

**MINUTES
WATER RESOURCES COMMITTEE**

**Tuesday, October 1, 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 9:01 a.m.

ROLL CALL

All committee members were present (Ford, Kimball and Hasan).

1. Public Comment

No public speakers.

**2. Approval of Minutes
Motion**

Action: M/S/C (Hasan, Kimball) to approve the July 7, 2024, minutes.

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

3. Summary and Update on District Surface Water Conditions

Associate Hydrologist Luke Bryden 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).

4. Lake Piru Reservoir Operations Planning for Santa Felicia Dam Safety Improvement Project

Principal Hydrologist Dr. Bram Sercu presented a modified reservoir operations plan for the duration of the Santa Felicia Dam outlet works construction and the accompanying hydrological risk assessment (presentation attached).

5. Summary of Fox Canyon Groundwater Management Agency's (FCGMA) Draft 5-Year GSP Updates for Oxnard, Pleasant Valley, and Las Posas Valley Basins

Water Resources Supervisor John Lindquist presented an overview and highlighted key conclusions and recommendations from the FCGMA's draft 5-year GSP updates released in August for public review and comment (presentation attached).

General Manager Mauricio Guardado emphasized the importance of Navy's support of the Extraction Barrier and Brackish (EBB) Water Treatment Project.



6. Water Resources Department and GSA Activities Update

Water Resources Supervisor John Lindquist verbally summarized Water Resources Department activities and responded to comments on the most recent Water Resources Department staff report; no presentation given.

FUTURE AGENDA ITEMS

No future agenda items.

ADJOURNMENT

The meeting was adjourned at 10:05 a.m.

I certify that the above is a true and correct copy of the Minutes of the Water Resources Committee Meeting of October 1, 2024.

ATTEST: Gordon Kimball
Gordon Kimball, Chair



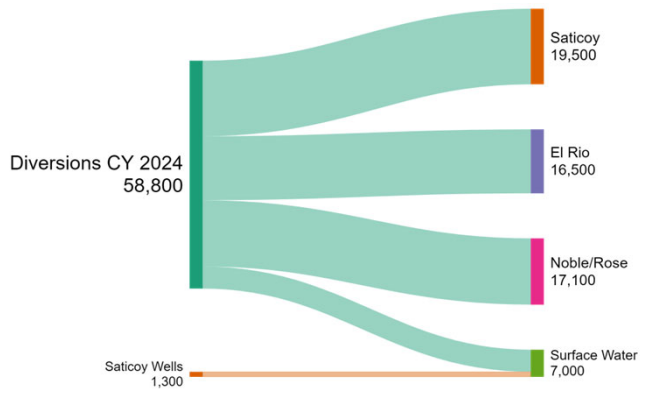
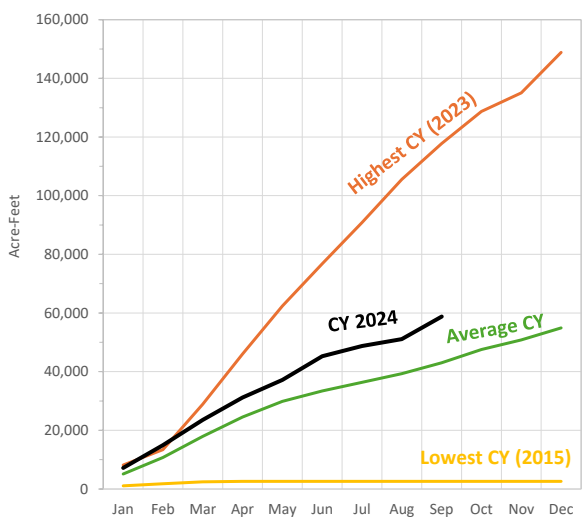
3. SUMMARY AND UPDATE ON DISTRICT SURFACE WATER CONDITIONS

Presented by: Luke Bryden, Associate Hydrologist
Water Resources Committee Meeting
October 1, 2024



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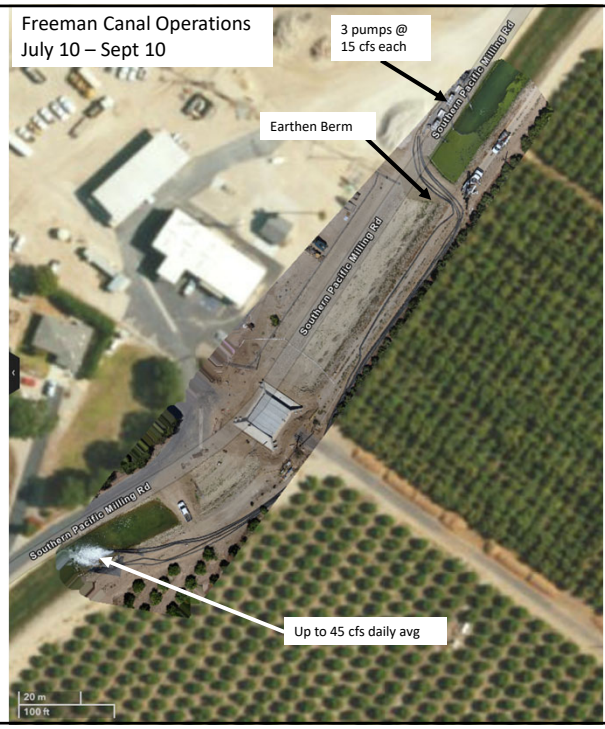
2024 Diversions



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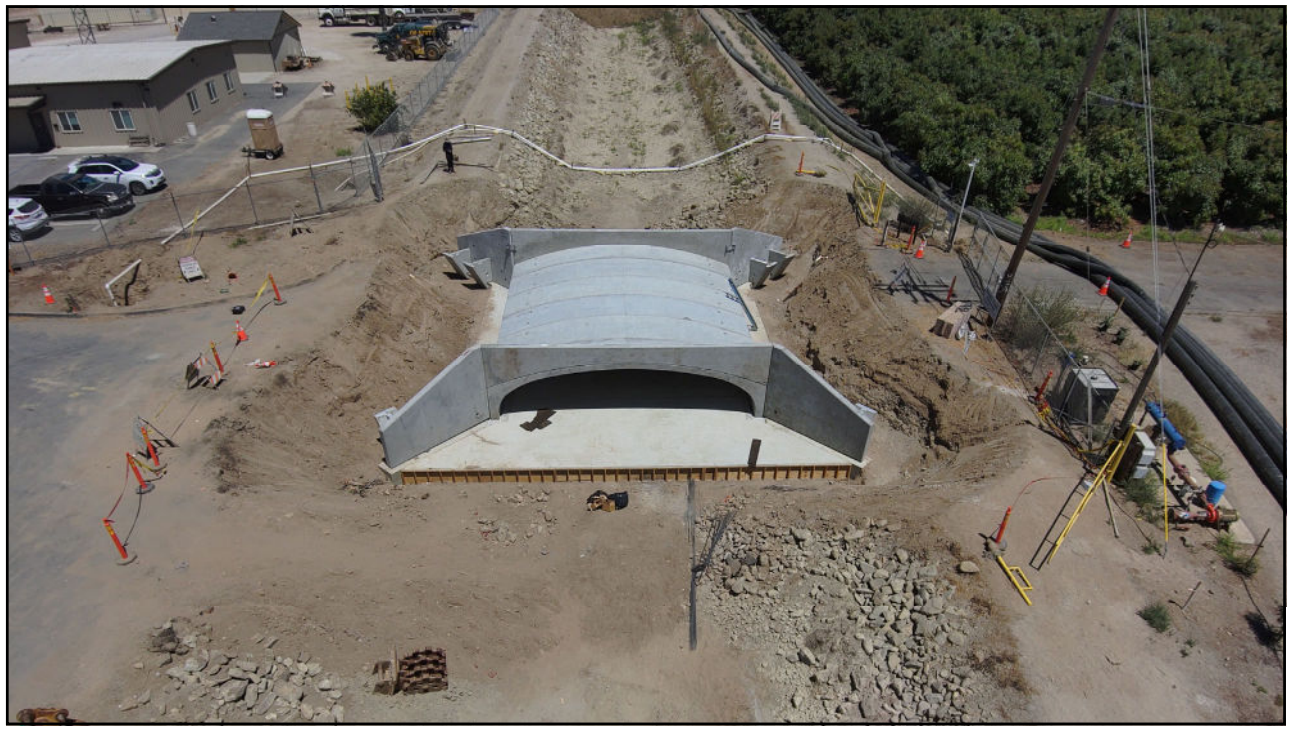
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Bridge Construction at Saticoy

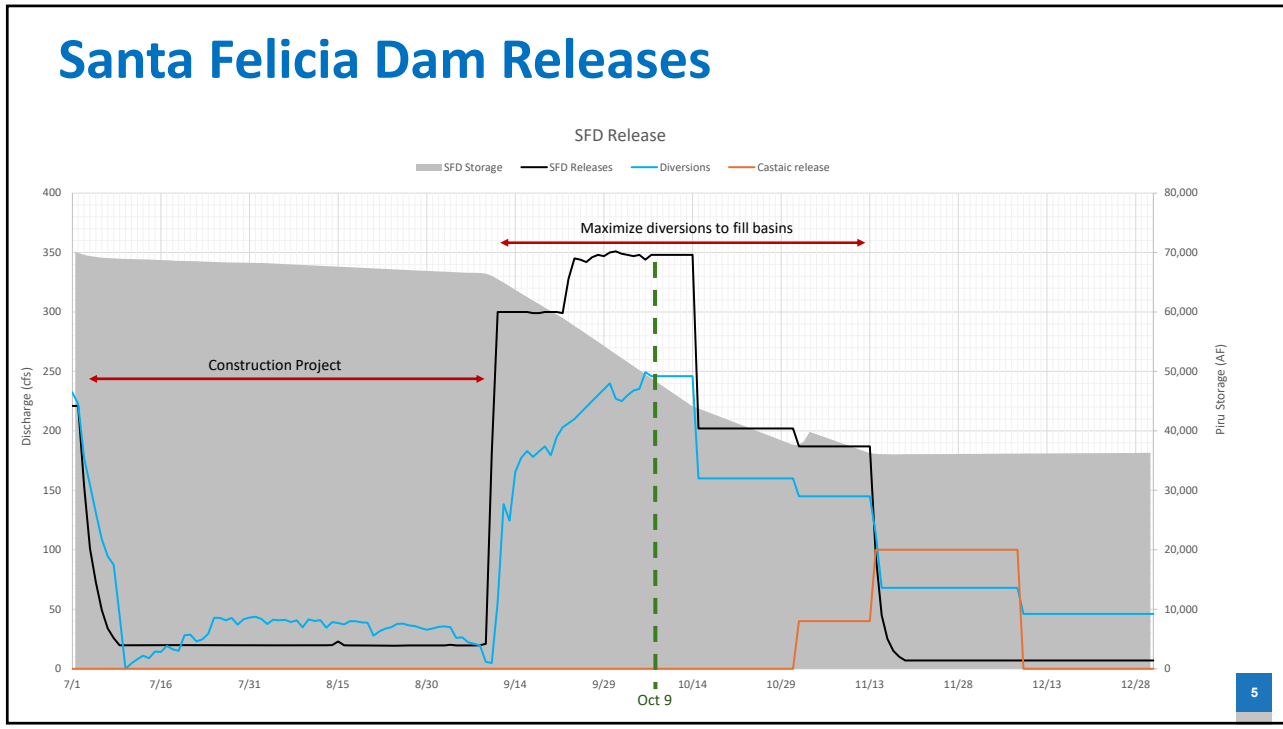


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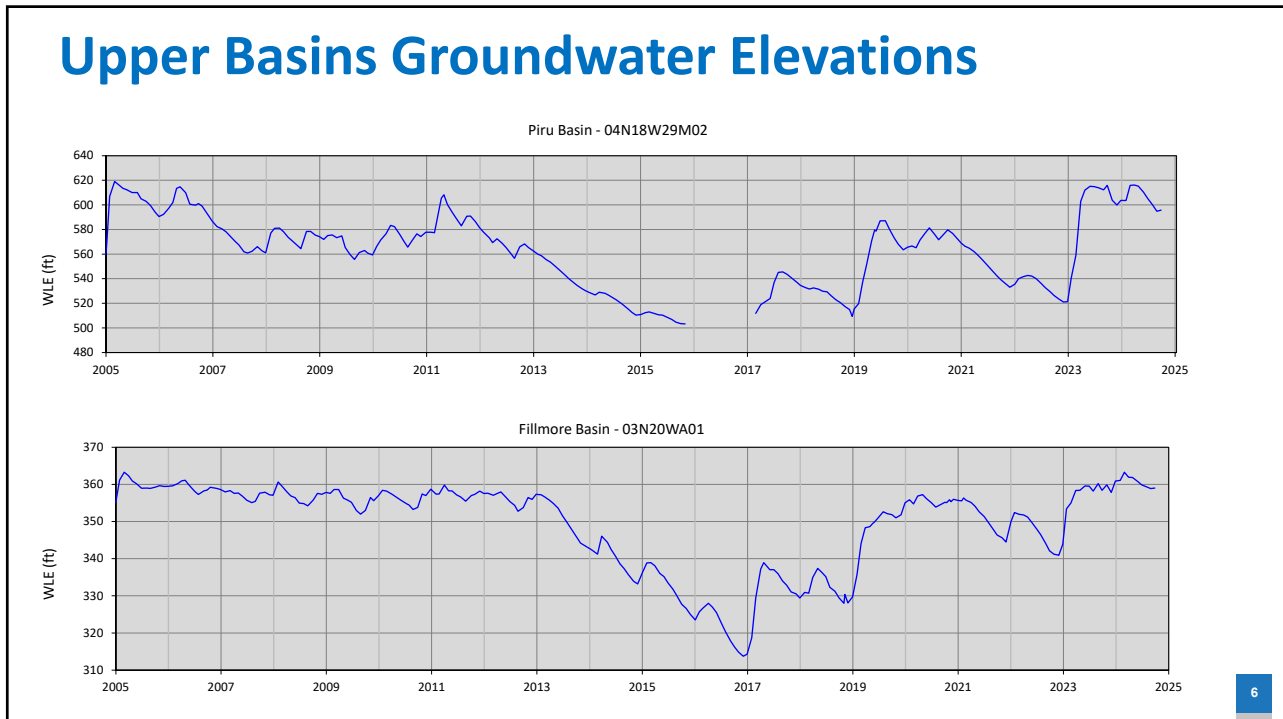
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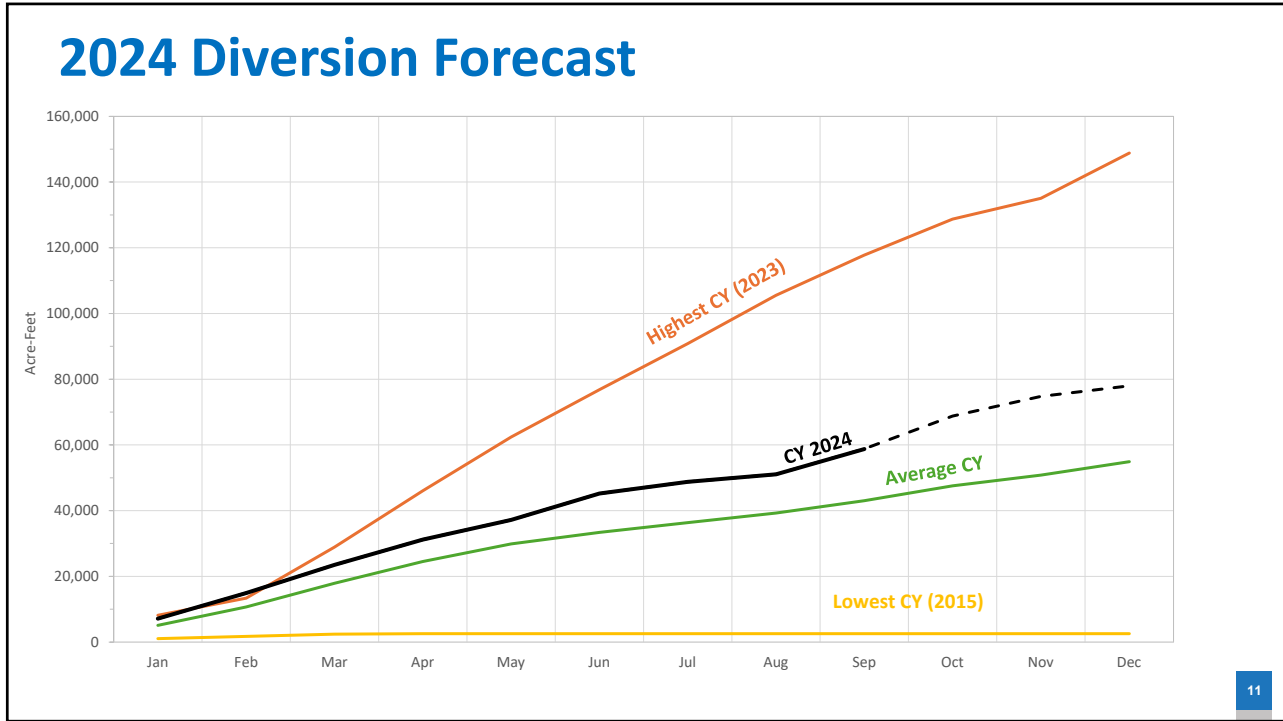
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Questions?



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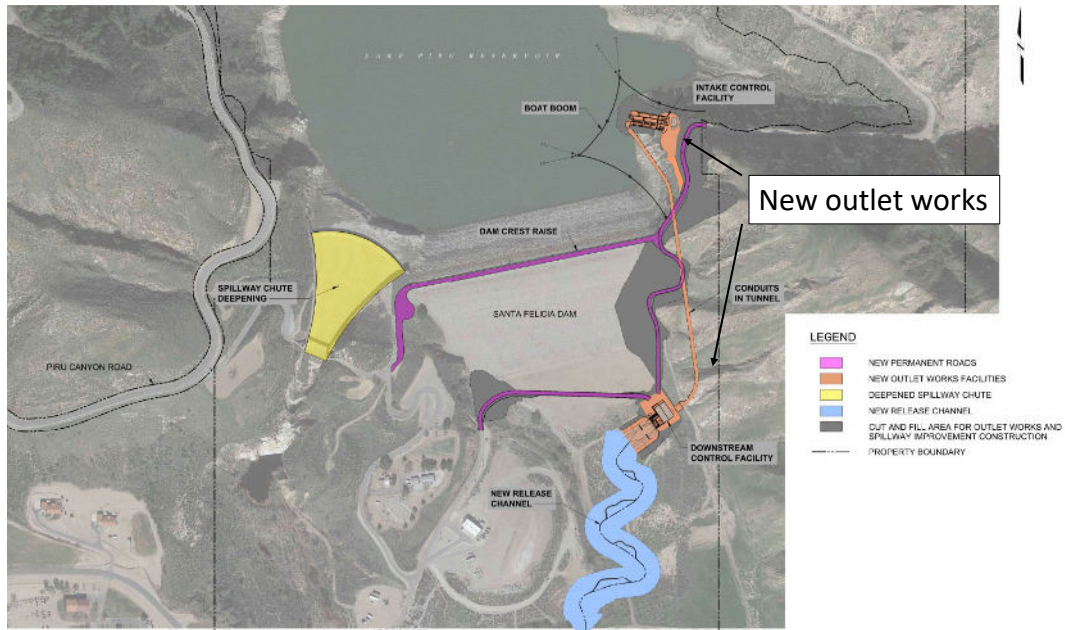
4. LAKE PIRU RESERVOIR OPERATIONS PLANNING FOR SANTA FELICIA DAM SAFETY IMPROVEMENT PROJECT

Presented by: Bram Sercu, Principal Hydrologist
Water Resources Committee Meeting
October 1, 2024

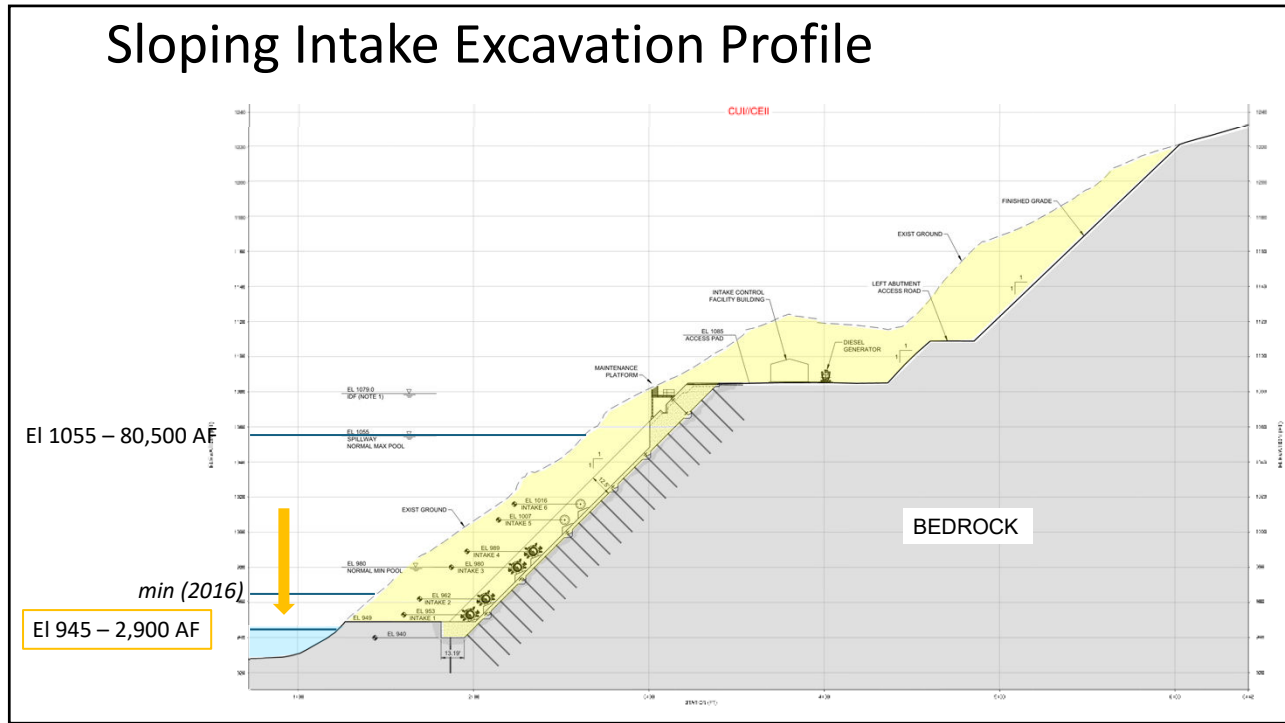


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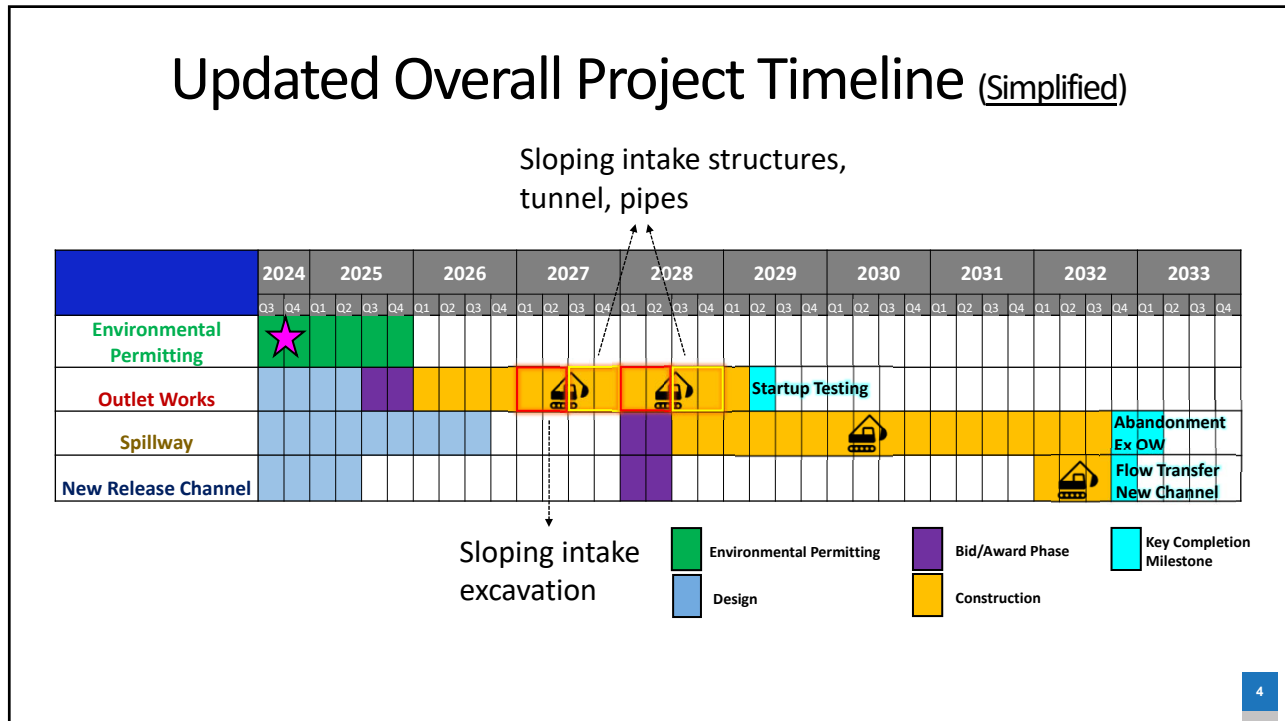
Santa Felicia Dam Safety Improvement Project



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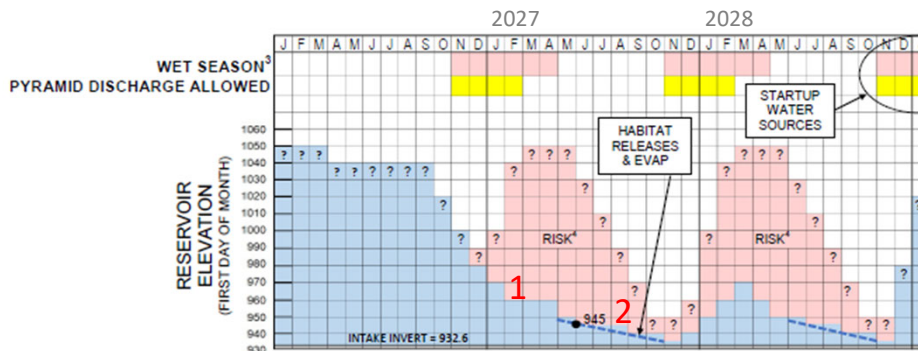
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Two Risk Evaluations

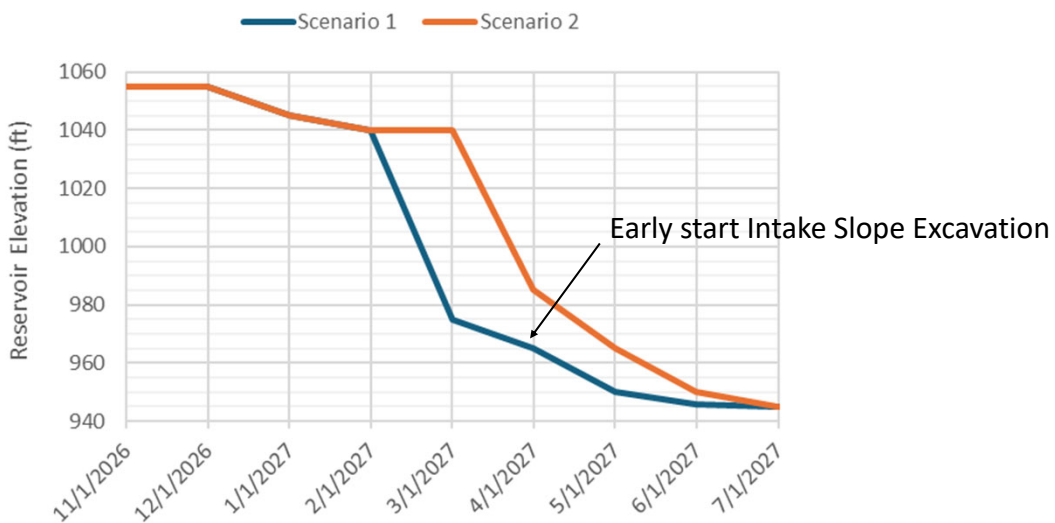
1. Can we meet maximum reservoir elevations during winter-spring?
 → Construction schedule sloping intake & tunnel
2. Can we maintain some reservoir storage during dry period?
 → Continuity habitat releases



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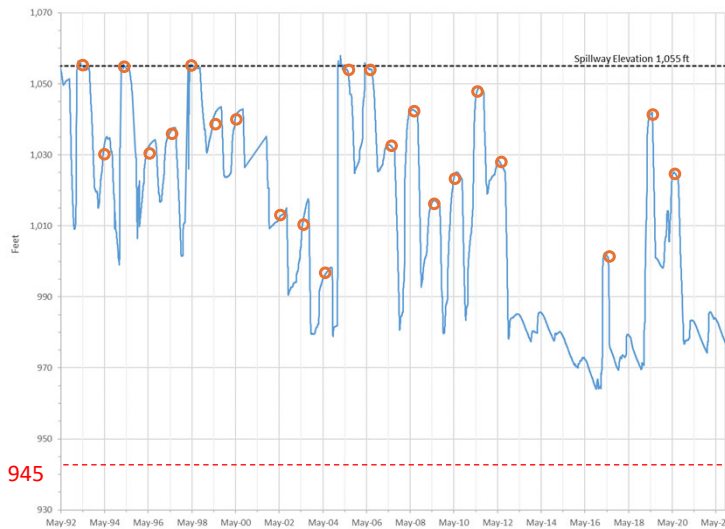
1. Can we meet maximum reservoir elevations?



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Normal Reservoir Operations

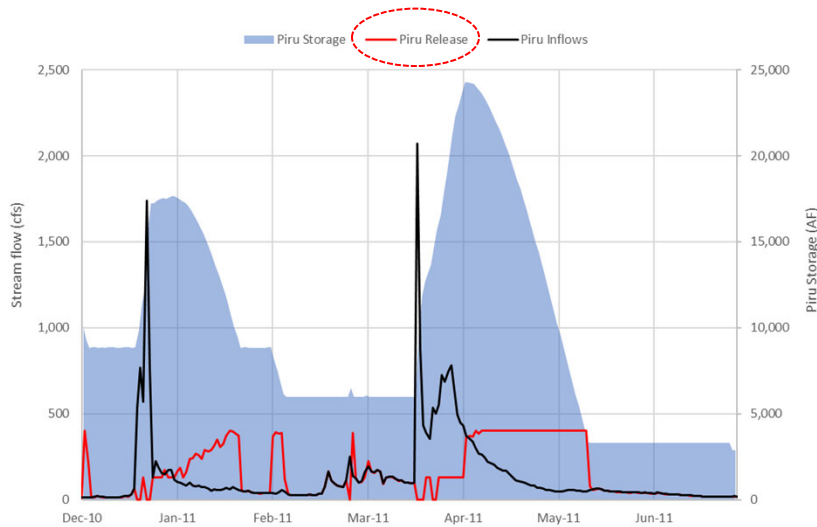


- Water level normally high after wet season
- Need water level at 945 ft by June/July 1
- **Increase winter releases from SFD**

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Modified Reservoir Operations – Simulated Example

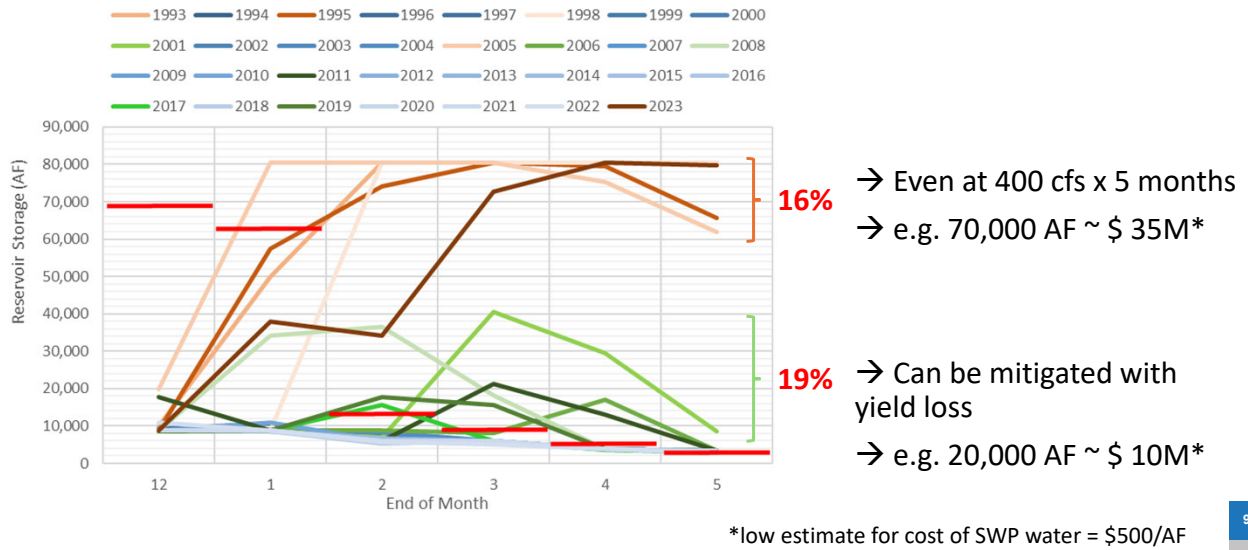


- ✓ Release up to 400 cfs
- ✓ Release in-between storms to limit yield losses

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Probability of Exceeding Maximum Elevations (Scenario 1)



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2. Can we maintain habitat releases?

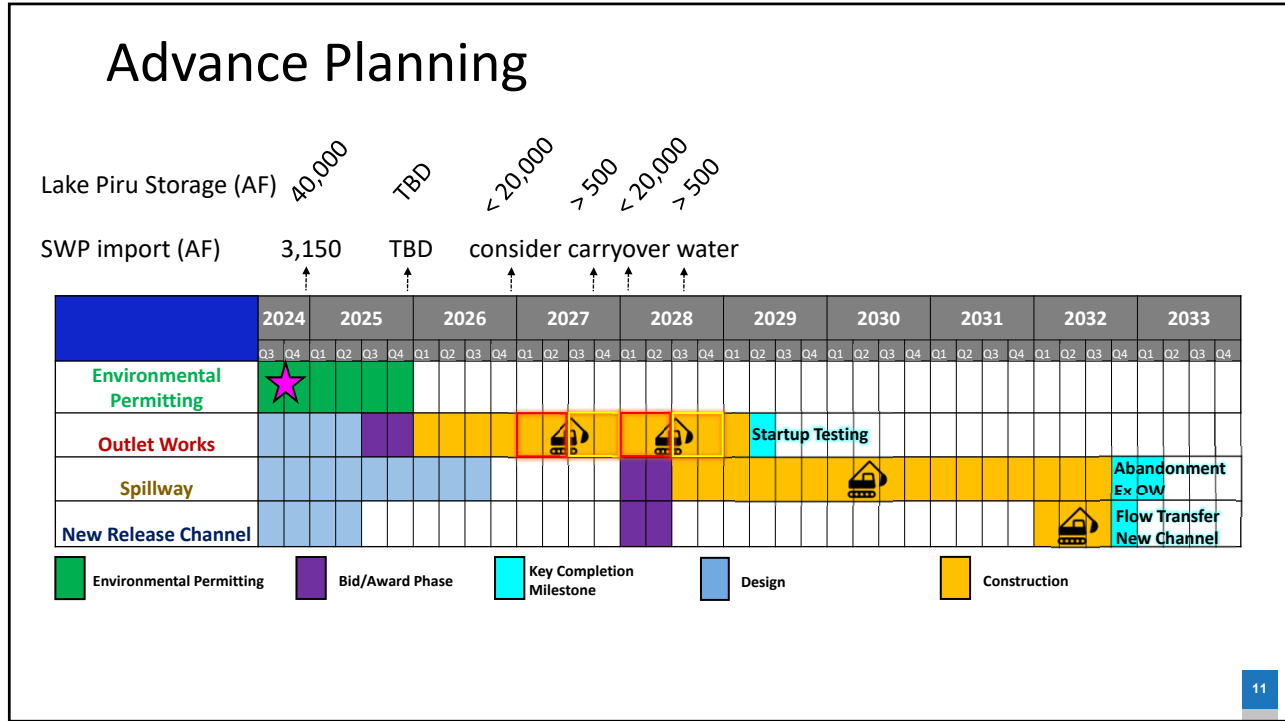
Simulated Lake Piru volume during outlet works construction (AF)

Hydro Year	2027				2028												2029		
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
2012	876	456	293	336	601	826	1019	846	468	0	0	0	0	0	0	0	0	1573	5261
2013	718	259	92	0	0	1573	5261	3874	2881	2353	1800	1245	711	180	0	1280	1107	1249	1213
2014	715	185	0	1280	1107	1249	1213	961	600	111	0	0	0	0	0	0	370	637	963
2015	902	455	116	98	468	735	1061	938	602	75	0	0	0	0	0	0	4120	15532	5919
2016	690	178	0	0	4120	15532	5919	3582	2886	2295	1612	931	286	0	0	0	0	0	2629
2017	286	0	0	0	0	0	2629	3173	2838	2328	1759	1189	658	125	0	0	5610	15144	13164
2018	705	173	0	0	5610	15144	13164	3917	2886	2882	2651	2091	1580	1081	839	3902	5970	5992	5993
2019	1580	1081	839	3902	5970	5992	5993	3969	2886	2816	2256	1568	910	402	132	98	367	693	827
2020	910	402	132	98	367	693	827	679	175	0	0	0	0	0	0	3735	4793	4406	3746
2021	597	85	0	3735	4793	4406	3746	3836	2790	2252	1689	1152	644	112	0	373	31121	27398	65879
2022	729	197	0	373	31121	27398	65879	75527	74859										

Insufficient water to maintain releases ~ 35% probability/yr

Risk can be virtually eliminated by reducing habitat releases to 3-5 cfs and purchase of up to 500 AF of SWP water


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Questions?

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5. SUMMARY OF FCGMA'S DRAFT 5-YEAR GSP UPDATES FOR OXNARD, PLEASANT VALLEY, AND LAS POSAS VALLEY BASINS



Presented by: John Lindquist, Water Resources Supervisor
Water Resources Committee Meeting
October 1, 2024



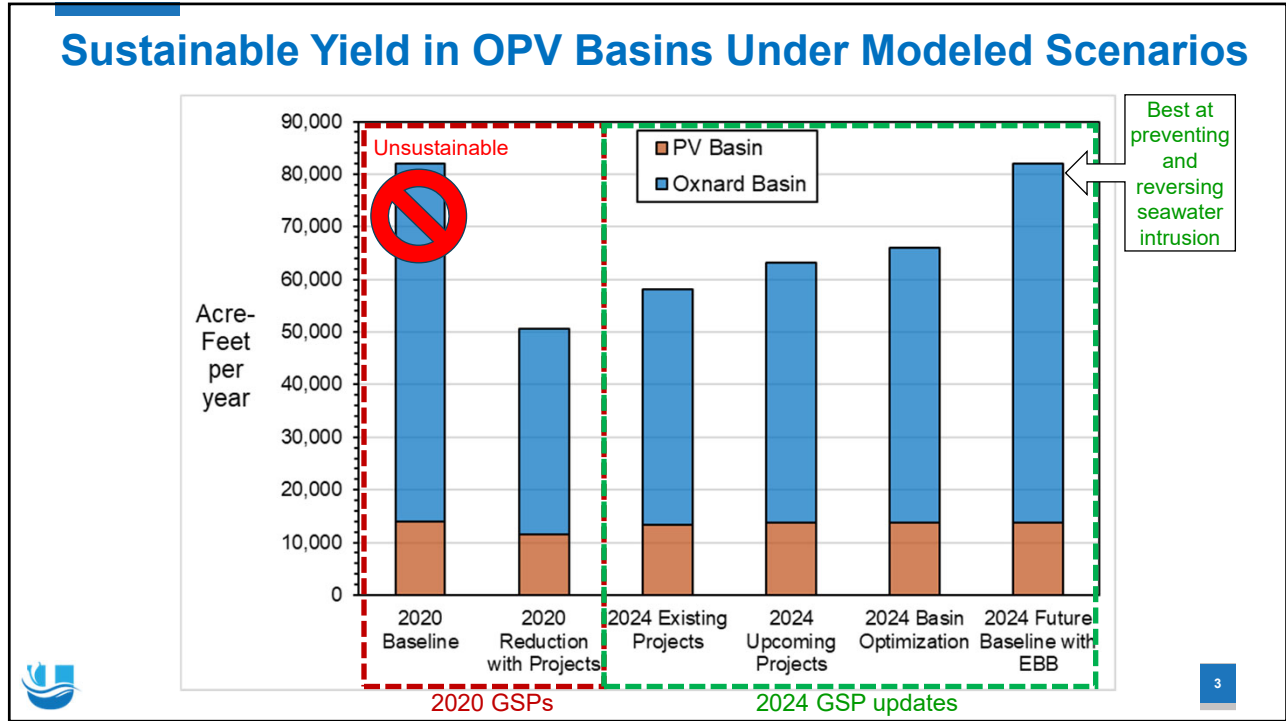
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Comparison of Major Assumptions and Projects in 2020 GSPs vs. 2024 GSP Updates

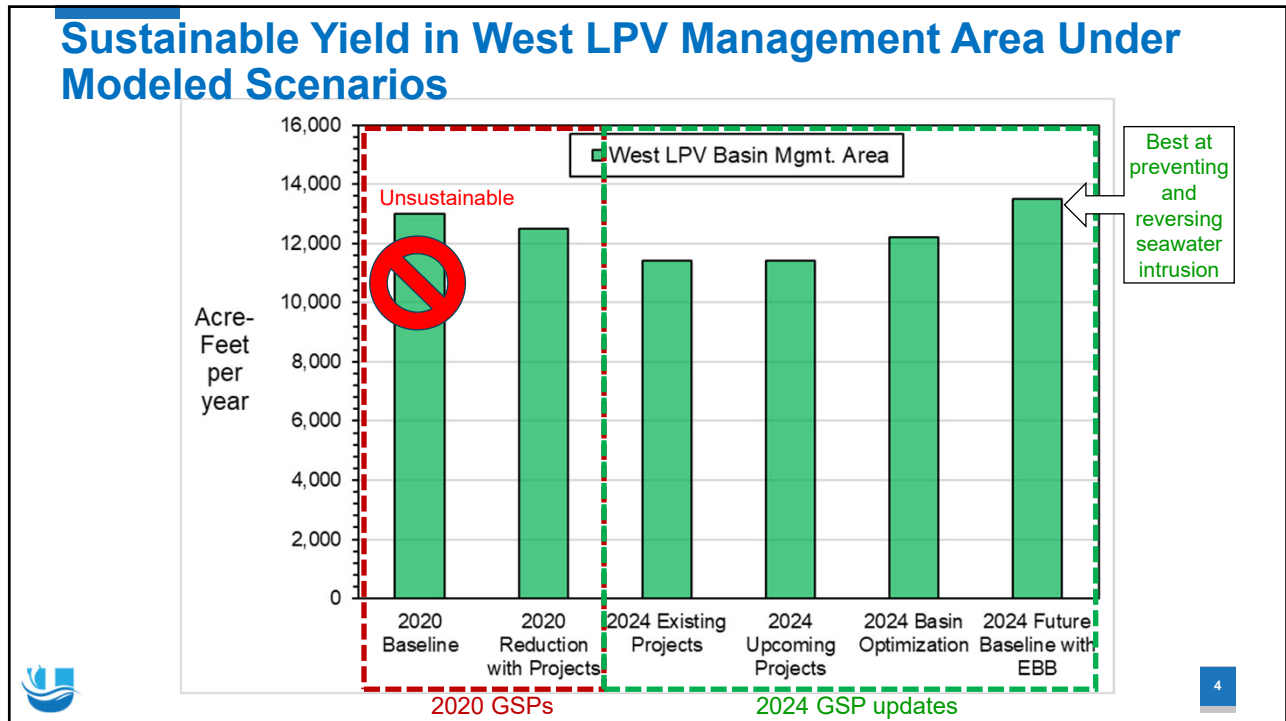
<u>2020 GSPs</u>	<u>2024 GSP Updates</u>
Baseline OPV pumping = 82,000 AFY	Baseline OPV pumping = 82,000 AFY
Assumed Near-Term Projects:	Assumed Near-Term Projects:
<ul style="list-style-type: none">• NPV Desalter• Increased Conejo Creek diversions	<ul style="list-style-type: none">• NPV Desalter• Increased Conejo Creek diversions
Assumed Future Projects:	<ul style="list-style-type: none">• Increased SWP imports by United
<ul style="list-style-type: none">• Recycled water deliveries (much)• Temporary fallowing• WLPV imported water <i>in lieu</i> of pumping	Assumed Future Projects: <ul style="list-style-type: none">• Recycled water deliveries (less)• WLPV imported water <i>in lieu</i> of pumping (?)• Freeman Expansion, Phases 1 & 2• EBB Water, Phases 1 & 2



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FCGMA's Conclusions (OPV Basins)

- Conditions are significantly better today than in 2020
 - Wet years, projects already implemented, demand reduction
- Making progress toward sustainability
 - Uncertainty remains about timing and feasibility of new projects
- EBB project now seen as having significant positive potential
 - Will require new sustainability criteria; waiting for Phase 1 data
- **“...it is unclear what legal effect the adjudication action will have on FCGMA’s continued ability to implement the GSP and sustainably manage...” the OPV Basins.**



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FCGMA's Conclusions (West LPV Mgmt. Area)

- Groundwater levels have risen in west, near United’s spreading grounds
 - Groundwater levels declining in eastern part of WLPMA, due to lack of recharge
- Current pumping = 15,700 AFY (2016-22 average)
 - Current sustainable yield = 11,400 AFY
- Basin Optimization Plan and Basin Optimization Yield Study planned by LPVB PAC and TAC
 - FCGMA will evaluate a potential “rampdown rate” (evaluation mandated by judgment)



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