

2024 Water Resources Development and Management Plan Update

WATER SUPPLY-DEMAND IMBALANCE SUBGROUP MEETING #1

July 17, 2024; 10 a.m. – 11 a.m.

Virtual Meeting

Meeting Summary

Meeting Objective: Establish common understanding of the process and assumptions for the updated Water Supply-Demand Imbalance (SDI) Analysis for the West Slope to be incorporated into the 2024 update of the Water Resources Development and Management Plan (WRDMP).

The following is a summary of comments and questions that were provided by PAG members and addressed by El Dorado Water Agency (EDWA) staff and consultants.

Opening Remarks and WRDMP24 Schedule

Rebecca Guo, General Manager, EDWA provided opening remarks and shared the schedule for the 2024 WRDMP update. EDWA is required to update the WRDMP every five years to promote adaptive capacity in response to changed conditions. Engaging interested parties to inform the 2024 WRDMP update includes a series of Plan Advisory Group (PAG) meetings to review proposed updates to the text since it was first developed in 2019. This meeting is part of this overall engagement of interested parties with a focus on the water supply-demand imbalance analysis process which will inform the update.

Recap: Water Supply-Demand Imbalance Analysis in 2019 WRDMP

Yung-Hsin Sun, Sunzi Consulting, provided an overview of the water supply-demand imbalance analysis work that was done as part of the 2019 WRDMP development. Information about the process and past interested parties' engagement to inform the analysis is available on the [EDWA website](#). Dr. Sun reviewed the requirements for the WRDMP and the importance of broad collaboration to promote long-term sustainable water management for fulfilling the vision of County General Plan. Dr. Sun reviewed the water use planning zones definitions as applied specifically in the plan, the approach taken to quantify long term demands (50 years horizon) and the water supply-demand imbalance assessment process.

Participants Comments and Questions:

- There are key changes in the County since 2019 for consideration. While these changes affect the environment in which planning is taking place, some may not directly affect the SDI.
 - Response: Some of the mentioned changes have already been incorporated into the Upper American River Watershed Plan. EDWA will consider remaining identified changes and their potential impacts as part of the 2024 WRDMP update.
- It is important to consider primary and adjoining water use as presented by Dr. Sun; acknowledge that on agricultural lands, residency is secondary and vice versa.
 - Response: Demand estimate reports help identify which areas are most suitable or not feasible based on economic/physical considerations. Without primary use there will not be a secondary use.
- The General Plan housing element and safety element have been updated. It is anticipated that changes to these elements will be more significant in future updates in the next 5-10 years.

Proposed Approach for Water Supply-Demand Imbalance Analysis for WRDMP24

Ibrahim Khadam, Khadam Consulting, reviewed changes from 2019 WRDMP, including changes in land use and M&I and agricultural water demands. Dr. Khadam also reviewed the proposed supply-demand imbalance assessment approach for the 2024 WRDMP update which builds on the work done for the 2019 WRDMP. Changes in land use from urban to agricultural and vice versa are relatively minor. While indoor demand has been reduced due to the new Water Use Efficiency regulations by 16%, the overall corresponding decrease in total M&I demand for the West Slope based on initial analyses ranges from 3.5% to 3.7% under different climate scenarios. The assessment of Water Supply-Demand Imbalance has been revised to incorporate DWR Climate Change Hydrology (2040) and the use of ARIOPs which is consistent with CalSim 3 Upper American Module to improve level of detail.

PAG Comments and Questions:

- It will be helpful to review a map that identifies the parcels with designated use changes (ag to urban, urban to ag) and locations based on soil type and elevation.
- The percent of change in land use seems higher than what was identified for the General Plan amendment and it will be important to review and coordinate.
 - **Response:** EDWA will schedule a follow-up meeting with County to confirm parcel changes since 2019. It is important to emphasize that the overall finding points to stable land use.
- The 2019 agricultural demand analysis was very well done and thorough. Agreed that it should be used for the 2024 update.

Action Items and Next Steps

- **Michael Ranalli** to share a list of changes since 2019 for consideration in the 2024 WRDMP update.
- **EDWA** to schedule a follow-up meeting with County Planning Department (Robert Peters and Karen Garner) to review identified land use changes with supporting GIS information.
- **EDWA** to hold a call with absent SDI members on July 29 to review materials and comments discussed today.
- **EDWA** to schedule a follow up PAG-SDI subgroup meeting to review the draft results of water supply-demand assessment.
- **EDWA** scheduled the next PAG meeting on Thursday, August 8th from 2pm – 4pm to review select chapters of the 2024 WRDMP update.

Participation

Organization	Name
SDI Members	
County of El Dorado	LeeAnne Mila, Agricultural Commissioner/Sealer of Weights and Measures
	Robert Peters, Deputy Director of Planning attending on behalf of Karen Garner, Director
El Dorado County Farm Bureau	Michael Ranalli, President
El Dorado Water Agency	Rebecca Guo, General Manager
Grizzly Flats Community Service District	Kim Gustafson, General Manager
Georgetown Divide Public Utility District	Adam Brown, Operations Manager
Support	
Sunzi Consulting	Yung-Hsin Sun, Senior Principal Consultant
	Orit Kalman, Facilitator
Khadam Consulting	Ibrahim Khadam, Principal Engineer

Additional Invited SDI Members

Organization	Name
El Dorado Irrigation District	Brian Mueller, Director of Engineering
County of El Dorado	Karen Garner, Director, Planning and Building Department