is the closest source of weather data to the Ruth Reservoir.



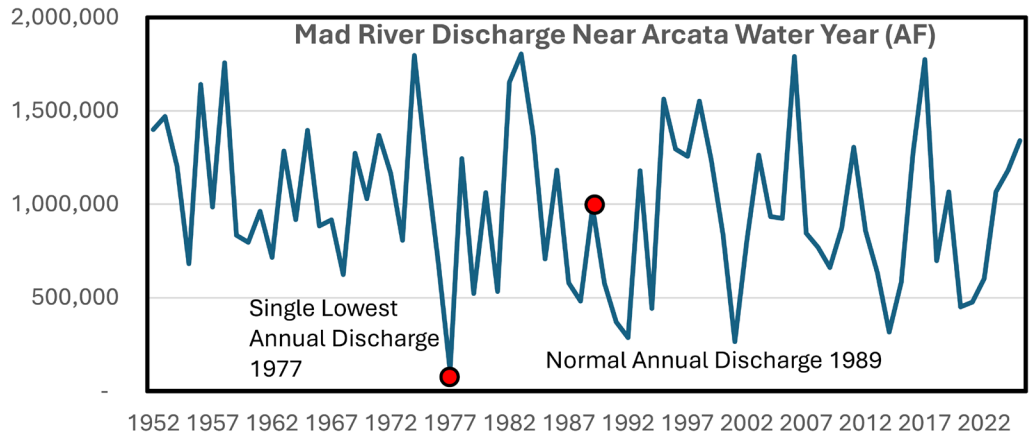


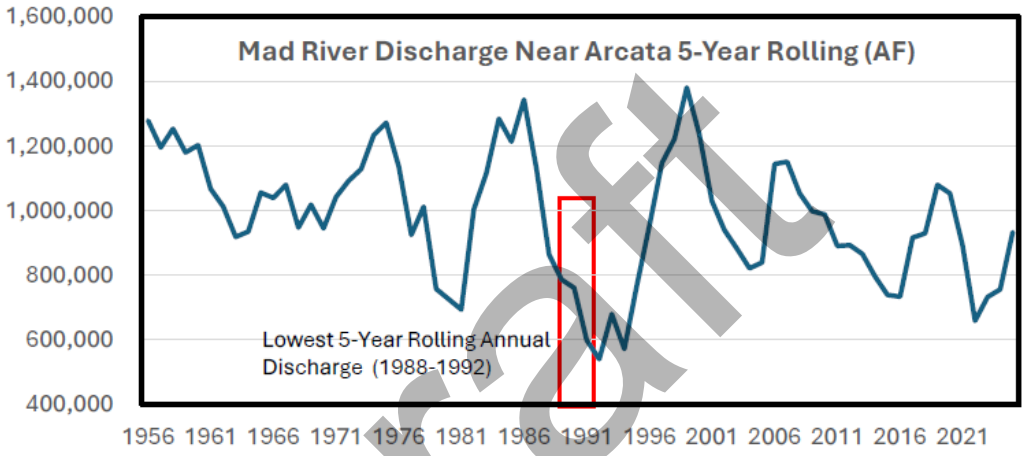
Precipitation data above is summarized in the tables below:

Location	Normal Year		Single Driest Year	Percentage of Average Yearly Precipitation.	Percentage of Average Yearly Flow into Ruth Reservoir
Eureka	2004		1977	50%	Data not available
Forest Glen	1961		1977	38%	Data not available

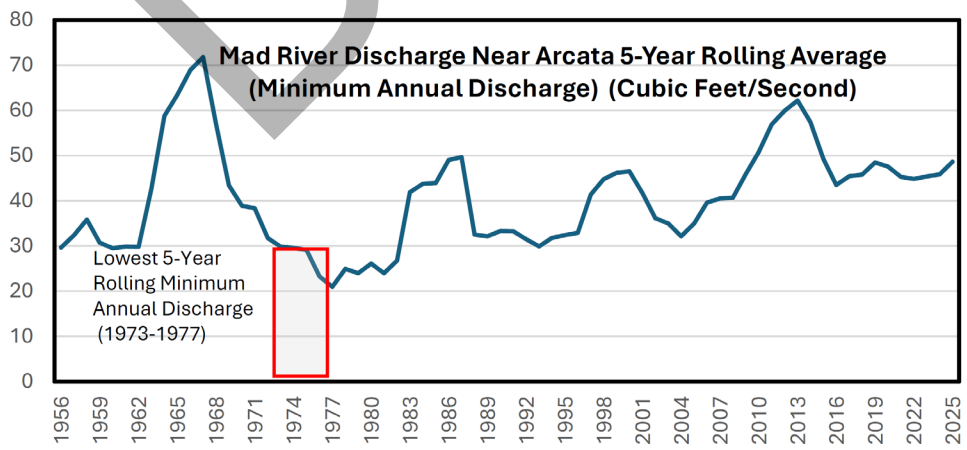
Location	Minimum 5- Years	Percentage of 5-Year Rolling Average Precipitation	Percentage of Average Flow into Ruth Reservoir
Eureka	1988-1993	74%	48%
Forest Glen	1975-1979	69%	Data not available %

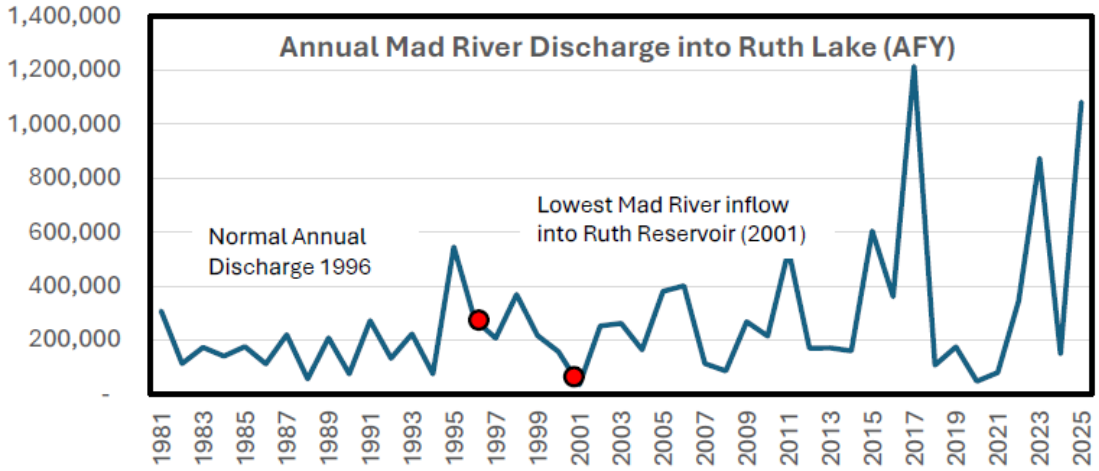
Below are graphs showing historical Mad River discharge data from two locations in the watershed. The Mad River Discharge Near Arcata is downstream of the Essex extraction facility near where the Mad River discharges to the Pacific Ocean. The second location is where the Mad River Discharge into Ruth Lake, which is located upstream of the Ruth Reservoir.

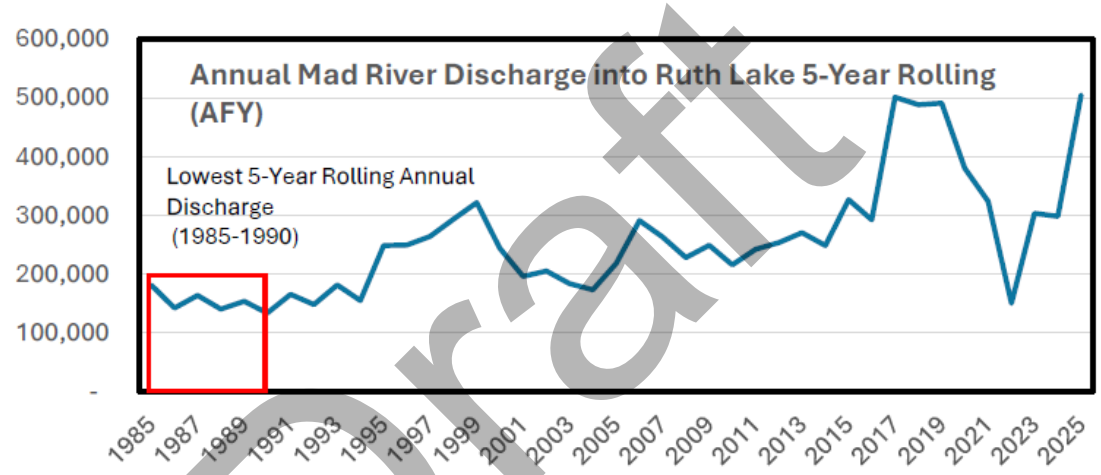




The graph below shows that annual minimum discharge is increasing over time, with a 5-year rolling annual minimum discharge was from 1973 to 1977.







Discharge data above is summarized in the tables below:

Location	Normal Year		Single Dry Year	Percentage of Average Year	5 Driest Years	Percentage of 5-Year Rolling Average
Mad River Discharge Near Arcata	1989		1977	11%	1988-1992	55%
Mad River Discharge into Ruth Lake	1996		2001	12%	1985-1990	52%

7.2.2 WSRA Supply and Demand Comparison

As stated in earlier sections, the District currently has permitted rights to store 48,030 AFY of Mad River water at Ruth Reservoir and divert 84,000 AFY of water at Essex to supply its wholesale and retail customers. Table 4-2 W and Table 7-2 show that the highest projected total water demand for the District's wholesale customers in 2045 is 12,082 AFY, 14 % of permitted diversion volume. With this in mind, the following sections

will provide data for each of the following water year types: normal, single dry, and multi-dry. Supply and demand comparisons for each water year type will also be discussed.

7.2.2.1 Normal Years

During a normal water year, the Ruth Lake area averages 65.42 inches of rainfall. Approximately 173,000 AF of water flows into the reservoir via the Mad River, and the average runoff for the watershed near the District's diversion facilities at Essex is 959,071 AFY (over the entire record period from 1963 to 2020). The average annual runoff data was provided by USGS at Gage Station 1148100 on the Mad River near Arcata, CA as shown in Table 7-1 W. The water year ending in 1989 was considered an average water year because the average runoff for the watershed that year was 985,364 AFY, which is closest to the average annual runoff for the watershed. Table 7-2 W shows the normal year supply and demand comparison. During a normal water year, the Ruth Reservoir and Mad River watershed have enough supply to meet the District's maximum currently permitted diversion of 84,000 AFY.

7.2.2.2 Single Dry Year

The water year ending in 1977 was the driest recorded for the District, far drier than any other. Rainfall in the Ruth area was approximately 23 inches (Forest Glen), or approximately 40% of normal (59.2 inches). Flows into the reservoir were approximately 26,000 AFY, or approximately 15% of normal (173,000 AFY). The runoff for the watershed measured near the District's diversion facilities was approximately 109,107 AFY, or approximately 11% of normal (992,458 AFY). The average reservoir volume for the water year was 21,000 AF, which is approximately 44% of capacity (48,030 AF) and approximately 51% of normal (41,000 AF). The reservoir was drawn down to approximately 13,000 AF, or approximately 27% of its capacity (48,030 AF) at the end of the water year.

Fall storms arrived in November 1977 and quickly refilled the reservoir. This water year was severely dry throughout the entire state of California and was a very exceptional year in the District's history:

- In 52 years of records, it was the only year in which rainfall was less than 50% of normal (59.2 inches).
- It was also the only year in which the reservoir was not filled to capacity.
- Total flows into the reservoir via the Mad River were half the value of the next driest year (2001).
- Runoff for the watershed and average reservoir volume were each 60% of the next driest year.

Table 7-3 W shows the Single Dry Year supply and demand comparison. This supply was based on the 1977 water year with watershed runoff of approximately 108,540 AFY. As this amount is more than the District's currently permitted water supply of 84,000 AFY, the District still had the 84,000 AFY of water available as it does during a normal water year.

It is uncertain what water rights the District will have after 2029. The District cannot guarantee 84,000 AFY as the supply as it has in previous UWMPs. All

analysis and review indicate that 84,000 AFY is achievable under any of the required climate scenarios. Due to the uncertainty, the District is projecting a supply equal to the maximum current contracted water volumes with the retailers, plus the Districts retail demand (maximum over past 5 years) plus an estimated 20 % loss (diversion to retail meters) for a total projected supply of approximately 28,480 AFY as shown in the table below.

Maximum Historic Use (2021-2025)	Arcata	Blue Lake	Eureka	Fieldbrook	HBMWD	HCSD	Manila CSD	MCSD	Estimated System Loss 20%	Total Production Supply
Max MGY	679.71	67.83	1269.73	70.02	519.00	250.13	41.97	498.50		
Max MGD	1.86	0.19	3.48	0.19	0.83	0.69	0.11	1.37		
% of Contract (2021-2025)	**62%**	**46%**	**50%**	**45%**		**24%**	**77%**	**53%**		
Max Contract MGD (2017)	3	0.4	7	0.43	1	2.9	0.15	2.6		
Max Contract MGY	1095	146	2555	156.95	365	1058.5	54.75	949		
Max Contract AFY	3910	521	9124	560	1303	3780	196	3389	5696	**28,480**

Therefore, Table 7-3 W shows the same calculations as in Table 7-2 W for the normal water year condition showing the supply totals as 28,480 AFY from 2025 through 2040. The data shows that the District has more than enough water supply to meet demand, even in a critical single dry water year situation.

7.2.2.3 Five Consecutive Dry Years

The following section is contained in the Humboldt Bay Municipal Water District 2020 UWMP and is still applicable for the current plan. The model is based on having the driest year on record (1977) repeated for 5 consecutive.

A Rippl mass diagram can be used to plot the cumulative inflow to the reservoir against time for the drought of record to assist in determining safe yield from the reservoir during an extended drought. The inflow and resulting cumulative storage volume can then be compared to the cumulative storage required for various draft (demand) rates to establish a maximum constant draft rate that could be achieved over the course of the drought planning period (in this case, five consecutive years of 1977 drought).

The development of a Rippl mass diagram for this analysis incorporates the following assumptions:

- *The reservoir begins full with 48,030 acre-ft of water on May 17 (based on the drought of record, the time period from May 1976 to November 1977);*
- *Inflow to the reservoir during the drought of record can be repeated multiple times to extend the 1-year drought to a 5-year planning period;*
- *The total inflow to the reservoir can be estimated by scaling the inflow at the Zenia Bridge gauge station by a factor equal to the ratio of watershed area contributing to the gauge station site to the watershed area contributing to the reservoir spillway (1.2 or 121 mi^2/93.8 mi^2);*
- *Demand is taken directly from the reservoir (i.e. there are no contributing flows downstream of the reservoir); and*
- *Evaporative losses can be estimated based on reservoir levels during the drought of record.*

The drought of record storage was determined using Equation 1.

$$S_i = S_{i-1} + I \quad \text{(EQ-1)}$$

where:
S_i = Storage (MG)
i_{1-730} = Time Step (day)
I = Net Inflow (MG)

$$where: I = \left(I_{zenia} * \left(\frac{121mi^2}{93.8mi^2}\right) - Evap\right)$$

Cumulative storage required for draft rates were determined using Equation 2.

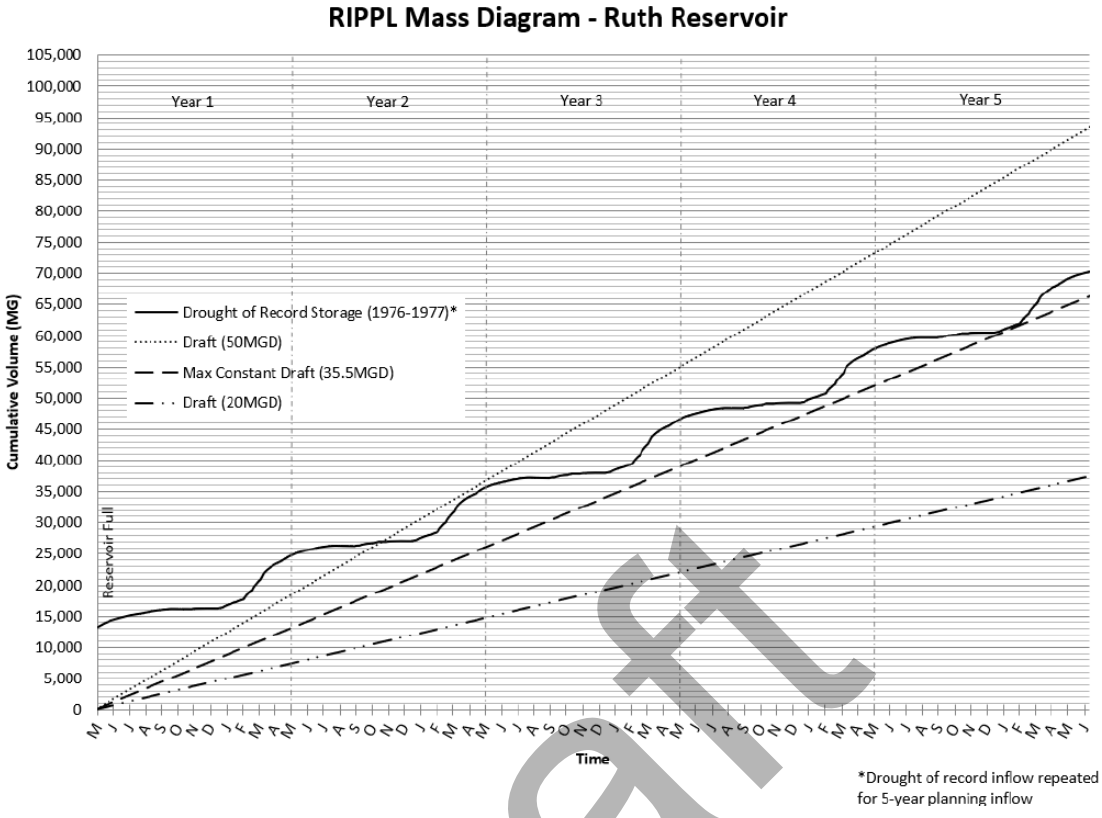
$$S_i = S_{i-1} + D \quad \text{(EQ-2}$$

where:
S_i = Storage (MG)
i_{1-730} = Time Step (day)
D = Demand (MG)

A maximum allowable constant draft rate of 35.5 MGD (39,791 AFY) over the five-year planning period was calculated based on the drought of record inflow (see Figure below).

The Rippl diagram shows that a maximum constant draft rate of 35.5 MGD could be achieved (reservoir would never be empty) based on the mass budget during the drought of record. This was determined based on the assumption that the inflow to the reservoir and evaporation volumes from the drought of record could be repeated to achieve a 5-year planning cycle. Inflow for the second through fifth years may overestimate the actual inflow that would occur in this period of the drought. Inflow during the second year of drought may be lower than the first year due to decreased runoff/increased soil uptake over the course of the previous year, and the case could be similar for the subsequent years of the drought. However, this overestimation is likely more than offset by the very conservative assumption that the demand is taken directly from the reservoir with no contribution from the watershed below Ruth Lake.

The maximum constant cumulative draft volume comes within approximately 278 MG of cumulative storage volume in February of the fifth drought year. At this point, approximately 8 days of storage remains at the maximum constant draft rate. This storage volume likely falls below the desired planning volume, and in actuality, conservation measures likely would have been implemented to reduce the constant draft and increase storage.



Based on the conservative analysis above (*no contributing flows downstream of the reservoir)*, during a 5-year modeled drought consisting of 5-years repeating the conditions of 1977, there would be 39,791 AFY of water available which is in excess of the projected demand in 2045 of 28,480 AFY.

7.2.3 WSRA Description of Management Tools and Options

HBMWD has management tools and options to use that will maximize resources and minimize the need to import water from other regions. Some of the management actions or programs the District may implement in response to the surplus or shortage include:

- Expected use reduction due to increased implementation of Demand Management Measures (DMMs);
- Implementation of drought stages;
- Savings from codes and standards; and
- Increased drought messaging.

7.3 Drought Risk Assessment

The Drought Risk Assessment (DRA) is contained in the HBMWD Water Shortage Contingency Plan (WSCP) (Appendix G).

7.3.1 DRA Data, Methods, and Basis for Water Shortage Conditions

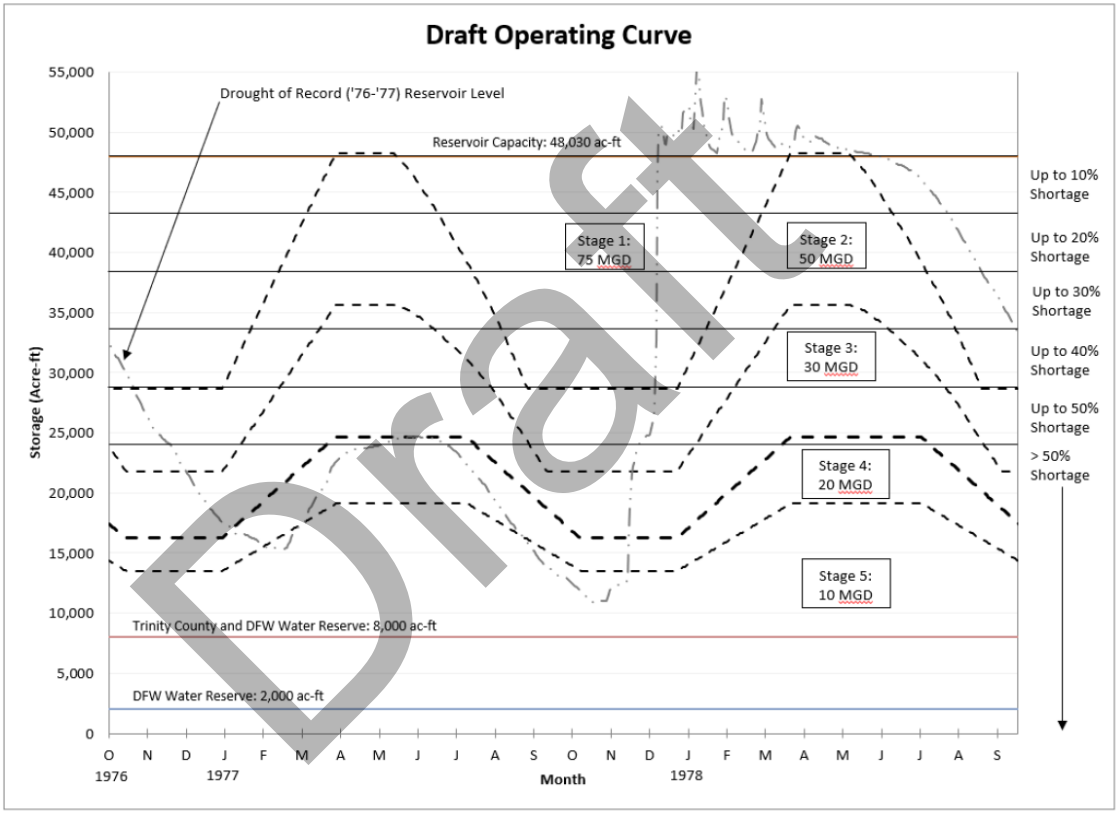
The DRA methodology and basis for water shortage conditions are contained in the HBMWD WSCP (2021), Appendix G.

7.3.2 DRA Individual Water Source Reliability

The drought risk assessment methodology and basis for water shortage conditions are contained in the HBMWD WSCP (2021), Appendix G. The DRA addresses the single water source that the District relies on.

7.3.3 DRA Total Water Supply and Use Comparison

On an ongoing basis District operations staff are comparing the current operating curve to the graph below to determine if water shortage conditions exist. The graph below from the HBMWD WSCP compares supply and demand to determine if water shortage conditions exist. The graph below takes into account seasonal variations based on historic data.



7.4 Submittal Tables

OPTIONAL Submittal Table 7-1 Wholesale: Basis of Water Year Data (Reliability Assessment)

Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2024-2025, use 2025	Available Supplies if Year Type Repeats	
		☐ Check the box if quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. **Location:** [insert location from UWMP]	
		Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available (AF)	% of Average Supply
Average Year	1989	984,409	100%
Single-Dry Year	1977	108,540	11%
Consecutive Dry Years 1st Year	1988	481,779	49%
Consecutive Dry Years 2nd Year	1989	984,409	100%
Consecutive Dry Years 3rd Year	1990	578,522	59%
Consecutive Dry Years 4th Year	1991	370,769	38%
Consecutive Dry Years 5th Year	1992	286,682	29%

DWR NOTES: Supplier may use multiple versions of Submittal Table 7-1 W if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Submittal Table 7-1 W, in the "Note" section of each submittal table, state that multiple versions of Submittal Table 7-1 W are being used and identify the particular water source that is being reported in each submittal table. **Units of measure (AF, CCF, MG**) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table reports the unit of measure selected in Submittal Table 2-3.

NOTES: Average Year volume chosen based on average annual Mad River watershed discharges from 1951-202.

Submittal Table 7-2 Wholesale: Normal Year Supply and Use Comparison Water Code Section 10635 (a)					
	2030 (AF)	**2035 (AF)**	**2040 (AF)**	**2045 (AF)**	**2050 (AF)**
Supply totals (autofill from Submittal Table 6-9 W)	28,480	28,480	28,480	28,480	
Use totals (see OPTIONAL Submittal Table 4-2 W)	11,071	11,379	11,716	12,079	
Surplus/(shortfall)	17,409	17,101	16,764	16,401	
OPTIONAL Planned WSCP Actions					
WSCP - supply augmentation benefit					
WSCP - use reduction savings benefit					
Revised Surplus/(shortfall)					
DWR NOTES : Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.					
NOTES:					

Submittal Table 7-3 Wholesale: Single Dry Year Supply and Use Comparison Water Code Section 10635(a)					
	2030 (AF)	**2035 (AF)**	**2040 (AF)**	**2045 (AF)**	**2050 (AF)**
Supply totals	28,480	28,480	28,480	28,480	
Use totals	11,071	11,379	11,716	12,079	
Surplus/(shortfall)	17,409	17,101	16,764	16,401	
OPTIONAL Planned WSCP Actions					
WSCP - supply augmentation benefit					
WSCP - use reduction savings benefit					
Revised Surplus/(shortfall)					
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.					
NOTES:					

Submittal Table 7-4 Wholesale: Multiple Dry Years Supply and Use Comparison Water Code Section 10635(a)						
		2030 (AF)	2035 (AF)	2040 (AF)	2045 (AF)	2050 (AF)
First year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Second year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Third year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Fourth year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Fifth year	Supply totals	28,480	28,480	28,480	28,480	28,480
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	28,480
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.						
NOTES:						

Submittal Table 7-5 Wholesale: Five-Year Drought Risk Assessment Water Code Section 10635(b)(3)	
2026	**Total**
Total Water Use (AF)	10,293
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	18,187
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	0
2027	**Total**
Total Water Use (AF)	10,488
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,992
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
2028	**Total**
Total Water Use (AF)	10,682
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,798
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
2029	**Total**
Total Water Use (AF)	10,877
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,603
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
2030	**Total**
Total Water Use (AF)	11,071
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,409
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.	
NOTES:	

8.0 WATER SHORTAGE CONTINGENCY PLAN

This Section describes the District's staged plan for dealing with water shortages, including a catastrophic supply interruption, pursuant to California Water Code §10632. The District's Water Shortage Contingency Plan (WSCP) was developed and adopted as part of the 2020 UWMP cycle and is carried forward as Appendix G of this Plan. The WSCP was reviewed and determined to remain applicable to current District conditions. The five drought action stages contained in the WSCP are cross-referenced to the six standardized shortage levels required under CWC §10632(a)(3), as permitted by CWC §10632(b).

8.1 Water Supply Reliability Analysis

The District's Emergency Operations Plan (EOP) provides the overall response procedures for catastrophic supply interruptions. The EOP further provides specific procedures for power outages and for security incidents. The District's Emergency Action Plan (EAP) provides response procedures for catastrophic supply interruptions involving the R.W. Matthews Dam and Reservoir (Ruth Lake), such as an earthquake.

8.2 Annual Water Supply and Demand Assessment Procedures

Annually the District will conduct a Water Supply and Demand Assessment described in the sections below.

8.2.1 Decision-Making Process

Pursuant to California Water Code §10632.1, the District conducts an Annual Water Supply and Demand Assessment (AWSDA) each year to determine water supply reliability, with reports due to DWR by July 1 of each year. As noted throughout this document, HBMWD has not had issues with supply reliability in the past, even during drought years.

The District will provide assessment findings to its wholesale municipal customers in advance of the July 1 submittal deadline of each year to assist in their own annual water supply and demand assessments, also due by July 1 of each year. The Board of Directors will approve the Annual Assessment prior to submittal.

8.2.2 Data and Methodologies

Data reviewed for the Annual Water Supply and Demand Assessment include unconstrained demand used by municipal and retail customers and the supply available, taking into account factors such as weather, growth and other factors that may impact current and future demands, including assuming future dry years. The District takes daily readings on reservoir level and output and hydrologic conditions. Since the District's water is metered, the District is able to provide realistic numbers and based on those, adjust policies as needed to ensure future demand.

8.3 Six Standard Water Shortage Levels

The District WSCP (Appendix G) contains the following water shortage levels:

Stage 1 – Controlled Release from Storage
Stage 2 – Optimizing Available Supply
Stage 3 – General Reduction
Stage 4 – Usage Allocations

Stage 5 – Rationing

The District WSCP contains consumption Reductions as shown below:

Consumption Reduction Methods	Stage when Method Takes Effect
Release from storage only amount of water needed for in-stream and water supply purposes	1
General voluntary water conservation measures with wholesale customers	2
Public education efforts encouraging water conservation	2
Encourage all wholesale and retail customers to reduce usage. Require industrial customers to reduce usage.	3
Encourage all wholesale and retail customers to reduce usage further. Require industrial customers to further reduce usage.	4
No water for industrial processes and reduce wholesale and retail customer usage up to 50%	5

*

8.4 Shortage Response Actions

8.4.1 Supply Augmentation

The District does not currently have options for supply augmentation during periods of water shortage.

8.4.2 Demand Reduction

As stated in the HBMWD WSCP (Appendix G) “It was the policy and practice of the District to set maximum use targets for its wholesale municipal customers, allowing them to choose how to meet those targets.”

8.4.3 Operational Changes

As stated in the HBMWD WSCP (Appendix G) Operational changes contained within the Stage 1 – Controlled Release from Storage, if the reservoir level is within the Stage 1 boundaries, only the amount of water needed for instream flow dedication and water supply purposes will be released from the reservoir. In Stage 2, the District will consider shutting down hydroelectric production, as hydroelectric production is incidental to water supply needs and not justification for releases.

8.4.4 Additional Mandatory Restrictions

The District does not have the ability to impose use restrictions or other requirements directly on end users of the municipal customer’s water. Each wholesale customer is

responsible for adopting plans to implement the reductions in water use called for by the action stages outlined in the WSCP. Effectiveness of this plan will be monitored on a daily basis using continuously metered data from Ruth Lake and the metered connections to all wholesale municipal customers.
As contained in the HBMWD WSCP, at various stages of water storage, the District implements mandatory prohibitions shown below:

Examples of Prohibitions	Stage when Prohibition Becomes Mandatory
Domestic use limited to 9 MGD, and industrial use limited to 20 MGD	3
Domestic use limited to 8 MGD, and industrial use limited to 12 MGD	4
Domestic use limited to 7 MGD, and industrial use limited to only the amounts required for human consumption, sanitation, and fire protection	5

8.4.5 Emergency Response Plan

The District's Emergency Operations Plan (EOP) provides the overall response procedures for catastrophic supply interruptions. The EOP further provides specific procedures for power outages and for security incidents. The District's Emergency Action Plan (EAP) provides response procedures for catastrophic supply interruptions involving the R.W. Matthews Dam and Reservoir (Ruth Lake), such as an earthquake. The District is complying with the seismic risk assessment pursuant to Section 10644, by providing a copy of the most recent Humboldt County Operational Area Hazard Mitigation Plan 2019 Volume 1: Area-Wide Elements, pages 101-122. The District's Operations Plan (OP) provides procedures for system failures. Hazardous materials incidents are covered by numerous response plans depending on the nature of the incident.

8.4.6 Seismic Risk Assessment and Mitigation Plan

The District is complying with the seismic risk assessment pursuant to Section 10644, by providing a copy of the most recent Humboldt County Operational Area Hazard Mitigation Plan 2019 Volume 1: Area-Wide Elements, pages 101-122. The District's Operations Plan (OP) provides procedures for system failures. Hazardous materials incidents are covered by numerous response plans depending on the nature of the incident.

8.5 Communication Protocols

Coordination in implementing the Water Shortage Contingency Plan is assured through the activation of the Water Task Force. The first Task Force was formed in 1977. This Task Force is convened as necessary to address drought conditions or other significant events which could result in a water supply shortfall. The Task Force is comprised of representatives of the District and each of its wholesale customers. The Water Task Force's responsibilities include:

- Review the status of the water supply and forecasts;
- Recommend specific actions in accordance with this plan and each entity's own water shortage plan;
- Assure that priority of allocations meets legal requirements of consistency and non-discrimination;

- Coordinate media releases and public announcements;
- Coordinate interaction with regulatory agencies such as the California Department of Water Resources, Fish and Wildlife, and California Department of Public Health; and
- Review and make recommendations about requests for waivers from, or exceptions to, actions taken pursuant to this plan.

8.6 Compliance and Enforcement

As noted earlier in this plan, each wholesale customer is responsible for adopting plans to implement the reductions in water use called for by the action stages outlined above. Effectiveness of this plan will be monitored on a daily basis using continuously metered data from Ruth Lake and the metered connections to all wholesale municipal customers.

8.7 Legal Authorities

8.7.1 Legal Authorities

Water Code §350–366 (Urban Water Shortage Contingency Plans) contains the primary authority which allows a water supplier to declare a water shortage emergency when it determines that the water supply available is inadequate to meet ordinary demands.

8.7.2 Declaration of Water Shortage

In the event circumstances merit or require a declaration of a water shortage emergency, it is the intent of the District to rely on this plan to provide the primary framework to deal with such an emergency

8.7.3 Proclamation of Local Emergency

A copy of the District's draft Water Shortage Contingency Resolution for declaring a water shortage emergency and implementing the District's Water Shortage Contingency Plan is attached as Appendix G.

8.8 Financial Consequences of a Water Shortage Contingency Plan

8.8.1 Financial Impacts and Mitigation Action

Each wholesale customer must gauge the revenue and expenditure impact of the action stages. The expenditure and revenue impacts on the District are negligible since the wholesale rates are designed to cover costs incurred by the District in producing and distributing the water. With less water to produce, there would be less expense incurred by the District. Therefore, expenditures and revenues for costs directly related to the amount of water produced (e.g. costs for power for pumping) will both decrease as deliveries of water are curtailed. If the shortage were to continue for a prolonged period, the District could reduce staff in order to cut costs as the District would not be producing and distributing water at normal levels. The District also has a reserve account to act as a buffer to cover fixed costs for a short period of time if the District were to need it.

8.8.2 Reporting Cost of Compliance With Excessive Water Use Prohibition During Drought Emergency

The District does not have the ability to impose use restrictions, or other requirements, directly on end users of the municipal customer's water. Each wholesale customer is responsible for adopting plans to implement the reductions in water use called for by the action stages outlined above.

8.9 Monitoring and Reporting.

Wholesale Suppliers are not required to describe methods of monitoring and reporting on the effects of WSCP implementation.

8.10 Water Shortage Contingency Plan Refinement Procedures

The WSCP will be reviewed as part of each five-year UWMP update cycle and revised as necessary to reflect changes in District operations, water supply conditions, or applicable regulatory requirements. Amendments to the WSCP may also be made between UWMP cycles if warranted by material changes in conditions.

8.11 Special Water Feature Distinction

The District does not have the ability to impose use restrictions, or other requirements, directly on end users of the municipal customer's water. Each wholesale customer is responsible for adopting plans to implement the reductions in water use called for by the action stages outlined above.

8.12 Plan Adoption, Submittal, Availability, and Amendment Procedures

Within 30 days after adoption of the 2025 UWMP (including the Water Shortage Contingency Plan), the District will submit electronic copies of the adopted 2025 UWMP to the California State Library, the County of Humboldt Planning Department, and the municipalities within its service area.

8.13 Submittal Tables

Submittal Table 8-1: Cross-reference for Standard vs Supplier Shortage Levels			
☐	Check the box if the Supplier uses the Standard six levels of water shortage. Proceed to the next table.		
Standard Shortage Levels	**Percent Shortage Range**	**Suppliers Shortage Levels**	**Percent Shortage Range**
1	Up to 10%	Stage 1 — Controlled Release from Storage: Only the amount of water needed for instream flow dedication and water supply purposes will be released from the reservoir. No demand reductions required.	Up to 10%
2	Up to 20%	Stage 2 — Optimizing Available Supply: Draft rate limited to 50 MGD. Domestic deliveries reduced by 5% (to 9.5 MGD); industrial deliveries reduced by 5% (to 38 MGD). Public outreach and voluntary conservation measures initiated	Up to 20%
3	Up to 30%	Stage 3 — General Reduction: Draft rate limited to 30 MGD. Domestic deliveries reduced by 10% (to 9 MGD); industrial deliveries reduced by 50% (to 20 MGD). Note: HBMWD's Stage 3 corresponds to both Level 3 and Level 4 shortage conditions per CWC §10632(b).	Up to 30%
4	Up to 40%	Stage 3 — General Reduction: Draft rate limited to 30 MGD. Domestic deliveries reduced by 10% (to 9 MGD); industrial deliveries reduced by 50% (to 20 MGD). Note: HBMWD's Stage 3 corresponds to both Level 3 and Level 4 shortage conditions per CWC §10632(b).	Up to 40%
5	Up to 50%	Stage 4 — Usage Allocations: Draft rate limited to 20 MGD. Domestic deliveries reduced by 20% (to 8 MGD); industrial deliveries reduced by 70% (to 12 MGD).	Up to 50%
6	>50%	Stage 5 — Rationing: Draft rate limited to 10 MGD. Domestic deliveries reduced by 30–50%; industrial deliveries limited to amounts required for human consumption, sanitation, and fire protection.	>50%
NOTES:			

Submittal Table 8-2 Wholesale: Supply Augmentation and Other Actions Water Code Section 10632(a)(4)(A),(C) and (E)			
Yes	Is the Supplier completing this table using the standard six levels? (yes/no)		
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier **Drop down list** These are the only categories that will be accepted by the WUEdata online submittal tool	How much is this going to reduce the shortage gap?	
		Volume or Percentage Drop down	Shortage Gap Reduction Value (May be a range) (AF)
Add additional rows as needed			
3	Expand Public Information Campaign	Percentage	20
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in S			
NOTES:			

Submittal Table 8-3 Wholesale: Demand Reduction Actions Water Code Section 10632(a)(4)(B) and (E)				
	Is the Supplier completing this table using the standard six levels? (yes/no)			
Shortage Level	Demand Reduction Actions Drop down list These are the only categories that will be accepted by the WUEdata online submittal tool. Select those that apply.	How much is this going to reduce the shortage gap?		Additional Explanation or Reference (OPTIONAL)
		Volume or Percentage Drop down	Shortage Gap Reduction Value (May be a range) (AF)	
Add additional rows as needed				
3	Expand Public Information Campaign	Percentage	20	
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.				
NOTES:				

9.0 DEMAND MANAGEMENT MEASURE

This Section will describe HBMWD's efforts to promote conservation and to reduce demand for their water supply and will specifically address several Demand Management Measures (DMMs).

9.1 Demand Management Measures for Retail Suppliers

9.1.1 Implementation Over the Past Five Years

This section does not apply since HBMWD is a wholesaler of water.

9.1.2 Implementation to Achieve Water-Use Targets

This section does not apply since HBMWD is a wholesaler of water.

9.1.3 Required Demand Management Measures

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.1 Water-Waste Prevention Ordinances

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.2 Metering

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.3 Conservation Pricing

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.4 Public Education and Outreach

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.5 Programs to Assess and Manage Distribution System Real Loss

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.6 Water Conservation Program Coordination and Staffing Support

This section does not apply since HBMWD is a wholesaler of water.

9.1.3.7 Other Demand Management Measures

This section does not apply since HBMWD is a wholesaler of water.

9.2 Demand Management Measures for Wholesale Suppliers

9.2.1 Required Demand Management Measures

9.2.1.1 Metering

The District has meters on all service connections and water sources. The existing connections to the District's wholesale customers are metered and monitored regularly for leaks and waste. If a new wholesale customer were to join the District, the connection would be metered. Totalizers connected to the District's control system which measure and record production rates as well as delivery rates to all wholesale customers. These readings are taken continuously

and are monitored at all times by the District's Water Plant Operators. Any issues with leaks and waste, along with other water related topics are discussed at the District's monthly Muni-Meetings, which the District implements as part of its Wholesale Agency Programs.

The District conducts regularly scheduled flow testing, calibration and maintenance of all its wholesale water meters. This ensures that the meter readings are accurate and helps the District and its wholesale customers monitor for leaks and waste. The District's wholesale customers (urban retail water suppliers) will conduct reviews of their own metering and retrofit programs for end users in their UWMPs.

9.2.1.2 Public Education and Outreach

The District supports initiatives to inform the public about water conservation. In the past, the District has made financial contributions to the California Water Awareness Campaign and the Water Education Foundation. These organizations are involved with providing water education and promoting water conservation statewide. The District also supported and developed public outreach and awareness programs through radio, newspapers, public access television, and information booths at county fairs, farmers markets, and local zoo events.

District personnel at the Essex Operational Center give tours of the water production and treatment facilities to students. These tours have varied from the most basic water awareness talks for kindergarten classes to technical presentations for graduate engineering classes. Personnel have also assisted individual high school and university students with their projects relating to either the water system or the Mad River. The District enjoys the opportunity to work with students as it is rewarding to all involved and helps to disseminate awareness of water as a valuable resource and to practice conservation.

The District will continue efforts to raise public awareness of water conservation issues by working collaboratively with its wholesale customers (urban retail water suppliers) to develop and co-fund public awareness programs that leverage current communications platforms, including social media, the District's website, community events, and targeted outreach to schools and local organizations.

9.2.1.3 Water Conservation Program Coordination and Staffing Support

In compliance with DMMs, the District has designated a Water Conservation Coordinator, whose responsibilities include program management, tracking, planning and reporting on implementation of the DMMs. The Water Conservation Coordinator for the District is its Associate Engineer.

9.2.1.4 Other Demand Management Measures

Conservation pricing - The District has individual wholesale contracts with each of its wholesale customers. These contracts include both a flat rate component and a variable-fee component based on the power used for pumping. A set peak rate has also been allocated to each wholesale customer so that they cannot continually exceed that peak rate without discussing this amount with the District and negotiating a new peak rate.

9.2.2 Wholesale Demand Management Measures

9.2.2.1 Asset Management

The District maintains a geographical information system (GIS) program to track and manage its distribution assets. The GIS program contains multiple layers of data and information, including layers for different boundaries, pipelines, meters, backflow devices, structures, easements, and images. The District recognizes the importance of long-term capital planning and is in the process of updating its Capital Improvement Plan to reflect current infrastructure needs and priorities. .

The District's CIP, most recently updated in 2018, provides a policy framework for identifying and prioritizing capital improvement and replacement projects on the regional water system. The District recognizes that infrastructure planning needs to evolve over time and is committed to keeping its capital planning current.. The purposes of the CIP are:

- Summarize the history of development of the regional water system;
- Identify asset inventory associated with the regional water system and document its age and condition;
- Develop policies to guide the District's infrastructure investments;
- Identify and prioritize infrastructure projects to support the District's mission;
- Develop a financial plan to fund CIP projects;
- Communicate the infrastructure needs to the District's wholesale municipal customers and the community; and
- Position the District for state and federal grant funding opportunities.

This CIP is a planning instrument intended to guide District budgets, assist wholesale customers with financial planning and rate studies, and support the District's mission to sustainably deliver clean and reliable water to the community.

9.2.2.2 Supplier Assistance Programs

The District and its wholesale customers work together to identify options to reduce water waste, improve water use efficiency, and educate the end users about conservation practices. These efforts occur during the monthly "Muni-Meetings" coordinated and hosted by the District. The wholesale customers attend these monthly meetings, which are the forum that is intended to foster this type of partnership between the retail agencies and the District. Examples of recent coordination efforts are described below:

- The District hosts and leads monthly water conservation discussions and UWMP planning meetings with the four larger water agencies; Cities of Eureka and Arcata, and Humboldt and McKinleyville Community Services Districts, forming the Northcoast Region Water Conservation Group (conservation group). The conservation group was formed with the intention of sharing resources, including the cost of program implementation, and to provide a consistent conservation message throughout the region.
- The District provides educational material and water use data to the wholesale customers for distribution to the end users, to assist the wholesale agencies in understanding their demand.

- Separate from the conservation group mentioned above, the District conducts monthly Muni-Meetings where conservation topics are discussed and when practical, the District assists the wholesale agencies with the development of their respective UWMPs.

10.0 URBAN WATER MANAGEMENT PLAN ADOPTION, SUBMITTAL, AND IMPLEMENTATION

The following steps will be used for the 2025 UWMP adoption, submittal, and to make it available to the public:

10.1 Plan Completion Timeline

Notice of preparation to cities and counties that the Supplier will be reviewing the UWMP and considering amendments to the plan, 60-days prior to public hearing.	February 2, 2026
Legal Notice of Public Hearing (The Time-Standard, Mad River Union, and North Coast Journal Inc.).	May 10, 2026
Legal Notice of Public Hearing (from The Time-Standard, Mad River Union, and North Coast Journal Inc.).	May 17, 2026
Public Hearing and Adoption 2025 UWMP.	June 11, 2026
Submit the 2025 UWMP to the Department of Water Resources by July 1, 2026.	July 1, 2026
Submittal to other agencies.	July 1, 2026
Submittal of the District's 2025 UWMP and WSCP to the California Public Utilities Commission as part of its general rate case filings.	July 1, 2026

10.2 Notice of Plan Preparation

On February 2, 2026, the District provided a notice of plan preparation to:

- Humboldt County Public Works;
- Humboldt County Planning Department;
- City of Arcata;
- City of Eureka;
- Humboldt CSD;
- McKinleyville CSD;
- City of Blue Lake;
- Fieldbrook-Glendale CSD; and
- Manila CSD.

A copy of the notification of UWMP revision is contained in Appendix C.

10.3 Notice of Public Hearing

The District notified its wholesale customers, the communities served, land-use planning agencies, and the County of Humboldt of the location where the Draft 2025 UWMP can be reviewed, and the time and place of the public hearing (Appendices D). Pursuant to Section 6066 of the Government Code, Notice of Public Hearing was published in the Times Standard newspaper on May 10, 2026 and June 17, 2026 and was posted at the District's Eureka main office. The District's 2025 UWMP was also available for public review at the main office in Eureka. Notice of Public Hearing was provided to Humboldt County, City of Arcata, City of Eureka, City of Blue Lake, Humboldt CSD, McKinleyville CSD, Fieldbrook-Glendale CSD, and Manila CSD on (Table 10-1 W) on May 10, 2026.

10.4 Public Hearing and Adoption

The District held its public hearing for the 2025 UWMP at its regularly scheduled Board meeting on June 11. 2026. Following the hearing, the District's Board adopted the 2025 UWMP as prepared. The following documents relating to the public hearing have been included:

- Certificate of Publication of the Legal Notice of Public Hearing (Appendix E);
- District's Board Agenda Notice of Public Hearing (Appendix E); and
- Board Resolution Adopting the District's 2025 UWMP (Appendix E).

10.5 Plan Submittal

10.5.1 Submitting a UWMP and Water Shortage Contingency Plan to DWR

The District's 2025 UWMP was submitted to the DWR within 30 days of adoption on June 11, 2026. By July 11, 2026, the 2025 UWMP was submitted as an electronic copy to the California State Library, and electronic copy to the County of Humboldt, and the cities and community services districts within their service area. Proof of submittal of the plan is included (Appendix F).

10.5.2 Electronic Data Submittal

Submittal of the 2026 UWMP was through the DWR's Water Use Efficiency data online submittal tool

10.5.3 Submitting a UWMP, Including WSCP, to the California State Library

By July 11, 2026, the 2025 UWMP was submitted as an electronic copy to the California State Library

10.5.4 Submitting a UWMP to Cities and Counties

An electronic copy of the 2025 UWMP was provided to the County of Humboldt, and the cities and community services districts within its service area. Proof of submittal of the plan is included (Appendix F).

10.6 Public Availability

The District made its 2025 UWMP available for public review prior to a public hearing to receive input. After adoption of the 2025 UWMP, the District made the plan available for public review at its main office in Eureka, CA as well as on the District's website (www.hbmwd.com). Documentation showing the adopted UWMP was available for public review is included (Appendix D).

10.7 Notification to Public Utilities Commission

The District's 2025 UWMP and WSCP were submitted to the California Public Utilities Commission as part of its general rate case filings.

10.8 Plan Implementation

The District will implement its 2025 UWMP after adoption pursuant to this chapter in accordance with the schedule set forth in its plan.

10.9 Amending an Adopted Urban Water Management Plan or Water Shortage Contingency Plan

10.9.1 Amending a UWMP or WSCP

Any changes to the 2025 UWMP or WSCP shall be adopted by the District's Board of Directors. All notification, public hearing, adoptions, and submittal requirements shall be followed for an amended plan. The District's WSCP was reviewed during the preparation of the 2025 UWMP. It was determined that the analysis and methodology for determining water shortage stages was still applicable without modification.

10.9.2 Submitting Revised Water Shortage Contingency Plan

If the WSCP is revised and adopted by the District's Board of Directors, the District will follow notification, public hearing, adoptions, and submittal requirements for an amended plan.

Submittal Table 10-1 Wholesale: Notification to Cities and Counties Water Code Section 10621(b) and 10642		
☐	Check the box if the Supplier has notified more than 10 cities or counties. **Completion of the table below is not required. Provide a separate list of the cities and counties that were notified.**	
	Provide the page or location of this list in the UWMP.	
☑	Check the box if the Supplier has notified 10 or fewer cities or counties. **Complete the table below.**	
City Name	60 Day Notice **Drop Down (yes/no)**	Notice of Public Hearing **Drop Down (yes/no)**
Add additional rows as needed		
Humboldt County Public Wo	Yes	Yes
Humboldt County Planning Dept	Yes	Yes
City of Arcata	Yes	Yes
City of Eureka	Yes	Yes
Humboldt CSD	Yes	Yes
McKinleyville CSD	Yes	Yes
City of Blue Lake	Yes	Yes
Fieldbrook-Glendale CSD	Yes	Yes
Manila CSD	Yes	Yes
County Name **Drop Down List**	60 Day Notice **Drop Down (yes/no)**	Notice of Public Hearing **Drop Down (yes/no)**
Add additional rows as needed		
Humboldt County	Yes	Yes
NOTES:		

References

Bechtel Corporation, October 1960, Engineering Report on Mad River Development

California Natural Resource Agency, August 27, 2018. North Coast Region Report for California's Fourth Climate Change Assessment

Humboldt Bay Municipal Water District, 2020, Urban Water Management Plan

U.S. Army Corps of Engineers, 1968, Interim Review Report for Water Resources Development, Mad River, California

U.S. Army Corps of Engineers, 1968, Interim Review Report for Water Resources Development, Mad River, California."

TABLES

Submittal Table 2-2: Plan Identification		
Select One	**Type of Plan**	**Name of Regional Alliance or RUWMP** (Drop Down List)
☑	**Individual UWMP**	
	If Water Supplier is also a member of a SB X7-7 Regional Alliance, select name from the drop-down.	
☐	**Regional Urban Water Management Plan (RUWMP)**	
	If Supplier selected RUWMP, select name from the drop-down.	
NOTES:		

Submittal Table 2-3: Supplier Identification	
Type of Supplier (select one or both)	
☑	Supplier is a wholesale supplier
☐	Supplier is a retail supplier
Fiscal or Calendar Year (select one)	
☑	UWMP Tables are in calendar years
☐	UWMP Tables are in fiscal years
If using fiscal years provide month and date that the fiscal year begins (mm/dd)	
Units of measure used in UWMP (Select from the drop down list).	
Unit	AF
DWR NOTES: **Units of measure (AF, CCF, MG)** must remain consistent throughout the UWMP as reported in Submittal Table 2-3.	
NOTES:	

Submittal Table 3-1 Wholesale: Population - Current and Projected Water Code Section 10631(a)						
Population Served	2025	2030	2035	2040	2045	2050(opt)
	95,225	101,462	100,529	99,581	98,665	97,758
NOTES: Data from the California Department of Finance (DOF) to determine the estimated population served by the District. Staff at the Humboldt County Planning determine the						

Optional **Submittal Table 4-1 Wholesale: Total Uses for Potable and Non-Potable Water — Actual** **Water Code Section 10631(d)(1)**			
Use Type	Additional Description (as needed)	2025 Actual Water Use	
Drop down list May select each use multiple times These are the only use types that will be recognized by the WUEdata online submittal tool		**Potable or Non-Potable** (OPTIONAL) Drop down list	Volume (AF)
Add additional rows as needed			
Sales to other agencies	City of Arcata	Potable	1797
Sales to other agencies	City of Eureka	Potable	3418
Sales to other agencies	Humboldt CSD	Potable	727
Sales to other agencies	McKinleyville CSD	Potable	1456
Sales to other agencies	City of Blue Lake	Potable	202
Sales to other agencies	Fieldbrook-Glendale CSD	Potable	193
Sales to other agencies	Manila CSD	Potable	128
Incidental Retail Use	HBMWD Retail Customers	Potable	158
Distribution System Water Loss	Estimated Loss (20%)	Potable	2,019.75
		Subtotal Potable	10,099
		Subtotal Non-Potable	0
		Total	10,099
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.			
NOTES:			

Optional **Submittal Table 4-2 Wholesale: Total Uses for Potable and Non-Potable Water — Projected** **Water Code Section 10631(d)(1)**							
Use Type	Additional Description (as needed)	**Projected Water Use** (Report To the Extent that Records are Available)					
Drop down list May select each use multiple times These are the only Use Types that will be recognized by the WUEdata online submittal tool.		**Potable or Non-Potable** (OPTIONAL) Drop down list	**2030 (AF)**	**2035 (AF)**	**2040 (AF)**	**2045 (AF)**	**2050 opt (AF)**
Add additional rows as needed							
Sales to other agencies	City of Arcata	Potable	1977	2197	2423	2658	
Sales to other agencies	City of Eureka	Potable	3703	3668	3634	3600	
Sales to other agencies	Humboldt CSD	Potable	798	826	856	885	
Sales to other agencies	McKinleyville CSD	Potable	1531	1565	1611	1673	
Sales to other agencies	City of Blue Lake	Potable	209	209	209	209	
Sales to other agencies	Fieldbrook-Glendale CSD	Potable	215	215	215	215	
Sales to other agencies	Manila CSD	Potable	129	129	129	129	
Incidental Retail Use	HBMWD Retail Customers	Potable	295	295	295	295	
Distribution System Water Loss	Estimated Loss	Potable	2214	2276	2343	2416	
			11,071	11,379	11,716	12,079	
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.							
NOTES:							

Optional **Submittal Table 4-5 Wholesale: Water Loss Audit Reporting Water Code Section 10631(d)(3)(A)**		
Public Water System ID #	Reporting Period	Submitted to DWR Water Loss Audit Program (yes/no)
Report submittal status for all five years for each Public Water System as available. Add rows as needed		
DWR NOTES: Suppliers will provide a link to the WUEdata submittals of their Water Loss Audit Reports.		
NOTES: Water Code Section 10631(d) does not require Wholesale Suppliers to report previous five-years distribution system water loss in their UWMP.		

Submittal Table 6-1 Wholesale: Groundwater Volume Pumped							
☑	Check the box if the Supplier does not pump groundwater.						
☐	Check the box if all or part of the groundwater described below is desalinated. (OPTIONAL)						
Groundwater Type **Drop Down List** May use each category multiple times	Potable or Non-Potable (OPTIONAL) Drop down list	Location or Basin Name	2021 (AF)	2022 (AF)	2023 (AF)	2024 (AF)	2025 (AF)
Add additional rows as needed							
		Total	0	0	0	0	0
DWR NOTES:							
NOTES:							

10631(4) If groundwater is identified as an existing or planned source of water available to the supplier, all of the following (C) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

Submittal Table 6-3 Wholesale: Wastewater Treatment and Discharge Within Service Area
Water Code Section 10633(b)

☑	Check the box if the Wholesale Supplier neither distributes nor provides supplemental treatment to recycled water. Proceed to the next table.

Wastewater Treatment Plant Name and Place ID Number **Drop down list**	Does This Plant Treat Wastewater Generated Outside the UWMP Service Area? (OPTIONAL) **Drop down list**	2025 Volume of Wastewater Received from UWMP Service Area (AF)	Total 2025 Volume of Water Treated (AF)	2025 Outcomes of Treated Wastewater											
				Water Recycled Within UWMP Service Area (enter data as applicable)		**Water Recycled Outside of UWMP Service Area** (enter data as applicable)		**Effluent Discharge that is not a Permitted Recycled Water Use** (enter data as applicable)		**Required Discharge for Instream Flow** (enter data as applicable)		**Delivered to Another Entity for Additional Treatment** (enter data as applicable)		
				Treatment Level **Drop down list**	Volume (AF)	Treatment Level **Drop down list**	Volume (AF)	Treatment Level **Drop down list**	Volume (AF)	Treatment Level **Drop down list**	Volume (AF)	Treatment Level **Drop down list**	Volume (AF)	Name of other entity
Add additional rows as needed.														
Total		0	0		0		0		0		0		0	

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.
IPR: Indirect Potable Reuse would have the treatment level of its end use requirement in the Level of Treatment drop-down.
Additional Guidance: See Appendix M, Section M.21 for detailed guidance on this table.

NOTES:

Submittal Table 6-4 Wholesale: Current and Projected Recycled Water Uses
Water Code Section 10633(c),(d),(e)

☑	Check box if recycled water is not used and is not planned for use within the service area of the supplier. The supplier will only complete the column on "Potential Recycled Water Use" and submit an accompanying narrative on the feasibility of that potential recycled water use.
Name(s) of Facility/ies Producing (Treating) the Recycled Water (OPTIONAL) :	
Name of Supplier Operating the Recycled Water Distribution System (OPTIONAL) :	
Volume of Supplemental Water Added in 2025 (OPTIONAL) :	
Source of 2025 Supplemental Water (OPTIONAL) :	

Name of Receiving Supplier or Direct Use by Wholesale Supplier	Potable or Non-Potable (after treatment if treated) (OPTIONAL) Drop down list	Additional Information (as needed)	2025 (AF)	2030 (AF)	2035 (AF)	2040 (AF)	2045 (AF)	2050 (AF)	Potential Recycled Water Use	
									Volume (AF)	Narrative page number (OPTIONAL)
Add additional rows as needed										
		Subtotal Potable	0	0	0	0	0	0	0	
		Subtotal Non-Potable	0	0	0	0	0	0	0	
		Total	0	0	0	0	0	0	0	0

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table reports the unit of measure selected in Submittal Table 2-3.
Additional Guidance: See Appendix M, Section M.21 for detailed guidance on this table.
Potential recycled water use: a description of the feasibility of these uses must be included in the narrative.
Multiple Producers: If you have multiple recycled water producers, submit a separate table for each.

NOTES:

Submittal Table 6-5 Wholesale: 2020 UWMP Recycled Water Use Projection Compared to 2025 Actual
Water Code Section 10633(e)

☑	Check the box if recycled water was not used or distributed by the supplier in 2025, nor projected for use or distribution in 2020. Proceed to the next table.

Name of Receiving Supplier or Direct Use by Wholesale Supplier	2020 Projection for 2025 (AF)	2025 Actual Use (AF)
Add additional rows as needed		
Total	0	0

DWR NOTES:
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.
Additional Guidance: See Appendix M, Section M.21 for detailed guidance on this table.

NOTES:

Submittal Table 6-7 Wholesale: Expected Future Water Supply Projects or Programs Water Code Section 10631(f)							
☑	Check the box if there are no expected future water supply projects or programs that provide a quantifiable increase to the agency's water supply. Proceed to the next table.						
☐	Check the box if some or all of the supplier's future water supply projects or programs are not compatible with this table and are described in a narrative format.						
	Provide page location of narrative in the UWMP						
Name of Future Projects or Programs	Joint Project with other suppliers?		Additional Description (as needed)	Potable or Non-Potable (after treatment if treated) (OPTIONAL) Drop down list	Planned Implementation Year	Planned for Use in Year Type **Drop Down list**	Expected Increase in Water Supply to Supplier (This may be a range) (AF)
	Drop Down List (yes/no)	If Yes, Supplier Name					
Add additional rows as needed							
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure reported in Submittal Table 2-3.							
NOTES:							

Submittal Table 6-8 Wholesale: Water Supplies — Actual
Water Code Section 10631(b)

Water Supply	Additional Description (as needed)	2025		
Drop down list May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool		**Potable or Non-Potable** (after treatment if treated) (OPTIONAL) Drop Down list	Actual Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)
Add additional rows as needed				
Surface water (not desalinated)	Mad River Storage and Diversion	Potable	10,099	
		Subtotal Potable	10,099	0
		Subtotal Non-Potable	0	0
		Total	10,099	0

DWR NOTES:

Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in Submittal Table 2-3.

Total Entitlement: e.g. Water Right, Groundwater Allocation, Contracted Amount.

NOTES: Based on vulume of sales plus an estimated system loss of 20%. System loss is measure from the diversion point to the retailer meters.

Submittal Table 6-9 Wholesale: Water Supplies — Projected
Water Code Section 10631 (b)

Water Supply			Projected Water Supply (Report to the Extent Practicable)									
			2030		2035		2040		2045		2050 (opt)	
Drop down list May use each category multiple times.These are the only water supply categories that will be recognized by the WUEdata online submittal tool	Additional Detail on Water Supply	**Potable or Non-Potable** (after treatment if treated) (OPTIONAL) Drop Down list	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)	Reasonably Available Volume (AF)	Total Entitlement (OPTIONAL) See 'DWR Notes' below (AF)
Add additional rows as needed												
Surface water (not desalinated)	Mad River Storage and	Potable	28,480		28,480		28,480		28,480		28,480	
		Subtotal Potable	28,480	0	28,480	0	28,480	0	28,480	0	28,480	0
		Subtotal Non-Potable	0	0	0	0	0	0	0	0	0	0
		Total	28,480	0	28,480	0	28,480	0	28,480	0	28,480	0

DWR NOTES:

Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table identifies the unit of measure selected in a Submittal Table 2-3.

Total Entitlement: e.g. Water Right, Groundwater Allocation, Contracted Amount.

NOTES:

10631. A plan shall be adopted in accordance with this chapter that shall do all of the following... (b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year

OPTIONAL Submittal Table 7-1 Wholesale: Basis of Water Year Data (Reliability Assessment)

Year Type	Base Year If not using a calendar year, type in the last year of the fiscal, water year, or range of years, for example, water year 2024-2025, use 2025	Available Supplies if Year Type Repeats	
		☐ Check the box if quantification of available supplies is not compatible with this table and is provided elsewhere in the UWMP. **Location:** [insert location from UWMP]	
		Quantification of available supplies is provided in this table as either volume only, percent only, or both.	
		Volume Available (AF)	**% of Average Supply**
Average Year	1989	984,409	100%
Single-Dry Year	1977	108,540	11%
Consecutive Dry Years 1st Year	1988	481,779	49%
Consecutive Dry Years 2nd Year	1989	984,409	100%
Consecutive Dry Years 3rd Year	1990	578,522	59%
Consecutive Dry Years 4th Year	1991	370,769	38%
Consecutive Dry Years 5th Year	1992	286,682	29%

DWR NOTES: Supplier may use multiple versions of Submittal Table 7-1 W if different water sources have different base years and the supplier chooses to report the base years for each water source separately. If a Supplier uses multiple versions of Submittal Table 7-1 W, in the "Note" section of each submittal table, state that multiple versions of Submittal Table 7-1 W are being used and identify the particular water source that is being reported in each submittal table.
Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3. This table reports the unit of measure selected in Submittal Table 2-3.

NOTES: Average Year volume chosen based on average annual Mad River watershed discharges from 1951-202.

Submittal Table 7-2 Wholesale: Normal Year Supply and Use Comparison Water Code Section 10635 (a)					
	2030 (AF)	**2035 (AF)**	**2040 (AF)**	**2045 (AF)**	**2050 (AF)**
Supply totals (autofill from Submittal Table 6-9 W)	28,480	28,480	28,480	28,480	
Use totals (see OPTIONAL Submittal Table 4-2 W)	11,071	11,379	11,716	12,079	
Surplus/(shortfall)	17,409	17,101	16,764	16,401	
OPTIONAL Planned WSCP Actions					
WSCP - supply augmentation benefit					
WSCP - use reduction savings benefit					
Revised Surplus/(shortfall)					
DWR NOTES : Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.					
NOTES:					

Submittal Table 7-3 Wholesale: Single Dry Year Supply and Use Comparison Water Code Section 10635(a)					
	2030 (AF)	**2035 (AF)**	**2040 (AF)**	**2045 (AF)**	**2050 (AF)**
Supply totals	28,480	28,480	28,480	28,480	
Use totals	11,071	11,379	11,716	12,079	
Surplus/(shortfall)	17,409	17,101	16,764	16,401	
OPTIONAL Planned WSCP Actions					
WSCP - supply augmentation benefit					
WSCP - use reduction savings benefit					
Revised Surplus/(shortfall)					
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.					
NOTES:					

Submittal Table 7-4 Wholesale: Multiple Dry Years Supply and Use Comparison Water Code Section 10635(a)						
		2030 (AF)	2035 (AF)	2040 (AF)	2045 (AF)	2050 (AF)
First year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Second year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Third year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Fourth year	Supply totals	28,480	28,480	28,480	28,480	
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	0
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
Fifth year	Supply totals	28,480	28,480	28,480	28,480	28,480
	Use totals	11,071	11,379	11,716	12,079	
	Surplus/(shortfall)	17,409	17,101	16,764	16,401	28,480
	OPTIONAL Planned WSCP Actions					
	WSCP - supply augmentation benefit					
	WSCP - use reduction savings benefit					
	Revised Surplus/(shortfall)					
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.						
NOTES:						

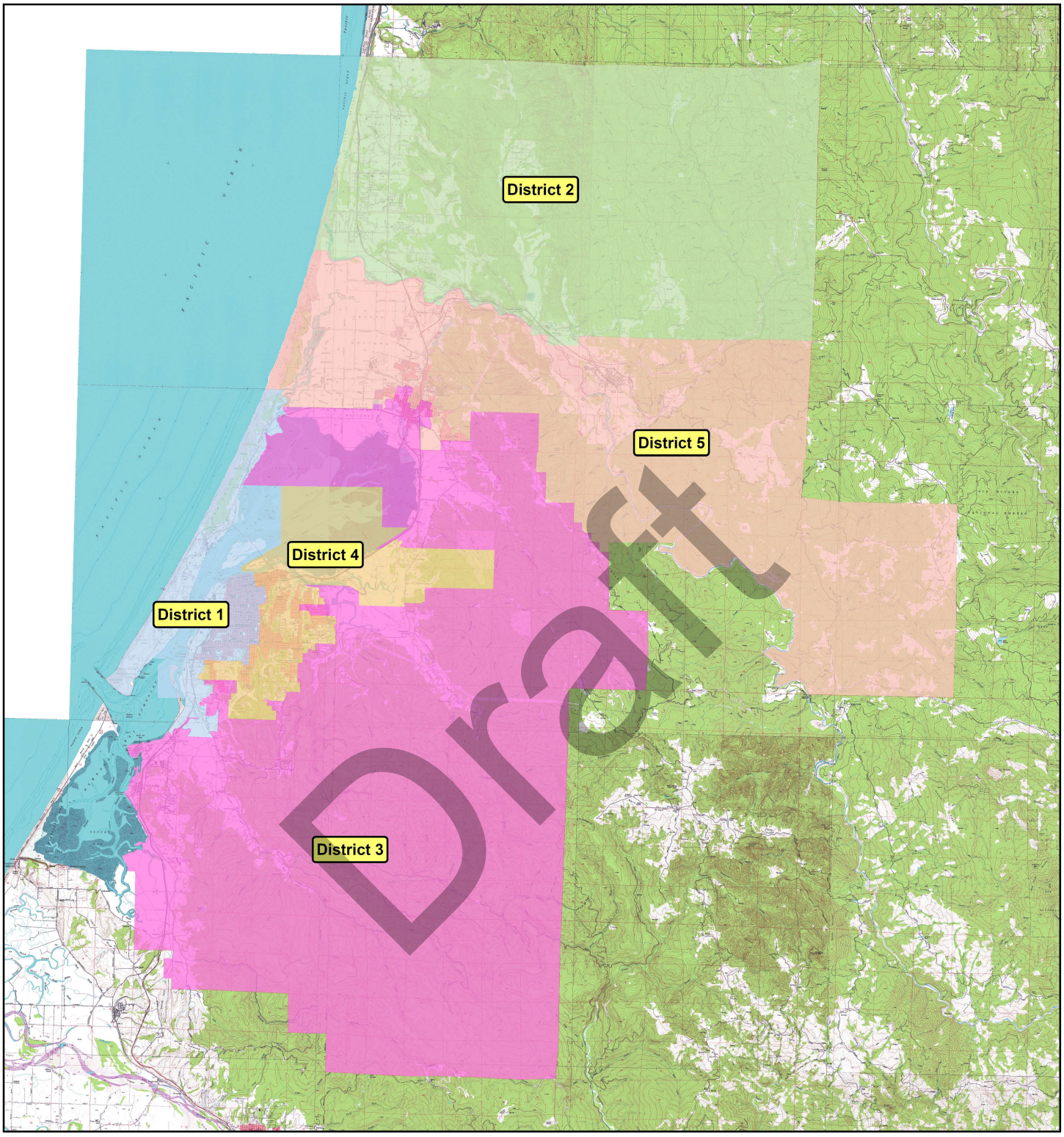
Submittal Table 7-5 Wholesale: Five-Year Drought Risk Assessment Water Code Section 10635(b)(3)	
2026	**Total**
Total Water Use (AF)	10,293
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	18,187
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	0
2027	**Total**
Total Water Use (AF)	10,488
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,992
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
2028	**Total**
Total Water Use (AF)	10,682
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,798
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
2029	**Total**
Total Water Use (AF)	10,877
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,603
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
2030	**Total**
Total Water Use (AF)	11,071
Total Supplies (AF)	28,480
Surplus/Shortfall w/o WSCP Action	17,409
OPTIONAL Planned WSCP Actions (use reduction and supply augmentation)	
WSCP - supply augmentation benefit (AF)	
WSCP - use reduction savings benefit (AF)	
Revised Surplus/(shortfall)	
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.	
NOTES:	

Submittal Table 8-1: Cross-reference for Standard vs Supplier Shortage Levels			
☐	Check the box if the Supplier uses the Standard six levels of water shortage. Proceed to the next table.		
Standard Shortage Levels	**Percent Shortage Range**	**Suppliers Shortage Levels**	**Percent Shortage Range**
1	Up to 10%	Stage 1 — Controlled Release from Storage: Only the amount of water needed for instream flow dedication and water supply purposes will be released from the reservoir. No demand reductions required.	Up to 10%
2	Up to 20%	Stage 2 — Optimizing Available Supply: Draft rate limited to 50 MGD. Domestic deliveries reduced by 5% (to 9.5 MGD); industrial deliveries reduced by 5% (to 38 MGD). Public outreach and voluntary conservation measures initiated	Up to 20%
3	Up to 30%	Stage 3 — General Reduction: Draft rate limited to 30 MGD. Domestic deliveries reduced by 10% (to 9 MGD); industrial deliveries reduced by 50% (to 20 MGD). Note: HBMWD's Stage 3 corresponds to both Level 3 and Level 4 shortage conditions per CWC §10632(b).	Up to 30%
4	Up to 40%	Stage 3 — General Reduction: Draft rate limited to 30 MGD. Domestic deliveries reduced by 10% (to 9 MGD); industrial deliveries reduced by 50% (to 20 MGD). Note: HBMWD's Stage 3 corresponds to both Level 3 and Level 4 shortage conditions per CWC §10632(b).	Up to 40%
5	Up to 50%	Stage 4 — Usage Allocations: Draft rate limited to 20 MGD. Domestic deliveries reduced by 20% (to 8 MGD); industrial deliveries reduced by 70% (to 12 MGD).	Up to 50%
6	>50%	Stage 5 — Rationing: Draft rate limited to 10 MGD. Domestic deliveries reduced by 30–50%; industrial deliveries limited to amounts required for human consumption, sanitation, and fire protection.	>50%
NOTES:			

Submittal Table 8-2 Wholesale: Supply Augmentation and Other Actions Water Code Section 10632(a)(4)(A),(C) and (E)				
Yes	Is the Supplier completing this table using the standard six levels? (yes/no)			
Shortage Level	Supply Augmentation Methods and Other Actions by Water Supplier **Drop down list** These are the only categories that will be accepted by the WUEdata online submittal tool	How much is this going to reduce the shortage gap?		Additional Explanation or Reference (OPTIONAL)
		Volume or Percentage Drop down	Shortage Gap Reduction Value (May be a range) (AF)	
Add additional rows as needed				
DWR NOTES: Units of measure (AF, CCF, MG) must remain consistent throughout the UWMP as reported in Submittal Table 2-3.				
NOTES:				

Submittal Table 10-1 Wholesale: Notification to Cities and Counties Water Code Section 10621(b) and 10642		
☐	Check the box if the Supplier has notified more than 10 cities or counties. **Completion of the table below is not required. Provide a separate list of the cities and counties that were notified.**	
	Provide the page or location of this list in the UWMP.	
☑	Check the box if the Supplier has notified 10 or fewer cities or counties. **Complete the table below.**	
City Name	60 Day Notice **Drop Down (yes/no)**	Notice of Public Hearing **Drop Down (yes/no)**
Add additional rows as needed		
Humboldt County Public Wo	Yes	Yes
Humboldt County Planning Dept	Yes	Yes
City of Arcata	Yes	Yes
City of Eureka	Yes	Yes
Humboldt CSD	Yes	Yes
McKinleyville CSD	Yes	Yes
City of Blue Lake	Yes	Yes
Fieldbrook-Glendale CSD	Yes	Yes
Manila CSD	Yes	Yes
County Name **Drop Down List**	60 Day Notice **Drop Down (yes/no)**	Notice of Public Hearing **Drop Down (yes/no)**
Add additional rows as needed		
Humboldt County	Yes	Yes
NOTES:		

FIGURES



N
W E
S

Miles
0 0.5 1 2 3 4 5 6 7 8

LEGEND

Districts

Base Image Data Source:
1:24,000 Digital Raster Graph Mosaic of Humboldt County, California

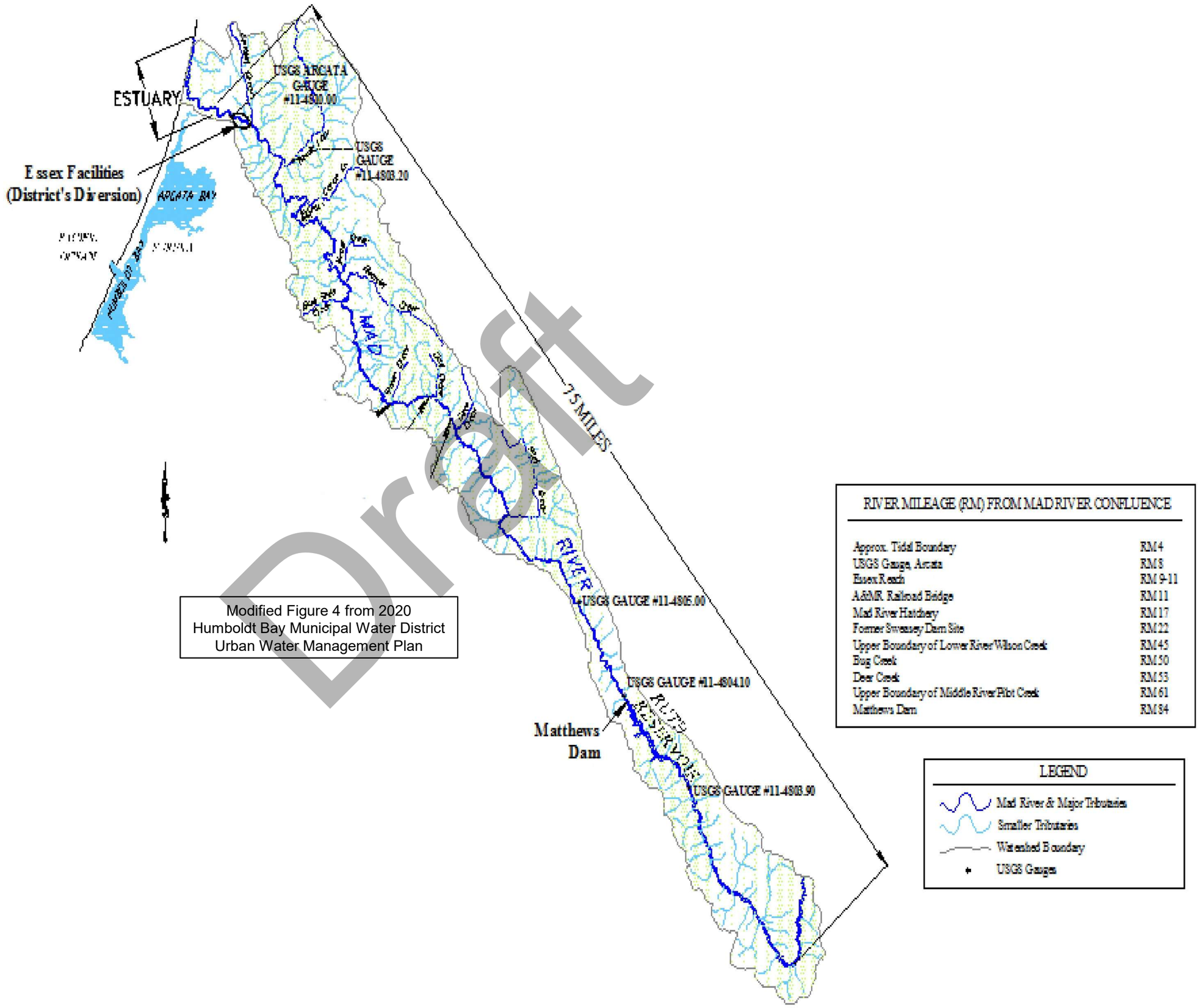
ALL LOCATIONS APPROXIMATE

Humboldt Bay Municipal Water District
Urban Watershed Management Plan

Figure 1
Districts

Freshwater Environmental Services

Project No.	Figure Date	By
HBMWD UWMP	2-12-26	SJT



Modified Figure 4 from 2020
Humboldt Bay Municipal Water District
Urban Water Management Plan

Humboldt Bay Municipal Water District Urban Water Management Plan		
Figure 2 Map of HBMWD Water System		
Project No. HBMWD	Figure Date 5-2-26	By SJT

Freshwater
Environmental
Services

APPENDIX A

2025 UWMP CHECKLIST

Retail (x = required)	Wholesale (x = required)	Order	2025 Guide book Location	Water Code Section	Summary as Applies to UWMP	Subject	Relevant Submittal Table	2025 UWMP Location
x	x	1	Chapter 1	10615	A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities.	Introduction and overview	n/a	1
x	x	1	Chapter 1	10630.5	Each plan shall include a simple description of the Supplier's plan including water availability, future requirements, a strategy for meeting needs, and other pertinent information. Additionally, a Supplier may also choose to include a simple description at the beginning of each chapter.	Plan preparation	n/a	1
x	x	2.1	Section 2.1	10620(b)	Every person that becomes a Supplier shall adopt UWMP within one year after it has become a Supplier.	Plan preparation	n/a	3
x	n/a	2.5	Section 2.5	10644	Supplier shall report the Public Water Systems number, volume of delivered water, and number of connections that are included in this UWMP.	Plan preparation	n/a	n/a
x	x	2.5	Section 2.5	10644	Supplier shall report if this UWMP is an individual UWMP and whether the Supplier belongs to a regional UWMP or regional alliance.	Plan preparation	2-2	3
x	x	2.5	Section 2.5	10644	Supplier shall report whether the data is in fiscal or calendar years and the units of measure used for reporting water volumes.	Plan preparation	2-3	3
x	x	2.4	Section 2.4	10642	Provide supporting documentation that the Supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan and contingency plan.	Plan preparation	n/a	4
x	x	2.4	Section 2.4.2	10620(d)(3)	Coordinate the preparation of its plan with other appropriate agencies in the area, including other Suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	Plan preparation	n/a	4
x	n/a	2.4	Section 2.4.1	10631(h)	Retail Suppliers will include documentation that they have provided their Wholesale Supplier(s)—if any—with water use projections from that source.	Plan preparation	2-4 R	n/a
n/a	x	2.4	Section 2.4.1	10631(h)	Wholesale Suppliers will provide their Suppliers with identification and quantification of the existing and planned sources of water available from the Wholesale Supplier to the Supplier during various water year types.	Plan preparation	2-4 W	5
x	x	3	Chapter 3.0	10631(a)	Describe the Supplier service area.	System description	n/a	7
x	x	3.3	Section 3.3	10631(a)	Describe the climate of the Supplier's service area.	System description	n/a	8
x	x	3.4	Section 3.4.1	10631(a)	Provide the current and projected service area populations for 2030, 2035, 2040, 2045 and optionally 2050.	System description	3-1	10
x	x	3.4	Section 3.4.2	10631(a)	Describe other social, economic, and demographic factors affecting the Supplier's water management planning.	System description	n/a	10
x	x	3.5	Section 3.5	10631(a)	Describe the land uses within the service area… include the current and projected land uses within the existing or anticipated service area affecting the Supplier's water management planning. Describe the land uses within the service area.	System description and baselines	n/a	10
x	Optional	4.2	Sections 4.2.3 and 4.2.4	10631(d)(1)	Quantify past, current, and projected water use, identifying the uses among water use sectors.	System water use	4-1 and 4-2	11
x	Optional	4.3	Section 4.3.1	10631(d)(3)(A)	Report the distribution system water loss for each of the five years preceding the plan update.	System water use	4-5	13
x	n/a	4.3	Section 4.3.2	10631(d)(3)(C)	Retail Suppliers shall provide data to show the distribution loss standards were met.	System water use	4-6	n/a
x	n/a	4.2	Section 4.2.5.4	10631.1(a)	Include projected water use needed for lower income housing projected in the service area of the Supplier.	System water use	4-3	n/a
x	n/a	4.2	Section 4.2.5.3	10631(d)(4)(A)	In projected water use, include estimates of water savings from adopted codes, plans, and other policies or laws.	System water use	4-3	n/a
x	n/a	4.2	Section 4.2.5.3	10631(d)(4)(B)	Provide citations of codes, standards, ordinances, or plans used to make water use projections.	System water use	4-3	n/a
x	n/a	4.2	Section 4.2.5.3	10631(d)(4)(B)(ii)	To the extent that a Supplier reports the information described in subparagraph (A), an urban water Supplier shall… Indicate the extent that the water use projections consider savings from codes, standards, ordinances, or transportation and land use plans. Water use projections that do not account for these water savings shall be noted of that fact.	System water use	4-3	n/a
x	x	4.2	Section 4.2.5.6	10635(b)	Demands under climate change considerations must be included as part of the drought risk assessment.	System water use	n/a	12 and 17
n/a	x	5.1	Section 5.1	10608.4	Wholesale Suppliers shall include an assessment of present and proposed future measures, programs, and policies to help their Retail Suppliers achieve targeted water use reductions.	Baselines and targets	n/a	n/a
x	n/a	5.2	Section 5.2	10608.4	Retail Suppliers shall report on their compliance in meeting their water use targets. Reporting requirements will vary depending on whether the Supplier: - Was considered an urban retail water supplier in 2020, - Met its 2020 target in 2020, or - Was part of a merger or consolidation since 2020. Chapter 5 Subsections 5.2.1, 5.2.2, and 5.2.3 address each of these situations.	Baselines and targets	5-1	n/a
x	x	6.1	Section 6.1	10631(b)(2)	When multiple sources of water supply are identified, describe the management of each supply in relationship to other identified supplies.	System supplies	n/a	17
x	x	6.1	Sections 6.1 and 6.2	10631(b)(1)	Provide a discussion of anticipated supply availability under a normal, single dry year, and a drought lasting five years, as well as more frequent and severe periods of drought, including changes in supply due to climate change.	System supplies	n/a	26
x	x	6.2	Section 6.2.2	10631(b)(4)(C)	Indicate whether groundwater is an existing or planned source of water available to the Supplier. If groundwater is identified as an existing or planned source of water… (include) a detailed description and analysis of the location, amount and sufficiency of groundwater pumped by the Supplier for the past five years.	Water supplies and recycled water	6-1	18
x	x	6.2	Section 6.2.2	10631(b)(4)(A)	Indicate whether a groundwater sustainability plan or groundwater management plan has been adopted by the Supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	System supplies	n/a	18
x	x	6.2	Section 6.2.2	10631(b)(4)(B)	Describe the groundwater basin.	System supplies	n/a	18

x	x	6.2	Section 6.2.2	10631(b)(4)(B)	Indicate if the basin has been adjudicated and include a copy of the court order or decree and a description of the amount of water the Supplier has the legal right to pump.	System supplies	n/a	18
x	x	6.2	Section 6.2.2	10631(b)(4)(B)	For unadjudicated basins… (include) information as to whether DWR has identified the basin as a high- or medium-priority basin in the most current official departmental bulletin.	Water supplies and recycled water	n/a	18
x	x	6.2	Section 6.2.2	10631(b)(4)(B)	For unadjudicated basins… describe efforts by the Supplier to coordinate with sustainability or groundwater agencies to achieve sustainable groundwater conditions.	Water supplies and recycled water	n/a	18
x	x	6.2	Section 6.2.2.	10631(b)(4)(C)	If groundwater is identified as an existing or planned source of water… (include) a detailed description and analysis of the location, amount and sufficiency of groundwater pumped by the Supplier for the past five years.	System supplies	n/a	n/a
x	x	6.2	Section 6.2.2	10631(b)(4)(D)	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	System supplies	6-9	18
x	x	6.1	Section 6.1	10631(b)	Identify and quantify the existing and planned sources of water available for 2025, 2030, 2035, 2040, 2045 and optionally 2050.	System supplies	6-8 and 6-9	23
x	x	6.2	Section 6.2.7	10631(c)	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	System supplies	n/a	19
x	n/a	6.2	Section 6.2.5	10633(a)	Describe the wastewater collection and treatment systems in the Supplier's service area with quantified amount of collection and treatment and the disposal methods.	System supplies (recycled water)	6-2	n/a
x	x	6.2	Section 6.2.5	10633(b)	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	System supplies (recycled water)	6-3	18
x	x	6.2	Section 6.2.5	10633(c)	Describe the recycled water currently being used in the Supplier's service area.	System supplies (recycled water)	6-4	18
x	x	6.2	Section 6.2.5	10633(d)	Describe and quantify the potential uses of recycled water and provide a determination of the technical and economic feasibility of those uses.	System supplies (recycled water)	6-4	18
x	x	6.2	Section 6.2.5	10633(e)	Describe the projected use of recycled water within the Supplier's service area at the end of 5, 10, 15, and 20 years, and describe the actual use of recycled water in comparison to uses previously projected.	System supplies (recycled water)	6-4 and 6-5	19
x	x	6.2	Section 6.2.5	10633(f)	Describe the actions that may be taken to encourage the use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year.	System supplies (recycled water)	6-6	19
x	x	6.2	Section 6.2.5	10633(g)	Provide a plan for optimizing the use of recycled water in the Supplier's service area.	System supplies (recycled water)	n/a	19
x	x	6.2	Section 6.2.6	10631(g)	Describe desalinated water project opportunities for long-term supply.	System supplies	6-7	19
x	x	6.2	Section 6.2.10	10631(f)	Describe the expected future water supply projects and programs that may be undertaken by the water Supplier to address water supply reliability in average, single-dry, and for a period of drought lasting five consecutive water years.	System supplies	6-7	20
x	x	6.3	Section 6.3 and Appendix O	10631.2(a)	The UWMP must include energy information, as stated in the code, that a Supplier can readily obtain.	System suppliers, energy intensity	O-1A, O-1B, O-1C, and O-2	20
x		7.1	Section 7.1	10634	Provide information on the quality of existing sources of water available to the Supplier and the manner in which water quality affects water management strategies and supply reliability.	Water supply reliability assessment	n/a	24
x	x	7.2	Section 7.2	10635(a)	Service Reliability Assessment: Assess the water supply reliability during normal, dry, and a drought lasting five consecutive water years by comparing the total water supply sources available to the Supplier with the total projected water use over the next 20 years.	Water supply reliability assessment	7-2, 7-3, and 7-4	26
x	x	7.2	Section 7.2.3	10620(f)	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	Water supply reliability assessment	n/a	34
x	x	7.3	Section 7.3	10635(b)	Provide a drought risk assessment as part of information considered in developing the demand management measures and water supply projects.	Water supply reliability assessment	n/a	34
x	x	7.3	Section 7.3	10635(b)(1)	Include a description of the data, methodology, and basis for one or more supply shortage conditions that are necessary to conduct a drought risk assessment for a drought period that lasts five consecutive years.	Water supply reliability assessment	n/a	34
x	x	7.3	Section 7.3	10635(b)(2)	Include a determination of the reliability of each source of supply under a variety of water shortage conditions.	Water supply reliability assessment	n/a	35
x	x	7.3	Section 7.3	10635(b)(3)	Include a comparison of the total water supply sources available to the Supplier with the total projected water use for the drought period.	Water supply reliability assessment	7-5	35
x	x	7.3	Section 7.3	10635(b)(4)	Include considerations of the historical drought hydrology, plausible changes on projected supplies and demands under climate change conditions, anticipated regulatory changes, and other locally applicable criteria.	Water supply reliability assessment	n/a	35
x	x	8	Chapter 8	10632(a)	Provide a water shortage contingency plan (WSCP) with specified elements below.	Water shortage contingency planning	n/a	41
x	x	8	Chapter 8	10632(a)(1)	Provide an analysis of water supply reliability (from Guidebook Chapter 7) in the WSCP.	Water shortage contingency planning	n/a	41
x	x	8.2	Section 8.2	10632(a)(2)(A)	Provide the written decision-making process and other methods that the Supplier will use each year to determine its water reliability.	Water shortage contingency planning	n/a	41
x	x	8.2	Section 8.2	10632(a)(2)(B)	Provide data and methodology to evaluate the Supplier's water reliability for the current year and one dry year pursuant to factors in the code.	Water shortage contingency planning	n/a	30

x	x	8.3	Section 8.3	10632(a)(3)(A)	Define six standard water shortage levels of 10%, 20%, 30%, 40%, 50% shortage, and greater than 50% shortage. These levels shall be based on supply conditions, including percent reductions in supply, changes in groundwater levels, changes in surface elevation, or other conditions. The shortage levels shall also apply to a catastrophic interruption of supply.	Water shortage contingency planning	n/a	41
x	x	8.3	Section 8.3	10632(a)(3)(B)	Suppliers with an existing WSCP that uses different water shortage levels must cross reference their categories with the six standard categories.	Water shortage contingency planning	8-1	42
x	x	8.4	Section 8.4	10632(a)(4)(A)	Suppliers with WSCPs that align with the defined shortage levels must specify locally appropriate supply augmentation actions.	Water shortage contingency planning	8-2	41
x	x	8.4	Section 8.4	10632(a)(4)(B)	Specify locally appropriate demand reduction actions to adequately respond to shortages.	Water shortage contingency planning	8-3	42
x	x	8.4	Section 8.4	10632(a)(4)(C)	Specify locally appropriate operational changes.	Water shortage contingency planning	8-2	42
x	x	8.4	Section 8.4	10632(a)(4)(D)	Specify additional mandatory prohibitions against specific water use practices that are in addition to State-mandated prohibitions are appropriate to local conditions.	Water shortage contingency planning	Table 8-3	42
x	x	8.4	Section 8.4	10632(a)(4)(E)	Estimate the extent to which the gap between supplies and demand will be reduced by implementation of the action.	Water shortage contingency planning	8-2 and 8-3	46
x	x	8.4	Section 8.4.6	10632.5	The UWMP shall include a seismic risk assessment and mitigation plan.	Water shortage contingency plan	n/a	43
x	x	8.5	Section 8.5	10632(a)(5)(A)	Suppliers must describe that they will inform customers, the public and others regarding any current or predicted water shortages.	Water shortage contingency planning	n/a	43
x	x	8.5	Section 8.5	10632(a)(5)(B), 10632(a)(5)(C)	Suppliers must describe that they will inform customers, the public and others regarding any shortage response actions triggered or anticipated to be triggered and other relevant communications.	Water shortage contingency planning	n/a	43
x	n/a	8.6	Section 8.6	10632(a)(6)	Retail Supplier must describe how it will ensure compliance with and enforce provisions of the WSCP.	Water shortage contingency planning	n/a	n/a
x	x	8.7	Section 8.7	10632(a)(7)(A)	Describe the legal authority that empowers the Supplier to enforce shortage response actions.	Water shortage contingency planning	n/a	44
x	x	8.7	Section 8.7	10632(a)(7)(B)	Provide a statement that the Supplier will declare a water shortage emergency per Water Code Chapter 3. *Water Shortage Emergencies* .	Water shortage contingency planning	n/a	44
x	x	8.7	Section 8.7	10632(a)(7)(C)	Provide a statement that the Supplier will coordinate with any city or county within which it provides water for the possible proclamation of a local emergency.	Water shortage contingency planning	n/a	43
x	x	8.8	Section 8.8	10632(a)(8)(A)	Describe the potential revenue reductions and expense increases associated with activated shortage response actions.	Water shortage contingency planning	n/a	44
x	x	8.8	Section 8.8	10632(a)(8)(B)	Provide a description of mitigation actions needed to address revenue reductions and expense increases associated with activated shortage response actions.	Water shortage contingency planning	n/a	44
x	n/a	8.8	Section 8.8	10632(a)(8)(C)	Retail Suppliers must describe the cost of compliance with Water Code Chapter 3.3, *Excessive Residential Water Use During Drought* .	Water shortage contingency planning	n/a	n/a
x	n/a	8.9	Section 8.9	10632(a)(9)	Retail Suppliers must describe the monitoring and reporting requirements and procedures that ensure appropriate data are collected, tracked, and analyzed for purposes of monitoring customer compliance.	Water shortage contingency planning	n/a	n/a
x	x	8.10	Section 8.10	10632(a)(10)	Describe reevaluation and improvement procedures for monitoring and evaluation the WSCP to ensure risk tolerance is adequate and appropriate water shortage mitigation strategies are implemented.	Water shortage contingency planning	n/a	45
x	n/a	8.11	Section 8.11	10632(b)	Analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains, separately from swimming pools and spas.	Water shortage contingency planning	n/a	n/a
x	x	8.12	Section 8.12	10632(c)	Make available the WSCP to customers and any city or county where it provides water within 30 days after adoption of the plan.	Water shortage contingency planning	n/a	52
x	n/a	9.1	Sections 9.1	10631(e)(1)	Retail Suppliers shall provide a description of the nature and extent of each demand management measure implemented over the past five years. The description will address specific measures listed in code.	Demand management measures	n/a	n/a
n/a	x	9.2	Sections 9.2	10631(e)(2)	Wholesale Suppliers shall describe specific demand management measures listed in code, their distribution system asset management program, and Supplier assistance program.	Demand management measures	n/a	50
x	n/a	10	Chapter 10	10608.26(a)	Retail Suppliers shall conduct a public hearing to discuss adoption, implementation, and economic impact of water use targets (recommended to discuss compliance).	Plan adoption, submittal, and implementation	n/a	n/a
x	x	10.2	Section 10.2.1	10621(b)	Notify, at least 60 days prior to the public hearing, any city or county within which the Supplier provides water that the Supplier will be reviewing the UWMP and considering amendments or changes to the plan.	Plan adoption, submittal, and implementation	10-1	52
x	x	10.4	Section 10.4	10621(f)	Each urban water Supplier shall update and submit its 2025 plan to DWR by July 1, 202 6.	Plan adoption, submittal, and implementation	n/a	52
x	x	10.2	Sections 10.2.2, 10.3, and 10.5	10642	Provide supporting documentation that the Supplier made the UWMP and WSCP available for public inspection, published notice of the public hearing, and held a public hearing about the UWMP and WSCP.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.2	Section 10.2.2	10642	The Supplier is to provide the time and place of the hearing to any city or county within which the Supplier provides water.	Plan adoption, submittal, and implementation	10-1	53
x	x	10.3	Section 10.3.2	10642	Provide supporting documentation that the UWMP and WSCP has been adopted as prepared or modified.	Plan adoption, submittal, and implementation	n/a	53

x	x	10.4	Section 10.4	10644(a)	Provide supporting documentation that the Supplier has submitted their UWMP to the California State Library.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.4	Section 10.4	10644(a)(1)	Provide supporting documentation that the Supplier has submitted their UWMP to any city or county within which the Supplier provides water no later than 30 days after adoption.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.4	Sections 10.4.1 and 10.4.2	10644(a)(2)	The UWMP, or amendments to the UWMP, submitted to DWR shall be submitted electronically.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.7	Section 10.7.2	10644(b)	If revised, submit a copy of the WSCP to DWR within 30 days of adoption.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.5	Section 10.5	10645(a)	Provide supporting documentation that, not later than 30 days after filing a copy of its UWMP with DWR, the Supplier has or will make the plan available for public review during normal business hours.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.5	Section 10.5	10645(b)	Provide supporting documentation that, not later than 30 days after filing a copy of its WSCP with DWR, the Supplier has or will make the plan available for public review during normal business hours.	Plan adoption, submittal, and implementation	n/a	53
x	x	10.6	Section 10.6	10621(c)	If Supplier is regulated by the Public Utilities Commission, include its plan and contingency plan as part of its general rate case filings.	Plan adoption, submittal, and implementation	n/a	53

APPENDIX B

2025 UWMP WORKING GROUP MEETING DOCUMENTS

HBMWD 2025 UWMP Working Group Meeting #1

Tuesday, March 24, 2026 11:12 AM

Meeting Date: 3/24/2026 10:00 AM
Location: Microsoft Teams Meeting
Link to Outlook Item: *click here*
Invitation Message
Content
Participants

- **HBMWD 2025 UWMP Working Group**
- Annmarie Behan, HBMWD, Associate Engineer
- Chris Harris, HBMWD Director of Finance and HR
- Orrin Plocher, Freshwater Environmental Services - Consultant for HBMWD and Eureka UWMP Preparation
- Kelly Allen, - Eureka Director of Public Works
- Michael Hanson, - Eureka Deputy Director of Public Works - Utilities Operations
- Kristin Galt, Eureka Public Works Analyst
- Doug Culbert, Arcata Dept of Env Services
- Rachel Hernandez, Arcata Wastewater Operations Compliance Manager
- Scott Sinnott, - Arcata Environmental Compliance Technician
- Sam King, MCSD - GIS Analyst (working with James Henry - Operations Director)
- Terrence Williams, HCSD GM
- Ana Rodriguez, HCSD Utilities Planner

Notes

- HBMWD Introduction of staff (AB)
  - ✓ AB and CH
- Participant check-in, (AB)
  - ✓ See above Participants
- HBMWD potential water rights changes in 2029 (CH)
  - ✓ Petition for change on going - this would involve dedicating additional water to the river for environmental beneficial use.
  - ✓ Permit up for review in 2029. District intends to apply for licensing. The District does not use that much water relative to other agencies in the state so we would be low priority for State review.
  - ✓ District has rights for 75 MGD and we use 8-10 MGD so our water rights will very likely be trimmed down.
- HBMWD UWMP status report, (OP)
  - ✓ HBMWD is 70-80% complete
- HBMWD UWMP schedule, (OP)

10.1 Plan Completion Timeline

Notice of preparation to cities and counties that the Supplier will be reviewing the UWMP and considering amendments to the plan.	February __ 2026
60 Day Notification of UWMP Review and Adoption Hearing. Legal Notice of Public Hearing (The Time-Standard, Mad River Union, and North Coast Journal Inc.)	April __, 2026
Legal Notice of Public Hearing (from The Time-Standard, Mad River Union, and North Coast Journal Inc.	April __, 2026
Public Hearing and Adoption 2025 UWMP	June ___, 2026
Submit the 2025 UWMP to the Department of Water Resources by July 1, 2026	June ___, 2026
Submittal to other agencies	July ____,2026
Submittal the Districts 2025 UWMP and WSCP to the California Public Utilities Commission as part of its general rate case filings.	July ____,2026

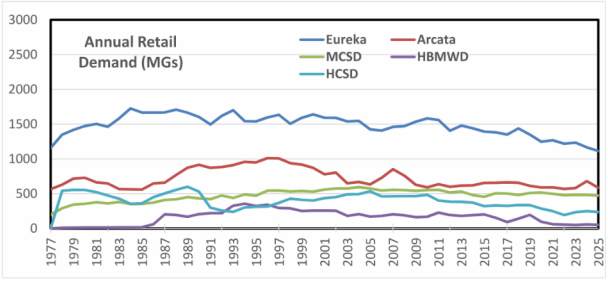
Updated schedule

Notice of preparation to cities and counties that the Supplier will be reviewing the UWMP and considering amendments to the plan, 60-days prior to public hearing	February 2, 2026
Legal Notice of Public Hearing (The Time-Standard, Mad River Union, and North Coast Journal Inc.)	May __, 2026
Legal Notice of Public Hearing (from The Time-Standard, Mad River Union, and North Coast Journal Inc.	May __, 2026
Public Hearing and Adoption 2025 UWMP	June ___, 2026
Submit the 2025 UWMP to the Department of Water Resources by July 1, 2026	June ___, 2026
Submittal to other agencies	June ____,2026
Submittal the Districts 2025 UWMP and WSCP to the California Public Utilities Commission as part of its general rate case filings.	June ____,2026

- Individual retailer UWMP status reports, (Group)
  - ✓ Arcata – started working on it, compiled 5 year data and started working on notifications
  - ✓ Eureka - ~50% complete
  - ✓ HCSD – started working on it, needs to collect some data, hope to get done in late April
  - ✓ MCSD - ~30% done, needs to collect some more data, 60-day notification complete
- HBMWD Population projections, (OP)
  - ✓ Based on percentage of County population
- Retailer status and methodology of population projections; (Group)
  - ✓ Eureka - based on census
  - ✓ HCSD - based on census, updated annually based on connection count, projections based on last decade of growth ~0.5%

- ✓ Arcata???
- ✓ MCSD???

- HBMWD supply projections, (OP)



Updated

Maximum Historic Use (1977-2025)	Arcata	Eureka	HCSD	MCSD
Max MGY	1012.5	1726.5	599.9	594.6
Max MGD	2.8	4.7	1.6	1.6
% of Contract	92%	68%	57%	63%
Max Contract MGD (2017)	3.0	7.0	2.9	2.6
Max Contract MGY	1095	2555	1058.5	949

- Agency Demand Projections, (Group)
  - ✓ Arcata - depends on the university and their student projections. There is one data center in town now, but so far hasn't affected usage. Exploring additional data centers
  - ✓ Eureka - low income housing being constructed in the parking lots are the primary developments
  - ✓ HCSD - annexed some property for construction of 300 living units. ~20-30yr development horizon
  - ✓ MCSD - town center ~5 yrs development horizon

- Open Group dialogue -- agencies can ask each other questions about UWMP approach and specifics. (Group)
  - ✓ No questions
- Goals for next meeting. (Group)
  - ✓ Compare demands versus supply

APPENDIX C

NOTICE OF PREPARATION TO NEIGHBORING MUNICIPALITIES

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 Seventh Street • Eureka, California 95501-1114
PO Box 95 • Eureka, California 95502-0095
Office 707-443-5018 • Fax 707-443-5731
Essex 707-822-2918 • Fax 707-822-8245
Email: Office@hbmwd.com
Website: www.hbmwd.com

February 4, 2026

Hank Seemann, Humboldt County Public Works, hseemann@co.humboldt.ca.us
John Ford, Humboldt County Planning Department, jford@co.humboldt.ca.us
Rachel Hernandez, City of Arcata, rhernandez@cityofarcata.org
Kelly Allen, City of Eureka, kallen@eurekaca.gov
TK Williams, Humboldt Community Services District, twilliams@humboldtcsd.org
Pat Kaspari, McKinleyville Community Services District, pkaspari@mckinleyvillecsd.com
Jennie Short, City of Blue Lake, citymanager@bluelake.ca.gov
Rick Hanger, Fieldbrook-Glendale Community Services District, gm@fgcsd.org
Chris Drop, Manila Community Services District, manilacsd1@sbcglobal.net

Subject: Re: 60-Day Notice Regarding Review of HBMWD's Urban Water Management Plan

California Water Code (CWC) 10621 (b) requires an urban water supplier who is preparing an Urban Water Management Plan (UWMP) to notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. CWC further requires each urban water supplier to coordinate the preparation of its UWMP with other appropriate area agencies including other water suppliers that share the same water sources, water management agencies, and other relevant public agencies.

This letter is Humboldt Bay Municipal Water District's (HBMWD's) notice to your agency that HBMWD is in the process of reviewing and updating its UWMP. As with the 2020 UWMP, HBMWD is preparing its 2025 UWMP and will be collaborating with the City of Arcata, the City of Eureka, Humboldt Community Services District, and McKinleyville Community Services District. If your agency would like to provide input or be involved in the review process, you are encouraged to contact myself or any of the above-named agencies to coordinate your participation.

If you have any questions, please feel free to call me at (707) 443-5018.

Sincerely,

Annmarie Behan, P.E., G.E.
Associate Engineer
Humboldt Bay Municipal Water District

cc: Michiko Mares and Chris Harris, HBMWD, gm@hbmwd.com and harris@hbmwd.com

APPENDIX D

NOTICE OF PUBLIC HEARING

APPENDIX E

PUBLIC HEARING DOCUMENTS

APPENDIX F

DOCUMENTATION OF 2025 UWMP PUBLIC AVAILABILITY

APPENDIX G

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
WATER SHORTAGE CONTINGENCY PLAN

8 Water Shortage Contingency Planning

8.1 Plan Overview and Coordination

8.1.1 Overview

HBMWD is a regional water wholesaler and is capable of delivering both potable water (through its Domestic Water System) and untreated surface water (through its Industrial Water System).

The District delivers potable water to seven municipalities via its Domestic Water System, who in turn serve the residents, businesses, and industries in the greater Humboldt Bay region. The seven municipalities include the City of Arcata, City of Blue Lake, City of Eureka, Fieldbrook-Glendale CSD, Humboldt CSD, Manila CSD, and McKinleyville CSD. Retail water service is provided to approximately 200 customers who are generally located closer to the District's transmission system than to any other municipal water service. The District's Domestic Water System is capable of supplying approximately 20 MGD of treated drinking water. Current production of treated drinking water for municipal purposes averages approximately 10 MGD. This municipal use includes residential, commercial, industrial, and agricultural uses of the water. Per capita water use rates in this region are low and likely benefit greatly from the moderate climate and abundant rainfall, as needs for agriculture and landscaping are often met with rainfall rather than municipal water.

The District's Industrial Water System is separate and distinct from its Domestic Water System and has been used for supplying untreated surface water to industrial customers. This Industrial Water System is capable of supplying 60 MGD of untreated water. The District has delivered untreated water to two large industrial customers (pulp mills) for the majority of the time since the 1960s. However, one of the pulp mills closed in the 1990s, and the remaining pulp mill ceased operation in 2009. With no existing industrial customers, the District has the capability of supporting future water supply needs, which they are currently exploring.

Wholesale water is provided to the District's customers under long-term contracts. These contracts specifically assert the District's right, in accordance with the California Water Code, to suspend the water delivery requirements of the contracts if the District's Board declares that an actual or potential water shortage exists, or if all wholesale customers and the District mutually agree to implement the Water Shortage Contingency Plan (plan). During the 1976-77 drought, which was the only declared water emergency in the history of the District, it was the policy and practice of the District to set maximum use targets for its wholesale municipal customers, allowing them to choose how to meet those targets. Since the wholesale industrial customers could not operate effectively at significantly reduced water consumption levels, they were required to repair leaks and increase the efficiency of their water use. A reservoir capacity was set at which all deliveries to the industrial customers would cease. Fortunately, capacity did not fall to that level. The current plan operates on these principles. The municipalities retain responsibility for control of allotments provided under the provisions of the plan. Any potential wholesale industrial customers will face the reductions outlined in each action stage, and the District's approximately 200 retail customers will be treated in accordance with the action stages of the plan.

The water that HBMWD provides to its customers, both domestic and industrial, ultimately comes from the Ruth Lake Reservoir and the Mad River watershed located below R.W. Matthews Dam at Ruth. The reservoir was designed for a safe yield of 75 MGD per year, using the 1923-24 drought of record. To calculate the safe yield of the reservoir, the Bechtel Study used the "Mad River runoff during the period October 1922 to September 1954…using available short term flow records at the

Forest Glen and Arcata gaging stations, supplemented by the long-term records for the Eel River at the Scotia gaging Station." After the 1976-77 drought, which was the only declared water emergency in the history of the District, the safe yield value of 75 MGD came into question and Winzler & Kelly re-evaluated the safe yield of the reservoir based on the 1976-77 drought data. That study came up with a safe yield of 67 MGD of the reservoir. That study was also hampered by the lack of accurate inflow data from above Ruth Lake. The recent drought (2012-2016) caused the District to revisit this safe yield value as further detailed in Section 8.2.

8.1.2 Coordination

Coordination in implementing this Water Shortage Contingency Plan is assured through the activation of the Water Task Force. The first task force was formed in 1977. This task force is convened as necessary to address drought conditions or other significant events which could result in a water supply shortfall. The Task Force is comprised of representatives of the District and each of its wholesale customers. The Water Tack Force's responsibilities include:

1. Review the status of the water supply and forecasts.
2. Recommend specific actions in accordance with this plan and each entity's own water shortage plan.
3. Assure that priority of allocations meets legal requirements of consistency and non-discrimination.
4. Coordinate media releases and public announcements.
5. Coordinate interaction with regulatory agencies such as the California Department of Water Resources, Fish and Wildlife, and California Department of Public Health.
6. Review and make recommendations about requests for waivers from, or exceptions to, actions taken pursuant to this plan.

8.2 Safe Reservoir Yield During a Drought

A Rippl mass diagram can be used to plot the cumulative inflow to the reservoir against time for the drought of record to assist in determining safe yield from the reservoir during an extended drought. The inflow and resulting cumulative storage volume can then be compared to the cumulative storage required for various draft (demand) rates to establish a maximum, constant draft rate that could be achieved over the course of the drought planning period (in this case, five consecutive years of drought).

The development of a Rippl mass diagram for this analysis incorporates the following assumptions:

- The reservoir begins full with 48,030 acre-ft of water on May 17 (based on the drought of record, the time period from May 1976 to November 1977);
- Inflow to the reservoir during the drought of record can be repeated multiple times to extend the 1-year drought to a 5-year planning period;
- The total inflow to the reservoir can be estimated by scaling the inflow at the Zenia Bridge gauge station by a factor equal to the ratio of watershed area contributing to the gauge station site to the watershed area contributing to the reservoir spillway (1.2 or 121 mi^2/93.8 mi^2);
- Demand is taken directly from the reservoir (i.e. there are no contributing flows downstream of the reservoir);

- Evaporative losses can be estimated based on reservoir levels during the drought of record;

The drought of record storage was determined using Equation 1.

$$S_i = S_{i-1} + I \quad \text{(EQ-1)}$$

where:
S_i = Storage (MG)
i_{1-730} = Time Step (day)
I = Net Inflow (MG)

$$where: I = \left(I_{zenia} * \left(\frac{121mi^2}{93.8mi^2}\right) - Evap\right)$$

Cumulative storage required for draft rates were determined using Equation 2.

$$S_i = S_{i-1} + D \quad \text{(EQ-2)}$$

where:
S_i = Storage (MG)
i_{1-730} = Time Step (day)
D = Demand (MG)

A maximum allowable constant draft rate of 35.5 MGD over the five-year planning period was calculated based on the drought of record inflow (see Figure 6).

The Rippl diagram shows that a maximum constant draft rate of 35.5 MGD could be achieved (reservoir would never be empty) based on the mass budget during the drought of record. This was determined based on the assumption that the inflow to the reservoir and evaporation volumes from the drought of record could be repeated to achieve a 5-year planning cycle. Inflow for the second through fifth years may overestimate the actual inflow that would occur in this period of the drought. Inflow during the second year of drought may be lower than the first year due to decreased runoff/increased soil uptake over the course of the previous year, and the case could be similar for the subsequent years of the drought. However, this overestimation is likely more than offset by the very conservative assumption that the demand is taken directly from the reservoir with no contribution from the watershed below Ruth Lake.

The maximum constant cumulative draft volume comes within approximately 278 MG of cumulative storage volume in February of the fifth drought year. At this point, approximately 8 days of storage remains at the maximum constant draft rate. This storage volume likely falls below the desired planning volume, and in actuality, conservation measures likely would have been implemented to reduce the constant draft and increase storage.

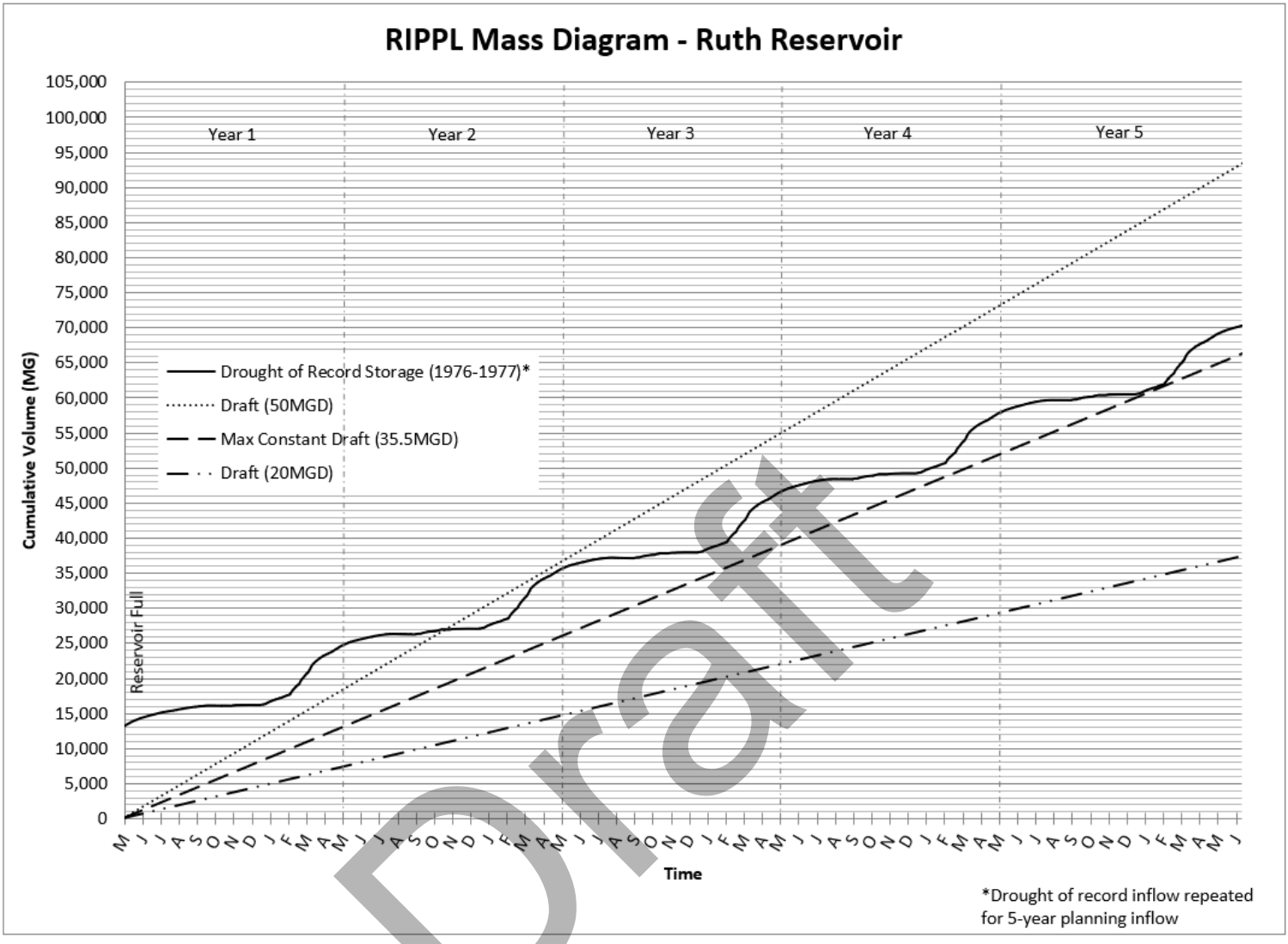


Figure 6. Rippl Mass Diagram for 5-year planning period

8.3 Stages of Action

There are five defined drought action stages (see Table 8-2). These stages correspond to standardized water shortage levels (up to 10, 20, 30, 40, and 50 percent shortage). The cross-reference relating the five drought action stages and standardized shortage levels is depicted graphically in Figure 7 – Figure 10. The stages and corresponding reservoir shortage levels vary on a seasonal basis as a result of water use and supply also typically varying on a seasonal basis. These stages may be implemented with or without a formal declaration of a water emergency by the District's Board of Directors. In the event circumstances merit or require a declaration of a water shortage emergency, it is the intent of the District to rely on this plan to provide the primary framework to deal with such an emergency. The triggers attached to each stage are not intended to be absolute. Circumstances not currently foreseeable may dictate moving to a higher action stage before the trigger levels for that stage are reached. Conversely, action stage implementation may be postponed or suspended if there is sufficient natural flow in the river to meet downstream needs. Action stages will be terminated, in consultation with the Water Task Force, as rain, runoff, and lake levels permit.

8.3.1 Stages and Conditions

An analysis was performed to develop reservoir operating curves and establish "action stages" or "trigger levels" that prompt various responses, dependent upon reservoir levels at various times of the year. The analysis established five drought action stages and associated maximum draft rates in the form of an Operating Curve (Figure 7 -Figure 10). This Operating Curve outlines the specific water supply conditions that are applicable to each stage. Stage implementation will occur as a result of the reservoir level at a given time of year, as shown in Figure 7-Figure 10. For example, if the reservoir storage level was at 25,000 acre-feet in November (up to 50% reservoir shortage), Stage 2 would be implemented.

Portions of water demand that need to be included when considering draft from the reservoir include domestic use, industrial use, and instream flow dedications. The municipalities that HBMWD serves currently use an average of approximately 10 MGD of District water. There are currently no industrial customers; however, there is potential for industrial customers in the future. There is also a minimum of 5 cfs that is to be released from the dam for fish flows. The District's Habitat Conservation Plan and Water Rights permit also establish fish flows that must always be present in the river (see Table 8-1).

Table 8-1: Mad River Flow Requirements for Fish

Period	Flow at Hwy 299 Bridge (cfs)
October 1 – October 15	30
October 16 – October 31	50
November 1 – June 30	75
July 1 – July 31	50
August 1 – August 31	40
September 1 – September 30	30

The flow values given in Table 8-1 are the flows that need to be measured at the Highway 299 bridge near the District's operation facilities at Essex, and they do not necessarily reflect flows that need to be released from the reservoir, as there are contributing flows to the Mad River below the reservoir. Furthermore, flows at the Highway 299 bridge are permitted to be as low as the "natural flow" calculation if that value is lower than those given in Table 8-1. The District will always maintain the minimum of 5 cfs as required, and has historically endeavored to meet the minimum flows as established in Table 8-1 to support healthy fish life. However, it is likely that in the event of a longer-term drought and during periods of the higher conservation Stages being enacted, the District may resort to the natural flow requirement and reduce discharges accordingly.

For the purpose of determining trigger responses, the following assumptions were made:

- The District is operating both its domestic and industrial systems.
- A domestic water delivery of 10 MGD and an industrial water delivery of 40 MGD were used. Although the industrial water system is not currently in use, this assumption accounts for the potential for future industrial water demand. It should also be noted, however, that the Operating Curve is based on total flow released from the reservoir (e.g. in Stage 2, 50 MGD can be released), and this flow can be apportioned based on domestic and industrial water consumption at that point in time.
- Because instream flow dedication requirements vary throughout the year, and can vary depending upon natural flow conditions, these flows were not included. However, flows released from the dam during the various action stages are generally above the flows that are required per Table 8-1.

Table 8-2: Drought Triggers Action Table

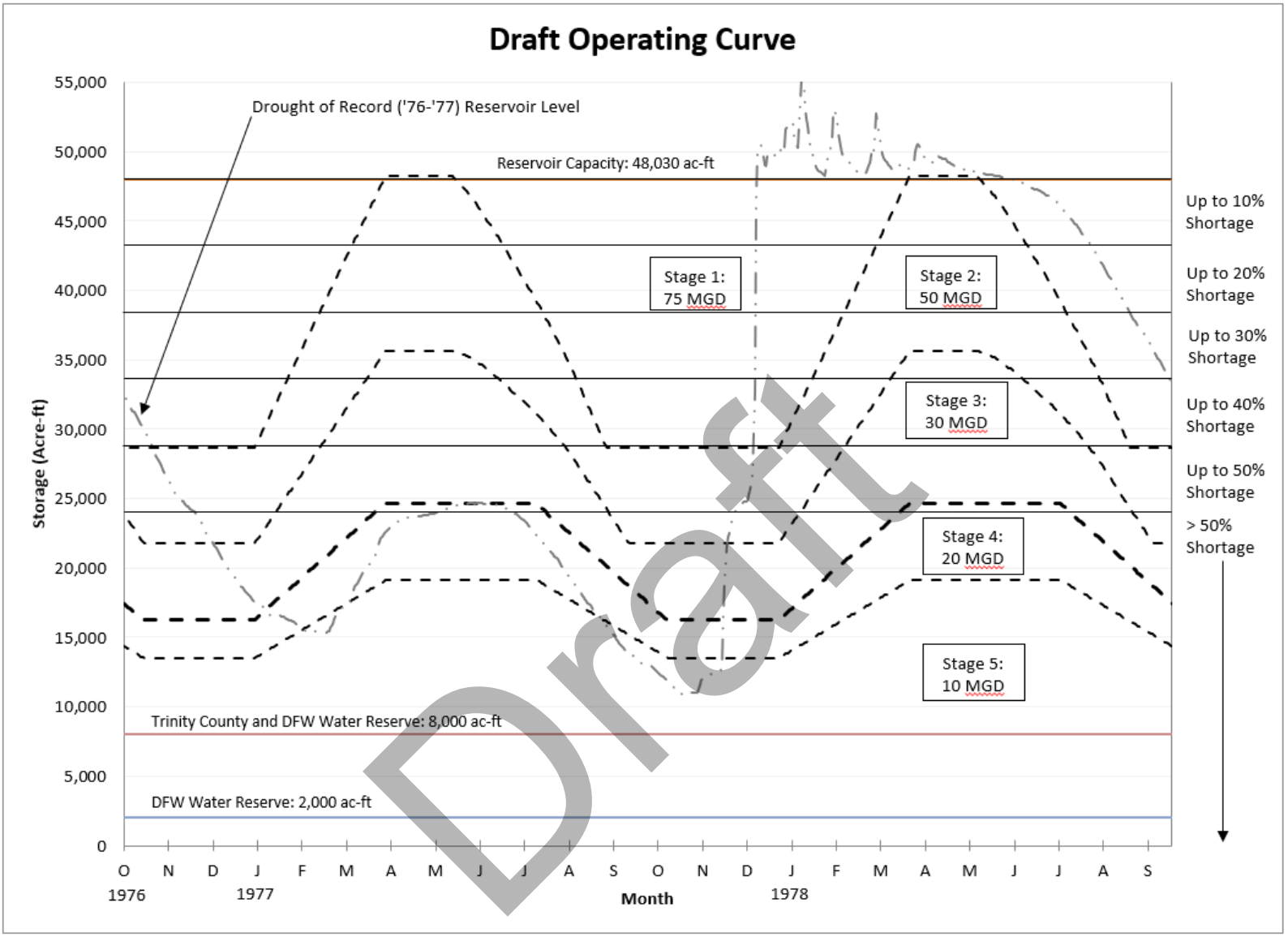
Stage	Domestic Reduction	Industrial Reduction	Total Percent Supply Reduction	Delivered Water (Municipal, MGD)	Delivered Water (Industrial, MGD)	Total Delivered (MGD)	Maximum Draft (MGD)
1	0%	0%	0%	10	40	50	75
2	5%	5%	5%	9.5	38	47.5	50
3	10%	50%	42%	9	20	29	30
4	20%	70%	60%	8	12	20	20
5	30%	95%	82%	7	2	9	10

The operating curves that were established (Figure 10) give maximum draft rates for each of the five different drought action stages. The conservation action boundaries were developed based on these maximum draft rates, the amount of storage remaining over time at a given draft rate, drought of record (1976-1977) inflow, typical evaporation losses, and common reservoir level trends during the period of record (1969-2020). Throughout the period of record, reservoir levels have generally been lowest from October to January, and highest from March to May. The trigger levels have been established to account for these seasonal variations (e.g. a storage level of 30,000 AF, up to 40% reservoir shortage, would be in Stage 1 in November, but it would be in Stage 3 in May).

To give a context of historical trends of Ruth Lake storage levels, the reservoir levels during the 1976-1977 drought are also shown on Figure 7. The storage during the drought follows the general pattern of the operating curves that have been generated. During the drought, reservoir storage never dropped below 10,800 AF.

Reservoir levels during the 2012-2016 drought are shown on Figure 8, 9, and 10. While the 2012-2016 drought was significant for the State of California, it should be noted that the Ruth Reservoir filled every year during this most recent drought. The reservoir level remained in the Stage 1 action level (maximum draft of 75 MGD) for most of the 2012-2016 drought. There were a few occasions when the reservoir level triggered Stage 2 action, and one occasion when the reservoir level triggered Stage 3 action. The highest drought trigger stage that was reached from 2012-2016 was Stage 3 (maximum draft of 30 MGD, which is well below the District's current average draft rate of 10 MGD). This occurred for a brief period during January-February of 2014, and the reservoir was filled by the end of February 2014.

Figure 7: Ruth Lake operating curves



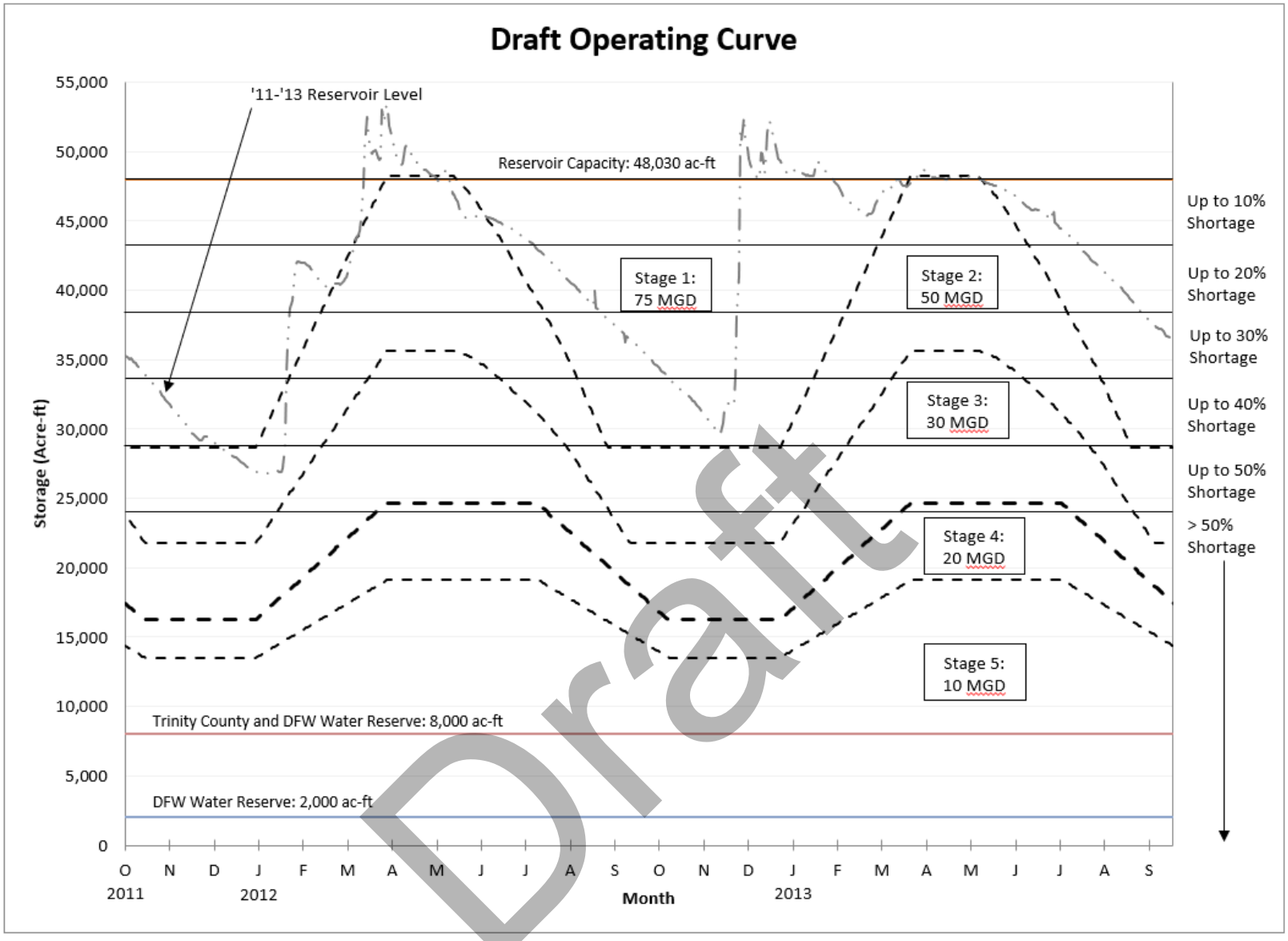


Figure 8: Ruth Lake operating curves with 2011-2013 Reservoir Levels

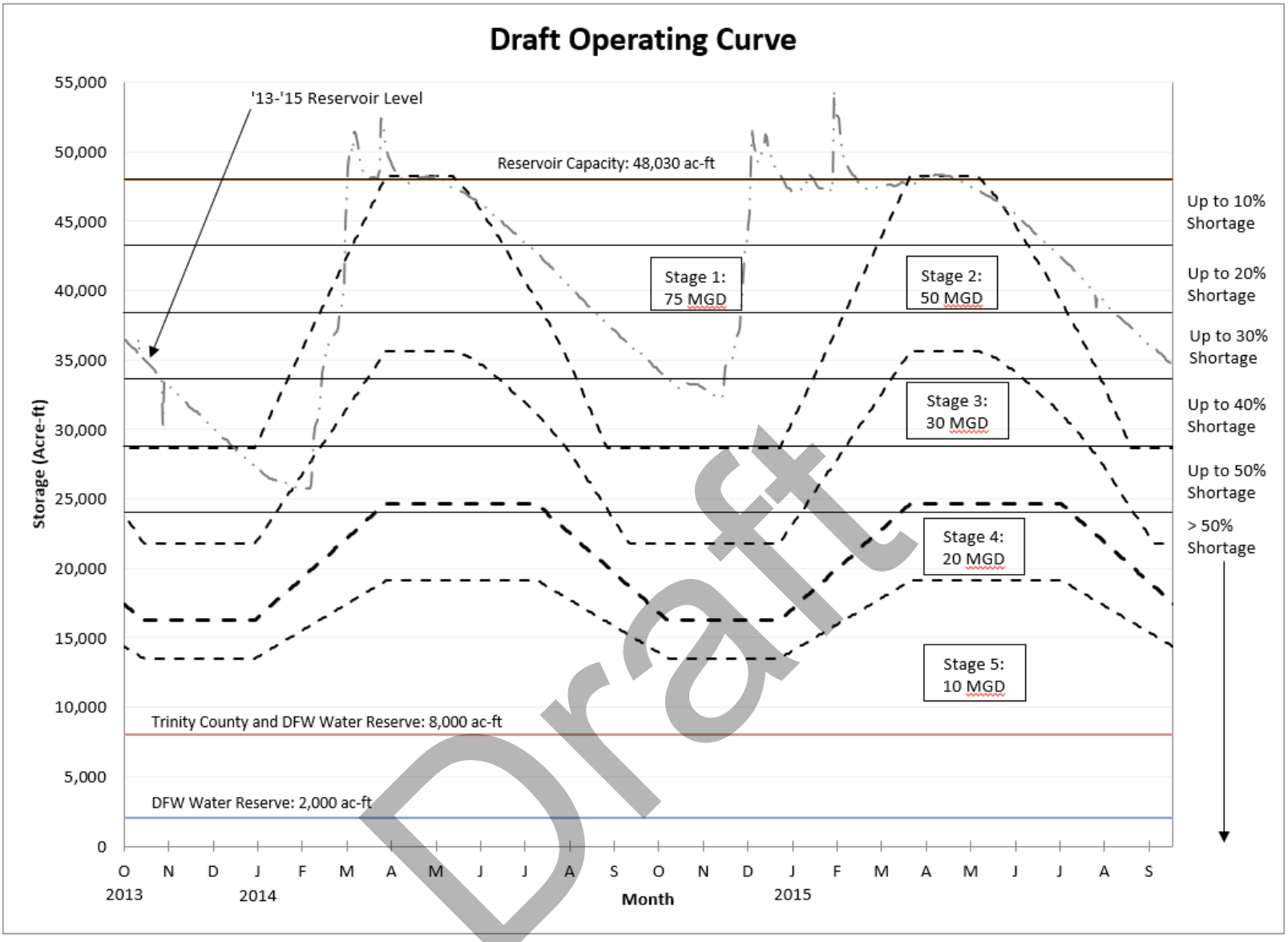


Figure 9: Ruth Lake operating curves with 2013-2015 Reservoir Levels

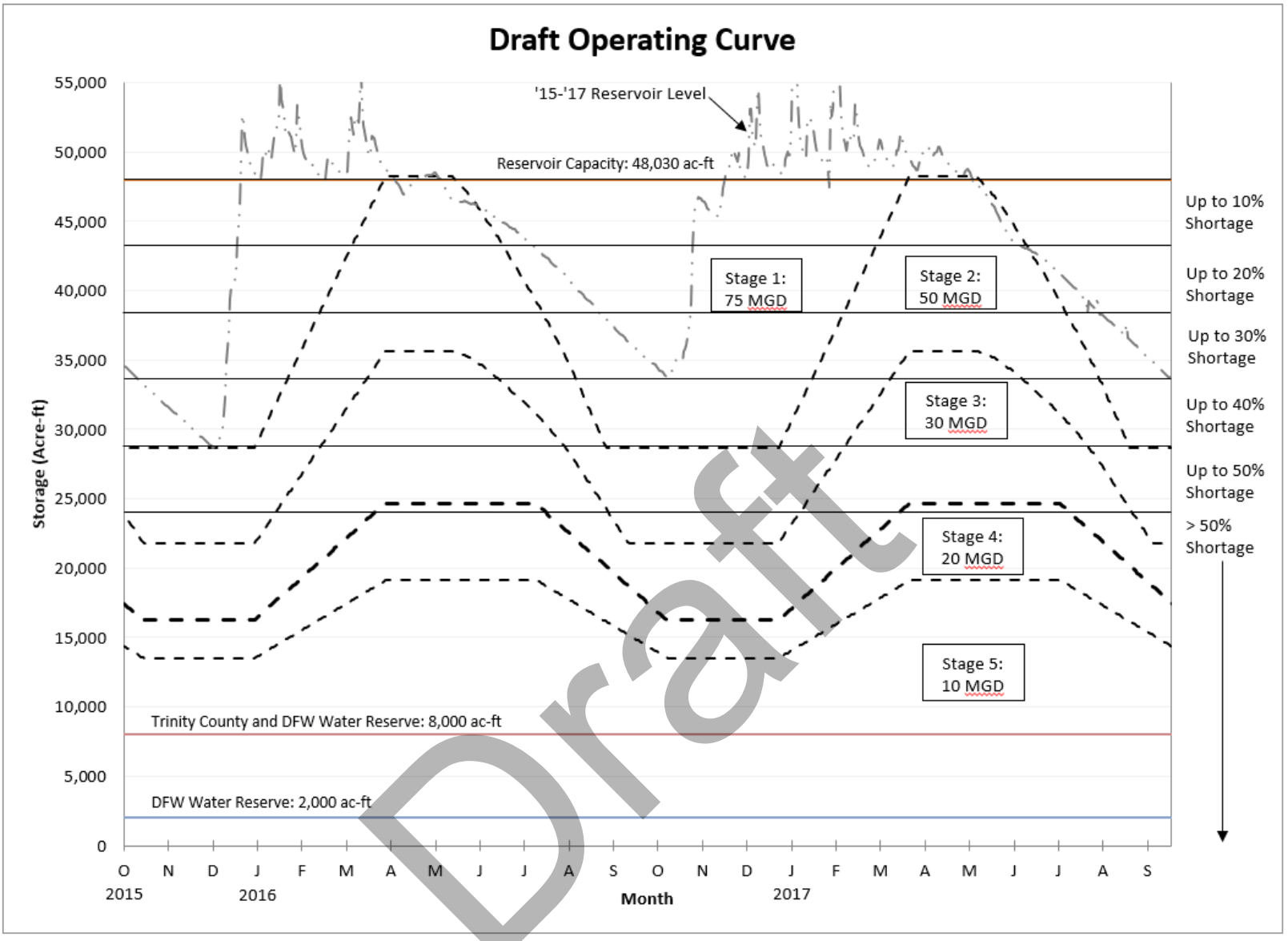


Figure 10: Ruth Lake operating curves with 2015-2017 Reservoir Levels

As the District, through its Water Resource Planning efforts, plans to service wholesale industrial water users in the future, the action stages and conditions are given with the assumption that the District is still operating at normal levels prior to loss of its wholesale industrial customers (i.e. 40 MGD is being supplied to industrial customers, and 10 MGD is being supplied to domestic customers). Without wholesale industrial customers, triggering of these stages would not occur as quickly and may not occur at all. Following is a narrative describing the stages given in Table 8-2 in further detail.

Stage 1 – Controlled Release from Storage

If the reservoir level is within the Stage 1 boundaries, only the amount of water needed for instream flow dedication and water supply purposes will be released from the reservoir.

Stage 2 – Optimizing Available Supply

Consideration to implement Stage 2 (50 MGD maximum draft rate) will be triggered when the storage in Ruth Lake falls below the 75 MGD operating curve. Other triggers to be considered for entering into the Stage 2 requirements include are damage to the system by flood, earthquake, or other system failures; and accidental or intentional toxic spills in the supply. The Water Task Force will review the trigger data and make recommendations regarding actual implementation of Stage 2.

In this stage, the draft rate will be limited to 50 MGD or less. Given current water consumption rates, reductions in water delivery may not need to be made to achieve this; however, entering Stage 2 means that awareness needs to be raised and customers need to begin public outreach and education, and potentially voluntary conservation measures. Customers will be notified of potential future reductions, and public education efforts encouraging water conservation should take place. If required, industrial and domestic deliveries will each be reduced by 5% (down to 38 MGD and 9.5 MGD, respectively). Shutting down hydro-electric production should also be considered, as hydro-electric production is incidental to water supply needs and not justification for releases.

Stage 3 – General Reduction

Consideration to implement Stage 3 will be triggered when the storage in Ruth Lake falls below the 50 MGD operating curve. The Water Task Force will review the trigger data and make recommendations regarding actual implementation of Stage 3.

If the reservoir storage level is within the Stage 3 boundaries, the draft rate will be limited to a maximum draft rate of 30 MGD. Based on current demand, domestic use will be reduced by 10% (down to 9 MGD), and delivery to industrial customers will be reduced by 50% (down to 20 MGD). Changes to the specific reduction will be determined on a biweekly basis based on rate of supply reduction, weather, and other relevant factors.

Stage 4 – Usage Allocations

Consideration to implement Stage 4 will be triggered when the storage in Ruth Lake falls below the 30 MGD operating curve. The Water Task Force will review the trigger data and provide input regarding actual implementation of Stage 4.

If the reservoir storage level drops into Stage 4, all of the District's wholesale and retail customers will be required to reduce usage by the amount necessary to limit consumption to 20 MGD. Domestic use will be reduced by 20% (down to 8 MGD), and industrial deliveries will be reduced by 70% (down to 12 MGD). Furthermore, each wholesale industrial customer will provide certification that water use is being optimized and that wasteful use of water is not occurring. Changes to the specific reduction will be determined on a biweekly basis based on rate of supply reduction, weather, and other relevant factors.

Stage 5 – Rationing

Consideration to implement Stage 5 will be triggered when the storage in Ruth Lake falls below the 20 MGD operating curve. The Water Task Force will review the trigger data and provide input regarding the actual implementation of Stage 5.

If the reservoir storage level reaches Stage 5, the District's wholesale and retail customers will be limited to a total usage of 10 MGD. Wholesale industrial water usage will be limited to the amounts required for human consumption, sanitation, and fire protection. No water will likely be available for

industrial processes. Domestic reduction will be approximately 30%-50%. Municipal and retail customer usage will be reassessed on a bi-weekly basis and may be adjusted as determined by the rate of use of available supply and weather conditions.

8.4 Prohibitions on End Uses

The District does not have the ability to impose use restriction or other requirements directly on end users of the municipal customers' water. Each wholesale customer is responsible for adopting plans to implement the reductions in water use called for by the action stages outlined above. Effectiveness of this plan will be monitored on a daily basis using continuously metered data from Ruth Lake and the metered connections to all wholesale municipal and industrial customers.

8.5 Penalties, Charges, Other Enforcement of Prohibitions

As noted earlier in this plan, each wholesale customer is responsible for adopting plans to implement the reductions in water use called for by the action stages outlined above. Effectiveness of this plan will be monitored on a daily basis using continuously metered data from Ruth Lake and the metered connections to all wholesale municipal and industrial customers.

Table 8-3 shows examples of prohibitions and the stage when those prohibitions become mandatory. These prohibitions assume that the District is operating at normal levels prior to loss of its industrial customers.

Table 8-3: Water Shortage Contingency – Mandatory Prohibitions

Examples of Prohibitions	Stage when Prohibition Becomes Mandatory
Domestic use limited to 9 MGD, and industrial use limited to 20 MGD	3
Domestic use limited to 8 MGD, and industrial use limited to 12 MGD	4
Domestic use limited to 7 MGD, and industrial use limited to only the amounts required for human consumption, sanitation, and fire protection	5

8.6 Consumption Reduction Methods

As previously mentioned, the District does not have the ability to impose use restriction or other requirements directly on end users of the municipal customers' water. Each wholesale customer is responsible for adopting plans to implement the reductions in water use called for by the action stages outlined above. The District will also perform general voluntary water conservation measures in conjunction with its wholesale customers, as well as perform public education efforts to encourage

water conservation. As storage levels in the reservoir drop, the District will work closely with its wholesale customers to attempt to minimize water consumption in the area, as well as minimize their own internal use. However, their internal usage is minimal, but items such as line flushing will be discontinued or kept to a bare minimum as required.

While the District does not have the ability to limit the amount of water its municipal customers deliver, the District does have the ability to limit water delivered to potential industrial customers. Should a drought situation arise where action is required, delivery to industrial customers will be reduced as outlined in Section 8.1. Table 8-4 gives a summary of the consumption reduction methods and the stages when the method will take effect.

Table 8-4: Consumption Reduction Methods

Consumption Reduction Methods	Stage when Method Takes Effect
Release from storage only amount of water needed for in-stream and water supply purposes	1
General voluntary water conservation measures with wholesale customers	2
Public education efforts encouraging water conservation	2
Encourage all wholesale and retail customers to reduce usage. Require industrial customers to reduce usage.	3
Encourage all wholesale and retail customers to reduce usage further. Require industrial customers to further reduce usage.	4
No water for industrial processes and reduce wholesale and retail customer usage up to 50%	5

8.7 Determining Water Shortage Reductions

The District has water meters in place at all of the connections to the systems of each of its seven wholesale municipal customers. There are also meters at every residential connection, and a meter will be installed at any future industrial customer connection. To determine the actual reductions in use of water during a water shortage, the District will use its Supervisory Control and Data Acquisition (SCADA) system to monitor distribution to its customers on a daily basis. In the event of a power outage, the District has two auxiliary power generators as standby power sources. The first generator is a 35kW (kilowatt) generator and the second is a 2MW (megawatt) generator. Therefore, the SCADA system will continue operating during power outages and continue monitoring distribution. Water shortage reductions will be determined by subtracting post-drought consumption rates from pre-drought consumption rates.

8.8 Revenue and Expenditure Impacts

Each wholesale customer must gauge the revenue and expenditure impact of the action stages. The expenditure and revenue impacts on the District are negligible since the wholesale rates are designed to cover costs incurred by the District in producing and distributing the water. With less water to produce, there would be less expense incurred by the District. Therefore, expenditures and revenues for costs directly related to the amount of water produced (e.g. costs for power for pumping) will both decrease as deliveries of water are curtailed. If the shortage were to continue for a prolonged period, the District could reduce staff in order to cut costs as the District would not be producing and distributing water at normal levels. The District also has a reserve account to act as a buffer to cover fixed costs for a short period of time if the District were to need it.

8.9 Resolution or Ordinance

A copy of the District's draft Water Shortage Contingency Resolution for declaring a water shortage emergency and implementing the District's Water Shortage Contingency Plan is attached as Appendix F.

8.10 Catastrophic Supply Interruption

The District's Emergency Operations Plan (EOP) provides the overall response procedures for catastrophic supply interruptions. The EOP further provides specific procedures for power outages and for security incidents. The District's Emergency Action Plan (EAP) provides response procedures for catastrophic supply interruptions involving the R.W. Matthews Dam and Reservoir (Ruth Lake), such as an earthquake. The District is complying with the seismic risk assessment pursuant to Section 10644, by providing a copy of the most recent Humboldt County Operational Area Hazard Mitigation Plan 2019 Volume 1: Area-Wide Elements, pages 101-122. See Appendix J for document or: https://humboldtgov.org/506/Local-Hazard-Mitigation. The District's Operations Plan (OP) provides procedures for system failures. Hazardous materials incidents are covered by numerous response plans depending on the nature of the incident. Table 8-5 summarizes possible catastrophe events and the actions that would be taken or plans that would be implemented for each scenario.

Table 8-5: Preparation Actions for a Catastrophe

Possible Catastrophe	Summary of Actions/Plans
Regional Power Outage	Emergency Operations Plan-Power Outage Procedures
System Failure	Operations Plan for Water Supply, Treatment, and Distribution System
Earthquake	Emergency Operations Plan/Emergency Action Plan (R.W. Matthews Dam at Ruth)
Hazardous Material Spill	Hazardous Materials Response Plans
Acts of Terrorism	Emergency Operations Plan-Security Procedures/ Emergency Action Plan (R.W. Matthews Dam at Ruth)

8.11 Minimum Supply Next Five Years

The five water years between October 1990 and September 1994 represent the driest five multiple years recorded for the District:

- Rainfall for this period averaged 49 inches per year, or 70% of normal.
- Of the five water years, the driest year for rainfall was water year 1991/1992 with 37 inches, or 53% of normal.
- Flows into Ruth Lake via the Mad River averaged 64,000 AFY, or 37% of normal (173,000 AFY).
- Despite the diminished rainfall and runoff, rainfall was more than sufficient to refill the reservoir each year.
- Reservoir volume during this period averaged 39,062 AF which is 81% of capacity (48,030
- AF) and 95% of normal (41,000 AF).

Furthermore, the District was still supplying industrial water during this time, whereas the District is currently only supplying domestic water. Given this, in the event that the next five years are hydrologically the same as the driest five consecutive years of record, the minimum available supply would be greater than the full reservoir level of 48,030 acre-feet for each year, as shown in Table 8-6.

Table 8-6: Minimum Supply Next Five Years

	2021	2022	2023	2024	2025
Available Water Supply	> 48,030 AF	> 48,030 AF	> 48,030 AF	> 48,030 AF	> 48,030 AF

A Rippl mass diagram was generated (Figure 11) using the same assumptions as given in Section 8.2 to plot the cumulative inflow to the reservoir (less evaporation) and various cumulative draft rates. As seen in the figure, a constant draft rate of 38.5 MGD could be achieved if the hydrologic conditions of the drought of record (1976-77) were to be synthetically repeated for a three-year planning period. Current usage is approximately 10 MGD. Therefore, even if the single-year drought of record were repeated for three years, the District would still have a more than adequate water supply to serve its current customers' needs.

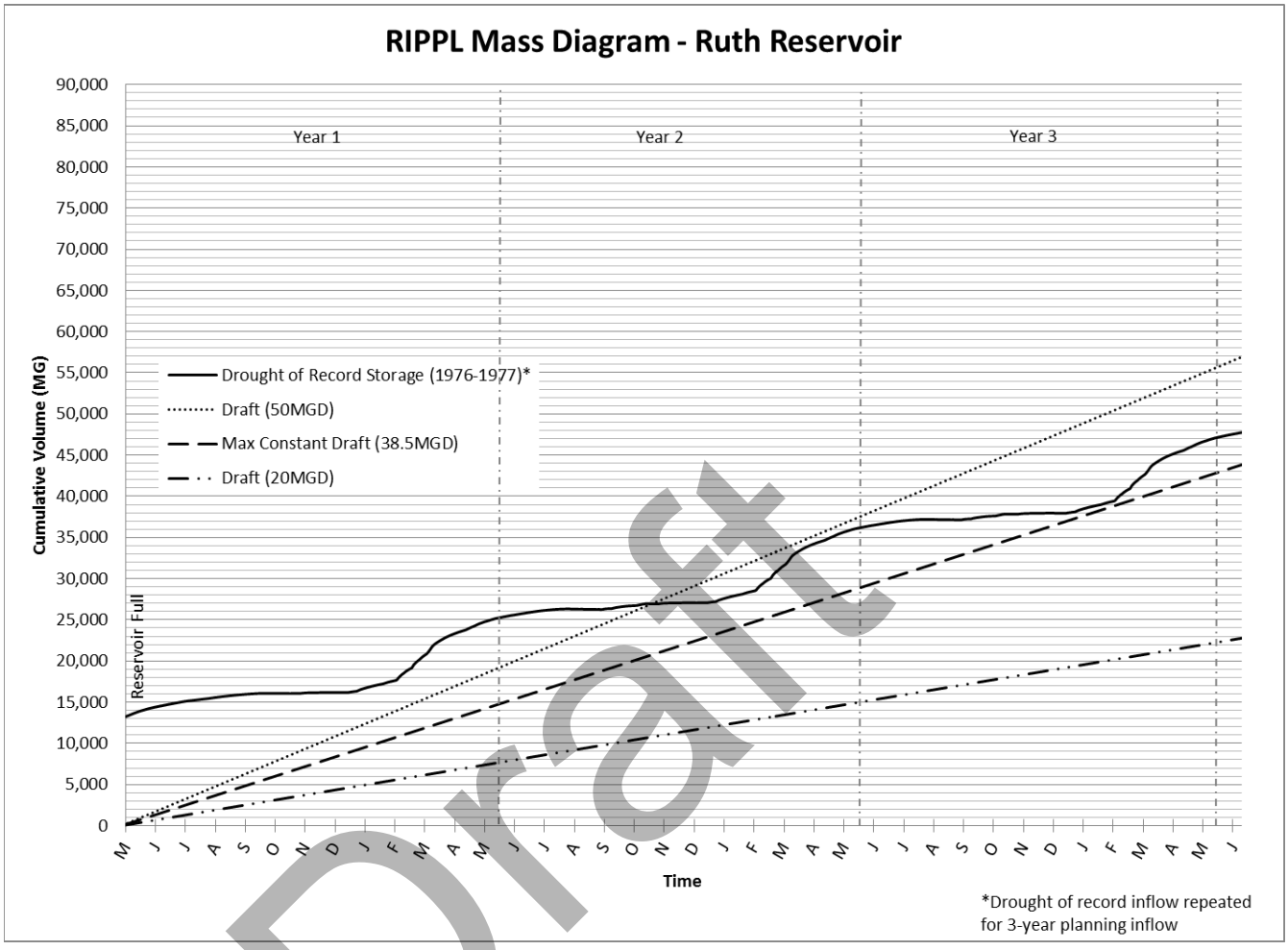


Figure 11: Rippl Mass Diagram with '76-'77 drought hydrologic information repeated for a three-year planning period

8.12 Annual Water Supply and Demand Assessment Procedures

A new requirement this year is to develop procedures to conduct an annual water supply and demand assessment to determine water supply reliability with reports due by July 1st of each year, beginning in 2022. As noted throughout this document, HBMWD has not had issues with supply reliability in the past, even during drought years. To meet the new requirements, HBMWD will look at the supply/demand of water used. To do this, we will look at the unconstrained demand used by our municipal and retail customers and the supply available, taking into account factors such as weather, growth and other factors that may impact current and future demands, including assuming future dry years. We have daily readings on reservoir level and output and hydrologic conditions. Since our water is metered, we are able to provide realistic numbers and based on those, adjust policies as needed to ensure future demand. We will strive to provide this information to our wholesale municipal customers by mid-May of each year to assist in their annual water supply and demand assessment also due by July 1st of each year. Our Board of Directors will approve the Annual Assessment prior to submittal.

The Times-Standard
PO Box 3580
Eureka, CA 95502
707-441-0571
legals@times-standard.com

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
- LEGAL
PO BOX 95
EUREKA, CA 95502

Account Number: 2096953

Ad Order Number: 0006966968

Customer's Reference / PO Number:

Publication: The Times-Standard

Publication Dates: 05/10/2026, 05/17/2026

Amount: $367.18

Payment Amount: $0.00

Invoice Text: The Humboldt Bay Municipal Water District (District) will hold a public hearing on Thursday, June 11, 2026, at 1:00 pm at the District office, 828 7th Street in Eureka, California. The meeting will also be available via teleconference. Teleconference connection information will be posted at http://www.hbmwd.com prior to the meeting.

The meeting will include discussion on the District's 2025 Urban Water Management Plan (UWMP). The UWMP was prepared for the State of California Department of Water Resources in accordance with the California Urban Water Management Planning Act of 1983 (AB 797) (UWMP Act) as amended and the Water Conservation Bill of 2009. The UWMP will establish HBMWD's compliance with California Water Code, Division 6, Part 2.6, for all urban water suppliers who provide municipal water to more than 3,000 customers or supply its customers with more than 3,000 acre-feet of water. The UWMP describes the District's water supplies and conservation efforts. The purpose is to ensure that adequate water supplies are available to meet existing and future demands over a 20-year planning horizon. Plans are available for public review at the District office. Please direct comments or questions to:
Annmarie Behan, Associate Engineer
P.O. Box 95
Eureka, CA 95502
(707) 443-5018
behan@hbmwd.com

The Times-Standard
PO Box 3580
Eureka, CA 95502
707-441-0571
legals@times-standard.com

2096953

HUMBOLDT BAY MUNICIPAL WATER DISTRICT - LEGAL
PO BOX 95
EUREKA, CA 95502

PROOF OF PUBLICATION (2015.5 C.C.P.)

STATE OF CALIFORNIA County of Humboldt

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-mentioned matter. I am the principal clerk of the printer of THE TIMES-STANDARD, a newspaper of general circulation, printed and published daily in the City of Eureka, County of Humboldt, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Humboldt, State of California, under the date of June 15, 1967, Consolidated Case Numbers 27009 and 27010; that the notice, of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit,

05/10/2026, 05/17/2026

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Eureka, California,
This 18th day of May, 2026

John Richmond

Legal No. **0006966968**

The Humboldt Bay Municipal Water District (District) will hold a public hearing on Thursday, June 11, 2026, at 1:00 pm at the District office, 828 7th Street in Eureka, California. The meeting will also be available via teleconference. Teleconference connection information will be posted at http://www.hbmwd.com prior to the meeting.

The meeting will include discussion on the District's 2025 Urban Water Management Plan (UWMP). The UWMP was prepared for the State of California Department of Water Resources in accordance with the California Urban Water Management Planning Act of 1983 (AB 797) (UWMP Act) as amended and the Water Conservation Bill of 2009. The UWMP will establish HBMWD's compliance with California Water Code, Division 6, Part 2.6, for all urban water suppliers who provide municipal water to more than 3,000 customers or supply its customers with more than 3,000 acre-feet of water. The UWMP describes the District's water supplies and conservation efforts. The purpose is to ensure that adequate water supplies are available to meet existing and future demands over a 20-year planning horizon. Plans are available for public review at the District office. Please direct comments or questions to:
Annmarie Behan, Associate Engineer
P.O. Box 95
Eureka, CA 95502
(707) 443-5018
behan@hbmwd.com

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 Seventh Street • Eureka, California 95501-1114
PO Box 95 • Eureka, California 95502-0095
Office 707-443-5018 • Fax 707-443-5731
Essex 707-822-2918 • Fax 707-822-8245
Email: Office@hbmwd.com
Website: www.hbmwd.com

February 4, 2026

Hank Seemann, Humboldt County Public Works, hseemann@co.humboldt.ca.us
John Ford, Humboldt County Planning Department, jford@co.humboldt.ca.us
Rachel Hernandez, City of Arcata, rhernandez@cityofarcata.org
Kelly Allen, City of Eureka, kallen@eurekaca.gov
TK Williams, Humboldt Community Services District, twilliams@humboldtcsd.org
Pat Kaspari, McKinleyville Community Services District, pkaspari@mckinleyvillecsd.com
Jennie Short, City of Blue Lake, citymanager@bluelake.ca.gov
Rick Hanger, Fieldbrook-Glendale Community Services District, gm@fgcsd.org
Chris Drop, Manila Community Services District, manilacsd1@sbcglobal.net

Subject: Re: 60-Day Notice Regarding Review of HBMWD's Urban Water Management Plan

California Water Code (CWC) 10621 (b) requires an urban water supplier who is preparing an Urban Water Management Plan (UWMP) to notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. CWC further requires each urban water supplier to coordinate the preparation of its UWMP with other appropriate area agencies including other water suppliers that share the same water sources, water management agencies, and other relevant public agencies.

This letter is Humboldt Bay Municipal Water District's (HBMWD's) notice to your agency that HBMWD is in the process of reviewing and updating its UWMP. As with the 2020 UWMP, HBMWD is preparing its 2025 UWMP and will be collaborating with the City of Arcata, the City of Eureka, Humboldt Community Services District, and McKinleyville Community Services District. If your agency would like to provide input or be involved in the review process, you are encouraged to contact myself or any of the above-named agencies to coordinate your participation.

If you have any questions, please feel free to call me at (707) 443-5018.

Sincerely,

Annmarie Behan, P.E., G.E.
Associate Engineer
Humboldt Bay Municipal Water District

cc: Michiko Mares and Chris Harris, HBMWD, gm@hbmwd.com and harris@hbmwd.com

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 5.2

ITEM: Consider Approval of Resolution 2026-05 for Annual Limit for Appropriations

PRESENTED BY: Darcey Quinn

TYPE of ITEM: ACTION

TYPE of ACTION: Roll Call Vote

Recommendation

Staff recommend the Board approve and adopt Resolution 2026-05 to establish the required appropriations limit for the 2026/27 fiscal year.

Discussion

The California Constitution Article XIII (b) requires the adoption of an annual resolution limiting the amount of appropriations from taxes to a certain base level plus annual increases based on per capital income and population increases. The State Department of Finance has provided the District with these annual Price and Population figures for FY2026/27.

Alternatives

N/A

Fiscal Analysis

N/A

Environmental Requirements

N/A

Exhibits/Attachments

Attachment 1 – Resolution 2026-05
Attachment 2 – Department of Finance Letter & Attachments
Attachment 3 – Government Code Section 7910

Resolution 2026-05

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE HUMBOLDT BAY MUNICIPAL WATER DISTRICT

ADOPTING A LIMIT OF APPROPRIATIONS FROM TAXES

WHEREAS, Article XIII (b) of the State Constitution limits the amount of appropriations from taxes to a certain base level plus annual increases based on per capita income and population decreases and;

WHEREAS, the Humboldt Bay Municipal Water District has received annual updates from the State as to the allowed increase levels and;

WHEREAS, Section 7910 of the California Government Code requires formal adoption, by resolution, of the annual appropriations limit.

NOW, THEREFORE, BE IT RESOLVED:
That the appropriations from taxes limit for fiscal year 2026/2027 is hereby set at $1,724,664; and

That this resolution shall become effective 45 days from the date of its adoption in accordance with California Government Code Division 9 § 7910.

PASSED AND ADOPTED by the Board of Directors of the Humboldt Bay Municipal Water District at a regular meeting held on the 11th day of June 2026, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

ATTEST:

_____
Michelle Fuller, Board President

_____
Contessa Dickson, Board Secretary

DEPARTMENT OF FINANCE
OFFICE OF THE DIRECTOR

Gavin Newsom ▪ Governor
1021 O Street, Suite 3110 ▪ Sacramento CA 95814 ▪ www.dof.ca.gov

May 1, 2026

Dear Fiscal Officer:

Price Factor and Population Information

Appropriations Limit
California Revenue and Taxation Code section 2227 requires the Department of Finance to transmit an estimate of the percentage change in population to local governments. Each local jurisdiction must use their percentage change in population factor for January 1, 2026, in conjunction with a change in the cost of living, or price factor, to calculate their appropriations limit for fiscal year 2026–27. Attachment A provides the change in California's per capita personal income and an example for utilizing the factors to calculate the 2026–27 appropriations limit. Attachment B provides the city and unincorporated county population percentage change. Attachment C provides the population percentage change for counties and their summed incorporated areas. The population percentage change data excludes federal and state institutionalized populations and military populations.

Population Percent Change for Special Districts
Some special districts must establish an annual appropriations limit. California Revenue and Taxation Code section 2228 provides additional information regarding the appropriations limit. Article XIII B, section 9(C) of the California Constitution exempts certain special districts from the appropriations limit calculation mandate. Special districts required by law to calculate their appropriations limit must present the calculation as part of their annual audit. Any questions special districts have on this requirement should be directed to their county, district legal counsel, or the law itself. No state agency reviews the local appropriations limits.

Population Certification
The population certification program applies only to cities and counties. California Revenue and Taxation Code section 11005.6 mandates Finance to automatically certify any population estimate that exceeds the current certified population with the State Controller's Office. **Finance will certify the higher estimate to the State Controller by June 1, 2026**. Please note: The prior year's city population estimates may be revised. The per capita personal income change is based on historical data.

If you have any questions regarding this data, please contact the Demographic Research Unit at (916) 323-4086.

/s Erika Li
Attachment

May 2026
Attachment A

A. **Price Factor**: Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. If the percentage change in per capita personal income is selected, the percentage change to be used in setting the fiscal year 2026–27 appropriation limit is:

Per Capita Personal Income

Fiscal Year (FY)	Percentage change over prior year
2026-27	4.95

B. Following is an example using sample population change and the change in California per capita personal income as growth factors in computing a 2026–27 appropriation limit.

2026–27:

Per Capita Cost of Living Change = 4.95 percent
Population Change = -0.14 percent

Per Capita Cost of Living converted to a ratio: $\frac{4.95 + 100}{100} = 1.0495$

Population converted to a ratio: $\frac{-0.14 + 100}{100} = 0.9986$

Calculation of factor for FY 2026–27: 1.0495 x 0.9986 = 1.0480

Government Code section 7910

(a) Each year the governing body of each local jurisdiction shall, by resolution, establish its appropriations limit and make other necessary determinations for the following fiscal year pursuant to Article XIIIB of the California Constitution at a regularly scheduled meeting or noticed special meeting. Fifteen days prior to the meeting documentation used in the determination of the appropriations limit and other necessary determinations shall be available to the public. The determinations made pursuant to this section are legislative acts.

(b) A judicial action or proceeding to attack, review, set aside, void, or annul the action of the governing body taken pursuant to this section shall be commenced within 45 days of the effective date of the resolution.

(c)A court in which an action described in subdivision (b) is pending, including any court reviewing the action on appeal from the decision of a lower court, shall give the action preference over all other civil actions, in the manner of setting the action for hearing or trial and in hearing the action, to the end that the action shall be quickly heard and determined.

Location:
https://california.public.law/codes/government_code_section_7910

Original Source: Section 7910, https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=GOV§ionNum=7910. (last accessed May 12, 2025).

Limit for Appropriations from taxes (Prop 4 Calculation)

Article XIII (b) of the State Constitution limits the amount of appropriations from taxes.
California State Department of Finance, Demographic Research Unit (DRU) provides Price and Population information
Information will be available on State of California Department of Finance website after May 1st

Calculation of 26/27 Limit

$ 1,860,894.60	x	1.04697	=	$1,948,292.52

Instructions: Multiply prior year limit by current year factor

Humboldt County

-0.27	+	100	divided by	100	=	0.99730

1.0498	x	0.99730	=	1.04697
$ 1,647,297.62	x	1.04697	=	$1,724,663.84

Instructions: Convert Humboldt County Percent change to ratio (Humboldt County Percent change + 100 divided by 100)
Multiply State percentage change by Humboldt County Percent change. Example 1.0644 x 0.99780 = 1.06206
Multiply prior year Humboldt County limit by resulting factor (1.06206).

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 5.3

ITEM: Consider Approval and Adoption of Resolution 2026-06 – Adopting a Conflict of Interest Code

PRESENTED BY: Contessa Dickson

TYPE of ITEM: ACTION

TYPE of ACTION: Roll Call Vote

Recommendation

Staff recommend the Board approve and adopt Resolution 2026-06 adopting a Conflict-of-Interest Code for the Humboldt Bay Municipal Water District.

Discussion

The Political Reform Act of 1974 requires local government agencies to adopt and maintain a Conflict of Interest Code identifying designated positions required to file Statements of Economic Interests (Form 700) and establishing disclosure categories applicable to those positions.

Resolution 2026-06 adopts by reference the standard Conflict of Interest Code set forth in Title 2, California Code of Regulations, Section 18730, together with the District's designated positions and disclosure categories included as Appendix A and Appendix B to the Resolution. Adoption of the Resolution will ensure the District remains compliant with applicable state requirements related to conflict of interest reporting and disclosure obligations.

Following adoption by the Board, the Resolution and associated Conflict of Interest Code documents will be submitted to the appropriate reviewing authority in accordance with state requirements.

Alternatives

1. Do not adopt Resolution 2026-06.
2. Provide alternative direction to staff.

Fiscal Analysis

N/A

Environmental Requirements

Adoption of this Resolution is not a project under the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15378 because it is an administrative activity that will not result in a direct or reasonably foreseeable indirect physical change in the environment.

Exhibits/Attachments

- Attachment 1 – Resolution 2026-06
- Attachment 2- Appendices A&B – Designated Positions and Disclosure Categories

RESOLUTION NO. 2026-06

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE HUMBOLDT BAY MUNICIPAL WATER DISTRICT ADOPTING A CONFLICT OF INTEREST CODE

WHEREAS, the Political Reform Act of 1974 (Government Code Section 81000 et seq.) requires state and local government agencies to adopt and promulgate Conflict of Interest Codes; and

WHEREAS, the Fair Political Practices Commission has adopted a standard Conflict of Interest Code contained in Title 2, California Code of Regulations, Section 18730, which may be incorporated by reference and which, together with the attached Appendix A (Designated Positions) and Appendix B (Disclosure Categories), constitutes the Conflict of Interest Code of the Humboldt Bay Municipal Water District ("District"); and

WHEREAS, designated employees and officials of the District make or participate in the making of governmental decisions which may foreseeably have a material effect on their financial interests; and

WHEREAS, the Board of Directors desires to adopt and maintain a Conflict of Interest Code in accordance with the requirements of the Political Reform Act and the regulations of the Fair Political Practices Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Humboldt Bay Municipal Water District as follows:

1. Adoption of Conflict of Interest Code
   The terms of Title 2, California Code of Regulations, Section 18730, and any amendments thereto adopted by the Fair Political Practices Commission, together with the attached Appendix A and Appendix B, are hereby adopted and incorporated by reference as the Conflict of Interest Code for the Humboldt Bay Municipal Water District.
2. Designated Positions and Disclosure Categories
   The persons holding positions listed in Appendix A are designated employees and shall disclose financial interests in accordance with the disclosure categories set forth in Appendix B.
3. Filing Officer
   Statements of Economic Interests (Form 700) shall be filed and maintained in accordance with applicable law and the District's filing procedures.
4. Repeal of Prior Inconsistent Resolutions
   Any prior resolutions or portions thereof inconsistent with this Resolution are hereby repealed to the extent of such inconsistency.
5. Effective Date
   This Resolution shall become effective immediately upon adoption.

PASSED AND ADOPTED by the Board of Directors of the Humboldt Bay Municipal Water District at a regular meeting held on the 11th day of June 11, 2026, by the following roll call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

ATTEST:

_____
Michelle Fuller, Board President

_____

Contessa Dickson, Board Secretary

APPENDIX A – DESIGNATED POSITIONS

Designated Position	Disclosure Category
Board Members	1
General Manager	1
Director of Finance and Human Resources	1
Director of Operations and Maintenance	2
Deputy Director of Operations and Maintenance	2
District Engineer	2
Water Operations Supervisor	2
Assistant Water Operations Supervisor	2
Maintenance/Electrical Supervisor	2
Assistant Maintenance/Electrical Supervisor	2
Board Secretary/Executive Assistant	3
Consultants*	As Determined

*Consultants shall disclose pursuant to the broadest disclosure category in the same manner as designated employees, subject to a written determination by the General Manager or Board of Directors in accordance with FPPC Regulation 18734.

APPENDIX B – DISCLOSURE CATEGORIES

Category 1

Persons in this category shall disclose all investments, business positions, interests in real property, and sources of income, including gifts, loans, and travel payments, from sources that may foreseeably be affected by District decisions.

Category 2

Persons in this category shall disclose investments, business positions, interests in real property, and sources of income from entities and individuals that provide services, supplies, materials, machinery, equipment, engineering, construction, environmental, consulting, utilities, water operations, maintenance, or other services related to the operations of the District.

Category 3

Persons in this category shall disclose investments, business positions, and sources of income from entities and individuals that provide services, supplies, equipment, technology, administrative support, records management, financial services, or other services used in support of District administrative operations.

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 5.4

ITEM: Consider Approval of Resolution 2026-07 – Support for the Association of California Water Agencies' Vision for Our Water Future Initiative

PRESENTED BY: Michiko Mares

TYPE of ITEM: ACTION

TYPE of ACTION: Roll Call Vote

Recommendation

Staff recommend the Board approve and adopt Resolution No. 2026-07 expressing support for the Association of California Water Agencies' (ACWA) Vision for Our Water Future initiative and authorize the General Manager to submit the resolution to ACWA.

Discussion

At ACWA's 2026 Spring Conference, ACWA launched the Vision for Our Water Future initiative, a statewide effort intended to unite California's water community around a shared vision for a sustainable, reliable, and resilient water future.

ACWA is encouraging member agencies to become Vision Partners by adopting a resolution or letter of support. Participating agencies will be recognized as Vision Partners and may be highlighted in outreach efforts, on the initiative's webpage, and in discussions with future state leaders regarding California water policy priorities.

The Vision initiative aligns with Humboldt Bay Municipal Water District's mission to safeguard and sustainably deliver clean and reliable water and with the District's commitment to long-term water supply reliability, environmental stewardship, and regional collaboration.

Adoption of the attached resolution demonstrates the District's support for collaborative statewide water planning and participation in ACWA's Vision for Our Water Future initiative.

Alternatives

Provide alternate direction to staff.

Fiscal Analysis

No fiscal impact.

Environmental Requirements

This action is not a project subject to the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15378 because it involves organizational and administrative activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment.

Exhibits/Attachments

Attachment 1 – Resolution 2026-07 Supporting the Association of California Water Agencies' Vision for Our Water Future Initiative

Attachment 2 – Link to Vision for Our Water Future Initiative

RESOLUTION NO. 2026-07

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE HUMBOLDT BAY MUNICIPAL WATER DISTRICT SUPPORTING THE ASSOCIATION OF CALIFORNIA WATER AGENCIES' VISION FOR OUR WATER FUTURE INITIATIVE

WHEREAS, the Humboldt Bay Municipal Water District (District) is committed to providing a reliable, sustainable, and resilient water supply for its municipal and environmental purposes; and

WHEREAS, California's water systems face increasing challenges associated with climate change, aging infrastructure, regulatory complexity, population needs, environmental stewardship, and long-term water supply reliability; and

WHEREAS, the Association of California Water Agencies (ACWA) has launched the Vision for Our Water Future initiative to foster a shared, statewide vision for California's water future and to promote collaboration among water agencies, policymakers, stakeholders, communities; and

WHEREAS, the Vision for Our Water Future initiative seeks to advance policies and investments that support water supply reliability, infrastructure resilience, environmental stewardship, innovation, and sustainable water management throughout California; and

WHEREAS, participation as a Vision Partner demonstrates support for collaborative efforts to address California's water challenges and opportunities.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Humboldt Bay Municipal Water District that:

The Board expresses its support for ACWA's Vision for Our Water Future initiative.

The Board authorizes the District to participate as a Vision Partner and to be recognized publicly as a supporter of the initiative.

The General Manager is authorized to take all actions necessary to communicate the District's support to ACWA and to participate in related outreach efforts as appropriate.

PASSED AND ADOPTED by the Board of Directors of the Humboldt Bay Municipal Water District at a regular meeting held on the 11th day of June 11, 2026, by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

_____

Michelle Fuller, Board President

_____

Contessa Dickson, Board Secretary

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

STATEMENT OF FUND BALANCES - PAGE 1 OF 2

BANK ACCOUNT BALANCES AT MONTH-END	May 31, 2026	May 31, 2025
GENERAL ACCOUNTS		
1. US Bank - General Account	700,527.35	2,229,264.05
2. US Bank - Xpress BillPay/Electronic Payments Account	5,274.29	8,129.53
Subtotal	705,801.64	2,237,393.58
INVESTMENT & INTEREST BEARING ACCOUNTS		
3. US Bank - PARS Investment Account	926,457.37	912,588.48
Contributions = $800,000 Disbursements = $251,619		
4. L. A. I. F Account - MSRA Reserve Account	507,719.67	491,592.59
5. CalTRUST - Restricted Inv. Account (Medium Term)	1,939,148.16	1,874,118.94
6. CalTRUST - General Reserve Account (Short-Term)	4,036,055.60	4,411,336.31
Total CalTRUST Accounts	***5,975,203.76***	***6,285,455.25***
7. California CLASS - DWFP Reserve Account	284,993.49	273,118.37
8. California CLASS - ReMat Reserve Account	1,536,886.42	1,669,118.37
9. California CLASS - General Reserve Account	2,834,660.94	2,723,659.88
Total California CLASS Accounts	***4,656,540.85***	***4,665,896.62***
10. Humboldt County - SRF Loan Payment Account	1,493,826.41	933,819.24
11. Humboldt County - 1% Tax Account	98,759.33	594,046.07
Subtotal	13,658,507.39	13,883,398.25
OTHER ACCOUNTS		
12. ReMat Deposit - Mellon Bank	27,000.00	27,000.00
13. Cash on Hand	700.00	700.00
Subtotal	27,700.00	27,700.00
TOTAL CASH	**14,392,009.03**	**16,148,491.83**

FUND BALANCES AT MONTH-END	May 31, 2026	May 31, 2025
RESTRICTED FUNDS - ENCUMBERED		
1. Prior-Year Price Factor 2 Rebate	(2,063.39)	(1,811.63)
2. Prior-Year Restricted AP Encumbrances	(1,011,842.00)	(506,838.00)
3. Prior-Year Reallocated Funds to FY27 Project Budget	(534,500.00)	-
4. Advanced Charges - 3x Tank Seismic Retrofit	(2,748,556.10)	(1,398,379.18)
5. Advanced Charges - Cathodic Protection Project	-	(124,999.96)
6. Advanced Charges - On-Site Generation of Chlorine	-	(634,459.29)
7. Advanced Charges - Redundant Pipeline	-	(478,616.00)
8. Advanced Charges - TRF Emergency Generator	(284,020.47)	(283,115.95)
9. 3AC Collected Funds - TRF Emergency Generator	(312,858.62)	(312,858.62)
10. Advanced Funding - August Complex-Ruth Paving	-	(112,456.22)
11. Advanced Charges - Assist. Spillway Seismic Grant	(1,564,374.44)	(384,490.32)
12. Advanced Funding - Eureka Cyber Security	-	(19,597.72)
13. Advanced Charges - Essex Facility Expansion	(105,400.00)	(105,400.00)
14. Advanced Charges - Ruth Storage Barn	(209,166.63)	(198,333.30)
15. Advanced Charges - Capital Financing/Debt Service	(44,560.83)	(1,000,866.22)
Subtotal	(6,817,342.48)	(5,562,222.41)
RESTRICTED FUNDS - OTHER		
16. 1% Tax Credit to Muni's	(98,759.33)	(765,549.77)
17. Pension Trust Reserves	(926,457.34)	(912,588.48)
18. ReMat Deposit	(27,000.00)	(27,000.00)
19. HB Retail Capital Replacement Reserves	(207,679.87)	(170,551.20)
Subtotal	(1,259,896.54)	(1,875,689.45)
BOARD RESTRICTED		
20. MSRA Reserves	(507,719.67)	(491,592.59)
21. DWFP Reserves	(284,993.49)	(273,118.37)
22. ReMat Reserves	(1,536,886.42)	(1,669,118.37)
23. Northern Mainline Extension Study Prepayment	(510.31)	(6,091.14)
24. Blue Lake Rancheria Extension Study Prepayment	-	(238.23)
Subtotal	(2,330,109.89)	(2,439,920.47)
UNRESTRICTED RESERVES		
30. General Fund Reserves	(3,984,660.12)	(6,276,291.94)
Subtotal	(3,984,660.12)	(6,270,659.50)
TOTAL NET POSITION	**(14,392,009.03)**	**(16,148,491.83)**

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

REVENUE REPORT

May 31, 2026

92%

Of Budget Year

A. REVENUE RETURNED TO CUSTOMERS VIA PF2

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
1. Humboldt Bay Retail Water Revenue	31,699	360,039	348,612	360,000	100%
General Revenue					
Power Sales (Net ReMat)	7,210	94,374	146,426	125,000	75%
Tax Receipts (1% Taxes)	0	701,311	1,661,400	1,450,000	48%
Interest - Muni PF2 Retained	0	37,847	63,619	30,000	126%
2. Miscellaneous Revenue*	30	1,328	8,855	50,000	3%
**Detail on following page*					
TOTAL PF2 REVENUE CREDITS	**38,940**	**1,194,898**	**2,228,912**	**2,015,000**	**59%**

B. DISTRICT REVENUE

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
3. Industrial Water Revenue					
Harbor District	0	0	0	0	0
Subtotal Industrial Water Revenue	0	0	0	0	0
4. Municipal Water Revenue					
City of Arcata	133,461	1,538,485	1,457,763	1,701,895	90%
City of Blue Lake	18,666	213,448	190,606	235,198	91%
City of Eureka	316,072	3,607,008	3,321,658	3,946,856	91%
Fieldbrook CSD	0	186,418	168,827	224,020	83%
Humboldt CSD	97,542	1,098,829	1,050,450	1,218,937	90%
Manila CSD	0	84,059	84,978	100,714	83%
McKinleyville CSD	105,305	1,222,082	1,185,951	1,333,276	92%
Subtotal Municipal Water Revenue	671,047	7,950,328	7,460,233	8,760,896	91%
TOTAL INDUSTRIAL & WHOLESALE REVENUE	**671,047**	**7,950,328**	**7,460,233**	**8,760,896**	**91%**
5. Power Sales					
Power Sales (ReMat Revenue)	9,195	197,766	300,774	300,000	66%
Interest (ReMat Revenue)	0	0	0	0	
TOTAL REMAT REVENUE	**9,195**	**197,766**	**300,774**	**300,000**	**66%**
6. Other Revenue and Grant Reimbursement					
HB Retail Capital Replacement Rev.	3,825	42,800	44,000		
FCSD Contract	0	287,783	294,642		
FEMA/CalOES Grant Revenue	0	3,665,133	202,963		
SWRCB In-Stream Flow Grant Revenue	0	0	1,109,931		
Quagga Grant Revenue	0	0	0		
Misc. Grant Revenue	0	1,597	14,927		
Interest Earned	0	0	0		
Net Increase/(Decrease) Investment Accounts	59,913	381,531	531,356		
TOTAL OTHER/GRANT REVENUE	63,738	4,378,843	2,197,820		
GRAND TOTAL REVENUE	**782,919**	**13,721,835**	**12,187,739**	**11,075,896**	**124%**

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

MISCELANEOUS REVENUE - DETAIL REPORT

May 31, 2026

B. MISCELLANEOUS RECEIPTS (RETURNED TO CUSTOMERS VIA PF2)

	MTD RECEIPTS	YTD RECEIPTS
Miscelaneous Revenue		
Dividend - Principal Life	-	-
Fees - Park Use	-	-
Refund - Diesel Fuel Tax	-	188
Refunds - Miscelaneous	-	-
Sale - Surplus Material/Equipment	-	283
Reimb. - Copies & Postage	-	67
Reimb. - Gas	-	-
Reimb. - Misc. Employee	-	-
Reimb. - Telephone	-	-
UB - Water Processing Fees	30	390
UB - Hydrant Rental Deposit/Use	-	-
UB - PF2 Rebate, Fairhaven Techite Balance	-	-
Sale of Scrap Metal/Gravel	-	400
Ruth Area		
Lease - Ruth Mutual Water Company	-	-
Ruth Annual Lessee Water Fees	-	-
TOTAL MISCELANEOUS REVENUE	30	1,328

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

MONTHLY EXPENDITURE REPORT - PAGE 1 OF 3

May 31, 2026

92%

Of Budget Year

SALARY AND EMPLOYEE BENEFIT EXPENDITURES (S. E. B.)

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
Compensation					
1. Wages - Regular	220,619.55	2,351,176.73	2,224,630.76	2,974,302	88%
2. Wages - Sick	9,197.49	76,880.12	103,225.18		
3. Wages - Vacation	16,201.82	200,888.52	185,852.18		
Subtotal	246,018.86	2,628,945.37	2,513,708.12	2,974,302	88%
4. Wages - Overtime	4,015.08	84,549.96	11,499.82	17,400	
5. Wages - Holiday (Worked)	-	11,884.46	11,685.57	17,587	
Subtotal	4,015.08	96,434.42	23,185.39	34,987	276%
6. Wages - Part-Time	4,618.13	46,870.29	51,208.67	103,224	45%
7. Wages - Shift Differential	1,130.40	11,862.35	11,084.15	12,342	96%
8. Wages - Standby	10,040.22	111,909.98	99,769.87	112,560	99%
9. Director Compensation	2,210.00	32,943.00	32,030.00	40,300	82%
10. Secretarial Fees	106.00	1,537.00	2,294.25	3,150	49%
11. Payroll Tax Expenses	20,041.72	222,844.11	208,066.29	261,094	85%
Subtotal	38,146.47	427,966.73	404,453.23	532,670	80%
Employee Benefits					
12. Health, Life,& LTD Ins.	59,416.74	634,293.98	597,748.22	706,282	90%
13. Air Medical Insurance	-	2,607.00	2,923.00	2,212	118%
14. Retiree Medical Insurance	16,357.52	172,705.24	143,954.99	106,500	127%
14a. Retiree Medical Reimb.	*(1,726.38)*	*(37,581.90)*	*(45,201.35)*		
15. Employee Dental Insurance	4,664.11	39,699.13	27,584.38	36,766	108%
15a. HBMWD Reserve Funding	*(2,373.11)*	*(14,238.66)*	-		
16. Employee Vision Insurance	582.37	6,225.39	6,392.20	7,350	85%
17. Employee EAP	77.79	829.30	851.54	1,226	68%
18. Fitness Stipend	135.00	1,499.98	1,288.74	15,120	10%
19. 457b District Contribution	3,900.00	41,312.50	42,700.00	43,200	96%
20. CalPERS Expenses	32,686.24	701,538.03	634,022.10	652,398	108%
21. Workers Comp Insurance	-	76,096.65	78,983.10	119,736	64%
Subtotal	113,720.28	1,624,986.64	1,491,246.92	1,690,790	96%
TOTAL S.E.B	**401,900.69**	**4,778,333.16**	**4,432,593.66**	**5,232,749**	**91%**

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

MONTHLY EXPENDITURE REPORT - PAGE 2 OF 3

May 31, 2026

92%

Of Budget Year

SERVICE & SUPPLY EXPENDITURES (S & S)

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
Operations & Maintenance					
1. Auto Maintenance	4,315.41	43,165.51	51,015.77	50,000	86%
2. Engineering	2,157.13	52,673.01	27,652.49	75,000	70%
3. Lab Expenses	-	15,000.00	22,335.00	18,000	83%
4. Maintenance & Repairs					
General	5,377.47	60,540.29	44,458.58	48,000	126%
TRF	58.51	34,337.26	7,813.38	17,000	202%
Subtotal	*5,435.98*	*94,877.55*	*52,271.96*	*65,000*	146%
5. Materials & Supplies					
General	15,047.08	62,408.36	71,590.61	45,000	139%
TRF	95.70	134,299.13	86,053.13	44,000	305%
Subtotal	*15,142.78*	*196,707.49*	*157,643.74*	*89,000*	221%
6. Radio Maintenance	611.97	6,670.48	10,186.40	8,500	78%
7. Ruth Lake License	-	1,500.00	1,500.00	1,500	100%
8. Safety Equip./Training					
General	5,139.57	20,541.32	26,559.96	18,700	110%
TRF	61.03	415.24	1,854.57	2,000	21%
Subtotal	*5,200.60*	*20,956.56*	*28,414.53*	*20,700*	101%
9. Tools & Equipment	115.83	3,437.89	4,863.82	5,000	69%
10. USGS Meter Station	-	9,570.00	9,110.00	9,500	101%
Operations Subtotal	***32,979.70***	***444,558.49***	***364,993.71***	***342,200***	**130%**
General & Administration					
11. Accounting Services	5,865.00	30,214.00	34,628.50	35,000	86%
12. Bad Debt Expense	-	(2,472.79)	-	-	0
13. Dues & Subscriptions	-	37,072.77	35,137.91	39,000	95%
14. IT & Software Maintenance	33,126.69	118,371.86	103,890.90	124,000	95%
15. Insurance	-	176,911.34	192,471.70	146,000	121%
16. Internet	867.14	9,497.67	9,672.14	11,150	85%
17. Legal Services	5,052.50	62,457.00	16,788.00	35,000	178%
18. Miscellaneous	347.29	9,207.45	8,315.86	10,000	92%
19. Office Building Maint.	1,724.45	21,330.85	22,360.65	19,000	112%
20. Office Expense	3,259.66	38,949.07	39,645.41	39,600	98%
21. Professional Services	-	137,984.07	6,448.75	20,000	690%
22. Property Tax	-	-	2,764.00	3,000	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

MONTHLY EXPENDITURE REPORT - PAGE 3 OF 3

May 31, 2026

92%

Of Budget Year

SERVICE & SUPPLY EXPENDITURES (con't)	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
23. Regulatory Agency Fees	75.00	215,113.81	232,671.38	216,000	100%
24. Ruth Lake Programs	-	500.00	1,425.00	5,000	10%
25. Safety Apparel	2,365.30	6,589.13	10,629.53	10,050	66%
26. Technical Training	-	533.00	-	14,000	4%
27. Telephone	1,256.69	13,003.69	12,048.57	15,000	87%
28. Travel & Conference	680.09	13,492.03	24,219.97	22,000	61%
Gen. & Admin. Subtotal	*54,619.81*	*888,754.95*	*753,118.27*	*763,801*	116%
TOTAL SERVICE & SUPPLY	*87,599.51*	*1,333,313.44*	*1,118,111.98*	*1,106,000.84*	121%
Power					
29. Essex - PG & E	65,243.59	843,248.08	829,048.57		
30. 2Mw Generator Fuel	-	-	-		
Subtotal Essex Pumping	65,243.59	843,248.08	829,048.57	937,000	
31. All other PG & E	17,365.22	182,892.19	179,856.19	199,000	
Subtotal All Power	*82,608.81*	*1,026,140.27*	*1,008,904.76*	1,136,000	90%
Total Service and Supplies incl. Power	170,208.32	2,359,453.71	2,127,016.74	2,242,001	105%
GRAND TOTAL EXPENSES	572,109.01	7,137,786.87	6,559,610.40	7,474,749.84	95%
OTHER EXPENSES					
32. ReMat Consultant Exp.	773.44	17,337.20	27,910.60		
33. Capital Replacement Exp.	-	-	-		
TOTAL EXPENSES WITH OTHER EXPENSES					
	572,882.45	7,155,124.07	6,587,521.00		

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

PROJECT PROGRESS REPORT

May 31, 2026

92% *Of Budget Year*

A. CAPITAL PROJECTS

	GRANT FUNDED PROJECTS	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
1	Grant - TRF Generator	1,962	661,499	1,731,813	38%
	(Treatment Facility Project, $1.9M - FEMA, Approved)				
2	Grant - Collector Mainline Redundancy Pipeline	0	1,415	3,200,000	0%
	(Treatment/Base Facility Project, $3.2M - FEMA, Approved)				
3	Grant - 2x Tank Seismic Retro	0	4,436,499	3,174,488	140%
3A	Grant - 1x Tank (Industrial) Seismic Retrofit	0	(1,453,918)		
	($5.7M - FEMA Approved, Pending Add'l Funding)				
4	Adv. Assistance Spillway Seismic Grant	22,881	575,756	1,487,567	39%
	($1.5M - FEMA Approved, Pending Add'l Funding				
	TOTAL GRANT FUNDED CAPITAL PROJECTS	**24,843**	**4,221,251**	**9,593,868**	**44%**

NON-GRANT FUNDED CAPITAL PROJECTS

5	FY26 Mainline Valve Replacement Program	0	0	100,000	0%
6	Collector 4 Transformer & Switchboard Replacement	0	86	99,000	0%
7	Collector 4 Electrical Sub-Panel Replacements	0	0	14,250	0%
8	Roof Replacement & Modifications to OSG Bldg.	0	31,555	44,250	71%
9	Modular Training Room and EOC Building	0	0	260,000	0%
	TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	**0**	**31,641**	**517,500**	**6%**

B. EQUIPMENT AND FIXED ASSET PROJECTS

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
10	FY26 Replace ESSEX Administrative Computers	0	3,774	6,500	58%
11	FY26 Replace Control Computers	0	3,428	5,250	65%
12	Traffic Control Equipment Upgrades	0	1,784	1,750	102%
13	Hyster Forklift Fork Extensions	0	1,456	2,000	73%
14	Replace Unit 7	0	33,544	76,000	44%
15	Replace Control Servers Essex	0	0	37,750	0%
17	Control Laptops for Electrical Dept	0	4,576	6,250	73%
18	Replace 35kW Generator	0	0	57,750	0%
19	Replace Chipper	0	57,294	67,500	85%
20	Replace Unit 12	0	74,222	88,250	84%
21	Replace Control Servers - TRF	0	0	37,750	0%
	(Treatment Facility Project)				

B. EQUIPMENT AND FIXED ASSET PROJECTS (con't)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
22	TRF Chlorine Analyzer Replacement Phase 2 of 2 *(Treatment Facility Project)*	0	22,938	22,500	102%
23	Purchase Spare Turbidimeter *(Treatment Facility Project)*	0	8,737	8,750	100%
24	FY26 Replace EUREKA Administrative Computers	441	441	6,000	7%
25	AC Units for Headquarters, Bunkhouse & Hydro Plant	0	0	10,750	0%
26	Ruth Slide Gate Rm Electl Upgrade & Hyd. Pump Rplt	0	11,215	10,250	109%
27	Ruth Hydro Weir Vault Modifications & Add Pump Cap	0	4,642	7,400	63%
28	Unit #6 AED Defibrillator	0	2,069	2,500	83%
29	Ruth Spillway Davit	321	4,374	5,750	76%
30	Ruth Hydro Emergency and Portable Lighting	0	1,547	2,000	77%
31	Ruth Hydro Sump Pump Replacement	0	6,254	6,500	96%
32	Replace 35kW Standby Generator	0	45,581	54,000	84%
33	Ruth Lake Decontamination Station	0	0	40,000	0%
33A	Board Room Chairs & Tables	0	8,920	0	0%
33B	Eureka Office Fence	71,007	71,007	0	0
33C	Emergency Work at RW Matthews Dam	140,866	383,546	0	0%
	TOTAL EQUIPMENT & FIXED ASSET PROJECTS	**212,635**	**751,350**	**563,150**	**133%**

C. MAINTENANCE PROJECTS

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
34A	FY26 Pipeline Maintenance	0	5,381	14,000	38%
35	FY26 Main Line Meter Flow Calibration	251	251	16,000	2%
36	FY25 Technical Support and Software Updates	0	245	24,000	1%
37	FY26 Generator Services	0	2,695	3,600	75%
38	FY26 Hazard & Diseased Tree Removal	0	1,200	8,000	15%
39	FY26 Cathodic Protection	0	0	1,500	0%
40	FY26 Maintenance Emergency Repairs	0	220,934	50,000	442%
41	FY26 Fleet Paint Repairs	0	0	5,000	0%
42	FY26 12kV Electric System General Maintenance	0	5,490	10,500	52%
43	FY26 Voice and SCADA Radio Maintenance	0	0	3,000	0%
44	FY26 Safety Certification of Electrical Tools	341	341	2,500	14%
45	FY26 Collector Lube Oil System Maintenance	0	0	4,500	0%
46	FY26 Fleet Vehicle ALL DATA Software Subscrptn	0	0	3,750	0%
47	FY26 Unit Compliance Testing	110	110	5,000	2%
48	FY26 SB198 Safety Committee Funding	701	5,398	5,000	108%

92% *Of Budget Year*

C. MAINTENANCE PROJECTS (con't)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
48A	Collector 4 Investigation & Repairs	0	4,147	0	0
49	Production Flow Meter Calibrations	0	0	9,500	0%
50	Line Shed 4 Roof Replacement	0	12,011	57,750	0%
51	Maintenance Shop Roof Replacement	0	0	57,750	0
52	FY26 Pipeline R-O-W Maintenance	0	4,543	20,000	23%
53	Equipment Storage Building Roof Replacement	0	4,543	6,500	1%
54	Unit 2 and Unit 13 Engine Oil Leak Repairs	0	52	6,750	1%
55	FY26 TRF Generator Service *(Treatment Facility Project)*	0	52	500	0%
56	FY26 TRF Limitorque Valve Retrofit Supplies *(Treatment Facility Project)*	0	0	15,000	0%
57	TRF Valve Network Upgrade (Phase 2) *(Treatment Facility Project)*	0	206	55,000	0%
58	FY26 Brush Abatement Ruth Hydro	0	0	22,000	0%
59	FY26 LTO Insurance	0	0	6,000	0%
60	FY26 Spillway Repairs	0	1,565	10,000	16%
61	FY26 Howell Bunger Valve Inspection	0	0	1,500	0%
62	FY26 Log Boom Inspection	0	0	1,500	0%
63	Ruth Hydro Maintenance and Improvements	8,523	10,588	10,250	103%
64	FY26 Eureka Office Generator Service	340	340	500	68%
65	Main Office Paint/Repairs/Fencing	0	80	8,000	1%
	TOTAL MAINTENANCE PROJECTS	**10,267**	**280,173**	**444,850**	**63%**

D. PROFESSIONAL & CONSULTING SERVICES

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
66	FY26 Crane Testing/Certification	0	12,693	12,000	106%
67	FY26 On-Site Sodium Hypochlorite System Maintenance	1,436	19,519	20,750	94%
68	FY26 Hydro Plant Annual Electrical & Maint Inspect	3,116	3,116	4,000	78%
69	FY26 Cyber Security Maintenance	0	0	5,500	0%
70	FY26 Essex Mad River Cross-Sectional Survey	0	7,200	7,200	100%
71	FY26 GHD Review & Report of Essex MR CrossSection	0	990	6,000	17%
72	Mitigation Funds, Samoa Dunes EIR	0	0	50,000	0%
73	Litigation Assessment	0	0	20,000	0%
74	FY26 Technical Training	0	2,134	20,000	11%
75	FY26 O & M Training	492	1,672	24,500	7%
76	FY26 Cross Connection Control Certification	0	695	3,000	23%

92% *Of Budget Year*

D. PROFESSIONAL & CONSULTING SERVICES (CON'T)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
76A	GHD - GIS Project	0	13,790	0	0
77	FY26 Public Education Funds	0	699	5,000	14%
78	FY26 Mad River Regulatory Compliance Assistance	0	18,421	50,000	37%
79	FY26 Grant Applications Assistance	0	11,998	20,000	60%
80	Construction Contract Documents Developoment Assistance - GHD	0	0	10,000	0%
81	FY26 Asst w/401/404 Permits;LTSAA;Other-Stillwater	0	162,000	50,000	324%
82	Cathodic Protection Close-Interval Potential Surv.	0	0	25,400	0%
83	FY26 Dam Spillway Wall Monument Survey-Points West	0	10,000	10,000	100%
84	FY26 Matthews Dam Spillway Wingwall & Floor Survey	0	62	7,000	1%
85	Vertical Monument Monitoring - Points West	0	5,800	5,800	100%
86	Vertical Monument Monitoring - Data Review (GHD)	0	0	5,000	0%
87	West (Left) Abutment Slide Monitoring -Points West	0	8,700	8,700	100%
88	West (Left) Abutment Monitoring -Data Review (GHD)	0	0	4,000	0%
89	FY26 FERC Dam Safety Surveillance and Monitoring Report	0	124	11,518	1%
90	FY26 FERC Chief Dam Safety Engineer	1,850	13,974	16,804	83%
91	GEI - Task 2-Part 12D; PFMA	0	0	0	0
92	GRANT-Adv. Asst Spillway Seism Out of Scope Boring	100,000	100,069	100,000	REALLOC.
93	Left/Right Abutment Assessment - SHN	0	0	10,000	0%
	TOTAL PROF/CONSULTING SERVICES	**106,894**	**393,657**	**512,172**	**77%**

E. INDUSTRIAL SYSTEM PROJECTS

94	Maintain Water Supply to Indust. Pump Station 6	0	0	13,250	0%
95	Repairs to I/W Reservoir Fence	0	8,100	10,000	81%
96	Grant - 1x Tank (Industrial) Seismic Retrofit	0	1,453,918	1,303,743	112%
	TOTAL INDUSTRIAL SYSTEM PROJECTS	**0**	**1,462,018**	**1,326,993**	**110%**

G. ADVANCED CHARGES & DEBIT SERVICE FUNDS COLLECTED

97	Prof. Services for New Capital Debt	13,517	148,683	162,200	92%
98	Grant - 3x Tank Seismic Retrofit	18,988	208,871	227,859	92%
	TOTAL ADVANCED CHARGES COLLECTED	**32,505**	**357,554**	**390,059**	**92%**

92% *Of Budget Year*

H. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS

	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
On-Site Generation of Chlorine	0	56,657	179,313	32%
($1.4M - FY25, Treatment Facility Project)				
Humboldt Bay Radio Read Meters	0	9,516	9,500	100%
(Capital Replacement Funds)				
HQ and Dam Road Paving (FY23)	0	145,825	112,000	130%
(August Complex Wildfire Funds Collected, ReMat Funds)				
North Mainline Extension Study	0	21,585	0	0
BL Rancheria Water	0	178	0	0
Grant - Ruth Lake Decontamination Station	164,410	164,410	40,000	411%
TOTAL NOT CHARGED TO CUSTOMERS	**164,410**	**398,170**	**340,813**	**117%**

PROJECT PROGRESS REPORT SUMMARY OF ALL ACTIVITY

CUSTOMER PF2 CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	0	31,641	517,500	6%
Treatment Facility Portion	*0*	*0*	*0*	
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	212,635	751,350	563,150	133%
Treatment Facility Portion	*0*	*31,675*	*69,000*	
TOTAL MAINTENANCE PROJECTS	10,267	280,173	444,850	63%
Treatment Facility Portion	*0*	*257*	*70,500*	
TOTAL PROF/CONSULTING SERVICES	106,894	393,657	512,172	77%
Treatment Facility Portion	*0*	*0*	*0*	
TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%
Treatment Facility Portion	*0*	*0*	*0*	
TOTAL ADVANCED CHARGES/DEBIT SERVICE	32,505	357,554	390,059	92%
Treatment Facility Portion	*$0*	*$0*	*$0*	
TOTAL CUSTOMER CHARGES	**$362,301**	**$1,814,375**	**$2,440,981**	**74%**

NON-CUSTOMER CHARGES (CURRENT FY)	MTD	YTD	BUDGET	% BUDGET
TOTAL GRANT FUNDED CAPITAL PROJECTS	24,843	5,675,169	10,897,611	52%
TOTAL NON-CUSTOMER CHARGES	164,410	398,170	340,813	117%
TOTAL USE OF ENCUMBERED FUNDS	233,062	616,889	1,617,260	38%
TOTAL NON-CUSTOMER CHARGES	**$422,315**	**$6,690,228**	**$12,855,684**	**52%**
GRAND TOTAL PROJECT BUDGET ACTIVITY	**$784,617**	**$8,504,603**	**$15,296,665**	**56%**

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
ENCUMBERED FUNDS RECONCILIATION REPORT
May 31, 2026

		MTD EXPENSES	YTD TOTAL	AMOUNT ENCUMBERED	REMAINING
	A. CAPITAL PROJECTS				
1E	Mainline Valve Replacement Program	0	0	55,173	55,173
2E	Retaining Wall for Valve Access	0	0	70,000	70,000
3E	Replace Pump 2-2 (Pre-Approved 04/2024)	0	27,938	26,713	(1,225)
4E	Peninsula Communications Options	0	0	42,000	42,000
5E	Mainline Valve Replacement Program	923	923	50,000	49,077
6E	Purchase Collector 4 Transformer	0	0	48,325	48,325
7E	Purchase Switchboard for Collector 4	0	35,167	41,589	6,422
8E	Resize Chemical Feed System	0	0	6,304	6,304
9E	Storage Barn at Headquarters	0	0	218,108	218,108
	B. EQUIPMENT & FIXED ASSET PROJECTS				
10E	FY25 Replace ESSEX Administrative Computers	0	2,978	2,978	0
11E	Telemetry Radio and Antenna Replacement	0	0	14,000	14,000
12E	District Lighting Upgrades	0	6,108	11,950	5,842
13E	Construction Tooling	0	0	1,473	1,473
14E	TRF Filter Gallery Heaters and Air Circulation	0	9,290	9,000	(290)
15E	Air Actuated Chemical Pump	0	2,392	2,000	(392)
16E	FY25 Replace EUREKA Administrative Computers	0	5,201	5,086	(115)
	C. MAINTENANCE PROJECTS				
17E	FY25 Main Line Meter Flow Calibration	0	1,690	15,900	14,210
18E	FY25 Technical Support and Software Updates	0	710	6,442	5,732
19E	FY25 Hazard & Diseased Tree Removal	0	3,550	8,000	4,450
20E	FY25 Fleet Paint Repairs	0	4,603	5,000	397
21E	TRF Valve Network Upgrade (Phase 2)	0	16,646	51,500	34,854
22E	FY25 Howell Bunger Valve Inspection	0	1,631	1,500	(131)
23E	Replace Hydro Plant PLC's	8,215	37,683	88,750	51,067
24E	FY25 Maintenance Emergency Repairs	0	4,627	5,000	373
	D. PROFESSIONAL & CONSULTING SERVICES				
25E	Caselle A/R Module	0	0	5,000	5,000
26E	CIP 10-yr Financial Revision and Project Review	0	5,905	22,960	17,055
27E	Retail Rate Study	0	0	12,000	12,000
28E	404 Permit Assistance	1,314	21,860	9,131	(12,729)
29E	Technical Dam/Spillway Support	188,305	189,909	189,909	REALLOC.
30E	FY25 Cyber Security Maintenance	0	0	5,250	5,250
31E	Microsoft 360 Email	0	12,404	7,274	(5,130)
32E	Professional Consulting Services for FERC Comprehensive Analysis	33,353	133,269	504,865	371,596
33E	Shatz Energy Research - Tesla Battery/Generator	780	14,294	14,296	2
34E	Samoa Peninsula Coastal Development Permit (Change of Scope)	172	58,309	40,295	(18,014)
35E	Eureka Cyber Security	0	19,800	19,489	(311)
	ENCUMBERED FUNDS TOTAL	233,062	616,889	1,617,260	1,000,371

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

SUPPLEMENTAL - FIELDBROOK-GLENDALE CSD CONTRACT SERVICES

MONTHLY BILLING/EXPENSE REPORT

May 31, 2026

	Month-to-Date	Year-to-Date
Contract Services Billing		
Administrative	1,261.23	13,873.53
Indirect/Overhead	999.28	10,992.08
Maintenance/Operations/Supplies	25,909.45	289,158.04
Total FB-GCSD Billing	**28,169.96**	**314,023.65**
Contract Services Expenses		
Employee Wages	13,964.44	147,394.86
Employee Benefits	6,760.58	70,781.54
Operations & Maintenance Expenses	1,123.58	24,549.10
General & Administrative Expenses	1,249.74	19,637.11
Total FB-GCSD Expenses	**23,098.34**	**262,362.61**
NET Fieldbrook Contract Services	**5,071.62**	**51,661.04**

Vendor Name	Date Paid	Description	Amount Paid
101 NETLINK			
101 NETLINK	05/12/2026	*Ruth Data Link/Internet*	340.00
Total 101 NETLINK:			340.00
ACWA/JPIA			
ACWA/JPIA	05/20/2026	*COBRA Dental*	354.98
ACWA/JPIA	05/20/2026	*COBRA Vision*	55.68
ACWA/JPIA	05/20/2026	*RETIREE MEDICAL*	15,946.86
Total ACWA/JPIA:			16,357.52
Advanced Display & Signs			
Advanced Display & Signs	05/12/2026	*Update Mission Statement for Board Room*	168.08
Total Advanced Display & Signs:			168.08
Advanced Security Systems			
Advanced Security Systems	05/12/2026	*Ruth Dam Quarterly Fire Alarm Monitoring*	160.50
Total Advanced Security Systems:			160.50
AirGas NCN			
AirGas NCN	05/28/2026	*Safety supplies for shop inventory*	313.52
AirGas NCN	05/28/2026	*Shop Supplies*	79.94
Total AirGas NCN:			393.46
Almquist Lumber			
Almquist Lumber	05/12/2026	*Paint for Ruth Hydro exterior stair case*	190.94
Total Almquist Lumber:			190.94
Amazon Capital Services			
Amazon Capital Services	05/28/2026	*Eureka Office Supplies*	189.53
Amazon Capital Services	05/28/2026	*Eureka Office Supplies*	252.88
Amazon Capital Services	05/12/2026	*Power inverter*	144.76
Amazon Capital Services	05/28/2026	*Essex Supplies*	16.29
Amazon Capital Services	05/28/2026	*Batteries & desiccant packs for tilt meters on spillway*	362.30
Amazon Capital Services	05/28/2026	*Binder dividers for fleet vehicle safety binders*	25.16
Amazon Capital Services	05/12/2026	*Essex Office Supplies*	22.57
Amazon Capital Services	05/12/2026	*Safety supplies*	101.97
Amazon Capital Services	05/12/2026	*Essex Office Supplies*	14.67
Amazon Capital Services	05/28/2026	*Ruth Cabin Supplies*	675.09
Amazon Capital Services	05/12/2026	*Eureka Office generator service filters*	147.92
Amazon Capital Services	05/12/2026	*Eureka Office generator service filters*	192.34
Amazon Capital Services	05/12/2026	*Unit 8 tools*	115.83
Amazon Capital Services	05/12/2026	*OSHG Supplies*	57.64
Amazon Capital Services	05/12/2026	*Dry bags for SCBAs for Ruth Penstock confined space entry*	117.76
Amazon Capital Services	05/28/2026	*Locks and Extension ladder ropt*	66.17
Amazon Capital Services	05/28/2026	*Batteries & desiccant packs for tilt meters on spillway*	58.70
Total Amazon Capital Services:			2,561.58
AT & T			
AT & T	05/28/2026	*Eureka/Essex Landline*	31.76
AT & T	05/28/2026	*Arcata/Essex Landline*	31.76

Vendor Name	Date Paid	Description	Amount Paid
AT & T	05/28/2026	*Eureka Office/Alarm*	66.41
AT & T	05/28/2026	*TRF*	32.42
AT & T	05/28/2026	*Essex office/Modem/Control Alarm System*	32.42
Total AT & T:			194.77
ATS Communications			
ATS Communications	05/14/2026	*PRO-IT Business Continuity/Data Back-Up Solution*	18,258.00
ATS Communications	05/12/2026	*IT and software maintenance subscriptions and support*	2,899.00
Total ATS Communications:			21,157.00
B&B Portable Toilets			
B&B Portable Toilets	05/28/2026	*Emergency Work at RW Matthews Dam*	42.60
B&B Portable Toilets	05/28/2026	*Emergency Work at RW Matthews Dam*	42.60
Total B&B Portable Toilets:			85.20
Blue Star Gas - Sequoia Gas Co.			
Blue Star Gas - Sequoia Gas Co.	05/28/2026	*Tank Rental for Ruth HQ*	130.49
Total Blue Star Gas - Sequoia Gas Co.:			130.49
Cal Poly Humboldt			
Cal Poly Humboldt	05/14/2026	*Contract for Tesla BESS and generator coordination #25-0441*	779.76
Total Cal Poly Humboldt:			779.76
Chris Merz			
Chris Merz	05/07/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Chris Merz	05/28/2026	*Per Diem for Ruth Hydro Upgrades*	56.25
Chris Merz	05/28/2026	*Per Diem for Ruth Annual Maintenance*	56.25
Total Chris Merz:			225.00
Christian Jorgensen			
Christian Jorgensen	05/07/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Total Christian Jorgensen:			112.50
City of Eureka			
City of Eureka	05/12/2026	*Eureka office water/sewer*	139.14
Total City of Eureka:			139.14
Coastal Business Systems Inc.			
Coastal Business Systems Inc.	05/28/2026	*Eureka office copy and fax machine*	826.88
Coastal Business Systems Inc.	05/28/2026	*Essex copy/fax machine*	295.68
Total Coastal Business Systems Inc.:			1,122.56
Cody Emmons			
Cody Emmons	05/28/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Total Cody Emmons:			112.50

Vendor Name	Date Paid	Description	Amount Paid
David J. Corral			
David J. Corral	05/28/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Total David J. Corral:			112.50
Dazey's Arcata			
Dazey's Arcata	05/12/2026	*Wattles for erosion control & ratchet straps*	199.70
Dazey's Arcata	05/12/2026	*Ratchet straps for Unit 8*	35.27
Dazey's Arcata	05/12/2026	*Spray paint, fuel stabilizer and tarp*	41.64
Dazey's Arcata	05/12/2026	*Primer for Ruth Hydro staircase*	25.34
Dazey's Arcata	05/28/2026	*Shop supplies*	96.99
Total Dazey's Arcata:			398.94
Downey Brand Attorneys LLP			
Downey Brand Attorneys LLP	05/12/2026	*Legal Fees March 2026 - Ruth*	1,555.00
Downey Brand Attorneys LLP	05/12/2026	*Legal Fees March 2026 - Instream Flow Ivestigation*	2,475.00
Total Downey Brand Attorneys LLP:			4,030.00
Eureka Oxygen			
Eureka Oxygen	05/28/2026	*cylinder rental*	133.00
Total Eureka Oxygen:			133.00
Eureka Readymix			
Eureka Readymix	05/28/2026	*Rock for Essex landscape*	67.97
Total Eureka Readymix:			67.97
Eureka-Humboldt Fire Ext.,Co, Inc			
Eureka-Humboldt Fire Ext.,Co, Inc	05/28/2026	*Co2 Fire Extinguisher*	456.38
Total Eureka-Humboldt Fire Ext.,Co, Inc:			456.38
FEDEX			
FEDEX	05/14/2026	*Shipping fees for Avon SCBAs 1, 2 & 3*	61.03
FEDEX	05/14/2026	*Ship backflow test kit*	58.51
FEDEX	05/27/2026	*Ship high voltage gloves and grounding cables for testing*	145.61
FEDEX	05/27/2026	*Ship Avon SCBAs 4 & 5 for annual flow testing*	44.91
FEDEX	05/27/2026	*Manila meter flow testing & calibration*	251.32
Total FEDEX:			561.38
FleetPride			
FleetPride	05/28/2026	*Hose clamps*	27.54
Total FleetPride:			27.54
Fortuna Iron Corporation			
Fortuna Iron Corporation	05/28/2026	*Tubing steel*	131.84
Total Fortuna Iron Corporation:			131.84
Frontier Communications			
Frontier Communications	05/28/2026	*Ruth HQ*	102.11
Frontier Communications	05/28/2026	*Ruth Hydro/Ruth Dataline*	358.94

Vendor Name	Date Paid	Description	Amount Paid
Total Frontier Communications:			461.05
GEI Consultants, Inc			
GEI Consultants, Inc	05/28/2026	*Advanced Assistance Seismic Spillway - GRANT #25-1814*	11,231.55
GEI Consultants, Inc	05/28/2026	*Advanced Assistance Seismic Spillway - GRANT #25-1814*	11,529.50
GEI Consultants, Inc	05/28/2026	*FERC Dam Safety Engineer*	1,850.00
GEI Consultants, Inc	05/28/2026	*CDSE Consultant Services #26-0131*	740.00
Total GEI Consultants, Inc:			25,351.05
GFT Infrastructure, Inc.			
GFT Infrastructure, Inc.	05/12/2026	*R.W. Matthews Dam Part 12D Comprehensive Assessment*	31,852.70
Total GFT Infrastructure, Inc.:			31,852.70
GHD			
GHD	05/28/2026	*CDP for Samoa Peninsula ROW Phase 1 #22-0626*	172.34
GHD	05/28/2026	*Instream Flow Assistance 26-1391*	2,157.13
Total GHD:			2,329.47
Health Equity Inc			
Health Equity Inc	05/07/2026	*HSA Admin Fee May 2026 - 19 employees*	56.05
Health Equity Inc	05/07/2026	*HSA Admin Fee May 2026 - 6 employees*	17.70
Total Health Equity Inc:			73.75
Hensel Hardware			
Hensel Hardware	05/12/2026	*50 Amp corded plug*	35.27
Hensel Hardware	05/28/2026	*Unit 13 repairs*	12.66
Hensel Hardware	05/12/2026	*Ruth Hydro Maintenance*	29.92
Hensel Hardware	05/28/2026	*Essex water heater repairs*	32.15
Hensel Hardware	05/28/2026	*Turbidimeter replacement*	95.70
Total Hensel Hardware:			205.70
Henwood Associates, Inc			
Henwood Associates, Inc	05/12/2026	*Consultant Services Agreement- March 2026*	386.72
Total Henwood Associates, Inc:			386.72
Humboldt County Treasurer			
Humboldt County Treasurer	05/13/2026	*Capital Financing Project*	45,611.43
Total Humboldt County Treasurer:			45,611.43
Humboldt Fasteners			
Humboldt Fasteners	05/28/2026	*Cut off wheels and tape for Ruth*	78.13
Humboldt Fasteners	05/28/2026	*Shop supplies*	88.18
Total Humboldt Fasteners:			166.31
Humboldt Fence Company			
Humboldt Fence Company	05/28/2026	*Eureka Office Fence*	70,900.00

Vendor Name	Date Paid	Description	Amount Paid
Total Humboldt Fence Company:			70,900.00
Humboldt Redwood Company, LLC			
Humboldt Redwood Company, LLC	05/12/2026	*Mt Pierce Lease site - May 2026*	346.74
Total Humboldt Redwood Company, LLC:			346.74
Hummel Tire & Wheel			
Hummel Tire & Wheel	05/28/2026	*New Tires for Unit #13*	646.81
Total Hummel Tire & Wheel:			646.81
Hydro Engineering Innovation LLC			
Hydro Engineering Innovation LLC	05/14/2026	*Ruth Lake Decontamination Station*	164,409.88
Total Hydro Engineering Innovation LLC:			164,409.88
Ideal Shield, LLC			
Ideal Shield, LLC	05/12/2026	*Dam crest guard rail repairs*	3,033.04
Total Ideal Shield, LLC:			3,033.04
John's Salt Service Inc.			
John's Salt Service Inc.	05/27/2026	*Salt for OSHG*	13,488.25
Total John's Salt Service Inc.:			13,488.25
Josiah Hargadon			
Josiah Hargadon	05/28/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Total Josiah Hargadon:			112.50
JTN Energy, LLC			
JTN Energy, LLC	05/12/2026	*Consultant Services Agreement - March 2026*	386.72
Total JTN Energy, LLC:			386.72
Justin Natividad			
Justin Natividad	05/07/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Total Justin Natividad:			112.50
Keenan Supply			
Keenan Supply	05/12/2026	*Royal Gold 10" fire service repair - part restock*	691.40
Keenan Supply	05/28/2026	*Meter brass inventory*	2,217.50
Keenan Supply	05/28/2026	*Meter brass inventory*	11.57
Total Keenan Supply:			2,920.47
Keith Daggs			
Keith Daggs	05/07/2026	*Per Diem for Ruth Annual Maintenance*	112.50
Total Keith Daggs:			112.50
McKinleyville Ace Hardware			
McKinleyville Ace Hardware	05/28/2026	*Essex water heater replacement*	264.25

Vendor Name	Date Paid	Description	Amount Paid
McKinleyville Ace Hardware	05/28/2026	*Shop Supplies*	40.27
Total McKinleyville Ace Hardware:			304.52
McMaster-Carr Supply			
McMaster-Carr Supply	05/12/2026	*Hardware for stair tread installation at Ruth Hydro*	88.03
McMaster-Carr Supply	05/12/2026	*Supplies for Ruth Spillway Davit*	321.10
Total McMaster-Carr Supply:			409.13
McNichols Co.			
McNichols Co.	05/12/2026	*Stair materials for Ruth Hydro*	5,549.39
Total McNichols Co.:			5,549.39
Mendes Supply Company			
Mendes Supply Company	05/28/2026	*Eureka office supplies*	143.18
Total Mendes Supply Company:			143.18
Miller Farms Nursery			
Miller Farms Nursery	05/28/2026	*Vegetation management supplies*	244.07
Miller Farms Nursery	05/28/2026	*Air filters for weedeaters*	15.20
Total Miller Farms Nursery:			259.27
Mission Linen			
Mission Linen	05/12/2026	*maintenance supplies & uniform rentals*	119.52
Mission Linen	05/12/2026	*maintenance supplies & uniform rentals*	76.39
Mission Linen	05/12/2026	*maintenance supplies & uniform rentals*	106.35
Mission Linen	05/12/2026	*maintenance supplies & uniform rentals*	61.40
Mission Linen	05/12/2026	*maintenance supplies & uniform rentals*	26.97
Mission Linen	05/12/2026	*maintenance supplies & uniform rentals*	91.81
Total Mission Linen:			482.44
NAPA AUTO PARTS			
NAPA AUTO PARTS	05/12/2026	*Unit 4 front brakes and calipers*	421.62
NAPA AUTO PARTS	05/12/2026	*Unit 4 front brakes and calipers*	123.48-
NAPA AUTO PARTS	05/12/2026	*Unit 12 repairs*	184.11
NAPA AUTO PARTS	05/28/2026	*Lamp for Line Shed 4*	14.03
Total NAPA AUTO PARTS:			496.28
O&M Industries			
O&M Industries	05/28/2026	*Metal for garbage can handles*	176.40
Total O&M Industries:			176.40
Occ. Health Service of Mad River			
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25

Vendor Name	Date Paid	Description	Amount Paid
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	05/28/2026	*DMV physical*	236.25
Total Occ. Health Service of Mad River:			3,858.75
O'Connor & Company			
O'Connor & Company	05/12/2026	*Annual Financial Audit FY24/25*	5,865.00
Total O'Connor & Company:			5,865.00
Optimum			
Optimum	05/06/2026	*Essex internet*	279.92
Optimum	05/06/2026	*Essex Phones*	87.30
Optimum	05/06/2026	*Eureka Internet*	210.95
Optimum	05/06/2026	*Fieldbrook-Glendale CSD Internet*	408.93
Optimum	05/06/2026	*TRF Internet*	36.27
Optimum	05/06/2026	*TRF Internet - Blue Lake SCADA Monitoring*	72.52
Optimum	05/06/2026	*TRF Internet - Fieldbrook-Glendale CSD*	72.52
Total Optimum:			1,168.41
O'Reilly Auto Parts			
O'Reilly Auto Parts	05/28/2026	*Unit 13 front suspension repairs*	519.80
Total O'Reilly Auto Parts:			519.80
PACE Engineering, Inc.			
PACE Engineering, Inc.	05/21/2026	*TRF Generator Project*	1,962.00
Total PACE Engineering, Inc.:			1,962.00
Pacific Gas & Electric Co.			
Pacific Gas & Electric Co.	05/12/2026	*Eureka Office*	300.74
Pacific Gas & Electric Co.	05/12/2026	*Jackson Ranch Rd Rectifier*	18.77
Pacific Gas & Electric Co.	05/12/2026	*HWY 299 Rectifier*	43.96
Pacific Gas & Electric Co.	05/12/2026	*West End Road Rectifier*	30.29
Pacific Gas & Electric Co.	05/12/2026	*TRF*	12,109.38
Pacific Gas & Electric Co.	05/12/2026	*Ruth Hydro Valve Control*	42.53
Pacific Gas & Electric Co.	05/12/2026	*Ruth Hydro*	25.60
Pacific Gas & Electric Co.	05/12/2026	*Samoa Booster Pump Station*	3,653.38
Pacific Gas & Electric Co.	05/12/2026	*Samoa Dial Station*	67.92
Pacific Gas & Electric Co.	05/12/2026	*Essex Pumping April 2026*	3,421.23
Pacific Gas & Electric Co.	05/12/2026	*Essex Pumping April 2026*	1,256.41
Pacific Gas & Electric Co.	05/12/2026	*Essex Pumping April 2026*	61,429.27
Pacific Gas & Electric Co.	05/28/2026	*Ruth Bunk House*	62.06
Pacific Gas & Electric Co.	05/28/2026	*Ruth HQ*	147.27

Vendor Name	Date Paid	Description	Amount Paid
Total Pacific Gas & Electric Co.:			82,608.81
Patriot Enviromental Services, Inc.			
Patriot Enviromental Services, Inc.	05/14/2026	*Contract for deployment to RW Matthews Dam - Emergency Cle*	138,844.01
Total Patriot Enviromental Services, Inc.:			138,844.01
Pierson Building Center			
Pierson Building Center	05/12/2026	*Eureka office toilet repairs*	12.12
Total Pierson Building Center:			12.12
Pitney Bowes Global Financial Services			
Pitney Bowes Global Financial Services	05/21/2026	*red ink cartridge*	124.44
Total Pitney Bowes Global Financial Services:			124.44
Platt Electric Supply			
Platt Electric Supply	05/12/2026	*Siren for alarm*	93.98
Platt Electric Supply	05/28/2026	*LS4 Replacement*	192.85
Platt Electric Supply	05/12/2026	*LS4 Replacement*	28.71
Total Platt Electric Supply:			315.54
Purchase Power			
Purchase Power	05/21/2026	*Postage Refill*	502.25
Total Purchase Power:			502.25
Recology Arcata			
Recology Arcata	05/12/2026	*Essex Garbage/Recycling Service - April 2026*	866.17
Total Recology Arcata:			866.17
Recology Humboldt County			
Recology Humboldt County	05/12/2026	*Eureka office garbage/recycling service - April 2026*	120.46
Total Recology Humboldt County:			120.46
Rental Guys, Inc			
Rental Guys, Inc	05/12/2026	*Rental of skid steer w/ concrete breaker attachment*	923.24
Total Rental Guys, Inc:			923.24
Rexel USA, Inc			
Rexel USA, Inc	05/28/2026	*Annual Scada Support FY25/26*	11,878.53
Rexel USA, Inc	05/21/2026	*Ruth Hydro Plant PLC upgrade project*	184.31
Rexel USA, Inc	05/28/2026	*Ruth Hydro Plant PLC upgrade project*	7,636.77
Rexel USA, Inc	05/28/2026	*Ruth Hydro Plant PLC upgrade project*	248.93
Rexel USA, Inc	05/28/2026	*Ruth Hydro Plant PLC upgrade project*	144.79
Total Rexel USA, Inc:			20,093.33
Safe and Sound Security			
Safe and Sound Security	05/12/2026	*Monthly help desk/tech support for Dam cameras*	67.97

Vendor Name	Date Paid	Description	Amount Paid
Total Safe and Sound Security:			67.97
Salisbury Online			
Salisbury Online	05/28/2026	*Testing of electrical PPE*	150.70
Total Salisbury Online:			150.70
SCBA Safety Check, Inc			
SCBA Safety Check, Inc	05/28/2026	*Annual flow test of Avon SCBA #1, 2 & 3*	257.25
SCBA Safety Check, Inc	05/28/2026	*Annual test of Avon SCBA's #s 4 & 5*	174.66
Total SCBA Safety Check, Inc:			431.91
Scrapper's Edge			
Scrapper's Edge	05/12/2026	*Large print reports*	120.26
Total Scrapper's Edge:			120.26
Seth Stone			
Seth Stone	05/28/2026	*Per Diem for Ruth Hydro Upgrades*	112.50
Total Seth Stone:			112.50
Shafer's Ace Hardware			
Shafer's Ace Hardware	05/12/2026	*Eureka office Restroom repair*	28.64
Total Shafer's Ace Hardware:			28.64
Solo Sports			
Solo Sports	05/12/2026	*Safety Apparel*	2,365.30
Total Solo Sports:			2,365.30
Stillwater Sciences			
Stillwater Sciences	05/28/2026	*404 Permit Assistance #26-0002*	1,313.75
Total Stillwater Sciences:			1,313.75
Tehama Tire Service			
Tehama Tire Service	05/12/2026	*Unit 16 tire repair*	25.00
Tehama Tire Service	05/28/2026	*Unit 4 tire repair*	66.51
Total Tehama Tire Service:			91.51
The Mill Yard			
The Mill Yard	05/28/2026	*Eureka office parking lot bumpers*	107.04
The Mill Yard	05/28/2026	*Ready mix concrete*	82.58
Total The Mill Yard:			189.62
The Mitchell Law Firm, LLP			
The Mitchell Law Firm, LLP	05/28/2026	*Legal Services- April 2026*	1,022.50
The Mitchell Law Firm, LLP	05/28/2026	*Legal Services- April 2026 Emergency work at Ruth*	217.00
Total The Mitchell Law Firm, LLP:			1,239.50

Vendor Name	Date Paid	Description	Amount Paid
Tim Farrell			
Tim Farrell	05/28/2026	*Per Diem for Ruth Hydro Maintenance*	112.50
Total Tim Farrell:			112.50
Tricia Bagnell			
Tricia Bagnell	05/28/2026	*Part 12D Inspection meals at Ruth*	1,500.00
Total Tricia Bagnell:			1,500.00
Trinity County General Services			
Trinity County General Services	05/28/2026	*Pickett Peak site lease - June 2026*	265.23
Total Trinity County General Services:			265.23
Trinity County Solid Waste			
Trinity County Solid Waste	05/28/2026	*Ruth HQ dump fees*	37.25
Trinity County Solid Waste	05/28/2026	*Ruth Hydro dump fees*	37.25
Total Trinity County Solid Waste:			74.50
Trinity Diesel, Inc			
Trinity Diesel, Inc	05/12/2026	*Unit 4 OBD Six Month CARB testing*	110.00
Total Trinity Diesel, Inc:			110.00
U.S. Bank Corporate Payment System			
U.S. Bank Corporate Payment System	05/06/2026	*Unit 12 repairs*	54.45
U.S. Bank Corporate Payment System	05/06/2026	*Buckets for Ruth Annual Maintenance*	26.33
U.S. Bank Corporate Payment System	05/06/2026	*Unit 12 repairs*	8.69
U.S. Bank Corporate Payment System	05/06/2026	*Tire for portable welder-light plant*	123.01
U.S. Bank Corporate Payment System	05/06/2026	*Unit 13 repairs*	153.31
U.S. Bank Corporate Payment System	05/06/2026	*Distilled water*	30.54
U.S. Bank Corporate Payment System	05/06/2026	*Lunch for all day safety meeting*	107.97
U.S. Bank Corporate Payment System	05/06/2026	*Essex Office Supplies*	142.56
U.S. Bank Corporate Payment System	05/06/2026	*Spendwise Monthly Subscription*	90.00
U.S. Bank Corporate Payment System	05/06/2026	*Eureka office supplies*	30.86
U.S. Bank Corporate Payment System	05/06/2026	*Stamps*	544.25
U.S. Bank Corporate Payment System	05/06/2026	*Food/drinks for meetings*	71.00
U.S. Bank Corporate Payment System	05/06/2026	*Employee Recognition*	203.23
U.S. Bank Corporate Payment System	05/06/2026	*HBMWD Domain Annual Fee*	23.19
U.S. Bank Corporate Payment System	05/06/2026	*New beds for Ruth Cabin*	6,329.77
U.S. Bank Corporate Payment System	05/06/2026	*Eureka office supplies*	97.20
U.S. Bank Corporate Payment System	05/06/2026	*Lawn Food for Ruth*	98.52
U.S. Bank Corporate Payment System	05/06/2026	*Mouse traps for Ruth HQ*	85.68
U.S. Bank Corporate Payment System	05/06/2026	*Printer ink for Hydro Plant*	178.57
U.S. Bank Corporate Payment System	05/06/2026	*Training with Blue Lake Rancheria*	100.00
U.S. Bank Corporate Payment System	05/06/2026	*Certified Mail*	61.05
U.S. Bank Corporate Payment System	05/06/2026	*CSDA Legislative Days Lodging*	580.09
U.S. Bank Corporate Payment System	05/06/2026	*Chat GPT monthly subscription*	20.00
U.S. Bank Corporate Payment System	05/06/2026	*Dell Pro Thunderbolt 4 Smart Dock*	440.99
U.S. Bank Corporate Payment System	05/06/2026	*Eureka office supplies*	77.16
U.S. Bank Corporate Payment System	05/06/2026	*Heat Exchanger gaskets*	179.89
U.S. Bank Corporate Payment System	05/06/2026	*Training courses*	289.90
U.S. Bank Corporate Payment System	05/06/2026	*Low pressure filter for Ruth Hydro Turbine*	311.71
U.S. Bank Corporate Payment System	05/06/2026	*OSG inventory*	1,436.00
U.S. Bank Corporate Payment System	05/06/2026	*Picnic table & umbrella for Ruth Hydro*	1,698.33

Vendor Name	Date Paid	Description	Amount Paid
U.S. Bank Corporate Payment System	05/06/2026	*Water absorbent sock for Ruth Slide-gate hydraulic tank*	118.34
U.S. Bank Corporate Payment System	05/06/2026	*Training units*	165.00
U.S. Bank Corporate Payment System	05/06/2026	*Absorbent booms for Ruth*	918.27
U.S. Bank Corporate Payment System	05/06/2026	*Water treatment manual & course*	202.25
U.S. Bank Corporate Payment System	05/06/2026	*Water for leak crew*	17.48
U.S. Bank Corporate Payment System	05/06/2026	*Dinner for leak crew*	63.91
U.S. Bank Corporate Payment System	05/06/2026	*Repair parts for John Deere Tractor*	916.28
U.S. Bank Corporate Payment System	05/06/2026	*AED pads for Ruth Hydro*	98.13
U.S. Bank Corporate Payment System	05/06/2026	*AED pads for Essex*	98.12
U.S. Bank Corporate Payment System	05/06/2026	*Spill kit for Unit 8*	75.75
Total U.S. Bank Corporate Payment System:			16,267.78
Valley Pacific Petroleum Serv. Inc			
Valley Pacific Petroleum Serv. Inc	05/21/2026	*Cardlock-Pumping & Control*	546.81
Valley Pacific Petroleum Serv. Inc	05/21/2026	*Cardlock-Water Quality*	546.81
Valley Pacific Petroleum Serv. Inc	05/21/2026	*Cardlock-Maintenance*	546.81
Valley Pacific Petroleum Serv. Inc	05/21/2026	*Cardlock-HB Retail*	142.18
Valley Pacific Petroleum Serv. Inc	05/21/2026	*Cardlock-FBGCSD*	404.64
Total Valley Pacific Petroleum Serv. Inc:			2,187.25
Verizon Wireless			
Verizon Wireless	05/12/2026	*General Manager*	52.00
Verizon Wireless	05/12/2026	*Humboldt Bay Retail*	13.52
Verizon Wireless	05/12/2026	*Fieldbrook Glendale CSD*	38.48
Verizon Wireless	05/12/2026	*Humboldt Bay IPAD*	9.88
Verizon Wireless	05/12/2026	*Fieldbrook Glendale CSD IPAD*	28.13
Verizon Wireless	05/12/2026	*Ruth Area*	17.66
Verizon Wireless	05/12/2026	*Ruth Hydro*	17.66
Total Verizon Wireless:			177.33
Watt's Cleaning Services			
Watt's Cleaning Services	05/12/2026	*Eureka Office Cleaning 4/9 & 4/23/26*	278.00
Total Watt's Cleaning Services:			278.00
WREGIS			
WREGIS	05/28/2026	*Annual ReMat Requirement*	75.00
Total WREGIS:			75.00
Grand Totals:			705,822.33

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 5.6

ITEM: FY27 Budget Approval

PRESENTED BY: Chris Harris, Director of Finance & Human Resources

TYPE of ITEM: ACTION

TYPE of ACTION: General Vote

BOARD POLICY: Not Applicable

Recommendation

Staff recommend the Board approve the FY27 Budget of $22,775,695 as presented at the May 20, 2026 Board Meeting. Any reallocation of available unspent FY26 project funds into the FY27 project budget will occur in July and does not affect the FY27 budget as presented (since these funds were already budgeted and collected). Staff does not anticipate any additional adjustments prior to the start of the new fiscal year. Approving the FY27 Budget at this time will allow District staff to efficiently manage the year-end transition and set up operations for the fiscal year beginning July 1, 2026.

Discussion

During the May 20, 2026 Board Meeting, staff presented the *Service & Supply Budget, Salaries & Wages Budget, Employee Benefits Budget*, and the *Project Budget*. No changes have been made to any budget component since that presentation. The complete FY27 Budget is summarized below.

Overall Comparison to FY26 Budget

Proposed Increase to Municipal Customers of 5.4%

Service & Supply Budget Increase $279,750 (12.5%)

- No changes since presentation May 20th
- Largest drivers: IT & Software Maintenance (+$81,000); TRF Materials & Supplies (+$31,000); Power (+$53,000)

Salaries & Wages Budget Increase $568,314 (17.6%)

- No changes since presentation May 20th
- Largest drivers: COLA (4.4%) $155,000; succession Coverage $130,000; Salary Schedule Adjustment (Year 2 of 3) $72,980

Employee Benefits Budget Increase $281,254 (14.0%)

- No changes since presentation May 20th
- Largest drivers: CalPERS (monthly and UAL) $115,000; Medical & Dental Premiums $71,000

Project Budget Customer Charges Decrease $336,350 (-11.2%)

- Total Project Budget $13,274,492; $5.8M funded by FEMA grants; $3.3M funded by reallocated advanced charges; $2.3M funded by current advanced charges; $1.8M funded by charges to municipal customers
- No changes since presentation May 20th
- Largest drivers (for Muni charges): Control Server & Rockwell Migration $216k; Collector 3 & 4 Underground Power $186k

FY27 Budget — At a Glance

Budget Category	FY27 Proposed Budget	Customer Charges	$ Change from Prior	% Change from Prior
Service & Supply (incl. Power)	$2,521,550	$2,521,550	+$279,550	+12.5%
Salaries & Wages	$3,794,593	$3,794,593	+$568,314	+17.6%
Employee Benefits	$2,287,723	$2,287,723	+$281,254	+14.0%
Project Budget (Customer Charges)	$13,274,492	$1,778,650	<$669,862>	<11.2%>
Capital Financing Charges (PF1)	$547,337	$547,337	—	—
Reserve Charges (PF4)	$350,000	$350,000	—	—
Less: Other Revenue Credits	*($2,015,000)*	*($2,015,000)*	—	—
TOTAL MUNICIPAL CUSTOMER CHARGES	$20,760,695	$9,264,853	+$459,256	+5.4%

Alternatives

Defer adoption of the FY27 Budget to the July 2026 Board Meeting. This would delay the District's ability to execute contracts, issue payroll adjustments, and commence project work for the new fiscal year. Staff do not recommend this alternative.

Fiscal Analysis

Overall increase in the FY27 Budget will increase charges to Municipal Customers by 5.4% when compared to the FY26 Budget, resulting in total projected charges of $9,264,853. This continues the District's trend of measured annual increases, consistent with recent years (FY25: +3.7%, FY26: +5.3%).

Environmental Requirements

N/A

Exhibits/Attachments

Attachment 1- FY27 Budget Introduction Presentation (presented May 20, 2026)

Humboldt Bay Municipal Water District

FY27 Budget Introduction

May 20, 2026

Presented by Chris Harris
Director of Finance & Human Resources

Ruth Lake · Trinity County, California

Budget Review Schedule

Two meetings to adoption

TODAY

May 20, 2026

- Summary Overview
- Service & Supply Budget
- Salaries & Employee Benefits
- Project Budget

IF NEEDED

Between Meetings

- Additional Board questions
- Staff available for follow-up
- Written responses as needed

FINAL

June 11, 2026

- Consideration of final budget
- Board adoption of FY27 Budget

FY27 Budget — At a Glance

For Board Consideration Today

Service & Supply (Including Power)

$2,521,550

+12.5% from prior year

Salaries & Wages

$3,794,593

+17.6% from prior year

Employee Benefits

$2,287,723

+14.0% from prior year

Project Budget, Advanced Charges (PF1), Reserve Charges (PF4)

$2,675,987

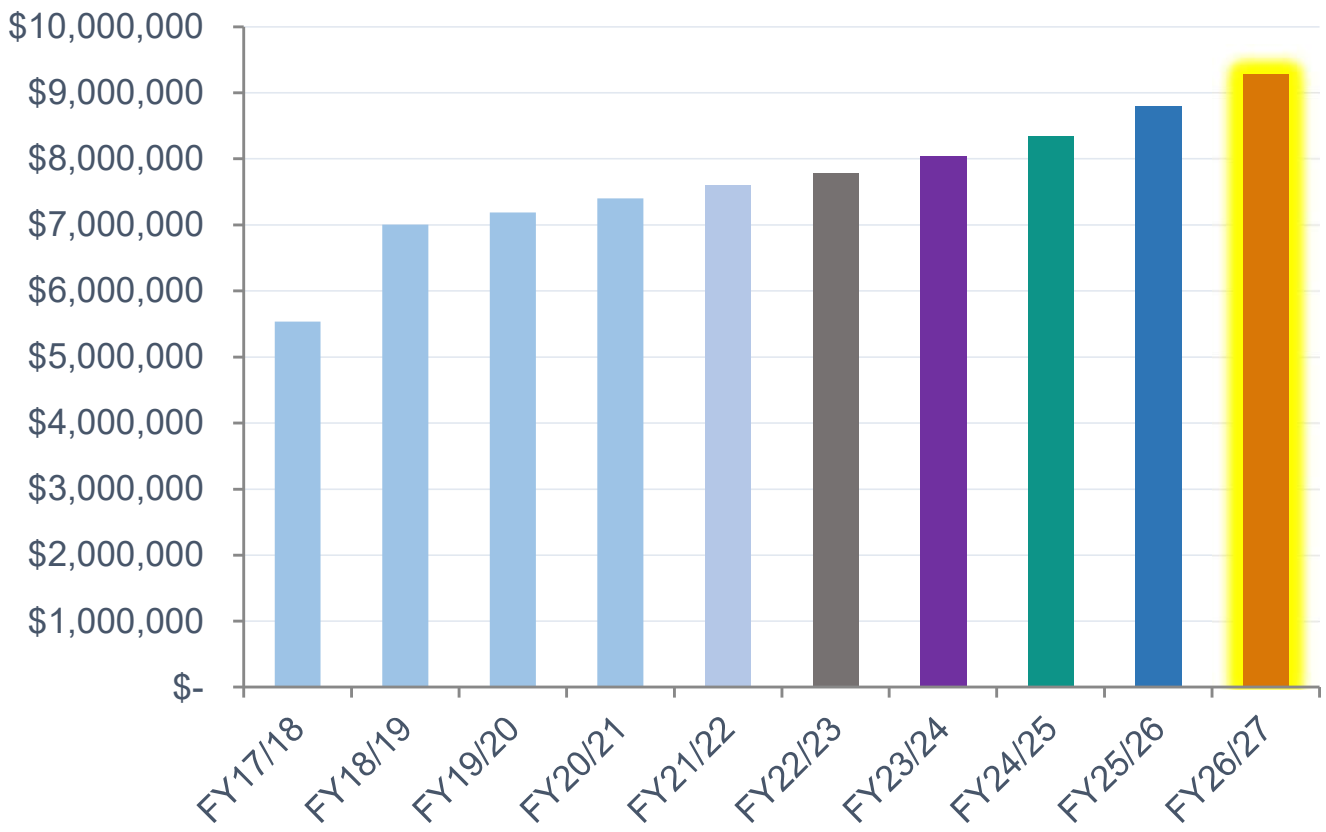
-11.2% from prior year

Less: Other Revenue Credits (Property Taxes Revenue, Hydro Power Revenue, Interest) **< $2,015,000 >**

TOTAL PROJECTED MUNICIPAL CUSTOMER CHARGES *+5.4% from prior year* **$9,264,853**

10-Year Trend: Total Municipal Customer Charges

FY18 through FY27 (Projected)



FY22/23	**$7.77M**	↑ *2.4%*
FY23/24	**$8.04M**	↑ *3.4%*
FY24/25	**$8.34M**	↑ *3.7%*
FY25/26	**$8.79M**	↑ *5.3%*
FY27 (Est.)	**$9.26M**	↑ *5.4%*

Ruth Lake · Trinity County, California

Section 2 of 6

Service & Supply Budget

Operations · Maintenance · Administration · Power

Service & Supply — Summary of Changes

Budget Line Item	Change	Notes
IT & Software Maintenance (Includes items previously in the Project Budget)	+$81,000	New fees for Microsoft 365; Increased Software Fees; Upgraded Cyber Security; Additional Router & Server Fees; Overall CPI Increases for Existing Software Maintenance Fees
Materials & Supplies – TRF	+$31,000	Large increase in rates for TRF chemicals
Regulatory Agency Fees	+$19,000	New Fees for 401 Permits (Ruth & Essex, both previously expired)
Maintenance & Repairs – TRF	+$18,000	Overall Increase in Maintenance & Repairs Costs
Accounting Services	+$15,000	Single Audit Fees for FY27
Legal Services	+$10,000	Anticipated Additional Legal Support
Insurance	+$10,000	Premium Increases
Professional Services	+$10,000	Additional contracted support for staff
Materials & Supplies – General	+$10,000	Overall substantial increase in materials & supplies costs
Other Increases (Eight Accounts)	+$22,550	Various smaller increases $400-$7,000
NET INCREASE	**+$226,550**	**22.0% over prior year**

Service & Supply — Operations & Maintenance Detail

Line-by-line comparison

Line Item	FY26	FY27	$ Change	% Change
General Engineering	$75,000	$75,000	$0	0%
Maintenance & Repairs (Gen & TRF)	$65,000	$83,000	+$18,000	27.7%
Materials & Supplies (Gen & TRF)	$89,000	$130,000	+$41,000	46.1%
Safety Equip. & Training (Gen & TRF)	$20,700	$22,000	+$1,300	6.3%
Tools & Equipment	$5,000	$5,000	$0	0%
Laboratory Services	$18,000	$25,000	+$7,000	38.9%
Auto Operations & Maintenance	$50,000	$50,000	$0	0%
Radio/Comm. System Maint.	$8,500	$11,500	+$3,000	35.3%
USGS Stations	$9,500	$10,000	+$500	5.3%
Ruth Lake License	$1,500	$1,500	$0	0%
TOTAL OPERATIONS & MAINTENANCE	**$342,200**	**$413,000**	**+$70,800**	**20.7%**

Service & Supply — General Administration Detail

Line-by-line comparison

Line Item	FY26	FY27	$ Change	% Change
Accounting Services	$35,000	$50,000	+$15,000	42.9%
Legal Services	$35,000	$45,000	+$10,000	57.1%
Professional Services	$20,000	$30,000	+$10,000	50.0%
Insurance	$146,000	$156,000	+$10,000	9.6%
Telephone	$15,000	$15,000	$0	0%
Internet	$11,150	$12,500	+$1,350	12.1%
Office Maintenance	$19,000	$24,000	+$5,000	26.3%
Office Expense	$39,600	$40,000	+$400	1.0%
IT & Software Maint.	$124,000	$205,000	+$81,000	65.3%
Travel/Conference	$22,000	$22,000	$0	0%
Dues & Subscriptions	$39,000	$43,000	+$4,000	10.3%
Technical Training & Development	$14,000	$14,000	$0	0%
SUBTOTAL GENERAL ADMINISTRATION	**$519,750**	**$656,500**	**+$136,750**	**27.1%**

Service & Supply — General Administration Detail (con't)

Line-by-line comparison

Line Item	FY26	FY27	$ Change	% Change
Safety Apparel & Boot Allowance	$10,050	$10,050	$0	0%
County Property Tax	$3,000	$3,000	$0	0%
Regulatory Agency Fees	$216,000	$235,000	+$19,000	8.8%
Ruth Lake Programs	$5,000	$5,000	$0	0%
Miscellaneous Expenses	$10,000	$10,000	$0	0%
SUBTOTAL GENERAL ADMIN.	**$244,050**	**$263,050**	**+$19,000**	**7.8%**
TOTAL GENERAL ADMINISTRATION	**$763,800**	**$919,050**	**+$155,750**	**20.4%**
Pumping Power	$937,000	$984,000	+$47,000	5.0%
Power – All Other	$199,000	$205,000	+$6,000	3.0%
TOTAL ALL POWER	**$1,136,000**	**$1,189,000**	**+$53,000**	**4.7%**
GRAND TOTAL SERVICE & SUPPLY	**$2,242,000**	**$2,521,550**	**+$279,750**	**12.5%**

Ruth Lake · Trinity County, California

Section 3 of 6

Salaries & Wages Budget

COLA · Salary Schedule Adjustment · Staffing

Salaries & Wages - Summary of Changes

FY26 Budget		FY27 Proposed		
$3,226,279	→	$3,794,593	=	+$568,314 +17.6%

Description – Additional Detail Follows	Amount
COLA – 4.4% Proposed	$155,425
Succession Coverage/Training (2 positions)	$130,808
Salary Schedule Adjustment	$72,980
Other Salary/Wage Increases (Longevity, Steps, Merit, Directors)	$86,262
Additional Requested Positions	$53,998
Acceleration of Supervisor Salaries	$43,580
Specialty Pay Increases (Stand-by, Overtime, Shift Differential)	$25,261
Total FY27 Salaries & Wage Increase	**$568,314**

Accelerate Supervisor Salary Adjustments – New Request

THE CHALLENGE: Supervisor/Assistant Supervisor Salary Compaction

Current State

- Supervisor and Assistant Supervisor positions salary rates were not structured for succession planning and have significant salary compaction.
- Step 5 of the Assistant Supervisor position is equivalent to step 4 of the Supervisor position – a gap of 5% separates the two classifications.

Risk to Operations

- For internal succession planning, the increased obligations and responsibility of promoting to the Supervisor position is not reflected in the current pay structure.
- Attracting qualified external applicants is more difficult without a competitive salary – the compressed range signals limited growth potential and reduces the quality of the candidate pool.
- Without correction compaction will deepen each cycle, eventually eliminating any meaningful pay distinction between the two levels.

Total Estimated Cost of Accelerated Supervisor Salary Adjustment: $43,580

Accelerate Supervisor Salary Adjustments – New Request

THE SOLUTION: Accelerate Salary Adjustment to FY27

Current Salary Adjustment Plan

Current Salary Adjustment Plan includes 3% increases July 2026, January 2027, July 2027, and January 2028

Accelerated Salary Adjustment

Increases the two Supervisor salary rates by 12% in the FY27 Budget. No additional increases after FY27.

Total Estimated Cost of Accelerated Supervisor Salary Adjustment: $43,580

Salary Schedule Adjustment — FY27 - New Request

Year Two of Three-Year Tiered Salary Schedule Adjustment, Based on Results of 2024 Salary Survey

2% Two 2% increases (July & January)

- Accounting Tech I & II
- Maintenance Mechanic
- Water Operations Specialist

3% Two 3% increases (July & January)

- Asst. Maintenance/Electrical Supervisor
- Asst. Water Operations Supervisor
- Electrician/Instrument Tech.
- Hydro Operator/Ruth Rep.
- Ops/Customer Service Specialist
- Operations & Maintenance Tech.

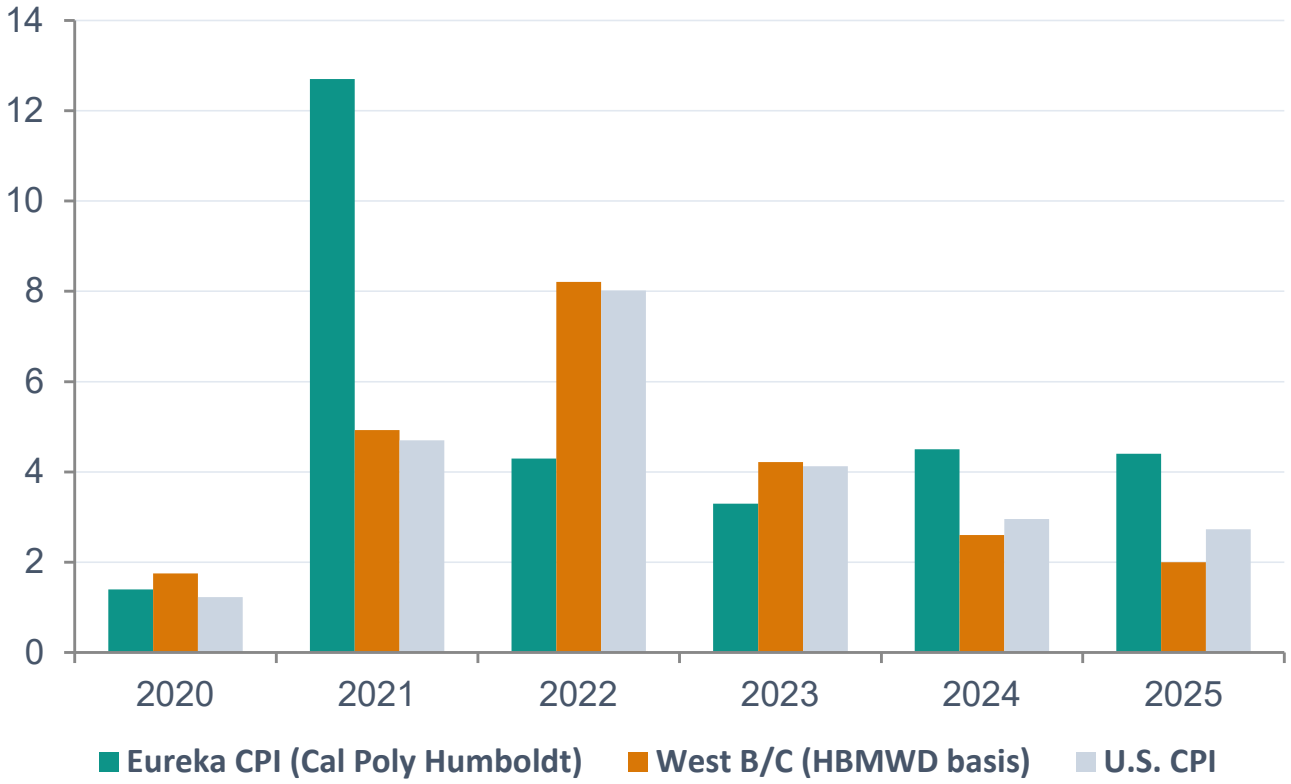
4% Two 4% increases (July & January)

- Executive Assistant/Board Secretary
- Maintenance Worker

Total Estimated Cost of FY27 Salary Schedule Adjustment: $72,900

Cost of Living Allowance (COLA) - New Request

Comparison of Eureka CPI vs. Bureau of Labor Statistics Indices — Annual Rates 2020–2025



Staff Recommendation = Eureka CPI

4.4%

Floor: 2.5% (West B/C)

FY27 Cost Comparison

West B/C — 2.5%	**$87,615**
Eureka CPI — 4.4%	**$155,425**
Difference	**$67,810**

$67,810 Difference ≈ 0.7% of Projected Total Municipal Customer Charges.

COLA — Proposed Framework & Peer Comparison

Eureka CPI as Primary Reference · West B/C Retained as Floor

Proposed Framework

① **Primary Reference** (April 2026 Board Meeting)

Eureka CPI (Cal Poly Humboldt) — The only inflation index specifically measuring price changes in Humboldt County.

② **Floor Reference**

BLS West B/C CPI — Retained for peer agency comparability. Board would not ordinarily go below this rate without specific reason.

③ **Board Discretion**

As always, the Board considers the full picture — Peer agency COLAs, fiscal impact, salary schedule adjustments, staffing — before setting a final rate.

Peer Agency Comparison

McKinleyville CSD	**2.8%**	*December West B/C*
Humboldt CSD	**5%**	*Requested*
City of Arcata	**3.0%**	*3-year Contract*
City of Eureka	**3.0%**	*3-year Contract*
HBMWD (proposed)	**4.4%**	*Eureka CPI*
HBMWD (floor)	**2.5%**	*West B/C floor*

Maintenance Mechanic I Position – New Request

THE CHALLENGE: A THIN BENCH

Current State

- Two Maintenance Mechanic II positions to support the full scope of maintenance operations including: water treatment, pumping, distribution, storage, hydroelectric, communications, and pipeline infrastructure.
- Virtually no bench depth to absorb an unplanned departure, extended leave, or retirement without immediate impact to operations.

Risk to Operations

- No successor trained on District-specific systems. Familiarity with the District's systems, facilities, and operational procedures cannot be quickly transferred or hired from outside in an emergency.
- Emergency contractor costs far exceed a salary.
- Without a level I position the District risks finding itself in a reactive hiring situation — attempting to recruit an experienced journey-level mechanic from a very limited regional labor market at a higher cost, with no guarantee of success.

THE SOLUTION: RECRUIT A MAINTENANCE MECHANIC I

Grow From Within

A Mechanic I position will learn District-specific systems, equipment, and procedures under direct mentorship of two experienced Mechanic II employees.

Lower Entry Cost

Level I compensation is substantially less than a journey-level Mechanic II, making this the most fiscally responsible path to expanding capacity.

Built-In Succession

As the Mechanic I progresses through the classification series, the District develops a credentialed, certified successor over time.

Operational Resilience

A third mechanic provides coverage for emergency response and planned leaves — reducing single-point-of-failure risk.

Position requires T2/D2 State certifications — District supports certification attainment during employment.

Salaries & Wages Budget — FY27

Budget Increase of $568,314 — Individual Components

Description	Amount	Comment
COLA – 4.4% Proposed	$155,425	Recommend Eureka CPI
Succession Coverage/Training (2 Potential Positions)	$130,808	Retirement. Transition Coverage July-October 2026
Salary Schedule Adjustment	$72,980	Year Two of Three-Year Adjustment
Acceleration of Supervisor Salary Adjustment	$43,580	Salary Compaction/Succession Planning
Longevity Increases	$37,114	Five Employees
Step Increases	$36,048	Eight Employees
Maintenance Mechanic I Position	$32,998	6-Months; Continue to Improve Succession Planning
Specialty Pay Increases	$25,261	Stand-by, Shift Differential, Overtime
Additional Seasonal Employee	$21,000	6 Seasonal Employees Total
GM Merit Increase	$11,000	5% Budgeted
Director Compensation Increase	$2,100	Ordinance 17 Revision (Tied to COLA Increase)
Total FY27 Salaries & Wage Increase	**$568,314**	**17.6%**

Ruth Lake · Trinity County, California

Section 4 of 6

Employee Benefits Budget

CalPERS · Health Insurance · Payroll Taxes · New Requests

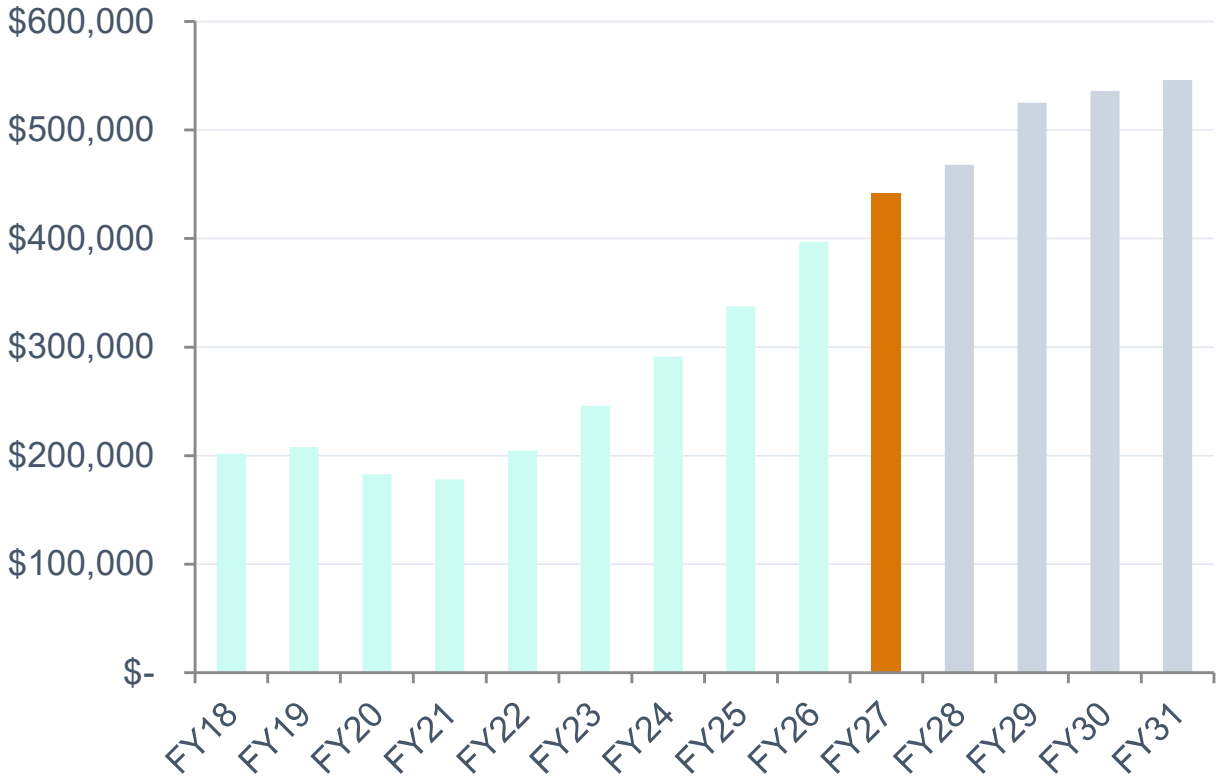
Employee Benefits — Summary of Changes

FY26 Budget		FY27 Proposed		
$2,006,469	→	$2,222,613	=	+$281,254 +14.0%

Description – Additional Detail Follows	Amount
CalPERS & Payroll Taxes (including UAL)	$144,037
Insurance Premiums	$70,451
Succession Coverage/Training	$38,593
Maintenance Mechanic I Position	$28,173
Total FY27 Employee Benefits Increase	**$281,254**

CalPERS UAL Rate Stabilization — New Request

Increasing the Rate Stabilization threshold helps protect ratepayers long-term



All UAL projections based on CalPERS July 2025 Actuarial. Amounts subject to market fluctuation.

FY25	***Pre-COVID Threshold $250,000***
FY26	***Increased to $325,000***
FY27	***Requested Increase to $375,000***
FY28	***Projected Increase to $425,000***
FY29+	***Projected Increase to $450,000***

PARS balance currently ~$900K — Currently sufficient to support this plan.

Tiered Sick Leave Accrual — New Request

Rewarding Longevity with Higher Accrual — Consistent with Vacation and 457-Match Structures

Years 1–4	Years 5–10	Years 11–15	Years 16+
8 hrs / month	**10 hrs / month**	**12 hrs / month**	**14 hrs / month**
Annual total: **96 hrs (12 days)**	Annual total: **120 hrs (15 days)**	Annual total: **144 hrs (18 days)**	Annual total: **168 hrs (21 days)**
Current rate (no change)	**+2 hrs/mo vs. current**	**+4 hrs/mo vs. current**	**+6 hrs/mo vs. current**

Rationale: Mirrors the vacation accrual structure and the 457-Match program (scales with longevity). Accrual increases only become a cost when leave is used or upon separation. The existing 1,040-hour cash-out cap remains unchanged. No budget impact in FY27.

Employee Benefits — FY27

Budget Increase of $216,144 — Individual Components

CalPERS UAL Rate Stabilization	NEW REQUEST	$50,000	Increase Stabilization from $325k to $375k
Health Insurance Premiums		$44,403	Based on ACWA/JPIA Estimate
CalPERS Monthly Expense		$65,051	Employer Percentage Increase
Succession Coverage/Training		$38,593	Succession Coverage from July-October 2026
Maintenance Mechanic I	NEW REQUEST	$28,173	6-months; Improve Succession Planning
Change in Dental Insurance		$26,048	Change approved September 2025
Payroll Taxes		$28,986	Related to Increase in Salary/Wages
Sick Leave Accrual Longevity Tiers	NEW REQUEST	$0.00	Cash-out caps limit the fiscal impact
Total FY27 Employee Benefits Increase		**$281,254**	**10.8%**

Ruth Lake – Trinity County, California

Section 5 of 6

FY27 Project Budget

Maintenance · Capital · Equipment · Professional Services

FY27 Project Budget— At a Glance

$13,274,492

Maintenance

$624,650

Municipal Customer Charges: $624,650

Capital Projects

$8,047,206

$4.3M Grant Funding, $1.8M Advanced Charges, $1.3M Reallocation

Municipal Customer Charges: $525,950

Equipment & Fixed Assets

$341,050

$195k Reallocation

Municipal Customer Charges: $146,300

Professional Services

$4,261,586

$1.5M Grant Funding, $485k Advanced Charges, $1.7M Reallocation

Municipal Customer Charges: $481,750

TOTAL PROJECT BUDGET CUSTOMER CHARGES $1,778,650

Maintenance Projects

Total Municipal Customer Charges: $624,650

Large Maintenance Project	Budget	Description
Essex Control Servers including Rockwell Migration (line 23)	$216,000	Grant has been applied for. Control servers are no longer supported by Microsoft. Each server hosts five virtual machines. Rockwell control software will also migrate to the new servers.
Ruth Dead/Dying Tree Removal (line 37)	$100,000	Anticipated 3-year process. $100k each year
TRF Valve Network Upgrade, phase 3 (line 33)	$55,000	This project will continue replacing Limitorque valve actuators and gearboxes on the TRF control valves.

Subtotal Large Maintenance Projects $371,000

Maintenance Projects

Total Municipal Customer Charges: $624,650

Project	Budget	Description
District Annual Maintenance Projects	$203,400	21 Projects (Pipeline, Generators, Electrical, OSHG, Safety, Vehicles, Dam/Spillway, etc.) Includes Essex, TRF, and Eureka Office
Small Maintenance Projects (<$12k)	$50,250	8 Projects, Includes Essex, TRF, and Eureka Office

Subtotal Annual and Small Maintenance Projects $220,150

Maintenance Projects

Large Maintenance Projects	$371,000
Recurring Annual Maintenance	$203,400
Small Maintenance Projects <$10k>	$50,250
Total Maintenance Projects	**$624,650**

Municipal Customer Charges $624,650

Capital Projects

Total Municipal Customer Charges: $525,950

On-Going Capital Projects	Budget	Description
3x Tank Seismic Retrofit Grant (line 49)	$7,515,006	On-going FEMA Grant $4.3M; Advanced Charges Collected/Reallocation $3.2M.
Advanced Charges – Capital Project Funding (line 48)	$162,200	These funds are to explore and pursue possibe long term financing options for CalPERS UAL, OPEB Liability, and CIP Projects. These funds will additionally be used for the future loan payment.
Mainline Valve Replacement Program (line 50)	$50,000	On-going funding for mainline valve replacements and will likely be used during the installation of the isolations valves this year.

Subtotal On-Going Capital Projects: $7,727,206

Capital Projects

Total Municipal Customer Charges: $525,950

Other Capital Projects	Budget	Description
Collector 3 & 4 Underground Power (line 52)	$185,750	Continue the high voltage undergrounding for Collectors 3 and 4. Once complete this will allow us to abandon all PG& E shared poles from Essex to Collector 2.
Engineering, Foundation & Retaining Wall for Modular EOC and Training Building (line 51)	$105,000	Engineering and site prep for modular EOC and training building.
Small Capital Projects <$15k>	$29,250	3 Projects; C-Poly chemical Feed System, Filter Building Inspection; Electric Vehicle Charging Station

Subtotal Other & Small Capital Projects: $320,000

Capital Projects

On-Going Capital Projects	$7,727,206
Other & Small Capital Projects	$320,000
Total Capital Projects	**$8,047,206**

Grant Funding	$4,305,518
Advanced Charges Collected	$1,858,000
Reallocated Funds	$1,357,738

Municipal Customer Charges $525,950

Equipment & Fixed Asset Projects

Total Municipal Customer Charges: $146,300

Equip. & Fixed Asset Projects	Budget	Description
Vacuum Trailer Replacement (line 73)	$147,000	The current Vacuum Trailer (2010) size and capacity have been limiting. Vacuum equipment is critical to leak repair operations. This unit will be a larger trailer-mounted vacuum with greater spoils capacity, stronger suction, an automated boom for improved ergonomics, and a reliable T4-compliant diesel engine.
Replace Unit 13 – Essex Commuter Car (line 74)	$47,750	Purchase of an all-electric compact crossover for use by operations for daily rounds to the TRF. Would also be available for use as a travel vehicle for training attendance out of town.
Hydro Plant PLC Upgrade, Phase 2 (line 82)	$27,950	Funding to complete the Ruth Hydro PLC Replacement Project initiated in 2024. This funding will supplement currently encumbered funds and reflects equipment cost increases and design modifications from the original project scope.

Subtotal Equipment & Fixed Assets: $222,700

Equipment & Fixed Asset Projects

Total Municipal Customer Charges: $146,300

Equipment/Fixed Asset Projects	Budget	Description
Confined Space Safety Equipment (line 69)	$31,750	Replacement of current BW Gas Detectors, spare mine phone, and replaces existing non-metal tanked SCBA's with three new models with the 2500PSI rating and metal tanks.
IT Equipment Projects	$67,300	9 Projects; Administrative & Control Computers; Servers; Routers & Switches; Security Cameras; Alarm Upgrade
Small Equipment Projects <$10k>	$19,300	2 Projects; Radio Read Meters; Tool Replacements

Subtotal Equipment & Fixed Assets: $118,350

Equipment & Fixed Assets

General Equipment & Fixed Asset Projects	$254,450
IT Equipment Projects	$67,300
Small Equipment Projects	$19,300
Total Equipment & Fixed Asset Projects	**$341,050**
Reallocated Funds	$194,750
Municipal Customer Charges	**$146,300**

Prof. & Consulting Service Projects

Total Municipal Customer Charges: $481,750

Large Projects	Budget	Description
Advanced Assistance Spillway Seismic Grant (line 115)	$3,097,336	On-going FEMA Grant $1.5M; Advanced Charges Collected/Reallocation $1.6M.
Isolation Valve Project (line 94)	$314,500	Design and construction of new isolation valves in the Arcata Bottoms, including engineering plans, specifications, contract documents, RFP, and construction.
Engineering Assessments for CIP (line 95)	$250,000	**Strategic Planning Initiative –** Funding for engineering assessments to support development of the District's Capital Improvement Program.
Collector 4 Investigation (line 92)	$75,000	This project funds an investigation into an active leak identified at one of the District's Ranney collectors, requiring mobilization of commercial divers and a crane to access and inspect the affected area.

Subtotal Large Professional & Consulting Service Projects: $3,736,836

Prof. & Consulting Service Projects

Total Municipal Customer Charges: $481,750

Other Projects	Budget	Description
EIR Mitigation (line 102)	$65,000	Additional funding to fulfill EIR-mandated mitigation requirements associated with District pipeline maintenance operations in the peninsula sand dunes.
FY27 Watershed Planning; Regulatory Support; and Public Outreach (line 106)	$55,000	Professional consulting services supporting the full range of the District's Mad River watershed responsibilities, including but not limited to regulatory compliance, habitat conservation planning, water rights, water supply planning, and public outreach.
Wiyot Tribe Monitoring Contract (line 103)	$25,000	District contract with the Wiyot Tribe to provide Tribal Cultural Monitors on an as-needed basis during ground-disturbing activities.

Subtotal Other Prof. & Consulting Service Projects: $145,000

Prof. & Consulting Service Projects

Total Municipal Customer Charges: $481,750

Prof. & Consulting Service Other Projects, con't	Budget	Description
Regulatory Dam & Spillway Requirements	$85,000	4 Projects; FERC required Dam CA; Spillway Surveys; Chief Dam Safety Engineer
Regulatory Reporting, Certifications, Training, & Calibration Requirements	$134,250	8 Projects; Source Water Assessment, SPCC update, various trainings & certifications
IT - Cyber Security Implementation & Maintenance	$30,500	2 Projects; Implementation & On-going maintenance
Prof. & Consulting Service – Small Projects (<$30k)	$130,000	6 Projects; Easement Management, VFD integration, GIS collaboration, grant assistance, GM evaluation, Hydro Synchronizer

Subtotal Professional & Consulting Service Projects: $379,750

Professional & Consulting Service Projects

Large Projects	$3,736,836
Other Professional & Consulting Service Projects	$145,000
Regulatory Requirements Projects	$219,250
Cyber Security & Small Projects	$160,500
Total Professional & Consulting Service Projects	**$4,261,586**

Grant Funding	$1,532,962
Advanced Charges Collected	$484,567
Reallocated Funds	$1,762,307

Municipal Customer Charges $481,750

Project Budget — Summary

Category	Total Budget	Customer Charges
Maintenance Projects	$624,650	$624,650
Capital Projects	$8,047,206	$525,950
Equipment & Fixed Assets	$341,050	$146,300
Professional & Consulting Services	$4,261,586	$481,750
TOTAL PROJECT BUDGET	**$13,274,492**	**$1,778,650**

How the $13.3M Budget is Funded

Customer Charges

$1,778,650

13.4% of total budget · Funded by Muni Customers

Advance Charges Collected

$2,342,567

17.6% of total budget · Collected in prior years

Grants

$5,838,480

44.0% of total budget · FEMA grant funding

Reallocation

$3,314,795

25.0% of total budget

Reallocation from prior advanced charges

Total Project Budget: $13,274,492 · Customer Charges to Muni's: $1,778,650

Ruth Lake · Trinity County, California

Section 6 of 6

Summary & Closing

10-Year Comparison · Complete Budget Overview · Questions

FY27 Budget— At a Glance $20,760,695

Service & Supply w/Power (PF3)
$2,521,550

Municipal Customer Charges: $2,521,550

Salaries & Wages
$3,794,593

Municipal Customer Charges: $3,794,593

Benefits
$2,287,723

Municipal Customer Charges: $2,287,723

Project Budget
$13,274,492

$5.8M Grant Funding, $2.3M Advanced Charges, $3.3M Reallocation

Municipal Customer Charges: $1,778,650

Charges for Capital Financing (Price Factor 1)
$547,337

Municipal Customer Charges: $547,337

Charges for Reserves (Price Factor 4)
$350,000

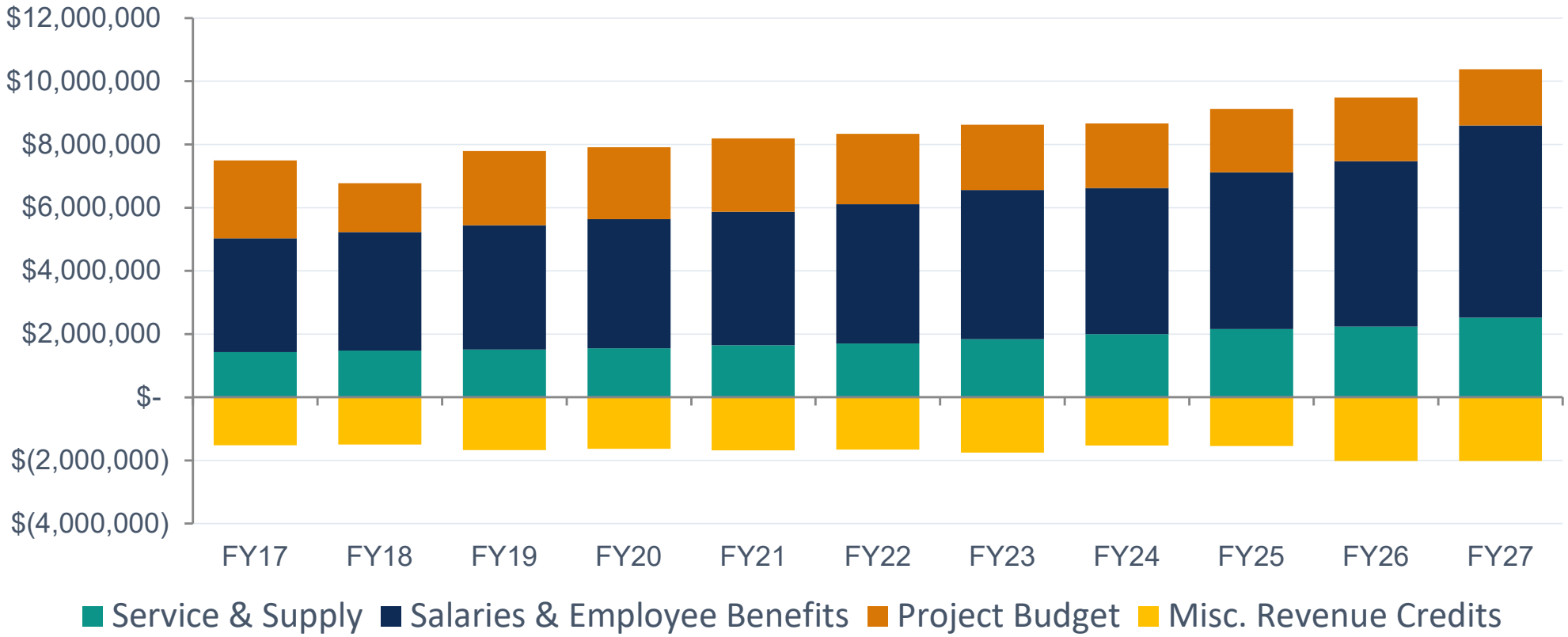
Municipal Customer Charges: $350,000

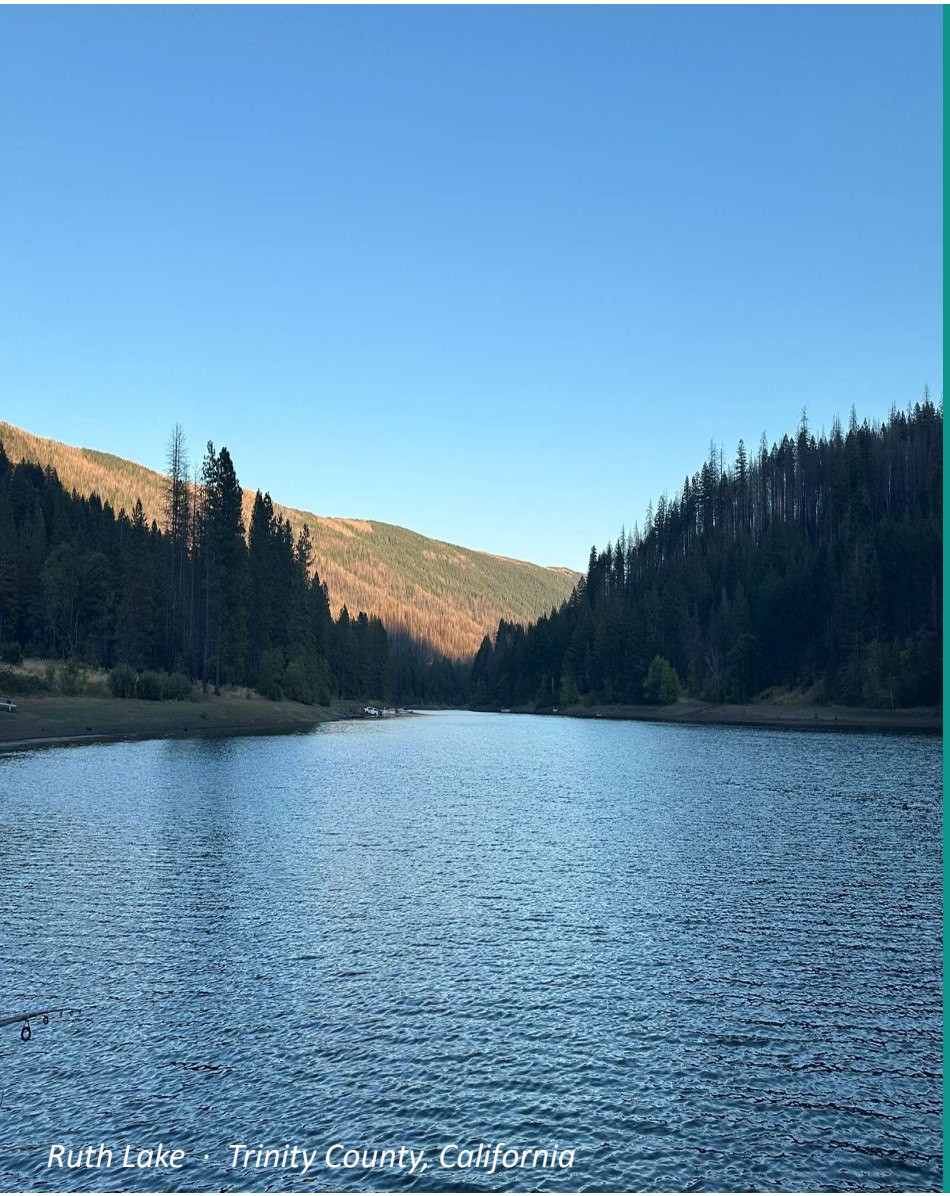
Less: Other Revenue Credits (Property Taxes Revenue, Hydro Power Revenue, Interest) **< $2,015,000 >**

TOTAL MUNICIPAL CUSTOMER CHARGES $9,264,853

10-Year Comparison — Budget Components

Service & Supply · Salaries & Wages · Employee Benefits · Project Budget





Ruth Lake · Trinity County, California

Questions & Discussion

Next Steps

Between Meetings

Additional Board discussion as needed— staff available for follow-up

June 11, 2026

Consideration and adoption of the FY27 Budget

Chris Harris · Director of Finance & Human Resources
Humboldt Bay Municipal Water District

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2026

ITEM NO. 5.7

ITEM: Consider Approval of Amended and Restated General Manager Employment Agreement

PRESENTED BY: Ryan Plotz

TYPE of ITEM: ACTION

TYPE of ACTION: General Vote

Recommendation

Approve the Amended and Restated General Manager Employment Agreement between the Humboldt Bay Municipal Water District and General Manager Michiko Mares and authorize the Board President to execute the Agreement on behalf of the District.

Discussion

The On November 20, 2024, the District entered into an Employment Agreement with Ms. Mares, effective January 1, 2025. The parties subsequently entered into a First Amendment to the Employment Agreement on July 10, 2025, adjusting compensation effective July 1, 2025.

Following closed-session labor negotiations conducted pursuant to Government Code section 54957.6, the parties have negotiated an Amended and Restated General Manager Employment Agreement. The Agreement consolidates the prior Employment Agreement and Amendment into a single document and updates various compensation, benefit, leave, severance, and administrative provisions while maintaining the existing contract term ending December 31, 2029.

Summary of Changes

The principal changes include:

- A five percent (5%) equity adjustment to base salary effective July 1, 2026;
- Annual cost-of-living adjustments consistent with those approved by the Board for District employees generally;
- Discretionary merit-based compensation adjustments following annual performance evaluations;
- An increase in annual management leave from five (5) days to fourteen (14) days;
- An increase in annual vacation accrual from twenty (20) days to twenty-five (25) days;
- Clarification of severance, cause, constructive termination, evaluation, indemnification, and related employment provisions;

- Express provisions regarding professional association dues, maintenance of professional licensure, and executive employment matters.

During preparation of the final agreement, it was determined that District practice has historically allowed unused management leave to convert to vacation leave at year end. Accordingly, the final agreement reflects that existing District practice and provides that unused management leave automatically converts to vacation leave at the end of each calendar year, subject to the generally applicable District vacation accrual cap. This revision is intended to align the Agreement with existing District administrative practice and does not create a new category of leave benefit.

Alternative

N/A

Fiscal Analysis

The fiscal impacts associated with the compensation and benefit modifications were previously discussed during labor negotiations and are reflected in the District's budget planning assumptions.

Environmental Requirements

Approval of the Agreement is not a project subject to CEQA.

Exhibits/Attachments

Attachment 1 – General Manager Employment Agreement

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

AMENDED AND RESTATED GENERAL MANAGER EMPLOYMENT AGREEMENT

THIS AMENDED AND RESTATED GENERAL MANAGER EMPLOYMENT AGREEMENT ("Agreement") is entered into by and between the Humboldt Bay Municipal Water District, a California municipal water district ("District"), and Michiko Mares ("Manager"), effective as of June __, 2026 ("Effective Date"). District and Manager may be referred to individually as a "Party" and collectively as the "Parties."

This Agreement is entered into with reference to the following facts:

A. District and Manager entered into an Employment Agreement dated November 20, 2024, under which Manager began serving as District General Manager effective January 1, 2025, with a term continuing through December 31, 2029, unless earlier terminated in accordance with that agreement.

B. District and Manager entered into an Amendment to Employment Agreement dated July 10, 2025, which adjusted Manager's annual base salary effective July 1, 2025, with all other terms remaining in effect.

C. District and Manager desire to amend and restate the employment agreement in a single integrated document to clarify compensation, benefits, performance evaluation procedures, severance, and related terms, without extending the existing term of employment.

D. As of the Effective Date, this Agreement supersedes and replaces the November 20, 2024, Employment Agreement and the July 10, 2025, Amendment, except as expressly provided otherwise herein.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the Parties agree as follows:

SECTION 1. APPOINTMENT; AT-WILL STATUS; DUTIES

A. **Appointment.** District employs Manager as General Manager of the District, and Manager accepts such employment, subject to the terms and conditions of this Agreement.

B. **At-Will Status; No Property Interest.** Manager serves at the pleasure of the Board of Directors ("Board") and may be terminated by the Board at any time, with or without cause, subject only to the procedural, severance, and other express limitations set forth in this Agreement and applicable law. Nothing in this Agreement creates tenure, a constitutionally protected property interest, or any right to continued employment.

C. **Duties.** Manager shall perform the duties of the office of General Manager as established by applicable law, District policies, Board-adopted job descriptions, Board direction, and this Agreement. Manager shall faithfully, diligently, and to the best of her ability perform all duties required of the General Manager.

D. **Full-Time Commitment.** Manager shall devote her full professional time, attention, skill, and best efforts to District business. Manager shall not engage in outside employment, consulting, or other compensated activities that conflict with, interfere with, or are incompatible with her duties to the District, unless approved in advance by the Board.

E. **Conflict of Interest; Duty of Loyalty.** Manager shall comply with all applicable conflict-of-interest, ethics, financial disclosure, and public agency laws and policies. Manager shall not engage in any activity or financial interest that is incompatible with, or creates an actual or potential conflict with, Manager's duties to the District.

F. **Board Policy and Direction.** Manager shall implement and enforce duly adopted Board policies and lawful Board direction. Nothing in this Agreement limits the Board's authority to set District policy or Manager's obligation to implement such policy. Manager may provide professional advice and recommendations to the Board before policy decisions are made, but shall faithfully implement final Board policy decisions once adopted.

G. **Board-Manager Relationship.** Except for the purpose of inquiry, Board members should direct requests for staff work and District operations through Manager or Manager's designee, consistent with applicable District policies and the Board's role as governing body. This provision does not limit the Board's legal authority, access to information, or ability to evaluate or direct Manager.

SECTION 2. TERM

A. **Term.** The term of this Agreement continues through December 31, 2029, unless terminated earlier in accordance with this Agreement. This Agreement does not extend the term established by the original Employment Agreement.

B. **Renewal Discussion.** The Parties shall meet no later than one hundred eighty (180) days before expiration of the term to discuss potential renewal or extension. This provision creates only a procedural obligation to meet and confer; it does not create any right, expectation, or entitlement to renewal or extension, and failure to meet shall not automatically extend the Agreement.

C. **No Automatic Renewal.** This Agreement shall not renew automatically. Any extension or renewal must be approved by the Board at a duly noticed open and public meeting and signed by both Parties.

SECTION 3. COMPENSATION

A. **Base Salary; July 1, 2026, Adjustment.** Manager's annual base salary immediately before July 1, 2026, is $217,000. Effective July 1, 2026, Manager's annual base salary shall first be increased by a five percent (5%) merit adjustment to $227,850. Effective the same date, Manager's base salary shall then be increased by the annual cost-of-living adjustment ("COLA") approved by the Board for District employees generally for fiscal year 2026-2027. The resulting annual base salary shall be payable in substantially equal installments

in accordance with District payroll practices and shall be reflected on the District's publicly available salary schedule as required by law.

B. **Annual Cost-of-Living Adjustments.** Effective July 1 of each subsequent fiscal year during the term of this Agreement, Manager's annual base salary shall be increased by the annual COLA approved by the Board for District employees generally for the applicable fiscal year. The annual COLA shall be automatic to the same extent such COLA is approved by the Board for District employees generally. In no event shall a COLA reduce Manager's base salary.

C. **COLA Methodology and Board Discretion.** In determining the annual COLA for District employees generally, the Board may consider the Eureka Consumer Price Index published by California State Polytechnic University, Humboldt, the BLS West Region Size Class B/C Consumer Price Index, peer agency COLAs, fiscal impacts, salary schedule adjustments, and any other factors the Board deems relevant. This Agreement does not create a separate COLA formula for Manager and does not limit the Board's discretion to determine the COLA rate applicable to District employees generally.

D. **Discretionary Merit Adjustment.** Following Manager's annual performance evaluation, the Board may, in its sole discretion, grant Manager an additional merit-based salary increase. Any such merit adjustment is discretionary, is not automatic, and shall be based on Manager's performance, accomplishment of Board goals and objectives, District financial considerations, and any other factors the Board deems relevant. Any ongoing salary adjustment shall be approved in open session and reflected on the District's publicly available salary schedule as required by law.

E. **Payroll Withholding.** All compensation paid under this Agreement shall be subject to applicable federal and state payroll taxes, withholdings, deductions, and reporting requirements.

SECTION 4. PERFORMANCE EVALUATION

A. **Annual Evaluation.** The Board shall review and evaluate Manager's performance at least annually, with the goal of completing the annual written evaluation on or before the regular Board meeting in April of each year, unless the Board and Manager agree to another schedule.

B. **Goals and Criteria.** The evaluation shall be based on written goals, performance objectives, and criteria developed by the Board in consultation with Manager. The goals and criteria may be revised from time to time by the Board in consultation with Manager.

C. **Written Summary and Discussion.** The Board shall provide Manager with a written summary of the evaluation and an opportunity to discuss the evaluation with the Board in closed session to the extent permitted by law.

D. **Board Delay.** A delay in completing the evaluation through no fault of Manager shall not preclude the Board, in its discretion, from making any approved salary adjustment retroactive to an appropriate effective date.

E. **Interim Evaluations.** The Board may conduct interim evaluations or goal-setting discussions at any time in its discretion.

SECTION 5. BENEFITS; RETIREMENT; DEFERRED COMPENSATION

A. **General Benefits.** Except as otherwise provided in this Agreement, Manager shall receive the same health, dental, vision, retirement, insurance, holidays, sick leave, floating holiday, and other generally applicable benefits provided to District employees in Manager's classification or to similarly situated exempt management employees, as those benefits may be amended from time to time.

B. **CalPERS.** Manager shall continue to participate in CalPERS on the same terms applicable to District employees in Manager's classification and subject to applicable law, District policy, and CalPERS rules. Nothing in this Agreement shall be construed to require the District to provide any benefit or report any compensation in a manner inconsistent with CalPERS law or regulation.

C. **Deferred Compensation.** To the extent the District provides employer contributions to an Internal Revenue Code section 457 deferred compensation plan for similarly situated District employees, Manager shall receive such contribution on the same terms, subject to applicable plan documents, law, and District policy. Any such contribution shall be immediately vested unless otherwise required by law or the applicable plan documents.

D. **Changes to Benefits.** Except as otherwise expressly provided in this Agreement, generally applicable changes to District benefits, including changes that increase, reduce, or modify benefits for similarly situated employees, shall apply to Manager on the same terms.

E. **Medical Examinations.** District shall pay the cost of any medical examination required by District policy or applicable law as a condition of Manager's service as General Manager, provided such examination is requested or required by the District.

SECTION 6. LEAVE BENEFITS

A. **Management Leave.** Manager shall receive fourteen (14) days of Management Leave per calendar year, credited on January 1 of each year. For calendar year 2026 only, because Manager previously received five (5) days of Management Leave under the prior agreement, Manager shall receive an additional nine (9) days of Management Leave upon the Effective Date of this Agreement, for a total 2026 Management Leave entitlement of fourteen (14) days. Any accrued and unused Management Leave remaining at the end of a calendar year shall automatically convert to vacation leave in accordance with generally applicable District policy, subject to the applicable vacation accrual cap established by District policy.

B. **Vacation Accrual.** Manager shall accrue vacation leave at the rate of twenty-five (25) days per year, subject to the District's generally applicable vacation accrual cap for District employees pursuant to District policy.

C. **Vacation Cash-Out and Payout.** Vacation cash-outs and payout of accrued unused vacation at separation shall be governed by generally applicable District policies, as they may be amended from time to time.

D. **Floating Holidays and Sick Leave.** Floating holiday and sick leave benefits shall be governed by generally applicable District policy. Sick leave shall not be cashed out or paid at separation except to the extent required by generally applicable District policy or applicable law.

E. **Use of Leave.** Manager is encouraged to use accrued leave in a manner consistent with the needs of the District, the executive nature of the position, and the Board's interest in maintaining sustainable workload practices.

SECTION 7. PROFESSIONAL DEVELOPMENT; DUES; LICENSING; EXPENSES

A. **Professional Association Dues.** District shall pay or reimburse Manager for reasonable annual professional association dues related to Manager's service as General Manager, including associations such as ACWA, CSDA, AWWA, or similar organizations, subject to District reimbursement procedures and budget authority.

B. **Professional Engineer License.** District shall pay or reimburse the cost of maintaining Manager's California Professional Engineer license and related certifications reasonably necessary or useful to Manager's service as General Manager.

C. **Professional Development and Training.** Professional development, conferences, training, travel, lodging, meals, and related expenses shall be addressed through the District's annual budget process and generally applicable expense reimbursement policies.

D. **Business Expenses.** District shall pay or reimburse Manager for reasonable and necessary District business expenses incurred in the performance of Manager's duties, subject to District policies, budget authority, documentation requirements, and applicable law.

E. **Equipment and Communications.** District shall provide or reimburse reasonable office, technology, communications, and related equipment or services necessary for Manager to perform the duties of General Manager, subject to District policy and budget authority. District-provided equipment shall remain District property.

SECTION 8. TERMINATION; RESIGNATION; SEVERANCE

A. **Resignation.** Manager may resign at any time by providing at least sixty (60) days' written notice to the Board President, unless the Board accepts a shorter notice period. District may place Manager on paid administrative leave during all or part of the notice period.

B. **Termination Without Cause.** The Board may terminate Manager without cause at any time by majority vote, subject to the severance provisions of this Agreement and applicable law.

C. **Termination For Cause.** The Board may terminate Manager for cause at any time. If Manager is terminated for cause, Manager shall not be entitled to severance or benefit continuation under this Agreement.

D. **Cause Defined.** For purposes of this Agreement, "cause" means any of the following:

1. Conviction of, plea of guilty or nolo contendere to, or final judicial determination of a felony or any crime involving moral turpitude, dishonesty, fraud, abuse of office, or misuse of public funds or property;

2. Willful or material breach of this Agreement;

3. Gross negligence, willful misconduct, habitual neglect of duties, or reckless conduct resulting in material harm to the District;

4. Fraud, dishonesty, misrepresentation, misappropriation, or material misuse of District funds, property, resources, or authority;

5. Willful violation of applicable law or a duly adopted District policy of a serious nature, including but not limited to policies concerning harassment, discrimination, retaliation, workplace violence, conflicts of interest, ethics, or financial controls;

6. Conduct that disqualifies Manager from holding public office or performing the essential duties of General Manager under applicable law;

7. Loss, suspension, or revocation of a license or certification legally required for Manager to perform the essential duties of the position, if such loss, suspension, or revocation is caused by Manager's misconduct or failure to maintain required qualifications; or

8. Willful refusal or failure to implement lawful Board direction or duly adopted Board policy, unless Manager reasonably and in good faith believes implementation would violate law or create a clear and substantial threat to public health or safety, and, before refusing or failing to implement such direction or policy, promptly notifies District Counsel in writing of the basis for that belief, unless emergency circumstances make prior written notice impracticable.

E. **Policy Advice and Professional Judgment.** Manager's good-faith expression of professional advice, recommendations, concerns, or disagreement during the Board's policy deliberations shall not, by itself, constitute cause, provided Manager implements and enforces final lawful Board policy and direction once adopted.

F. Pre-Termination Notice and Opportunity to Respond. Before terminating Manager for Cause, the Board shall provide Manager with written notice of the proposed grounds for termination. The notice shall identify the alleged basis for Cause with reasonable specificity and shall be provided at least fourteen (14) calendar days before the Board takes final action, unless the Board determines that immediate action is necessary to protect the District, District property, District operations, or the public.

Manager shall have an opportunity to submit a written response and to respond orally to the Board before final action is taken. The response may occur in closed session to the extent permitted by Government Code section 54957, unless Manager timely requests that the matter be heard in open session where such right is provided by law. If the proposed grounds involve specific complaints or charges brought against Manager by another person or employee, the District shall provide any notice required by Government Code section 54957(b)(2).

The Board may place Manager on paid administrative leave pending consideration of the proposed for-cause termination. Paid administrative leave shall not constitute discipline, termination, or constructive termination.

After considering the information presented, the Board may determine, in its sole judgment, whether Cause exists and whether termination is appropriate. The Board's decision shall be final and shall constitute the District's final administrative decision. No further administrative appeal, grievance, hearing, or review shall be available under this Agreement or District policy unless expressly required by applicable law.

This subsection is contractual only. It does not create a property interest in continued employment, alter Manager's at-will status, or limit the Board's authority to terminate Manager with or without Cause, subject only to the severance provisions of this Agreement and applicable law.

G. Constructive Termination. A Constructive Termination shall be treated as a termination by the District without Cause for purposes of Manager's eligibility for severance benefits under this Agreement, provided that Manager complies with the notice, cure, and resignation requirements set forth in this subsection.

For purposes of this Agreement, "Constructive Termination" means the occurrence, without Manager's written consent, of one of the following actions by the District:

1. A material and continuing reduction in Manager's base salary, other than a reduction applied in substantially the same manner to District exempt management employees or District employees generally;
2. A material and continuing reduction in Manager's employment benefits that is materially disproportionate to reductions applied to District exempt management employees or District employees generally;

3. A substantial and continuing removal of Manager's core executive authority as General Manager such that Manager no longer retains the essential duties, authority, and responsibility customarily associated with the position of General Manager of the District; or

4. Relocation of Manager's principal District work location more than thirty (30) miles from the District's current principal administrative office in Eureka, California, without Manager's written consent.

Manager may not claim Constructive Termination unless Manager first provides written notice to the Board identifying the alleged condition with reasonable specificity within thirty (30) calendar days after Manager knows, or reasonably should know, of the alleged condition. The District shall have thirty (30) calendar days after receipt of the notice to cure the alleged condition. If the District cures the condition within that period, no Constructive Termination shall be deemed to have occurred.

If the District does not cure the condition within the cure period, Manager must resign within thirty (30) calendar days after expiration of the cure period in order for the resignation to be treated as a termination without Cause for purposes of severance. If Manager does not timely resign, the alleged condition shall be deemed waived for purposes of this subsection.

For avoidance of doubt, Constructive Termination does not include Board direction, supervision, evaluation, criticism, or modification of priorities; changes in Board policy; assignment or reassignment of particular projects or initiatives; changes in reporting expectations; temporary paid administrative leave; lawful investigations; organizational, staffing, budgetary, or operational changes made in good faith; or changes affecting Manager in substantially the same manner as other District exempt management employees or District employees generally, unless such action results in a substantial and continuing removal of Manager's core executive authority as described above.

H. Severance Amount. If Manager is terminated without cause or in the event of a Constructive Termination in accordance with Subsection G, above, and provided Manager executes and does not revoke a general release of claims in a form acceptable to the District, District shall provide severance in an amount equal to Manager's then-current base salary for the applicable severance period. The applicable severance period shall be six (6) months, plus two (2) additional months for each completed fiscal year of Manager's service after June 30, 2027, up to a maximum severance period of twelve (12) months. Notwithstanding the preceding sentence, in no event shall the severance payment exceed the ***lesser*** of: (i) Manager's monthly base salary multiplied by the applicable severance period; (ii) Manager's monthly base salary multiplied by the number of months remaining in the unexpired term of this Agreement; or (iii) the maximum amount permitted by Government Code sections 53260 through 53264.

The District may elect, in its sole discretion, to pay the severance amount either: (i) in a lump sum; or (ii) in substantially equal monthly installments over the applicable severance period. Any lump-sum payment shall be made within thirty (30) days after Manager's release of claims becomes effective and irrevocable. If the District elects installment payments, the first installment shall be paid on the first regular payroll date after Manager's release becomes effective and irrevocable, and remaining installments shall be paid in substantially equal monthly installments over the applicable severance period. All severance payments shall be subject to applicable payroll taxes, withholdings, deductions, and reporting requirements.

I. **Benefit Continuation.** If Manager is eligible for severance under this Agreement and timely elects continuation coverage, District shall pay or reimburse the District-paid portion of Manager's COBRA-eligible health, dental, and vision coverage, capped at the premium cost of the District's Family Classic PPO plan or any successor comparable plan, for the same period as the severance period determined under subsection H, subject to applicable law and plan requirements. District's obligation to provide benefit continuation shall end earlier if Manager becomes eligible for comparable group coverage through other employment or if continuation coverage is no longer available under applicable law.

J. **Release Required.** No severance or benefit continuation shall be owed unless Manager executes a general release of claims, covenant not to sue, and related separation documents in a form acceptable to the District, and the release becomes effective and irrevocable. The release shall include any waiting and revocation periods required by applicable law. Severance and benefit continuation provided under this Agreement are intended to constitute the full and exclusive compensation payable to Manager in connection with a termination without Cause or Constructive Termination, other than accrued wages and leave required by law or District policy.

K. **Accrued Wages and Leave.** Upon separation from employment for any reason, District shall pay Manager all earned wages and accrued leave required to be paid under applicable law and generally applicable District policy. Such payments are not severance and shall not be conditioned on execution of a release.

L. **Death or Disability.** This Agreement shall terminate upon Manager's death. District may terminate this Agreement if Manager is unable to perform the essential functions of the General Manager position, with or without reasonable accommodation, following exhaustion of leave and accommodation rights required by applicable law. Termination due to death or disability shall not constitute termination without cause for purposes of severance, unless required by applicable law.

M. **Paid Administrative Leave.** The Board may place Manager on paid administrative leave at any time, with or without cause, during an investigation, pending a termination decision, during a resignation notice period, or when the Board determines that leave is in the

District's best interests. Paid administrative leave shall not constitute constructive termination.

L. **Tax Treatment.** District makes no representation regarding the tax treatment of any compensation or benefits under this Agreement, and District shall not be responsible for any tax penalties, interest, or additional taxes incurred by Manager.

SECTION 9. INDEMNIFICATION; DEFENSE; BONDING; INSURANCE

A. **Defense and Indemnification.** District shall defend and indemnify Manager to the extent required by the California Government Claims Act, including Government Code sections 825 and 995 et seq., and other applicable law, for acts or omissions occurring within the course and scope of Manager's employment. District shall select defense counsel and shall retain authority to compromise or settle claims as provided by law.

B. **Limitations.** District shall not be obligated to defend or indemnify Manager for acts or omissions outside the course and scope of employment or involving actual fraud, corruption, malice, or other conduct for which defense or indemnification is not required or permitted by law.

C. **Independent Counsel.** If a conflict of interest exists such that independent counsel is legally required, District shall provide independent counsel to the extent required by applicable law.

D. **Insurance.** District shall maintain public officials' errors and omissions or comparable liability insurance covering Manager to the extent such coverage is maintained for other District officials and employees, subject to the terms, conditions, exclusions, and limits of the applicable policy.

E. **Bonding.** District shall pay the cost of any fidelity bond or other bond required for Manager's service as General Manager.

SECTION 10. STATUTORY REIMBURSEMENTS AND PUBLIC AGENCY EXECUTIVE REQUIREMENTS

A. **Government Code Sections 53243-53243.4.** If Manager is convicted of a crime involving an abuse of office or position, as those terms are used in Government Code sections 53243 through 53243.4, Manager shall reimburse District for any paid administrative leave, criminal legal defense, or cash settlement as required by those statutes, as amended.

B. **Government Code Sections 53260-53264.** Any severance or cash settlement provided under this Agreement shall be subject to the limitations of Government Code sections 53260 through 53264, as amended. To the extent any provision of this Agreement conflicts with those statutory limits, the statutory limits shall control.

C. **Open Session Approval.** Any final action approving this Agreement or any amendment to this Agreement shall be taken at a duly noticed open and public meeting in accordance

with applicable law, including any oral summary required by Government Code section 54953(c)(3).

D. **Public Records and Transparency.** The Parties acknowledge that this Agreement and records relating to compensation of a local agency executive may be subject to disclosure under the California Public Records Act and other applicable laws.

SECTION 11. NOTICES

Any notice required under this Agreement shall be in writing and shall be delivered personally, sent by certified mail, return receipt requested, or sent by recognized overnight delivery service to the addresses below, or to such other address as either Party may designate in writing:

DISTRICT:

Humboldt Bay Municipal Water District
Attn: President, Board of Directors
PO Box 95
Eureka, CA, 95502-0095

MANAGER:

Michiko Mares
Address on file with District

Notice shall be deemed given upon personal delivery, upon delivery by overnight service, or three (3) business days after deposit in the United States mail, postage prepaid.

SECTION 12. MISCELLANEOUS

A. **Entire Agreement.** This Agreement constitutes the entire agreement between the Parties concerning Manager's employment as General Manager and supersedes all prior agreements, amendments, negotiations, representations, and understandings concerning the same subject matter.

B. **Amendment.** This Agreement may be amended only by a written amendment approved by the Board at a duly noticed open and public meeting and signed by both Parties. No oral statement, past practice, or administrative action shall amend this Agreement.

C. **Governing Law and Venue.** This Agreement shall be governed by the laws of the State of California. Venue for any dispute arising out of this Agreement shall be in Humboldt County, California.

D. **Severability.** If any provision of this Agreement is held invalid, unlawful, or unenforceable, the remaining provisions shall remain in full force and effect unless the invalid provision is material to the Agreement as a whole.

E. **No Waiver.** A Party's failure to insist upon strict compliance with any provision of this Agreement shall not be deemed a waiver of that provision or any other provision. Any waiver must be in writing and signed by the waiving Party.

F. **No Assignment.** Manager may not assign this Agreement or any rights under it.

G. **Successors.** This Agreement shall be binding upon and inure to the benefit of District and its successors, and Manager and Manager's heirs, executors, administrators, and legal representatives to the extent applicable.

H. **Construction.** The Parties acknowledge that this Agreement is the product of negotiation and that any ambiguity shall not be construed for or against either Party based on authorship.

I. **Representation by Counsel.** The parties acknowledge and agree that they have had the opportunity to be represented by independent legal counsel with respect to this Agreement and are fully advised regarding their respective rights and obligations. The parties further acknowledge that District Counsel, Ryan T. Plotz, has represented exclusively the District, and not Manager individually, in connection with the negotiation, drafting, and approval of this Agreement. Manager acknowledges that she has had the opportunity to consult with independent legal counsel of her choosing before executing this Agreement. This Agreement shall not be construed for or against either party based on which party or counsel drafted any provision.

J. **Counterparts and Electronic Signatures.** This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one instrument. Electronic and scanned signatures shall have the same force and effect as original signatures to the extent permitted by law.

K. **Section Headings.** Section and subsection headings are for convenience only and shall not affect the interpretation of this Agreement.

L. **Attorneys Fees**. Except as otherwise required by law, each Party shall bear its own attorneys' fees and costs in any dispute arising out of this Agreement.

SIGNATURE PAGE FOLLOWS THIS PAGE

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the dates set forth below.

HUMBOLDT BAY MUNICIPAL WATER DISTRICT	**MANAGER**
By: _____	By: _____
Name: Michelle Fuller	Michiko Mares, General Manager
Title: President, Board of Directors	
Date: _____	Date: _____

ATTEST:

_____
Secretary of the Board

APPROVED AS TO FORM:

_____
District Counsel

Memo to: HBMWD Board of Directors
From: Dale Davidsen, Superintendent
Date: June 3, 2026
Subject: Essex/Ruth May 2026 Operational Report

Upper Mad River, Ruth Lake, and Hydro Plant

1. Average flow at Mad River above Ruth Reservoir (Zenia Bridge) in May was 41 cfs.

2. The conditions at Ruth Lake for May were as follows:
   The lake level on May 31st was 2653.28 feet, which is:

   - 0.76 feet lower than April 30th, 2026.
   - 0.24 feet lower than May 30th, 2025.
   - 0.82 feet higher than the ten-year average.
   - 0.2 feet below the spillway.

3. Ruth Headquarters recorded 0.56 inches of rainfall in May.

4. Ruth Hydro generated 247200 kWh in May. We had no outages at Ruth Hydro.

5. The lake discharged an average of 68 CFS with a high of 129 CFS on May 1st.

Lower Mad River, Winzler Control, and TRF

6. The river at Winzler Control Center in May had an average flow of 224 CFS. The river reached a high flow of 463 CFS on May 1st.

7. The domestic water conditions were as follows:

   a. The domestic water turbidity average was 0.08 NTU, which meets Public Health Secondary Standards.
   b. As of May 31st, we pumped 238.433 MG at an average of 7.94 MGD.
   c. The maximum metered daily municipal use was 9.913 MG on May 22nd.

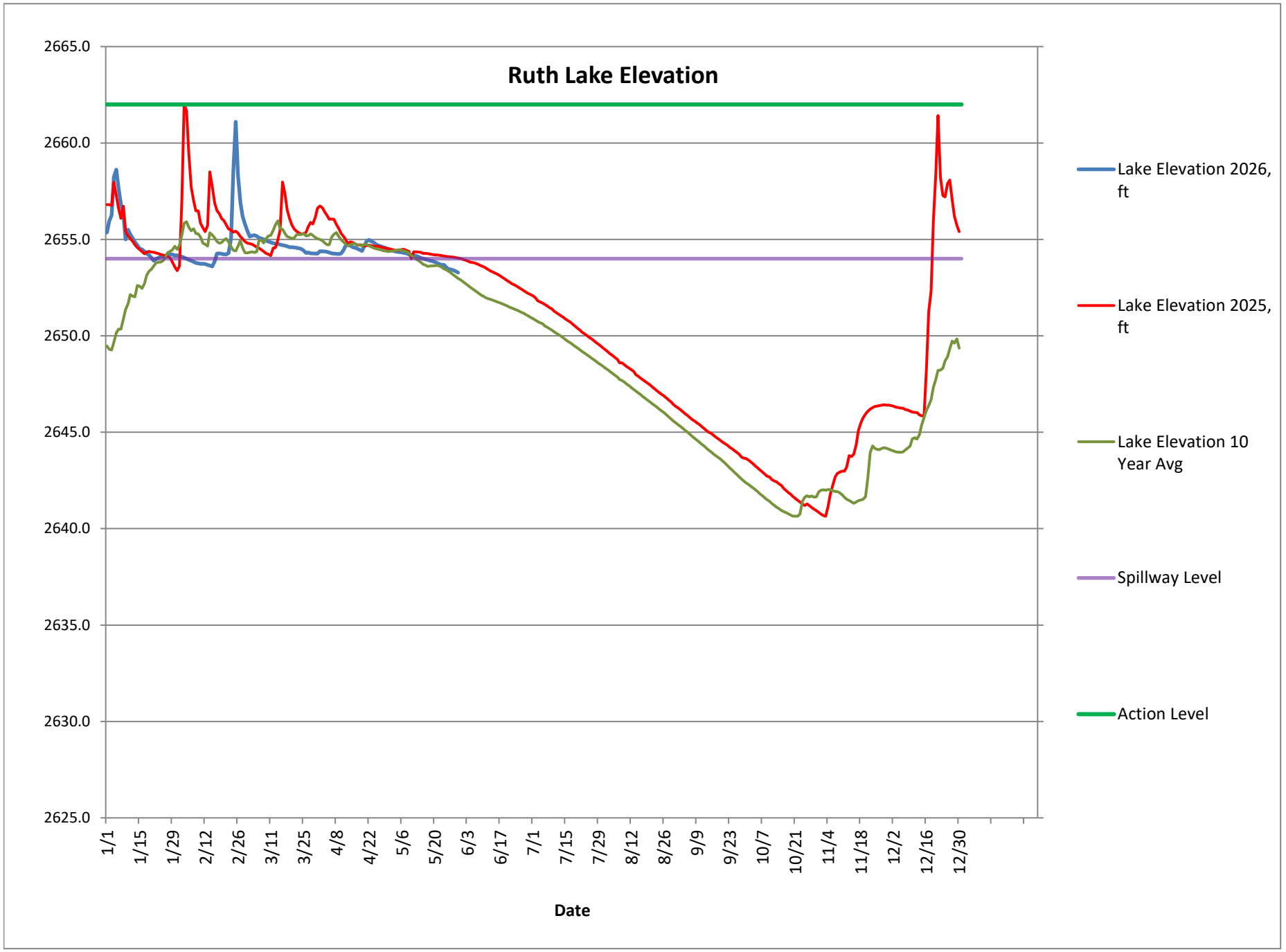
8. The TRF is online:

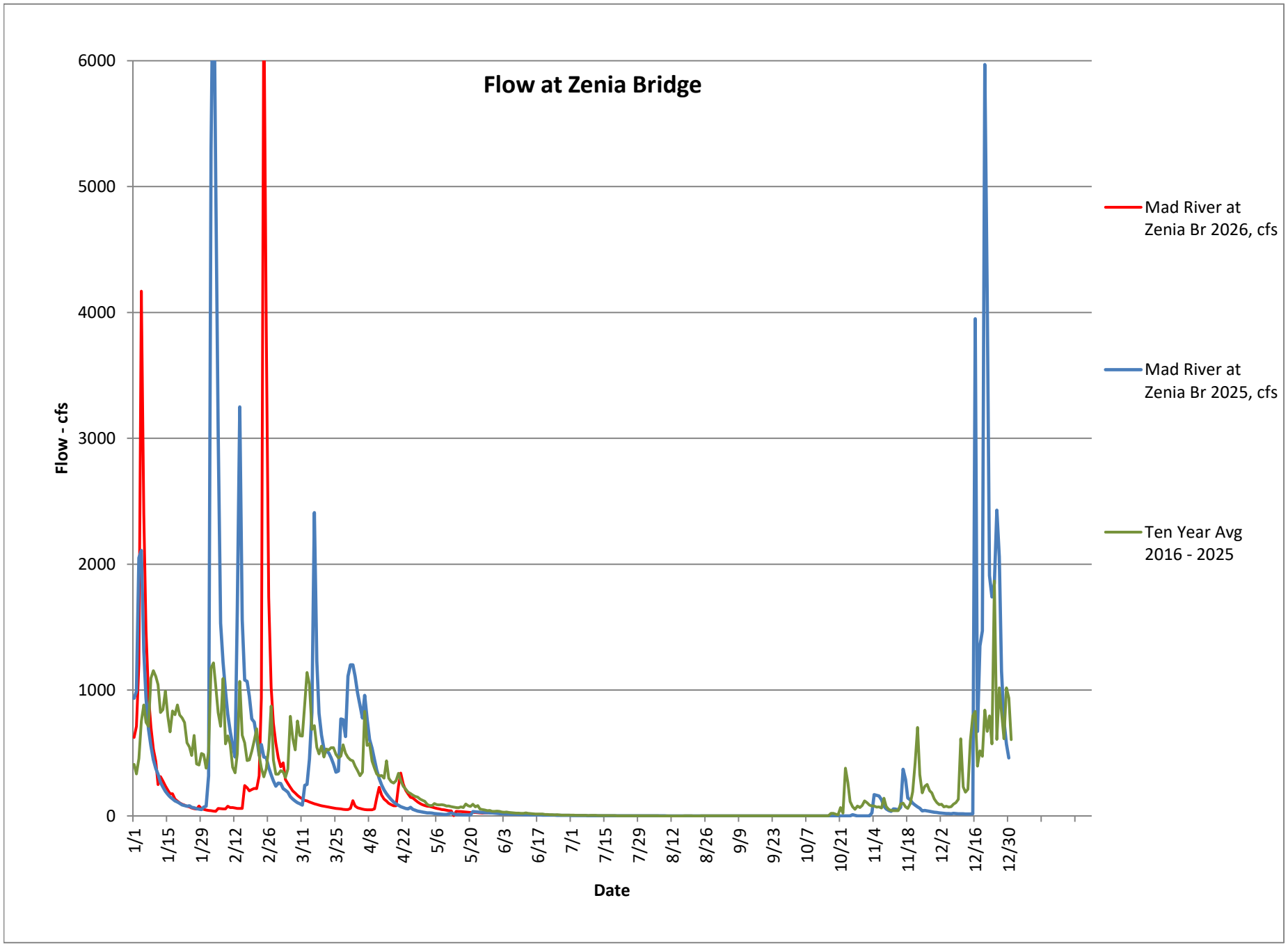
   a. Average monthly source water turbidity was 0.23 NTU.

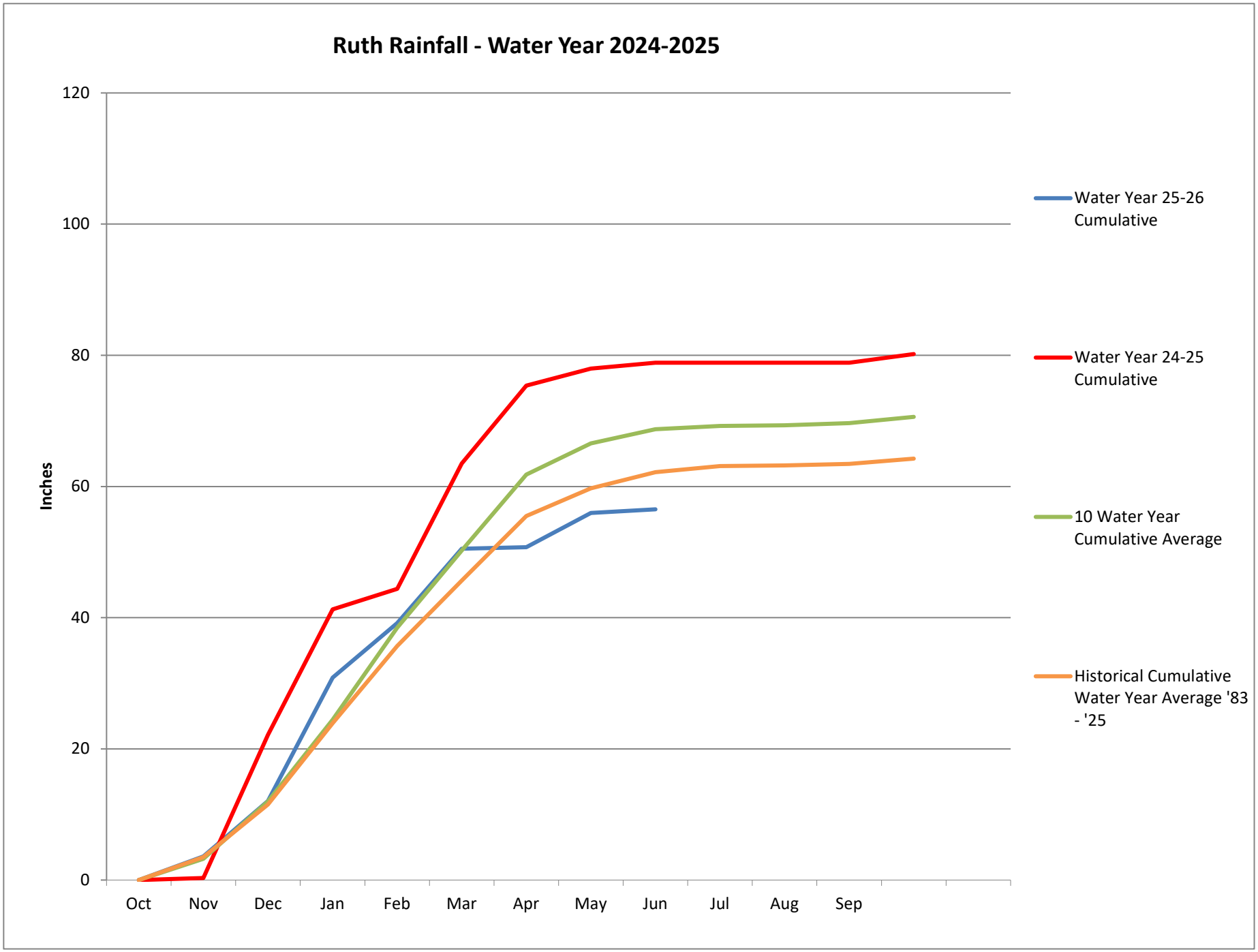
   b. Average monthly filtered water turbidity was 0.06 NTU.
   c. The number of monthly filter backwashes was 26.

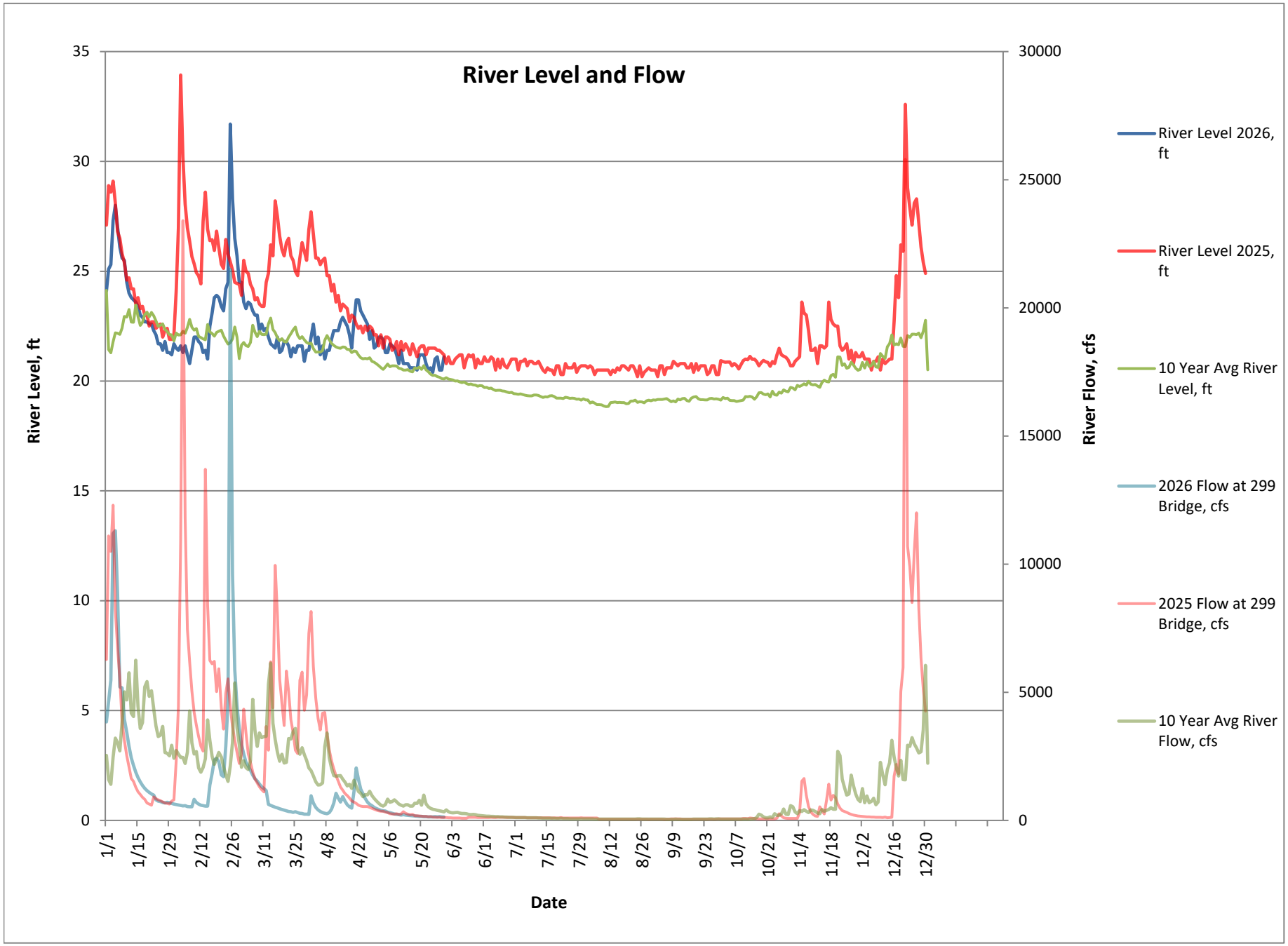
9. May 1st – Leak repair at blowoff on Whittier Lane in Fieldbrook
10. May 4th – Water leak on Glenwood Dr. in Fieldbrook
11. May 5th & 6th – RCEA training in Fortuna. 6 staff from Essex and Ruth staff attended.
12. May 6th – Meeting with MCSD regarding our communications equipment at MCSD tank site and future changes MCSD is making due to new tank installations.
13. May 7th

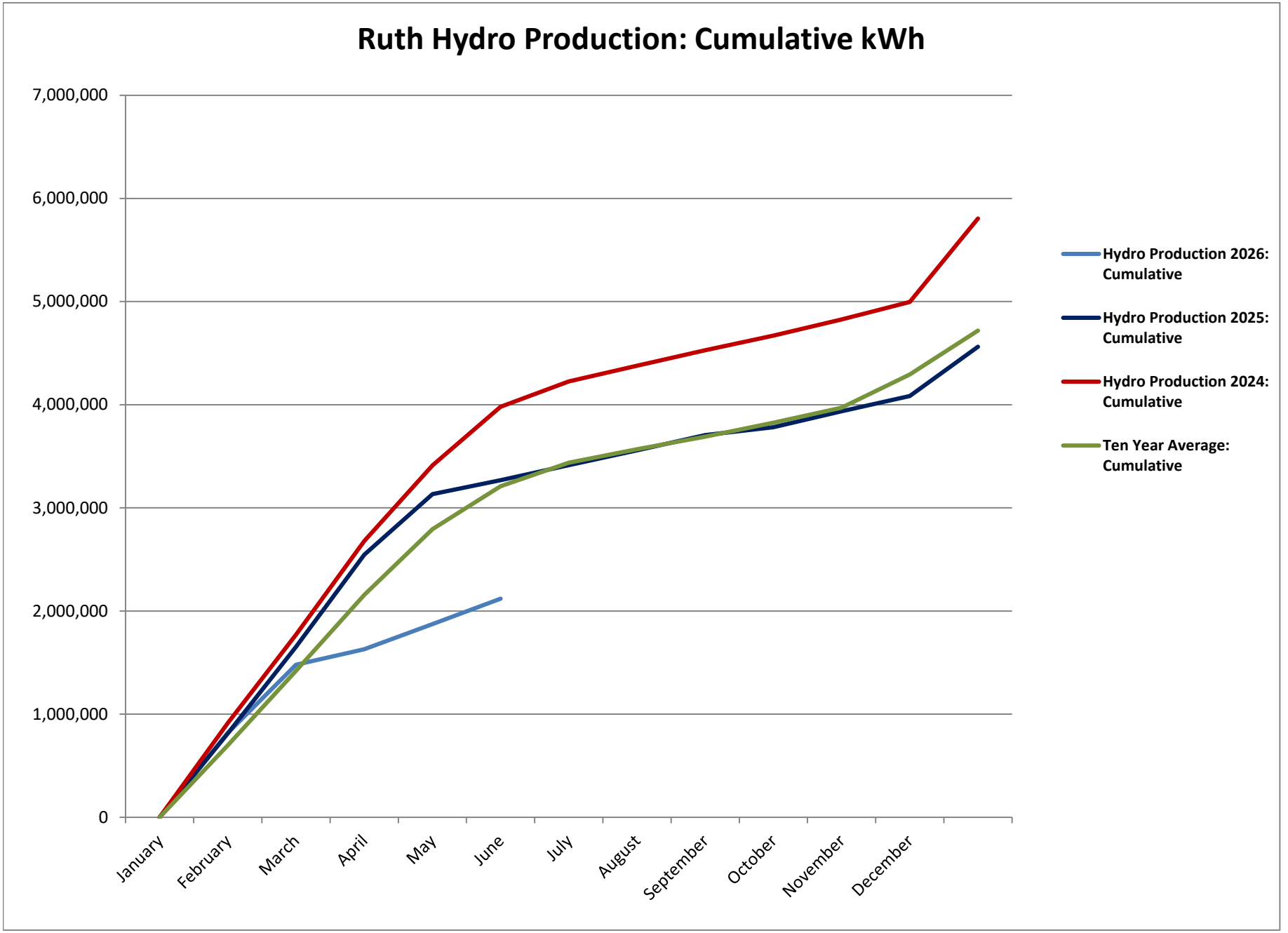
    a. Electrical staff working with Schatz Energy of Tesla generator coordination testing.
    b. Maintenance pulled Manila meter for calibration
14. May 12th – Teams Mtg with Voss Labs regarding Concrete assessment on Collector 4
15. May 14th – Repair guardrail on dam crest
16. May 18th – First Aid/CPR/AED training for 3 Essex staff at NCSC
17. May 22nd – Contacted a few agencies looking for a possible spray contractor for vegetation management at the Dam.
18. May 26th – After Action Review meeting for the Slide gate emergency at Ruth
19. May 27th – Coordination meeting with RLCSD and team for installation of the De-con station at Ruth
20. May 28th – Review and comment on AUS dive plan for Collector 4 work.
21. May 29th – Hazmat refresher training for 5 Essex staff at NCSC
22. Current and Ongoing Projects
    a. I attended several meetings and correspondence with the engineers and contractors on multiple projects.
        i. TRF generator project.
        ii. FB reservoir replacement project. – Altitude valve installed and punch list items complete
        iii. RLCSD De-con station.
        iv. Collector 4 dive and concrete inspection.
    b. Vegetation management in Parks and R-o-W's & Fieldbrook
    c. Work on OSHG building upgrades.
    d. Work on installation of AV equipment in Board Room.
    e. Submitted formal paperwork to HCSO for them to patrol some District R-o-W's for urban campers.
    f. Routine annual equipment maintenance and services.


Ruth Lake Elevation
2665.0
2660.0
2655.0
2650.0
2645.0
2640.0
2635.0
2630.0
2625.0
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Lake Elevation 2026, ft
Lake Elevation 2025, ft
Lake Elevation 10 Year Avg
Spillway Level
Action Level


Flow at Zenia Bridge
Flow - cfs
6000
5000
4000
3000
2000
1000
0
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Mad River at Zenia Br 2026, cfs
Mad River at Zenia Br 2025, cfs
Ten Year Avg 2016 - 2025


Ruth Rainfall - Water Year 2024-2025
Inches
120
100
80
60
40
20
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Water Year 25-26 Cumulative
Water Year 24-25 Cumulative
10 Water Year Cumulative Average
Historical Cumulative Water Year Average '83 - '25


River Level and Flow
River Level, ft
River Flow, cfs
Date
35
30
25
20
15
10
5
0
30000
25000
20000
15000
10000
5000
0
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
River Level 2026, ft
River Level 2025, ft
10 Year Avg River Level, ft
2026 Flow at 299 Bridge, cfs
2025 Flow at 299 Bridge, cfs
10 Year Avg River Flow, cfs


Ruth Hydro Production: Cumulative kWh
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
January
February
March
April
May
June
July
August
September
October
November
December
Hydro Production 2026: Cumulative
Hydro Production 2025: Cumulative
Hydro Production 2024: Cumulative
Ten Year Average: Cumulative

BOARD OF DIRECTORS
Humboldt Bay Municipal Water District
June 11, 2025

ITEM NO. 6.1.b

ITEM: General Manager's Report

PRESENTED BY: Michiko Mares, General Manager

TYPE of ITEM: Informational

TYPE of ACTION: None

The General Manager's Monthly Report is intended to provide informational updates regarding issues which impact the District's Purpose at a management level.

Goal 1- Regulatory Compliance

Workplace Safety. No reportable injuries.

Public Health.

Water Regulations. Maintained perfect compliance with all state and federal drinking water regulations.

Permitting.

Federal Energy Regulatory Commission (FERC). FERC appears to be close to completing their review of the revised Drilling Program Plan for the embankment investigation submitted in May

Division of Safety of Dams (DSOD). DSOD appears to be close to completing their review and providing acceptance of the revised Drilling Program Plan for the embankment investigation submitted in May.

Reporting.

California Department of Water Resources (DWR). Consultant completed the Draft 2025 Urban Water Management Plan. Staff posted the legal notice of the public hearing to discuss the 2025 Urban Water Management Plan in the Times Standard.

Federal Energy Regulatory Commission (FERC). Staff completed and eFiled the annual Dam Safety and Surveillance Monitoring Report (DSSMR) for record year 2025.

State Water Resource Control Board (SWRCB). (1) Staff received Board approval on the Draft Consumer Confidence Reports (CCRs) for HBMWD's and FGCSD's systems for reporting year 2025, (2) distributed the CCRs to retail and wholesale customers, and (3) and certified the

distribution of the CCRs with the Division of Drinking Water.

Infrastructure Reliability.

Dunes Maintenance Right of Way EIR. Staff are working with Consultant to amend contract to include additional area within the project description from Bay Street to Coast Guard Station.

R.W. Matthews Dam Non-Failure Emergency Condition. Staff conducted an After-Action Review meeting with local, state, and federal regulators.

Grant Opportunity — DWR Dam Safety and Climate Resilience (DSCR) Program. Staff attended webinar regarding the California Department of Water Resources grant opportunity under the Dam Safety and Climate Resilience (DSCR) Local Assistance Program, funded by Proposition 4 ($480 million statewide).

Project Prioritization – FY27 Q1. Staff developed an Operations Priority and Resource Planning tracker tool to determine which projects will proceed first in FY27. The highest priority projects include the Collector #4 Inspection, Turbidity Reduction Facility annual maintenance, Part 12D Inspection & Workshops, and the Decontamination Station at Ruth Lake.

Goal 4- Customer, Community, and Governmental Partnerships

Wholesale Customers. Staff are hosting the first annual Headwaters Summit at Ruth Lake for local water leadership on October 2, 2026.

Governmental Partnerships. Staff attended an all-day Introduction to Pathways to Trust: A Learning Journey Towards Equitable Tribal Partnerships hosted by the Blue Lake Rancheria, Alliance for Tribal Clean Energy, Redwood Coast Energy Authority, and Northern Rural Energy Network. This was a comprehensive professional development curriculum designed to prepare organizations to build effective, respectful partnerships with Tribal nations.

Goal 5 – Future Positioning

Environmental Stewardship

Ruth Lake Decontamination Station. The District received approval from CDFW to amend the District's decontamination grant, the District has executed a contract with the decontamination equipment vendor, and delivery is anticipated this summer. The District and Ruth Lake CSD are moving forward with site improvements to support the equipment installation.

Mad River Watershed Resilience Coalition — Proposition 4 Grant Opportunity. Staff have continued conversations with regional leaders to pre-position for a significant grant opportunity under the DWR Watershed Resilience Program, funded through Proposition 4, with approximately $152 million available statewide for watershed-scale climate resilience planning and implementation.

Instream Flow Dedication — Water Code §1707 Petition for Change Status. The District's §1707 Petition for Change on Permits 11714 and 11715, proposing dedication of Mad River instream flows for fish and wildlife preservation, remains under active review by the State Water Resources Control Board. The District and the regulatory protestant parties requested an extension of time through May 20, 2027, with an update on protest negotiations by December 15, 2026. The next meeting with protestants is scheduled at the end of June to discuss an operational test this Fall to release from storage a storm pulse to mimic watershed runoff.

Capital Improvement Plan

Contract Status Report. Refer to Attachment 1, Contract Status Report, for a detailed summary of current contracts.

EcoGreen Solutions Team. EcoGreen Solutions submitted the VFD design for the District's vertical turbine pumps to PGE for approval.

Organizational and Professional Development

Recruitments. Recruitments for the Deputy Director of Operations and the Maintenance Supervisor were completed.

Performance Plans for Management, Supervisors, and Key Staff. Development of performance plans for management, supervisors, and key staff are under development to be aligned with General Manager performance plan. A tracker tool will be utilized to track the General Manager's performance and reported to the Board at the mid-year formal review and the annual performance evaluation. The performance plans will be aligned with core operational responsibilities (water service delivery, system operations and preventative maintenance, workforce and human resources management, financial management, Board support and governance operations, wholesale customer and stakeholder relations) and the FY27 Strategic Plan (infrastructure and assets, watershed and environmental stewardship, regulatory compliance, water supply and reliability, governance and organization, regional relationships).

Board Communication. Staff recently implemented a new text messaging system for Board of Director notifications. The system will be used for reminders, scheduling updates, and other

administrative notifications. Staff conducted a test message prior to confirm functionality and ensure individual Board members are receiving notifications properly in compliance with the Brown Act.

Professional Organizations. The District hosted the regional CSDA membership meeting on May 4, 2026.

Attachments

Attachment 1- Contract Status Report

Active Large Contract Progress Report

Project Description	Progress / Status Update	Funding Source / Budget	Active Contracts and Financial Status[1]	Schedule Tracking
Samoa Peninsula Waterline Right-of-Way Maintenance EIR and CDP Studies, EIR, and Permit applications for maintaining District infrastructure on the peninsula. Permit applications include:CDP, Section 404 (not required), 401, CESA, ESA Phase: EIR in progress	New sites are being added to the Draft Environmental Impact Report (DEIR) where vegetation maintenance will occur. This will require updating text and figures. Additionally, for permitting, biological and wetland surveys will be required.	HBMWD FY 25/26 Budget (100%): $40,295	Consulting (GHD) Original Contract Amount: $337,050 Amendments to Date: $108,725 Amendments Percent Increase/Decrease: 32% Current Contract Amount: $445,775 Total Invoiced to Date: $391,730 Percent Invoiced to Date: 88%	Contract Award Date: 1/20/2023 Amendment 3 Date: 5/6/2025 Current Contract Completion: 12/31/2026 Draft EIR Estimated Completion: TBD Public Meeting: TBD Permit App Estimated Submission: 7/3/2026 Percent Schedule Elapsed: 85%
Collector Mainline Redundancy DR4407-PJ0701 The District's source water from the collectors comes together in one common pipeline that conveys water to the TRF via Pipeline Road. This project will analyze a redundant pipeline to the TRF via an alternate route. This project will also re-route the pipe that currently runs under the Essex Control Building. Phase: Project withdrawn from grant.	Grant close out documents submitted to Cal OES and FEMA.	HMGP Phase One Grant (Current) Cal OES / FEMA (75% Current Share): $339,255 HBMWD (25% Current Match): $113,085 **Total Current Project Budget: $452,340** HMGP Phase One Grant Total Request (Response Pending) Cal OES / FEMA (75% Requested Share): $1,040,085 HBMWD (25% Proposed Match): $346,695 **Total Requested Project Budget: $1,386,780**	Phase One Consulting (GEI) Original Contract Amount: $422,103 Amendments to Date: $0 Amendments Percent Increase/Decrease: 0% Current Contract Amount: $422,103 Total Invoiced to Date: $166,568 Percent Invoiced to Date: 39% Anticipated Contract Amount (if SOW revision approved): $1,346,590	Contract Award Date: 3/9/2023 Original Contract Completion: 3/1/2024 Extended Calendar Days: 0 Current Contract Completion: 3/1/2024 Estimated Completion: N/A Percent Schedule Elapsed: N/A Grant SOW Completion: 7/7/2026 Grant Period of Performance: 12/4/2026
Matthews Dam Seismic Stability DR4569-PA0538 Geotechnical and seismic studies to determine the response of Matthews Dam to the Cascadia seismic event and whether retrofits are required. Also includes 65% design and CEQA if retrofits are required. Phase: Studies being performed	Budget increase request sent to Cal OES in April 2025, response pending. Time extension request sent to Cal OES to modify the grant completion date to 4/14/2028. Project status: : Drilling is on hold until after the Northern Spotted Owl (NSO) nesting season concludes after 7/9/2026. Progress over the last month: Drilling Program Plan (DPP) submitted to FERC and DSOD. DSOD appears to be close to final acceptance of the plan. We anticipate response from FERC soon (weeks). Revised scoping of the Geotech investigation with various subs is underway, and will be finalized upon formal acceptance of DPP by DSOD and FERC. Highlights / milestones / challenges: GEI needs approval of the DPP from FERC and DSOD in order to get subs under subcontracts, and set up schedule and revised budget. With this challenge noted, subs are tentatively scheduling this exploration for late July, in anticipation of approval of the DPP within the coming week(s).	HMGP Advance Assistance Grant (Current) Cal OES / FEMA (75% Share): $1,532,963 HBMWD (25% Match): $510,988 **Total Current Project Budget: $2,043,950** HMGP Adv. Assist. Grant Total Request (Response Pending) Cal OES / FEMA (75% Requested Share): $3,482,963 HBMWD (25% Proposed Match): $1,160,988 HBMWD (100% Self-Fund): $91,374 **Total Requested Project Budget: $4,735,325**	Consulting (GEI) Original Contract Amount: $2,945,139 Amendments to Date: $152,197 Amendments Percent Increase/Decrease: 5% Current Contract Amount: $3,097,336 Total Invoiced to Date (pending): $550,008 Percent Invoiced to Date: 18% Anticipated Contract Amount (if SOW revision approved): $4,730,407	Contract Award Date: 5/29/2025 Original Contract Completion: 12/31/2027 Extended Calendar Days: 0 Current Contract Completion: 12/31/2027 Estimated Completion: 11/18/2027 Percent Schedule Elapsed: 39% Grant SOW Completion: 5/30/2026 Grant Period of Performance: 8/28/2026
Matthews Dam Part 12D Comprehensive Assessment FERC requirement to evaluate Matthews Dam's current integrity and long-term safety Phase: Studies being performed	Continued development of the hydrologic hazard and consequence assessments. Continued documentation review. Submitted Pre-Inspection Preparation Report (PIPR) to District. Prep for inspection and workshop.	HBMWD FY 25/26 Budget (100%): $504,865	Original Contract Amount: $538,621 Amendments to Date: $0 Amendments Percent Increase/Decrease: 0% Current Contract Amount: $538,621 Total Invoiced to Date: $249,146 Percent Invoiced to Date: 46%	Contract Award Date: 11/25/2024 Original Contract Completion: 1/31/2027 Extended Calendar Days: 0 Current Contract Completion: 1/31/2027 Estimated Completion: 1/31/2027 Percent Schedule Elapsed: 70%

[1]This report summarizes the statuses of current contracts and may not correlate with current financial statements.

Active Large Contract Progress Report

Project Description	Progress / Status Update	Funding Source / Budget	Active Contracts and Financial Status[1]	Schedule Tracking
Turbidity Reduction Facility Generator DR4558-PJ0389 The existing 100 kW generator at the TRF only powers the chemical pumps. The project includes installation of a new 750 kW genearator to power backwash pumps and other critical components. Phase: Construction	Project status: The project is still under construction with the generator scheduled to arrive on 6/4/26. Progress over the last month: Wahlund, the District, and PACE worked together to ensure the generator would arrive on the date the manufacturer proposed in their fourth delay letter. The manufacturer has confirmed the ship and arrival date to be within expectations. After the generator arrives, the final phase of construction can commence. Highlights / milestones / challenges: The project team made a combined effort to hold the generator manufacturer accountable to their most recently proposed equipment ship date to work towards a completed project.	HMGP Phase Two Grant (Current) Cal OES / FEMA (75% Share): $1,303,876 HBMWD (25% Match): $434,625 **Total Phase Two Project Budget: $1,738,501** HBMWD Match Budget HBMWD (25% Match): $434,625 Contingency: $162,254 Total HBMWD Match Budget: $596,879	Construction (Wahlund) Original Contract Amount: $1,193,600 Change Orders to Date: $829 Change Order Percent Increase/Decrease: 0% Current Contract Amount: $1,194,429 Total Invoiced to Date: $742,426 Percent Invoiced to Date: 62% Engineering and Construction Management (PACE) Original Contract Amount: $432,000 Amendments to Date: $0 Amendments Percent Increase/Decrease: 0% Current Contract Amount: $432,000 Total Invoiced to Date: $212,029 Percent Invoiced to Date: 49% **Total Current Phase Two Contract Amount: $1,626,429**	Notice of Award: 3/14/2025 Notice to Proceed: 4/11/2025 Original Contract Calendar Days: 361 Original Contract Completion: 4/7/2026 Extended Calendar Days: 143 Current Contract Completion: 8/28/2026 Estimated Completion: 9/10/2026 Percent Schedule Elapsed: 83% Grant SOW Completion: 2/10/2027 Grant Period of Performance: 7/10/2027
Reservoirs Seismic Retrofit DR4344-PJ0040 Seismic retrofit of the District's three tanks to meet current California Building Code seismic requirements. Phase: Construction	Samoa Construction There is rust forming at the bottom of the Samoa tank and the contractor is coming up with a plan to correct the issue before the project is closed out. Korblex Construction Completed. CM Albat is at contract limit and intends to request an amendment for ~$37k.	HMGP Phase Two Grant (Current) Cal OES / FEMA (75% share up to $4,058,768): $4,058,768 HBMWD (25% Match + Remainder): $3,529,741 **Total Current Phase Two Project Budget: $7,588,509** HMGP Phase Two Grant Total Request (Response Pending) Cal OES / FEMA (75% Requested Share): $5,187,864 HBMWD (25% Match + Remainder): $2,400,645 **Total Requested Phase Two Project Budget: $7,588,509** HBMWD Match Budget HBMWD Match Requirement: $3,529,741 Contingency: $ (1,017,037) Total HBMWD Match Budget: $2,512,704	Samoa Construction (Paso Robles Tank) Original Contract Amount: $2,357,200 Change Orders to Date: $24,187 Change Order Percent Increase/Decrease: 1% Current Contract Amount: $2,381,387 Total Invoiced to Date: $2,381,387 Percent Invoiced to Date: 100% Korblex Construction (Paso Robles Tank) Original Contract Amount: $3,992,008 Change Orders to Date: $128,634 Change Order Percent Increase/Decrease: 3% Current Contract Amount: $4,120,642 Total Invoiced to Date: $4,079,878 Percent Invoiced to Date: 99% Construction Management (Albat) Original Contract Amount: $336,642 Amendments to Date: $347,920 Amendments Percent Increase/Decrease: 103% Current Contract Amount: $684,562 Total Invoiced to Date: $624,924 Percent Invoiced to Date: 91% Design and Engineering Services during Construction (GHD) Original Contract Amount: $263,148 Amendments to Date: $0 Amendments Percent Increase/Decrease: 0% Current Contract Amount: $263,148 Total Invoiced to Date: $255,975 Percent Invoiced to Date: 97% **Total Current Phase Two Contract Amount: $7,449,739**	Samoa Construction Notice of Award: July 2024 Notice to Proceed: 8/13/2024 Original Contract Calendar Days: 280 Original Contract Completion: 5/20/2025 Extended Calendar Days: 133 Current Contract Completion: 9/30/2025 Estimated Completion: 2/10/2026 Percent Schedule Elapsed: 160% Korblex Construction Notice of Award: July 2024 Notice to Proceed: 8/13/2024 Original Contract Calendar Days: 521 Original Contract Completion: 1/16/2026 Extended Calendar Days: 144 Current Contract Completion: 6/9/2026 Estimated Completion: 10/31/2026 Percent Schedule Elapsed: 99% Grant Deadlines Grant SOW Completion: 7/2/2026 Grant Period of Performance: 9/30/2026

[1]This report summarizes the statuses of current contracts and may not correlate with current financial statements.

NO ATTACHMENT FOR THIS ITEM

- General Manager Evaluation Committee met 5/4.
- Instream Flow Dedication Committee met 5/7.

Directors Report

ITEM NO 6.4.a/b

ACWA-ACWA/JPIA