

**MINUTES
WATER RESOURCES COMMITTEE**

**Tuesday, July 2, 2024, at 9:00 a.m.
UNITED WATER CONSERVATION DISTRICT
Boardroom, 1701 N. Lombard Street, Oxnard CA 93030**

OPEN SESSION

The meeting was called to order at 9:00 a.m.

ROLL CALL

Two committee members were present (Kimball and Hasan), one committee member was absent (Ford).

1. Public Comment

No public speakers.

2. Approval of Minutes

Motion

Action: M/S/C (Hasan, Kimball) to approve the April 30, 2024, minutes.

Vote: Ayes: Hasan and Kimball; Noes: None; Absent: Ford.

3. Summary and Update on District Surface Water Conditions (Dr. Bram Sercu)

Senior Hydrologist Dr. Bram Sercu presented a summary of reservoir releases and diversions to date during water year 2024 and provided an update on current hydrologic conditions in the Santa Clara River watershed (presentation attached).

Director Hasan recommended the latter part of Dr. Sercu's presentation be taken to the full Board. Chair Kimball agreed the presentation be condensed with the key points.

4. Update on Water Supply and Demand Trends in the Oxnard and Pleasant Valley Basins (Patrick O'Connell)

Senior Hydrogeologist Patrick O'Connell presented total water use in Oxnard and Pleasant Valley Basins from 1985-2023 to reflect trends in Agriculture and Municipal and Industrial water demand (presentation attached).

Chair Kimball recommended the presentation go to the full Board with the focus being on surface water and deliveries.

Public Speakers: Martin Gramckow and Anonymous

5. Summary of Groundwater Modeling Conducted by United to Support FCGMA's 5-Year GSP Updates for Oxnard, Pleasant Valley Basins, and West Las Posas (Dr. Jason Sun)



Supervisory Water Resources Engineer Dr. Sun presented on District groundwater models, GSP evaluation, baseline and scenarios along with the Extraction Barrier and Brackish Water Treatment Project and sustainable management criteria (presentation attached).

Director Hasan recommended the presentation go to the full Board focusing on the conclusion.

Public Speakers: Sam Collie and Burt Handy

Director Hasan left the meeting at 10:20 a.m.

6. Water Resources Department and GSA Activities Update (John Lindquist)

John Lindquist announced the meeting would be adjourned due to a lack of quorum; the Water Resources department updates were available for review in the agenda packet.

FUTURE AGENDA ITEMS

No future agenda items.

ADJOURNMENT

The meeting was adjourned at 10:28 a.m.

I certify that the above is a true and correct copy of the Minutes of the Water Resources Committee Meeting of July 2, 2024.

ATTEST: Gordon Kimball
Gordon Kimball, Chair



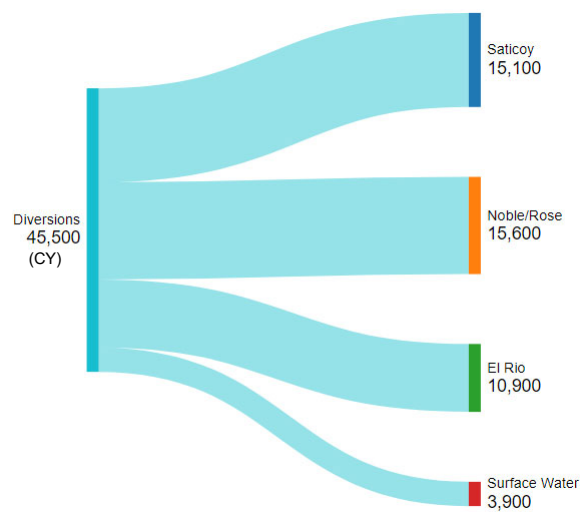
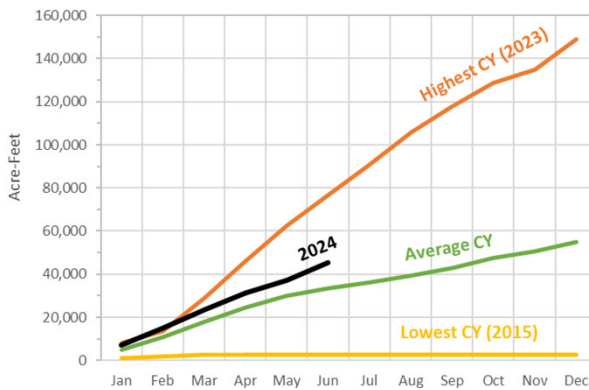
3. SUMMARY AND UPDATE ON DISTRICT SURFACE WATER CONDITIONS

Presented by: Bram Sercu, Senior Hydrologist
Water Resources Committee Meeting
July 2, 2024



1

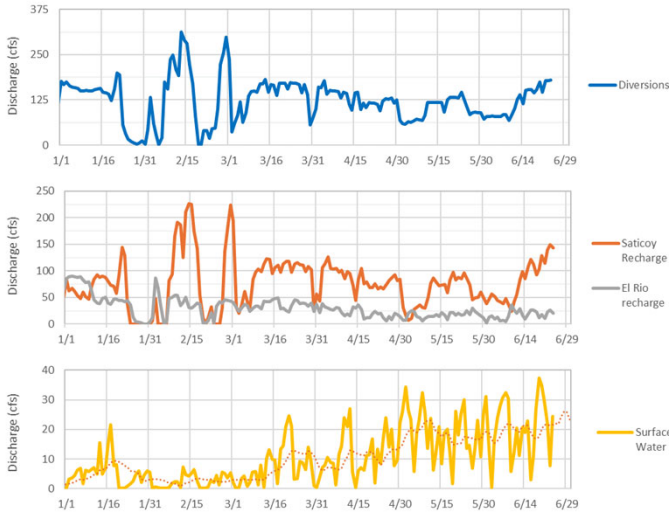
2024 Diversions



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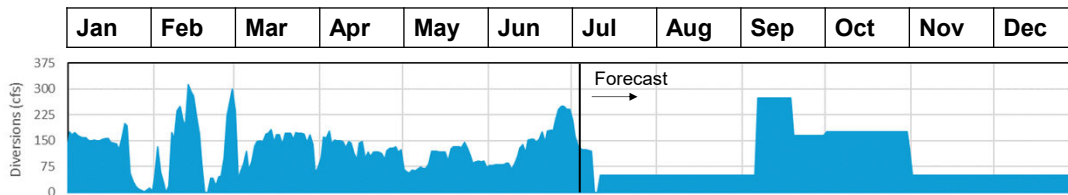
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Jan-May Operations Summary



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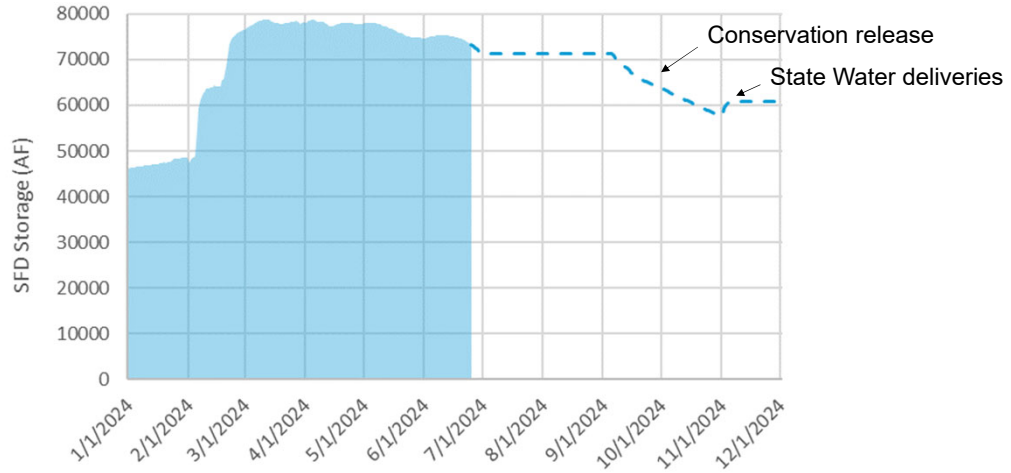
CY 2024 Planning*



*Approximate schedule for planning purposes

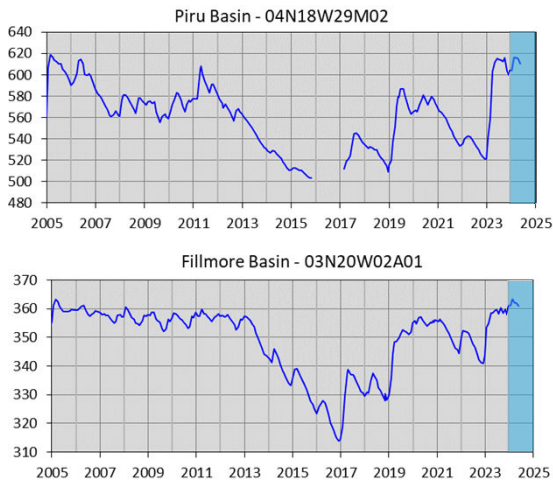
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Lake Piru Storage Forecast

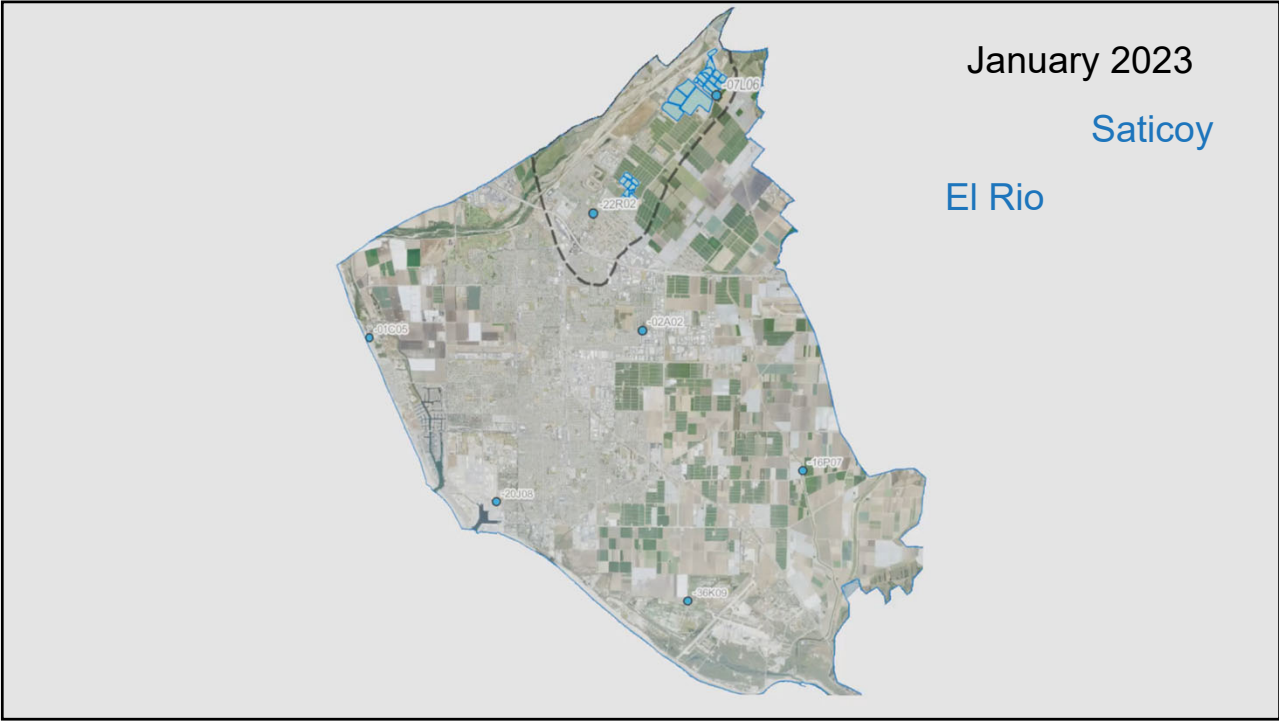


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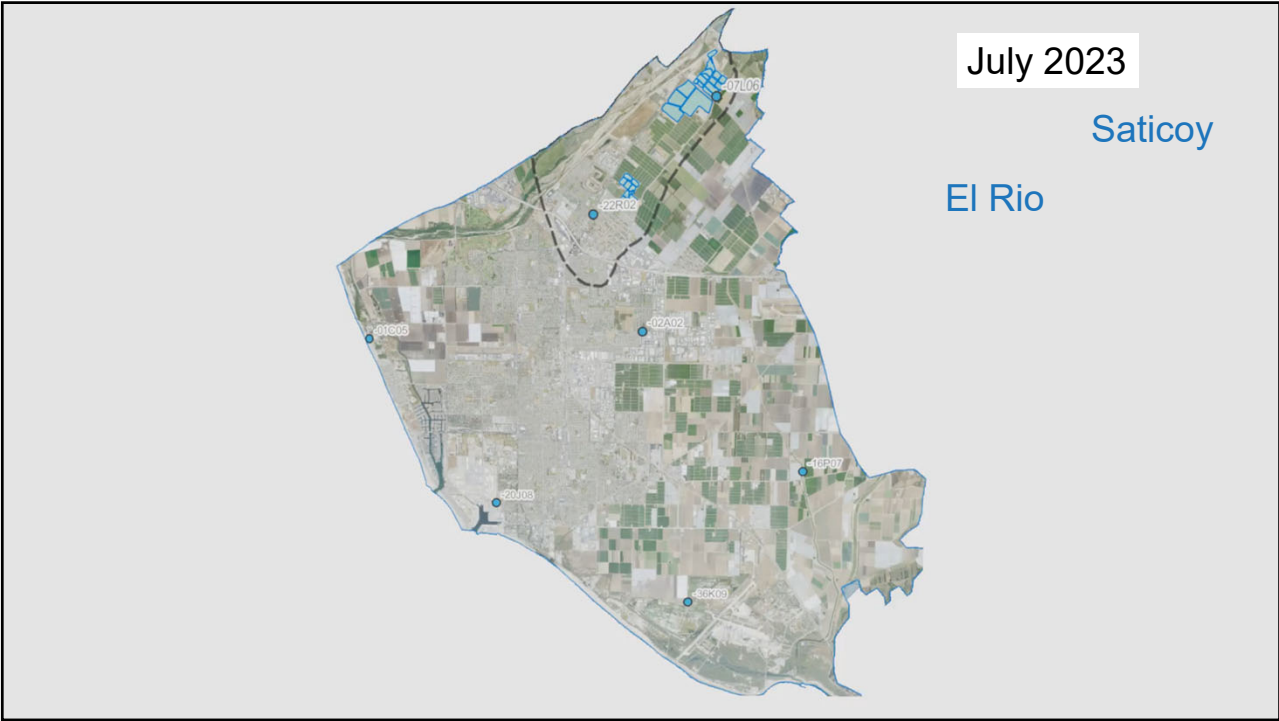
Groundwater Conditions Upper Basins



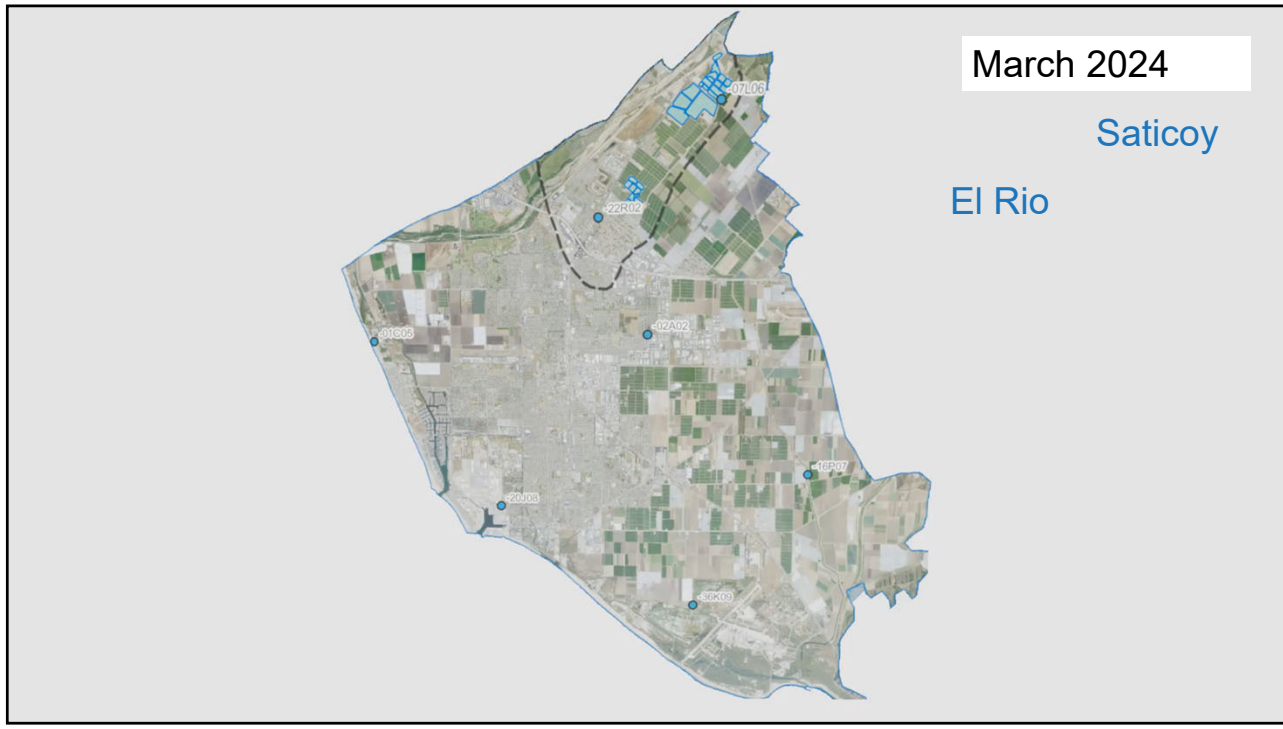
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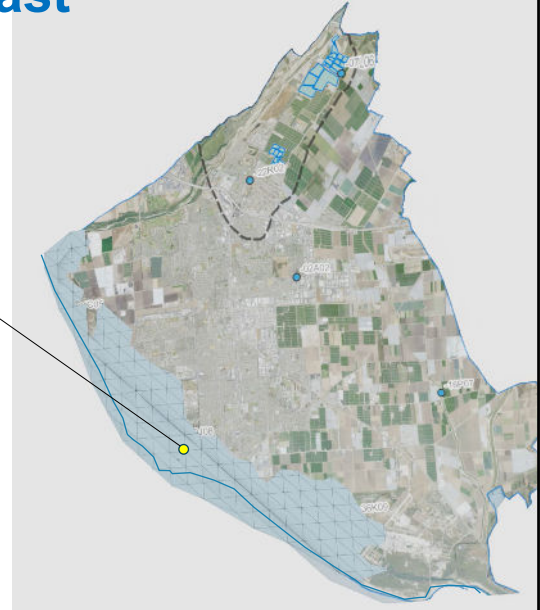
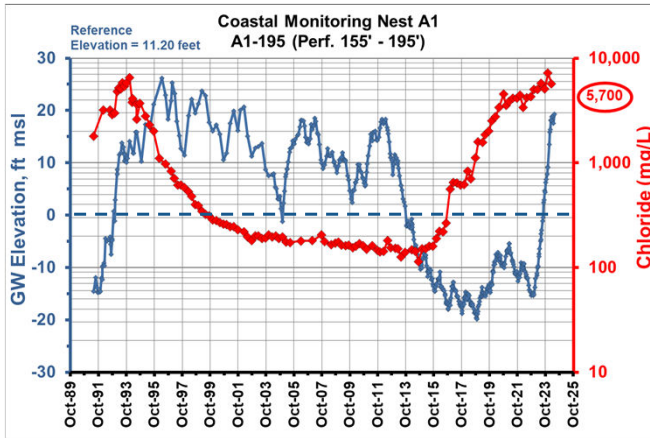


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Extended period above sea level needed for reducing chloride along coast




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Questions?




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4. UPDATE ON WATER SUPPLY AND DEMAND TRENDS FOR OXNARD AND PLEASANT VALLEY BASINS



Presented by: Patrick O'Connell, Senior Hydrogeologist
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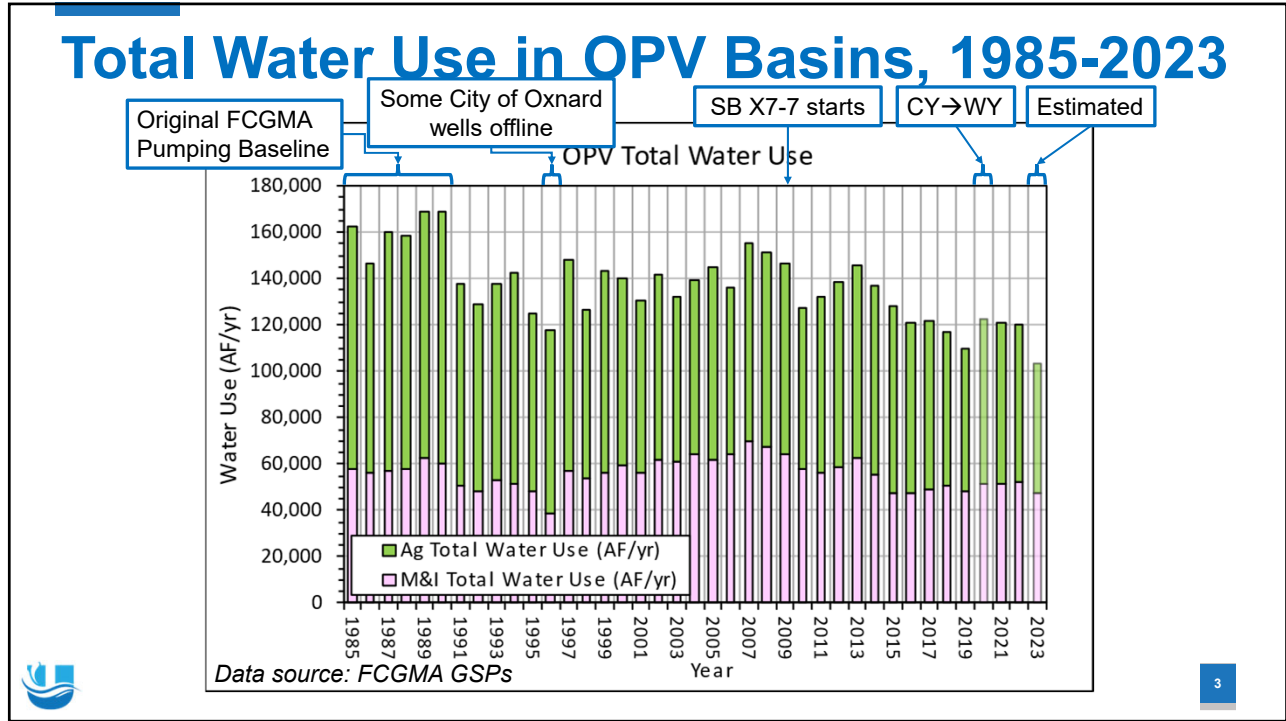
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Questions of Interest

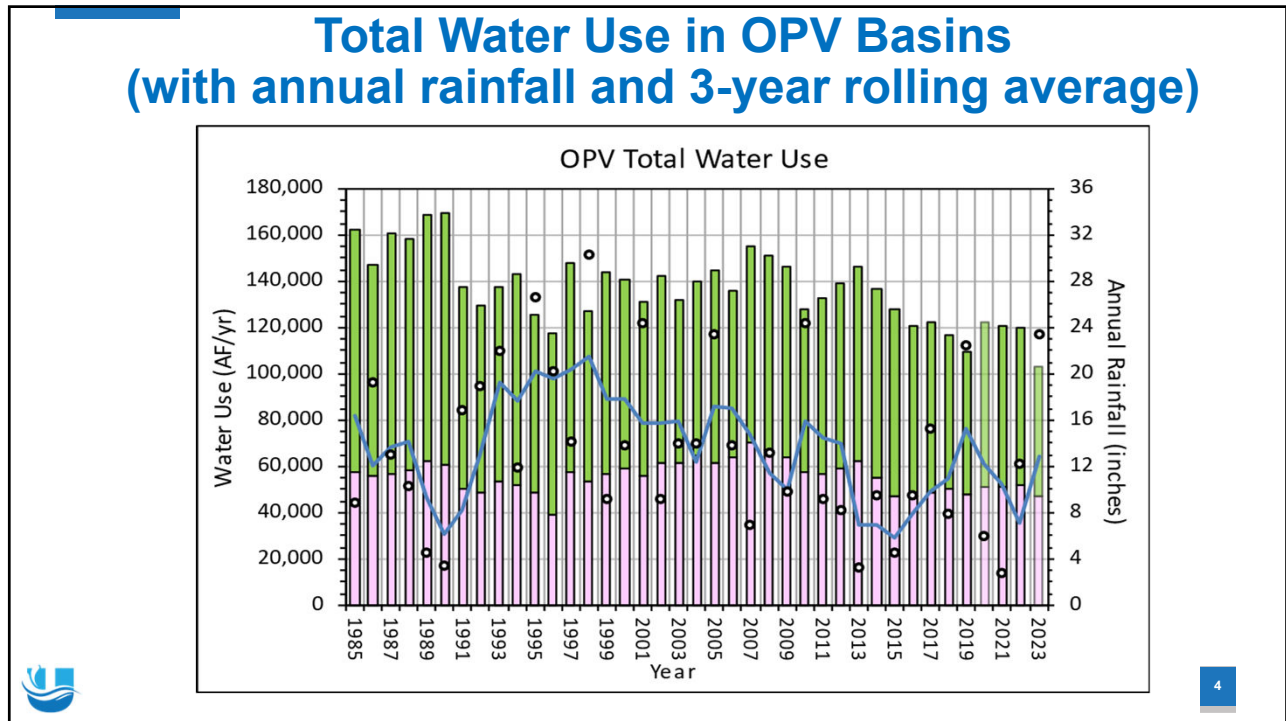
- What trends do we see in Ag and M&I water demand in the Oxnard and Pleasant Valley (OPV) Basins since 1985?
- What can explain these changes in demand?
 - *Wet and dry climate cycles?*
 - *Conservation efforts?*
 - *Land use changes?*
- How do different sources of water supply help meet demands?



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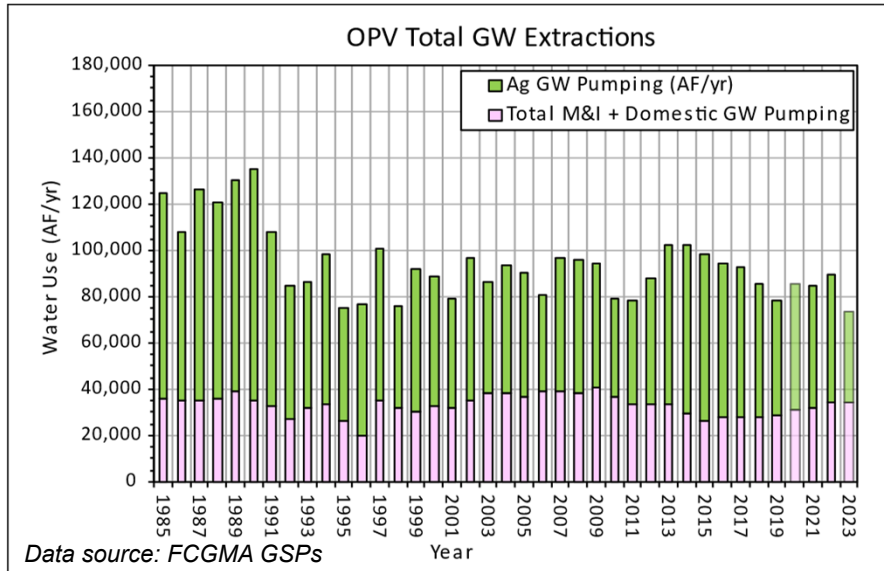


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Groundwater Use in OPV Basins, 1985-2023

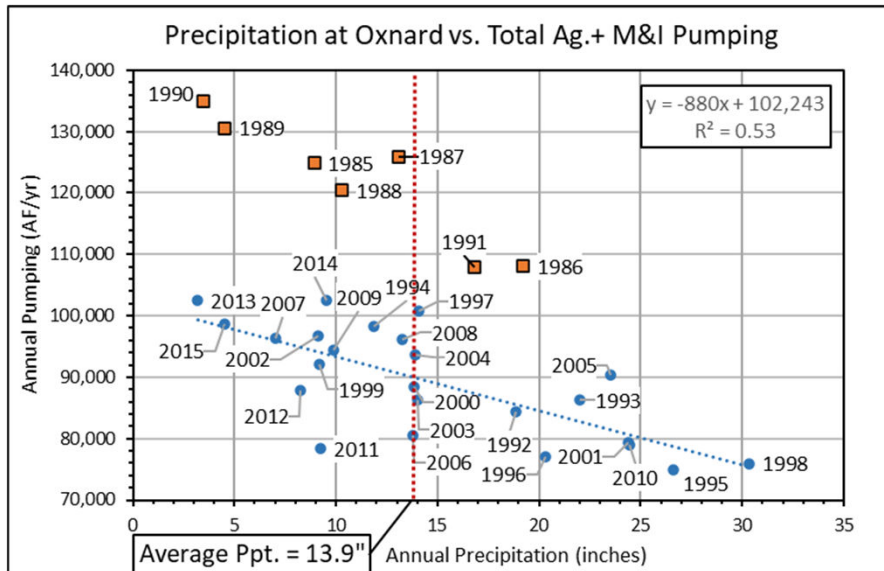


GW pumping accounts for 50% to 75% of total demand.



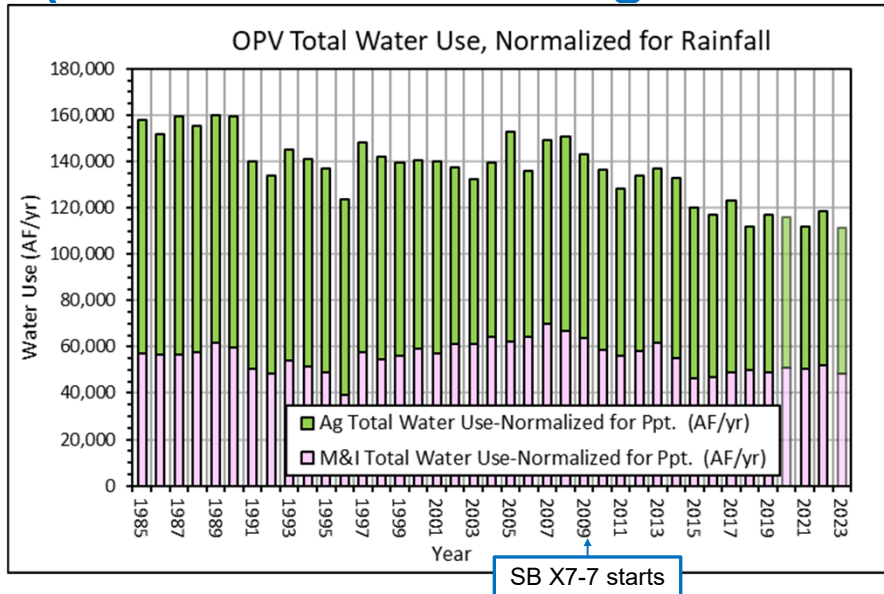
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More Rain → Less Pumping



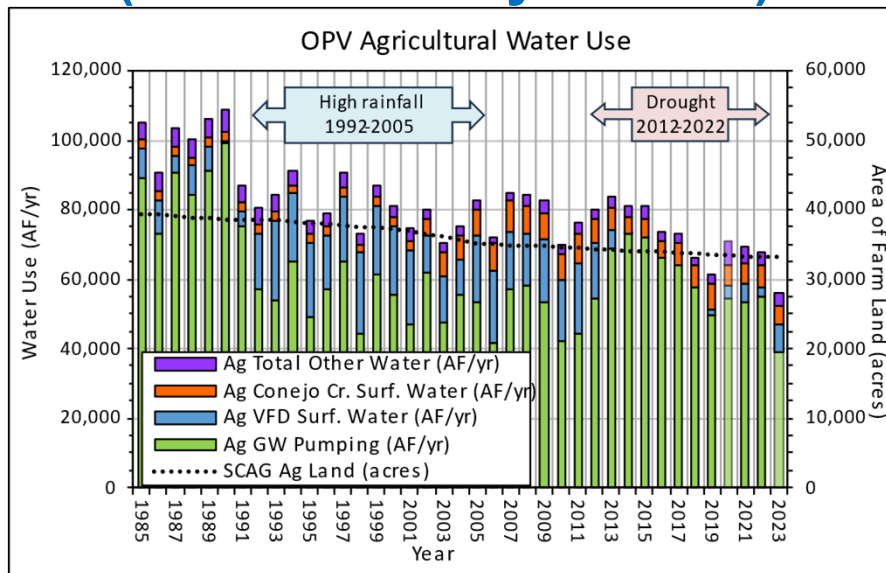
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Total Water Use in OPV Basins (normalized to average rainfall)



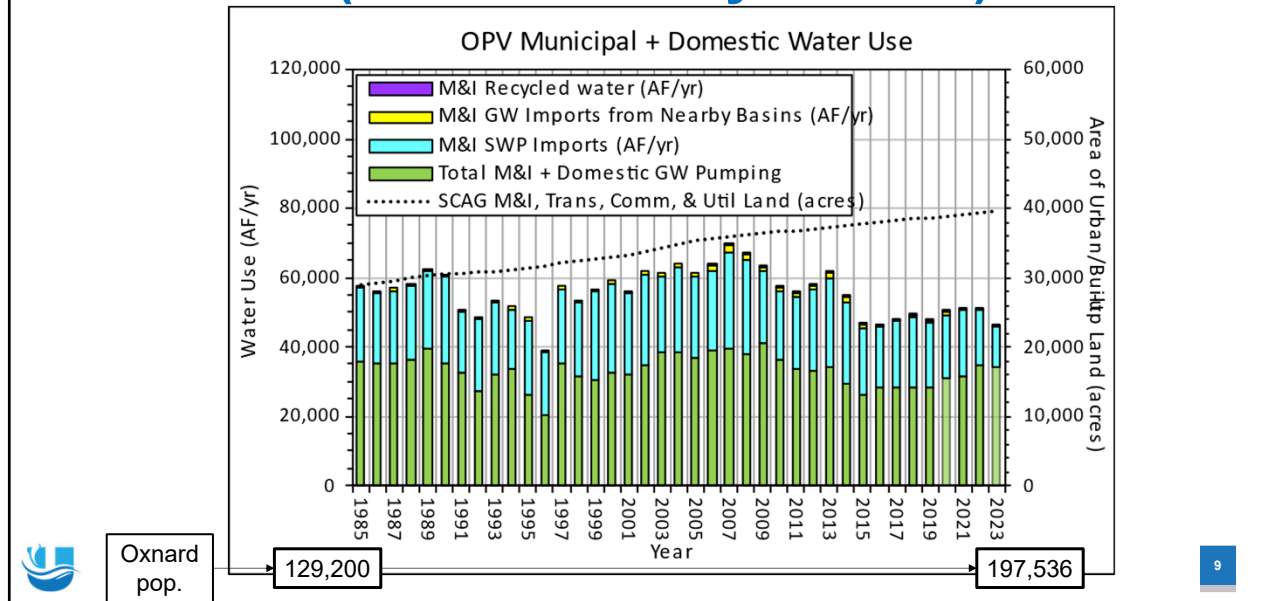
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Ag Water Use in OPV Basins (Broken Out by Source)



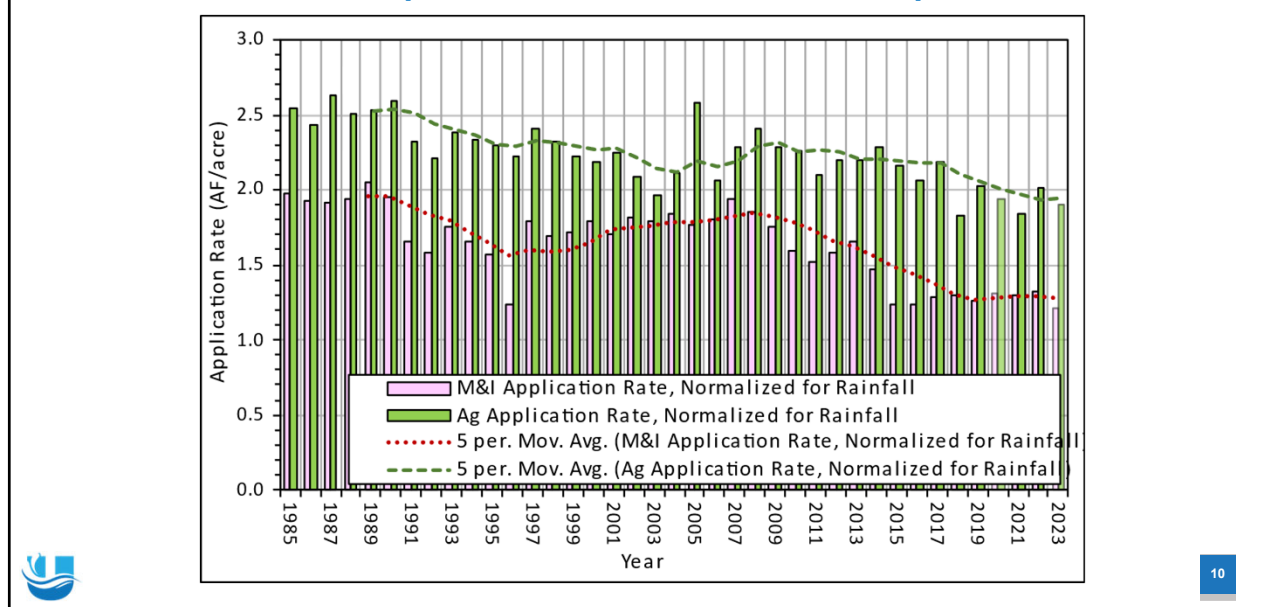
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M&I Water Use in OPV Basins (Broken Out by Source)



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Ag and M&I Total Water Application Rates (normalized for rainfall)



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Takeaways

- Accounting for water year types and land use changes helps reveal water use trends.
- Application rates have decreased while water conservation by Ag and M&I has increased, especially since 2009.
- Groundwater is an important local water supply, especially during droughts.
- Diverse water supplies - *local and imported surface water, desalinization, and recycled water* - provide resiliency and help achieve sustainability goals.



Questions?

