YCFC&WCD BOARD OF DIRECTORS

August 2, 2022



DISTRICT

Adoption of the July 5, 2022 Regular Board Meeting Minutes

Open Forum

Guest introductions, unscheduled appearances and opportunity for public comment on non-agenda items

Adding Items to the Posted Agenda

Update on City of Woodland's Aquifer Storage and Recovery Program

WDCWA and City of Woodland Aquifer Storage & Recovery Program

August 2, 2022

Presented By: Tim Busch, PE Principal Utilities Civil Engineer, City of Woodland General Manager, WDCWA





Regional Map of Water & Wastewater Facilities



7

WDCWA Water Rights

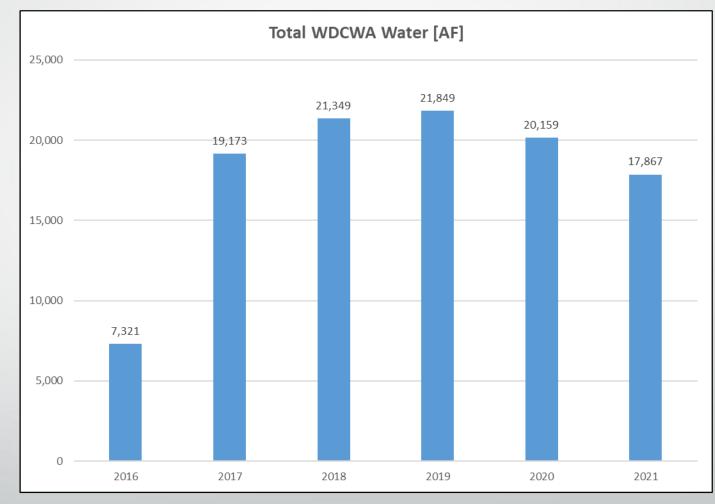
- 45,000 AF SWRCB Water Right

 Subject to Term 91 Curtailment

 10,000 AF CVP Water Right

 Restricted to use April 1 October 31
 - Shasta Critical Year

WDCWA Surface Water Supply



WDCWA surface water supply

- Water delivery to Woodland, Davis, UC-Davis
- Began delivery June 2016
- Offsets groundwater use

Woodland Water Quality

Water Quality Parameter	Finished Surface Water (Current Supply)	Groundwater (Former Supply)	Percentage Change				
Magnesium (mg/L)	5.4	48.0	89% reduction				
Chromium VI (ppb)	o (non detect)	18	Not Present				
Nitrate (as N) (mg/L)	o (non detect)	5-40	Not Present				
Total Hardness as CaCO3 (mg/L)	47 (2.8 grains)	382 (22 grains)	87% reduction				
Sodium (mg/L)	14	60	77% reduction				
Chloride (mg/L)	12	73	84% reduction				
Sulfate (mg/L)	5.0	38	87% reduction				
Total Dissolved Solids (mg/L)	105	531	80% reduction				
Specific Conductance (EC)	160	926	83% reduction				
Lead (mg/L)	o (non detect)	Non detect	Not Present				
Alkalinity (mg/L as CaCO ₃)	53	338	84% reduction				
Boron (mg/L)	o (non detect)	2.35	Not Present				

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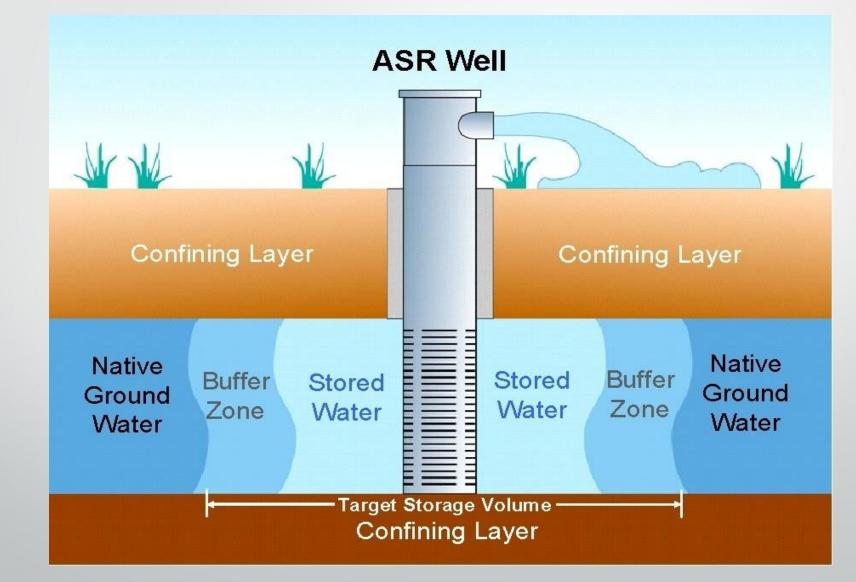
Aquifer Storage & Recovery

Why ASR

- Use of native groundwater is less than preferred
- "Right size" WDCWA facilities and water rights
- Cost is \$6M per well to permit/construct, much lower cost than a reservoir or water purchases



Aquifer Storage & Recovery



12

Woodland drinking water supply

City of Woodland

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3 wells constructed

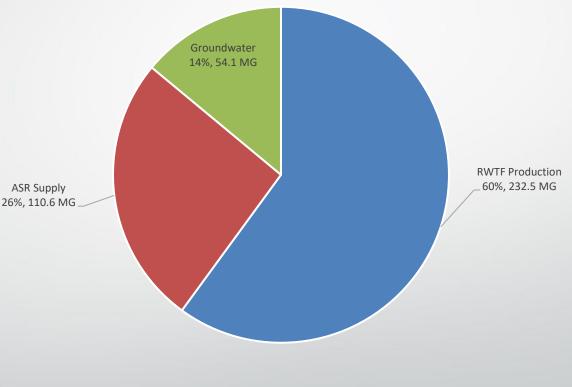
AF) this past winter

Significant water quality testing

• Stored 835 million gallons (2,560

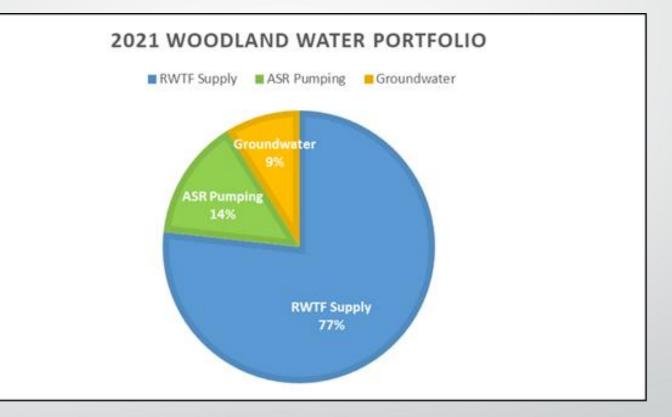
Maintains surface water quality

Woodland Water Supply Portfolio - August 2021



RWTF Production ASR Supply Groundwater

Woodland drinking water supply



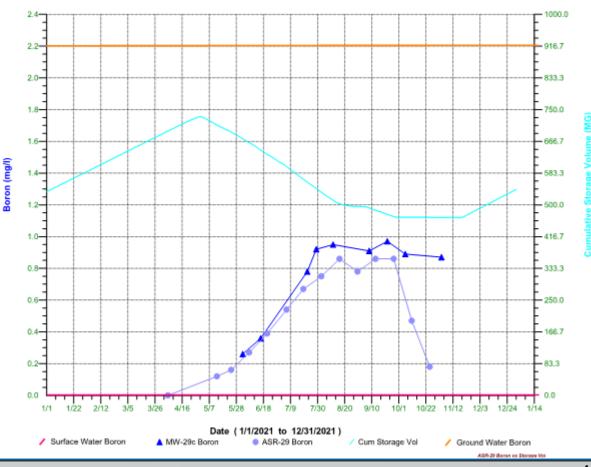
City of Woodland

- 3 wells constructed
- Significant water quality testing
- Stored 835 million gallons (2,560 AF) this past winter
 - Maintains surface water quality

Tracking stored water in ASR wells

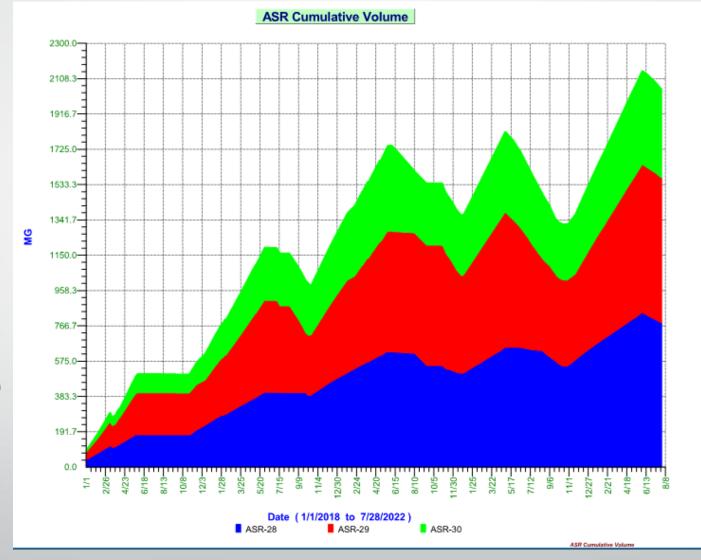
Volumetric – flow meters Hydraulic gradient tracking – monitoring wells

Constituent tracking – boron, chlorides, specific conductance, and hardness



Well 29 (Boron vs Cumulative Storage Volume)

Aquifer Storage & Recovery



City of Woodland

- 3 wells constructed
- Stored 835 million gallons (2,150 AF) this past winter
- Peak storage was 2.1 billion gallons June 3, 2022 (6,600 AF)

Questions?

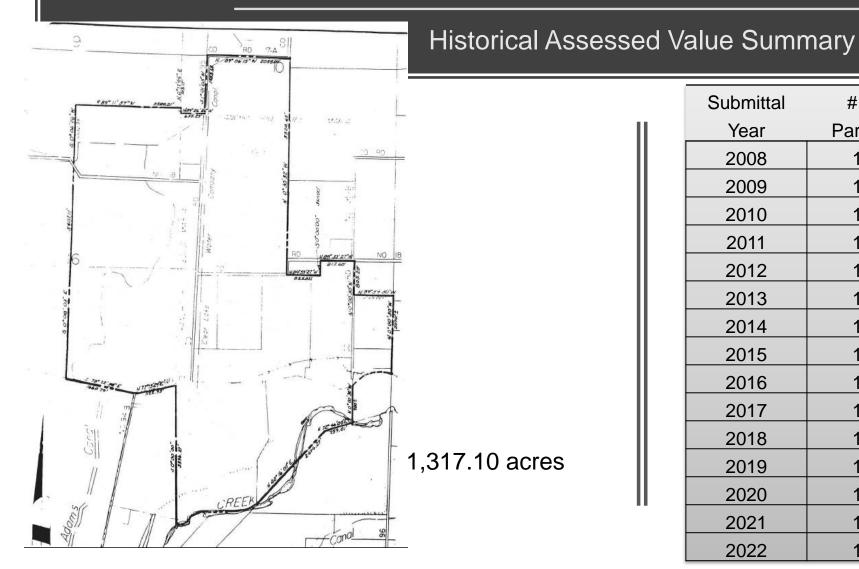
Tim Busch

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Contact Information: <u>tim.busch@citvofwoodland.org</u> 530.661.5963

Adopt Resolution 22.02 Requesting Collection of Charges on Tax Roll

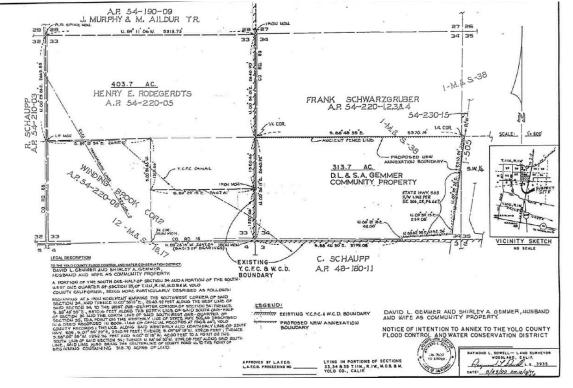
1990 East Adams Annexation



Submittal	# of	Total	% Change
Year	Parcels	A.V.	in A.V.
2008	18	\$4,774,196	
2009	18	\$5,276,008	10.51%
2010	18	\$5,500,318	4.25%
2011	18	\$5,748,882	4.52%
2012	18	\$5,880,809	2.29%
2013	18	\$6,641,028	12.93%
2014	18	\$7,056,102	6.25%
2015	18	\$7,084,339	0.40%
2016	18	\$8,580,312	21.12%
2017	18	\$9,059,733	5.59%
2018	18	\$9,180,456	1.33%
2019	18	\$8,916,433	-2.88%
2020	18	\$9,375,674	5.15%
2021	18	\$9,035,560	-3.63%
2022	18	\$9,355,585	3.54%

2000 Hungry Hollow Annexation

Historical Assessed Value Summary

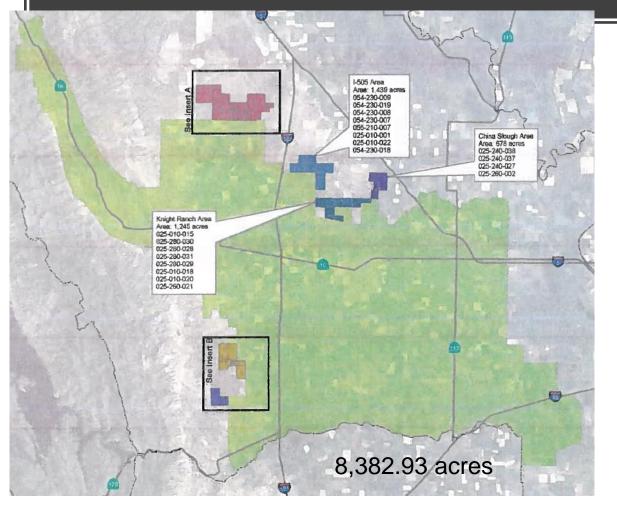


313.70 a	acres
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Year	# of Parcels	Total A.V.	% Change
2008	3	\$2,375,586	
2009	3	\$3,596,031	51.37%
2010	3	\$3,646,148	1.39%
2011	3	\$3,692,664	1.28%
2012	3	\$3,936,934	6.62%
2013	3	\$3,894,777	-1.07%
2014	3	\$4,284,566	10.01%
2015	3	\$4,260,498	-0.56%
2016	3	\$5,201,352	22.08%
2017	3	\$5,613,466	7.92%
2018	3	\$6,824,197	21.57%
2019	3	\$6,843,950	0.29%
2020	3	\$5,535,945	-19.11%
2021	3	\$5,858,150	5.82%
2022	3	\$2,957,473	-49.52%

2012 Annexation

Historical Assessed Value Summary



	Number of	Total	Change
Year	Parcels	A.V.	in A.V.
2015	62	\$63,644,386	
2016	62	\$71,263,355	11.97%
2017	62	\$80,304,190	12.69%
2018	62	\$84,828,009	5.63%
2019	62	\$70,439,142	-16.96%
2020	62	\$83,944,610	19.17%
2021	63	\$83,459,110	-0.58%
2022	63	\$86,152,474	3.23%

Receive Update from Finance Committee and Authorize Chair to Appoint Ad Hoc Outreach Committee

Plan to Recover Infrastructure Funds & Stabilize District Finances

Groundwater is critical to agriculture worldwide. Rungroj Youbang/Shutterstock

<u>LWA Schedule – Phase 1</u>

- Task 1.1
 - Kickoff Meeting to review goals, criteria, and parameters: 3/3
 - Research and beneficiary identification end of March
 - Meeting 2: 3/14 or 3/28
 - TM Prep draft to District on 4/25
- Task 1.2
 - Research options / coordinate with YSGA (3-4 weeks): 5/18 (1 Meeting)
 - Evaluate options and coordinate with District end of May (1 Meeting)
 - TM Update draft to District by 6/17
- Task 1.3
 - Develop recommendations / coordinate / develop preliminary recommendations (2 Meetings): 6/30
 - Meeting to review recommendations end of June
 - TM Update Final draft to District by 7/15

****** Schedule dependent on timeliness of coordination among all parties, expectations from District staff on the coordination element of work, and the information exchange process.

Phase 2 Implementation

- Expected to take 6-8 months
- LWA's Scope of Work to be developed based on District supported recommended actions identified in Phase 1
 - In Phase 1, the Board will define the External Committee (members/roles, etc.) for assisting with the evaluation process
- In Phase 2, the Board will utilize the External Committee to evaluate the preferred alternative
 - Outreach and Public Engagement Campaign with the Community as a whole
- Direct Bill to Customers versus Property Tax Collection
 - Proposition 218/26 Considerations (Water Exemption does not require ballot proceeding) increase current structure, maintenance fees, groundwater pumping charge, etc.
 - Secured Property Tax Roll Collection (for collection on FY 22/23 property tax bills needs to be completed by 8/2022) standby/water availability charge or groundwater recharge assessment

** Schedule dependent on timeliness of coordination among all parties, expectations from District staff on the coordination element of work, and the information exchange process.



Revenue Evaluation and Analysis Tech Memo Review of Funding Options and Next Steps

YCFC&WCD Board of Directors

August 2, 2022

Problem Statement

- District's budget largely relies on agricultural water sales
- Current rate structure is limiting in the following ways:
 - Water Sales Volatility
 - Capital Investment Reserves
 - Groundwater Revenue Streams

Evaluation Approach

Problem Finding	 Stabilize Revenue, develop capital reserves, identify groundwater recharge benefits Identify constraints and important considerations wrt potential solutions
$\langle \rangle$	
	 Review District's historical finances Develop expense pro forma using FY22/23, adjusting for atypical expenses (use a five-yr average instead) Classify expenditures into service areas (water, recreation, groundwater, flood control; Spread G&A proportionately
Pro Forma -	• Remove depreciation expense; add new capital reserve fund
Expenses	Add basic escalation of 3%
$\land \land \land$	• Set water sales (AF) based on 10-yr average
	 Set reservoir level based on a 10-yr average, which is sufficient storage to meet demand without allocations
Pro Forma -	 Other Revenue based on 10-yr average with some adjusted down or up based on future expectations. E.g. one-year flood grants are removed
Revenue	 Includes the YC property tax apportionment, escalated at 2%.

Evaluation Approach

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	• Apportion Non-Op Revenue: Non-operating revenue is primarily comprised of YC property tax apportionment. This was used to first offset non-operating expenses and then to operating expenses to determine how much could cover agricultural water-related expenses
Est Ag Water	 Combine all pro forma steps to determine the revenue gap
Revenue Gap	• Add a drought contingency calculation on top of pro-forma revenue gap.
Alternatives Comparison	 Prepare a summary of the District's authority and regulatory requirements (e.g. under Prop 218) Prepare quantitative alternative for utilizing current water rate approach Prepare qualitative alternative comparison for various other approaches Consider constraints and objectives and Pros/cons

Revenue Gap

Table 8YCFCWCD Revenue Evaluation and AnalysisAgricultural Water Sales Flow of Funds

				Pro Forn	na ۱	(ears		
Flow of Funds - Ag Water	Pro	Forma Base	Yr 1	Yr 2		Yr 3	Yr 4	Yr 5
Ag Water Operating Expenses	\$	5,388,214	\$ 5,549,860	\$ 5,716,356	\$	5,887,847	\$ 6,064,482	\$ 6,246,416
Ag Water Rate Revenue	\$	3,797,604	\$ 3,797,604	\$ 3,797,604	\$	3,797,604	\$ 3,797,604	\$ 3,797,604
Net Ag Water Expense	\$	1,590,609	\$ 1,752,256	\$ 1,918,751	\$	2,090,242	\$ 2,266,877	\$ 2,448,812
Total Non-Operating Rev Avail to Offset								
Ag Water Expenses - from Table 7	\$	1,178,682	\$ 1,172,024	\$ 1,164,849	\$	1,157,137	\$ 1,148,864	\$ 1,140,008
Net Ag Water Surplus/(Deficit)	\$	(411,927)	\$ (580,232)	\$ (753,902)	\$	(933,105)	\$ (1,118,013)	\$ (1,308,804)
Begin Balance	\$	-	\$ (411,927)	\$ (992,159)	\$	(1,746,061)	\$ (2,679,166)	\$ (3,797,179)
End Balance	\$	(411,927)	\$ (992,159)	\$ (1,746,061)	\$	(2,679,166)	\$ (3,797,179)	\$ (5,105,983)
% of Ag Water Operating Revenue		-11%	-15%	-20%		-25%	-29%	-34%

Revenue Gap – with Drought Contingency

Table 9

YCFCWCD Revenue Evaluation and Analysis

Agricultural Water Sales Flow of Funds with Drought Contingency

						Pro Form	na `	Years				
Flow of Funds - Ag Water	Pro	Forma Base		Yr 1		Yr 2		Yr 3		Yr 4		Yr 5
Ag Water Operating Expenses	\$	5,388,214	\$	5,549,860	\$	5,716,356	\$	5,887,847	\$	6,064,482	\$	6,246,416
Ag Water Rate Revenue	\$	3,797,604	\$	3,797,604	\$	3,797,604	\$	3,797,604	\$	3,797,604	\$	3,797,604
Net Ag Water Expense	\$	1,590,609	\$	1,752,256	\$	1,918,751	\$	2,090,242	\$	2,266,877	\$	2,448,812
Total Non-Operating Rev Avail to Offset	ė	4 470 600	Å	4 472 024	÷	1 1 6 4 0 4 0	ć	4 457 407	¢	4 4 4 9 9 6 4	Å	1 1 10 000
Ag Water Expenses - from Table 7	\$	1,178,682	\$	1,172,024	\$	1,164,849	\$	1,157,137	\$	1,148,864	\$	1,140,008
Drought Contingency Reserve Expense	\$	300,000	\$	300,000	\$	300,000	\$	300,000	\$	300,000	\$	300,000
Net Ag Water Surplus/(Deficit)	\$	(711,927)	\$	(880,232)	\$	(1,053,902)	\$	(1,233,105)	\$	(1,418,013)	\$	(1,608,804)
Begin Balance	\$	-	\$	(711,927)	\$	(1,592,159)	\$	(2,646,061)	\$	(3,879,166)	\$	(5,297,179)
End Balance	\$	(711,927)	\$	(1,592,159)	\$	(2,646,061)	\$	(3,879,166)	\$	(5,297,179)	\$	(6,905,983)
% of Ag Water Operating Revenue		-19%		-23%		-28%		-32%		-37%		-42%

Authority/Limitations

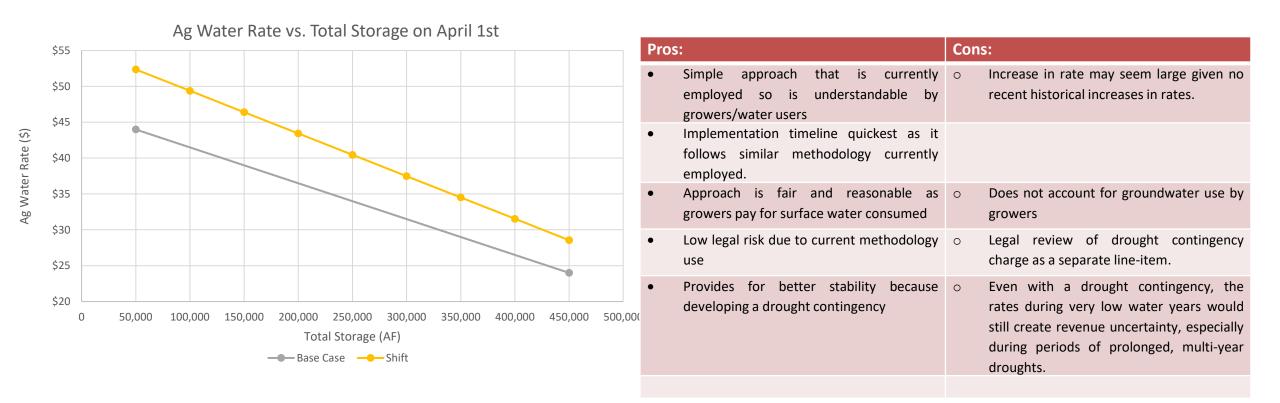
- Funding authority from District supplied legal memos:
 - Under the District Act, the District is empowered to form zones within the district and levy assessments on land within those zones. (Water Code App., Sec 65-15-65-15.5)
 - The District may levy taxes on real property within a zone created by the District in order to raise revenue to pay any District obligation. (Water Code App. Sec 65-12, 65-13, 65-30.)
 - The District also may fix rates and charges "...for water, service and benefit from its operations..." to pay operating expenses, repairs and depreciation, interest on bonded debut, principal on bonded debt, and for constructing, maintaining, operating, and purchasing or leasing works that provide that water service and benefit. (Water Code App. Sec 65-27.5, subd. (a)-(e).)
 - Further, the District may impose groundwater charges (Water Code App, Sec 65-4.1 through 65-4.8) and water standby and availability charges (Water Code App, Sec 65-27.6).
 - The District Act defines the jurisdictional boundaries of the District. (Water Code App., Sec 65-1.)
 The District may impose assessments, fees, charges, and special taxes only within its jurisdictional territory.

Authority/Limitations

- Propositions 13, 218, and 26 provide the framework for which the District must comply when imposing any fees, charges, assessments, and special taxes.
 - Proposition 218 lays out the constitutional limitations and requirements for implementing property-related charges, requiring noticing, protest proceedings or balloting.
 - Aside from Prop 218, other fees can be adopted by the governing agency, under **Proposition 26** given the applicability of certain exemptions.

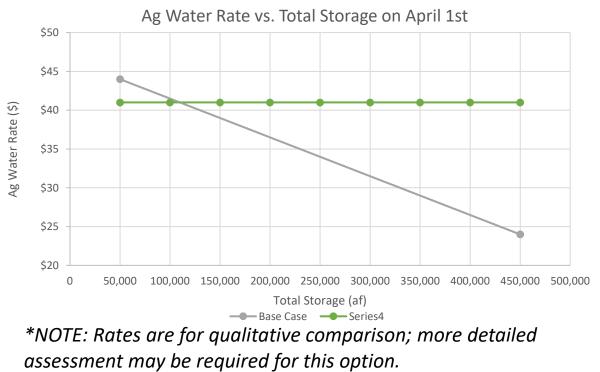
Funding Structure Options – OPTION 1

Increase Current Rate Structure by Percentage



Funding Structure Options – OPTION 1B

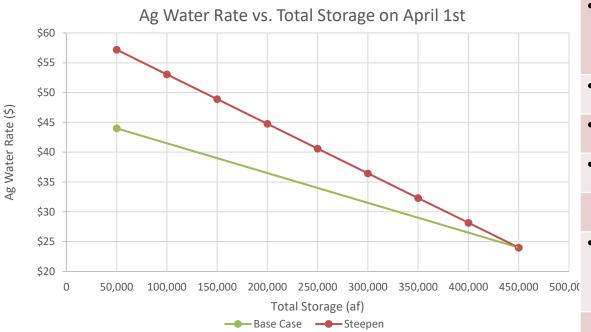
- Flat rate across all storage levels
- Not in TM but added here for comparison purposes



Pros:	Cons:
Simple approach	 Perception of much higher rates than current during season with high total storage.
 Implementation timeline quickest as it follows similar rate study methodology. 	
 Approach is fair and reasonable as growers pay for surface water consumed. 	 Does not account for groundwater use by growers.
	• Legal review of drought contingency charge as a separate line-item.
 Provides for better stability because developing much higher revenues during periods of high storage 	 Even with a drought contingency, the rates during very low water years would still create revenue uncertainty, especially during periods of prolonged, multi-year droughts.

Funding Structure Options – OPTION 2

• Increase Rate at Low Storage Pools

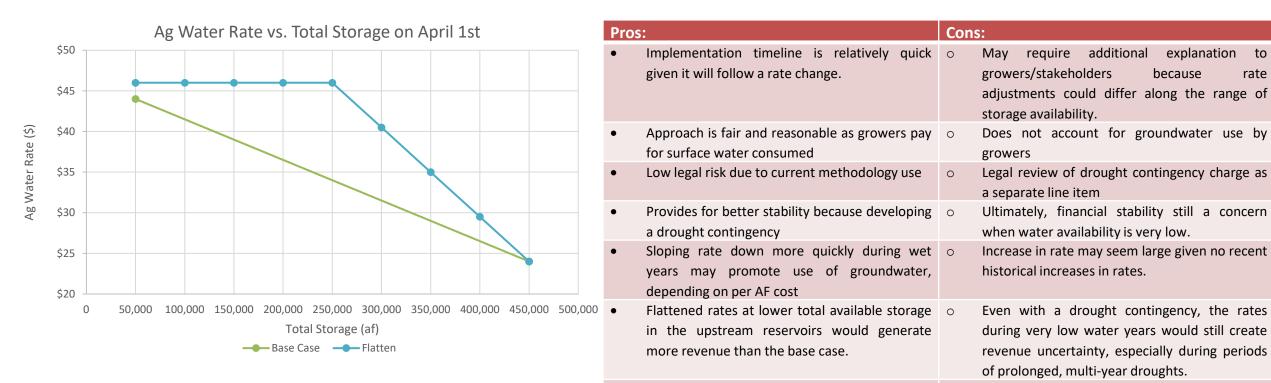


*NOTE: Rates are for qualitative comparison; more detailed assessment may be required for this option.

	Pros:	Cons:
	• Implementation timeline is relatively quick given it will follow a rate change.	 May require additional explanation to growers/stakeholders because rate adjustments could differ along the range of storage availability.
_	• Approach is fair and reasonable as growers pay for surface water consumed	 Does not account for groundwater use by growers
	• Low legal risk due to current methodology use	• Legal review of drought contingency charge as a separate line item
_	• Provides for better stability because developing a drought contingency	• Ultimately, financial stability still a concern when water availability is low.
_		• Increase in rate may seem large given no recent historical increases in rates.
0,00	• High rates at lower total available storage in the upstream reservoirs would generate more revenue than the base case during low water years.	 Even with a drought contingency, the rates during very low water years would still create revenue uncertainty, especially during periods of prolonged, multi-year droughts.
		 Rate structure may push more water users to pull groundwater during periods of low water availability due to the steam cost/AF.

Funding Structure Options – OPTION 3

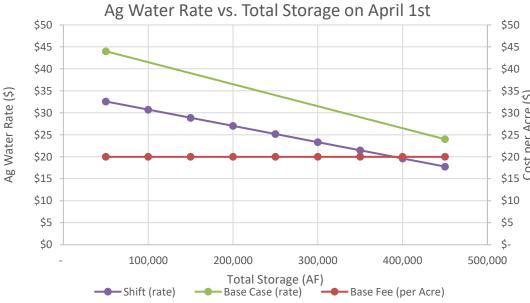
• Flatten Rates During Low Storage Pools



*NOTE: Rates are for qualitative comparison; more detailed assessment may be required for this option.

Funding Structure Options – OPTION 4

• Combined Fixed Amount and Water Toll



*NOTE: Rates are for qualitative comparison; more detailed assessment may be required for this option.

Pros	5:	Cons:
•	If fixed charge is considered part of the water fee and falls under a Prop 218 fee, implementation could be relatively quick	 If fixed charge is considered a Standby Fee and falls under a Prop 218 special benefit assessment, implementation would require a 50% approval threshold which would require more extensive outreach.
		 Requires further analysis to define fixed amount and water toll; will require more complicated methodology and engineer's report.
•	Approach keeps water toll low because spreads the base costs across beneficiaries whether utilize surface water or not. Captures revenue from some properties benefitting from groundwater augmentation without imposing groundwater fee.	 Approach requires payment of a base fee which may be seen as unfair to those not utilizing surface water
•	Provides more stability during years of low water availability	
•	Stakeholder support may be more favorable because variable rate of water would be lower	• Legal risk could be higher given 218 requirements to only pay for services provided

Funding Structure Options – OPTION 5

• Impose Special Taxes

Pros	5:	Cons:
•	Approach doesn't require as much analytical rigor and data is easily obtainable from county assessors	 Implementation requires a much higher approval threshold, requiring extensive outreach
		 Charges for non-water users and/or non- irrigatable land would be met with resistance
•	Benefits provided support the entire population, even if only indirectly, given economic necessity of agriculture in Yolo County.	• Less fair approach due to broad charges
•	Provides the highest level of financial stability	• Higher taxes for all may be unaffordable
•	Surface water users and current payors would benefit because costs are distributed across a larger payor base	
•	Low legal risk under constitutional requirements set forth under Prop 218	

Funding Structure Options – Groundwater Considerations & YSGA

- No re-occurring groundwater related revenue; current projections assumed from property tax apportionment.
- Lost revenue due to canal seepage not considered in rate options
- Groundwater related revenue options:
 - YSGA related:
 - Fees/Charges for regulatory requirements under SGMA
 - Fees/Charges/Assessments for YSGA-related project implementation
 - Not part of evaluation as requires further alignment with YSGA; doesn't affect ag water rates/assessments
 - Groundwater charge
 - Not to exceed \$2/acre-foot in accordance with District Act
 - In accordance with the benefits to the ground water supply of the various lands and zones

Funding Structure Options

Preliminary Funding
 Approach Comparison

				F	arameter	5			_
n		Implementation Timeline	Revenue Administration	Equity	Financial Stability	Affordability	Stakeholder Support	Legal Risk [2]	
	Option 1: Increase Current Water Toll Structure (Base Case)								
les	Option 2: Single Water Toll / Steepend Rate Line	ο	о	о	o/+	(-)	(-)	о	
proach	Option 3: Single Water Toll / Flatten Rate Curve	0	о	0	o/+	о	(-)	ο	
Funding Approaches	Option 4: Fixed Amount & Water Toll <i>(218 Fee)</i>	0	(-)	+	+	+	(-)	(-)	
ů.	Option 4: Fixed Amount & Water Toll (218 Assessment)	(-)	(-)	+	+	+	(-)	+	
	Option 5: Special Property Tax (218)	(-)	(-)	(-)	+	+	(-)	+	

Parameters

[1] Scale Compared to Base Case: + (more advantageous), o (neutral), (-) (less advantageous), o/+ (slightly more advantageous)

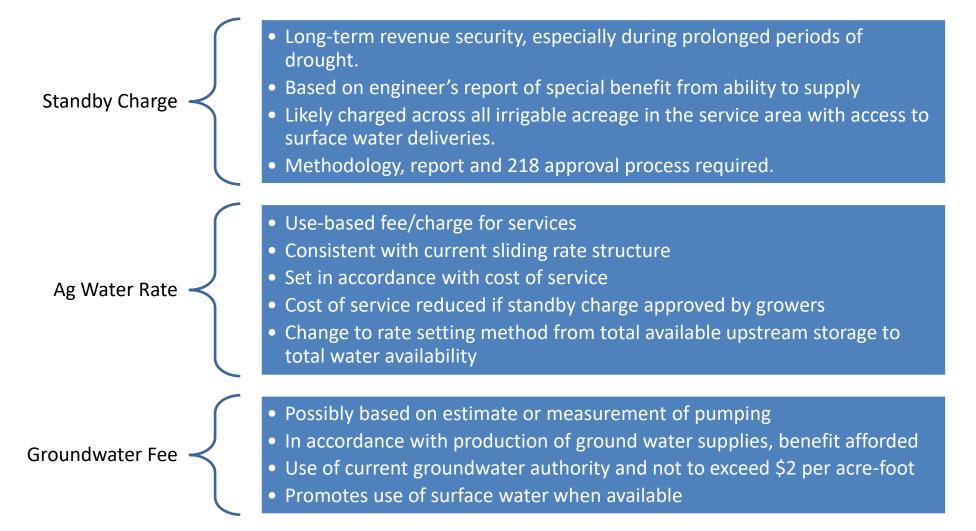
[2] Subject to methodology and legal coordination

Recommended Funding Structure

Improve revenue stability through three-prong structure:

- 1. Fixed annual standby charge on property that can receive water from the District
 - Baseline revenue to align with annual costs incurred regardless of water supply conditions
- 2. Variable water rate fee based on current rate structure
 - Variable revenue aligned with variable expenses to deliver water
- 3. Groundwater augmentation charge
 - Offset revenue loss from canal seepage

Recommended Funding Structure

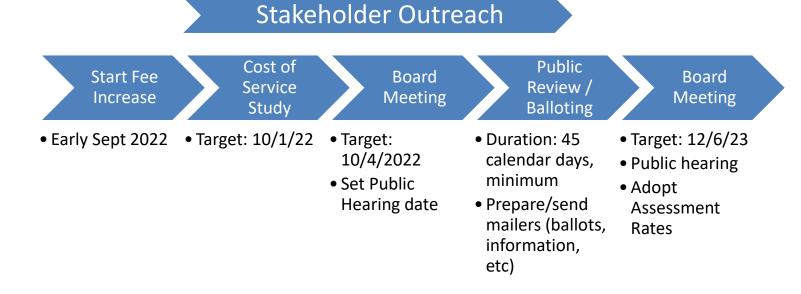


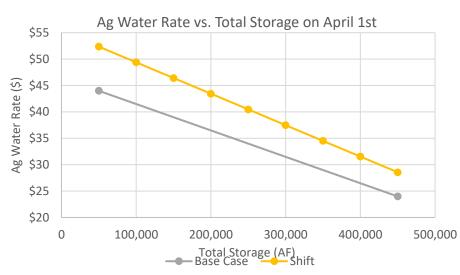
Recommended Implementation Approach

- 1. Ag Water revenue must be increased to cover current cost of service regardless of which rate structure is chosen.
- 2. Propose new Ag Water rate based on current rate structure (Option 1)
 - Prepare cost of service study (Fall 2022) and conduct Prop 218 protest hearing (Fall/Winter 2022)
 - Can be adopted if there is not a majority protest
- 3. Propose Standby Charge with reduced Ag Water Rate (Option 4)
 - Prepare Engineer's Report (Fall/Winter 2022) and conduct Prop 218 ballot proceeding (Winter/Spring 2023)
 - Can be adopted if weighted votes approve
- 4. Adopt new Ag Water rate based on grower approvals (March 2023)
 - If Standby Charge approved, adopt annual charge and associate Ag Water rate
 - If Standby Charge is not approved, adopt new Ag Water rate based on existing structure
- 5. Groundwater augmentation charge (Defer until after March 2023)
 - Perform further analyses and develop basis for charge
 - Consider adoption in March 2024

Funding Structure Potential Path Forward

• Prop 218 water rate fee protest vote process/timeline

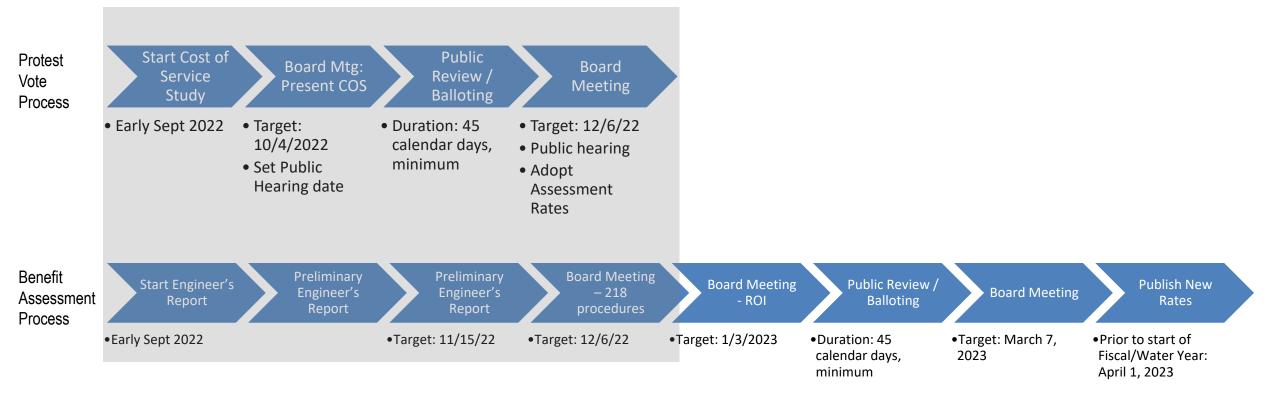


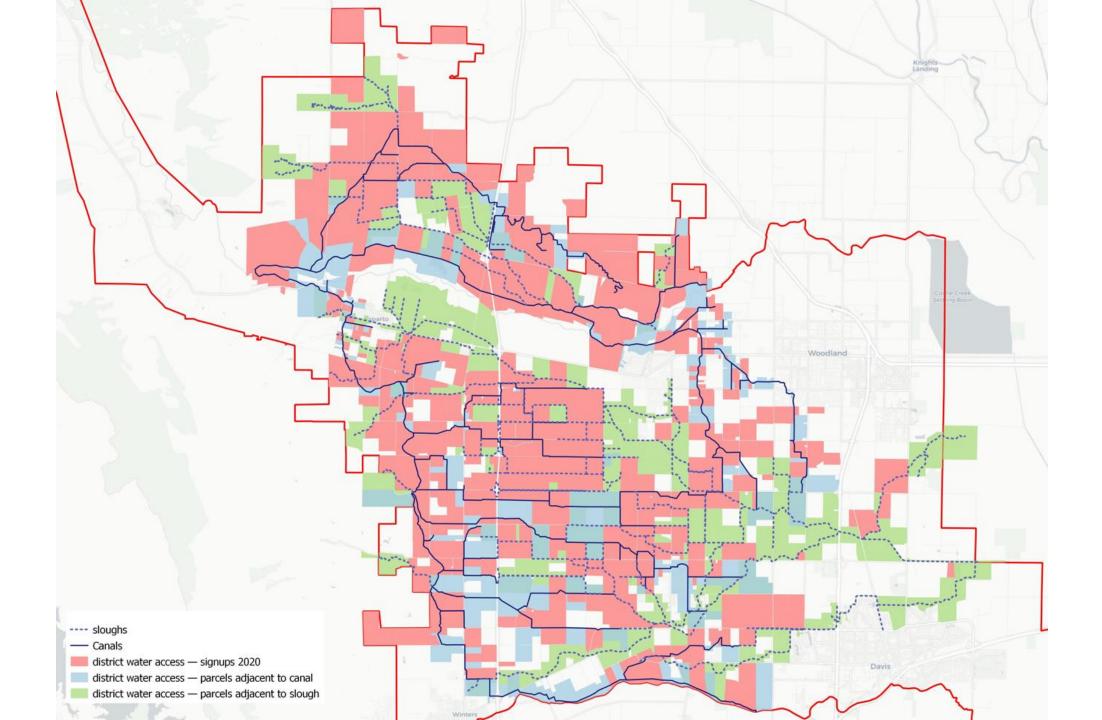


Ag Water Rate vs. Total Storage on April 1st \$50 \$50 Funding Structure Potential Path Forward \$45 \$45 \$40 \$40 \$35. \$35 Water Rate (\$) \$30 \$25 \$25 \$20 \$20 \$20 \$15 O \$30 \$25 \$20 Special benefit assessment process/timeline • ☆ \$15 \$10 \$10 \$5 \$5 \$0 Ś-100.000 200.000 300.000 400.000 500,000 Total Storage (AF) ----- Base Case (rate) Stakeholder Outreach **Prepare Engineer's Report** Preliminary Public Public Board Board Board Publish New Engineer's Start Review / Meeting Review Meeting Meeting Rates Report Balloting • Early Sept 2022 • Target: March 7, • Prior to start of • Target: • Target: 12/6/22 • Duration: 1 • Target: • Duration: 45 11/15/22 month 1/3/2023 2023 Fiscal/Water calendar days, Introduce minimum Year: April 1, • Benefit Methodology Public Review • Set Public • Public hearing 2023 allocation and Prop 218 of Preliminary Hearing date • Prepare/send Adopt Engineer's mailers (ballots, methodology Process Preliminary Assessment information, Report • Resolution: approval of Rates etc) Adopt Prop 218 • Finalize Engineer's • Approval Final Preliminary Report Procedures Engineer's Engineer's Resolution of Report Report Intention

Funding Structure Potential Path Forward

• Protest vote & special benefit assessment processes/timeline overlap





Directors' Reports

Report on Meetings and Conferences Attended During the Prior Month on Behalf of the District

i. Finance Committee Meeting (July 20) ii. Meeting with Congressman Thompson (July 25) iii. NCWA Meetings

Attorney's Reports

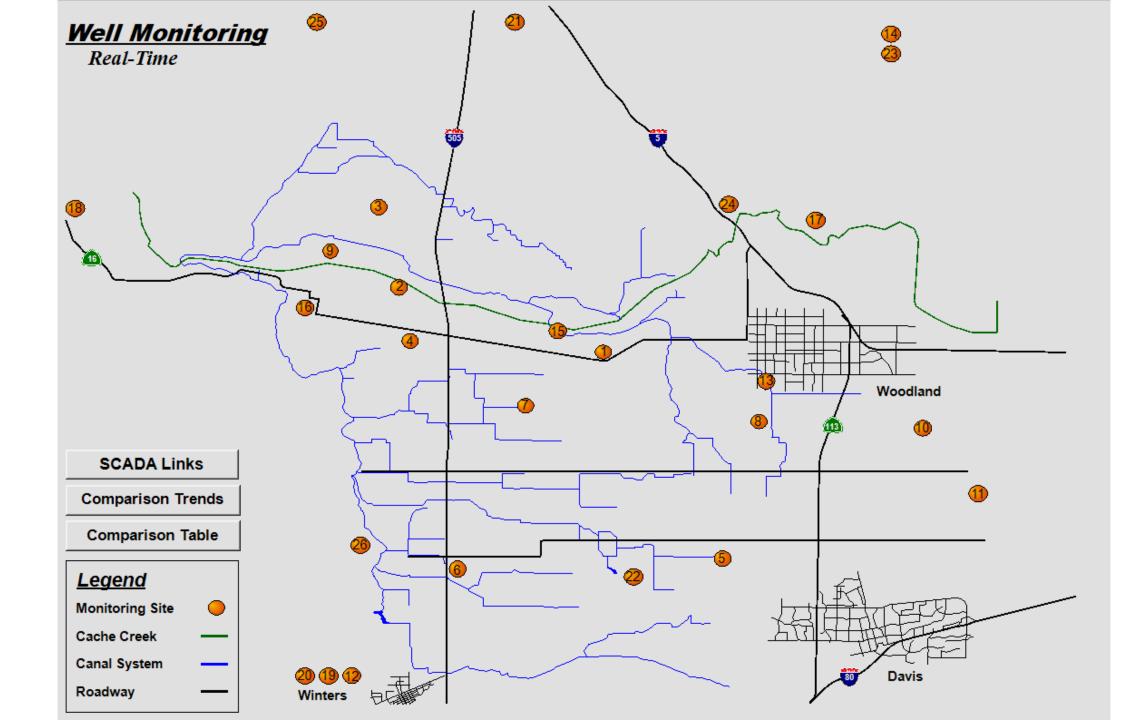
Report on Legal Matters of Concern to the District

General Manager's Report

- Water Conditions Report
- Financial Report Summary
- Capital Improvement Program
- General Activities
- YSGA Update
- Upcoming Events

Current Water Conditions (08-02-22)

	Elevation	<u>Available</u>	<u>2021</u>
Clear Lake			
 August 2 	-1.19'	0 AF	-1.00' (0 AF)
 July 2 	-0.63'	0 AF	
 Total Loss 	-0.56'	0 AF	
Indian Valley Reservoir			
 August 2 	1,392.39'	48,100 AF	1,361.64' (19,490 AF)
 July 2 	1,393.29'	49,270 AF	
 Total Loss 	-1.00'	-1,170 AF	



	Depth	to Wate	er Histor	rical Co	ng mpariso	n			SCA	DA Links	<u>s</u>	Well	Мар
	Well	2010	<u>2011</u>	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	2020	202
e e	1.	95.7	93.8	97.4	107.0	127.7	128.1	120.9	108.3	110.3	104.7	112.2	142.4
	2.	44.6	45.4	41.4	54.3	53.7	54.8	49.3	29.7	33.9	30.3	32.0	42.2
with the second se	3.		40.0	46.0	52.4	82.3	73.4	62.4	39.3	44.5	37.8	43.5	70.3
	4.		32.1	39.2	46.0	57.6	61.5	52.1	33.9	33.6	35.1	33.9	56.2
	5.		15.6	15.3	18.6	34.1	35.3	36.3	22.5	25.8	17.3	21.1	35.3
	6.			55.2	59.0	93.1	73.5	62.4	48.2	47.1	42.2	42.7	71.1
Woodland	7.					39.9	47.1	26.0	17.3	21.5	17.8	24.3	47.3
	8.					91.3	88.5	85.0	65.0	73.9	57.5	67.1	86.5
	9.					73.4	69.2	57.9	41.8	45.0	40.6	44.0	63.0
	10.						115.3	129.0	77.4	131.2	98.1	127.0	133.6
	11.						33.6	33.2	18.6	32.4	20.6	30.9	35.9
	12.										125.2	136.5	145.0
	13.									125.8	95.2	112.8	137.7
Davis	14.									10.1	9.4	10.3	13.8
,	15s.									41.3	35.7	38.5	50.1
	15d.									157.2	143.6	162.5	252.3
	16.										39.0	40.9	50.7
	17.										21.0	23.6	32.9
	18.										58.7	73.7	118.6
	19.				_						174.6	181.4	197.2
	20.										198.8	199.0	199.1
	21.											127.4	137.3
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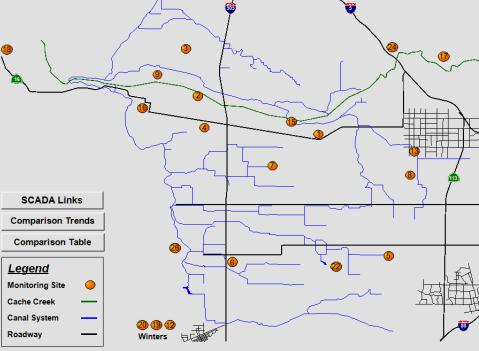
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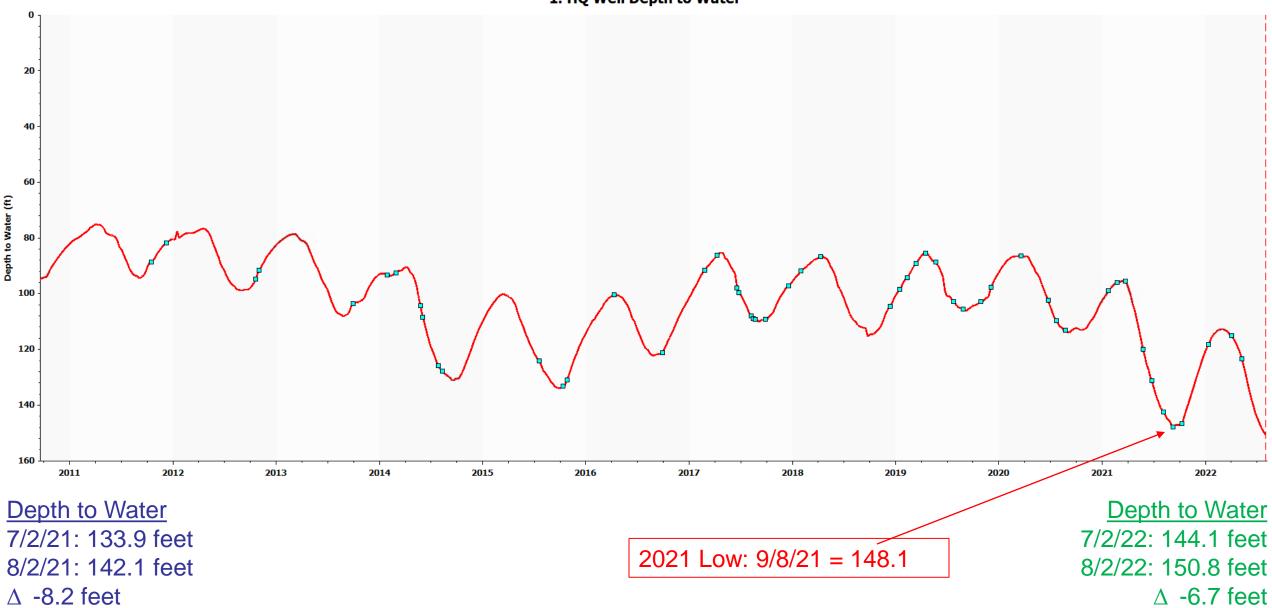
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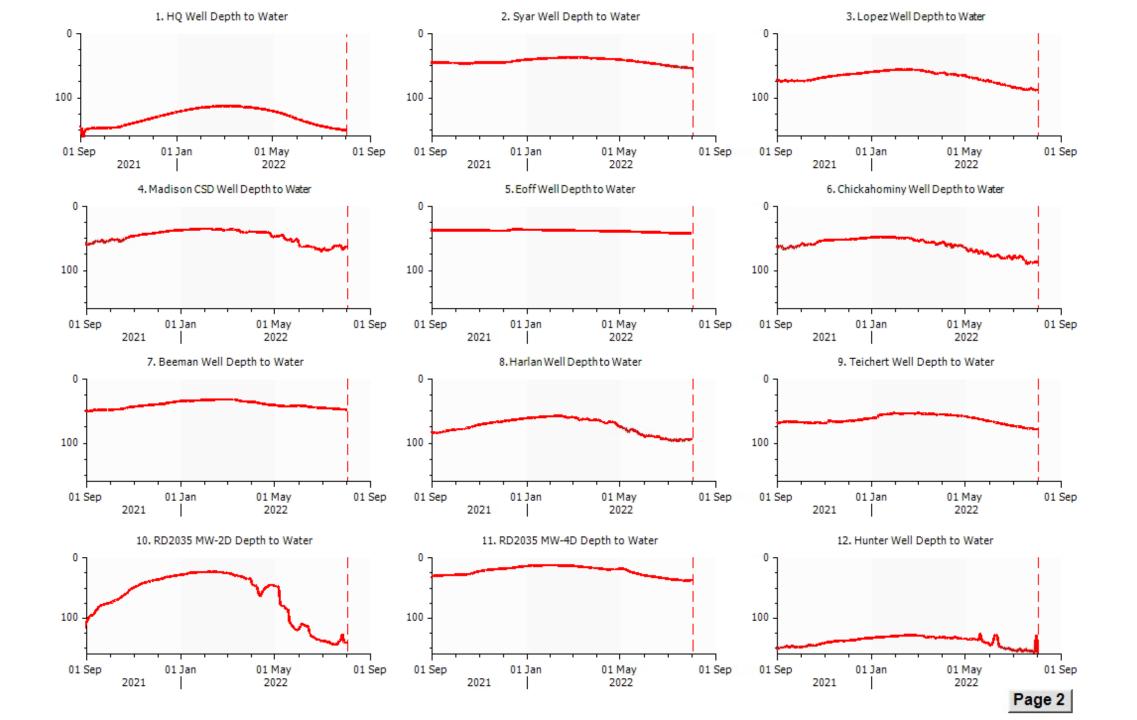
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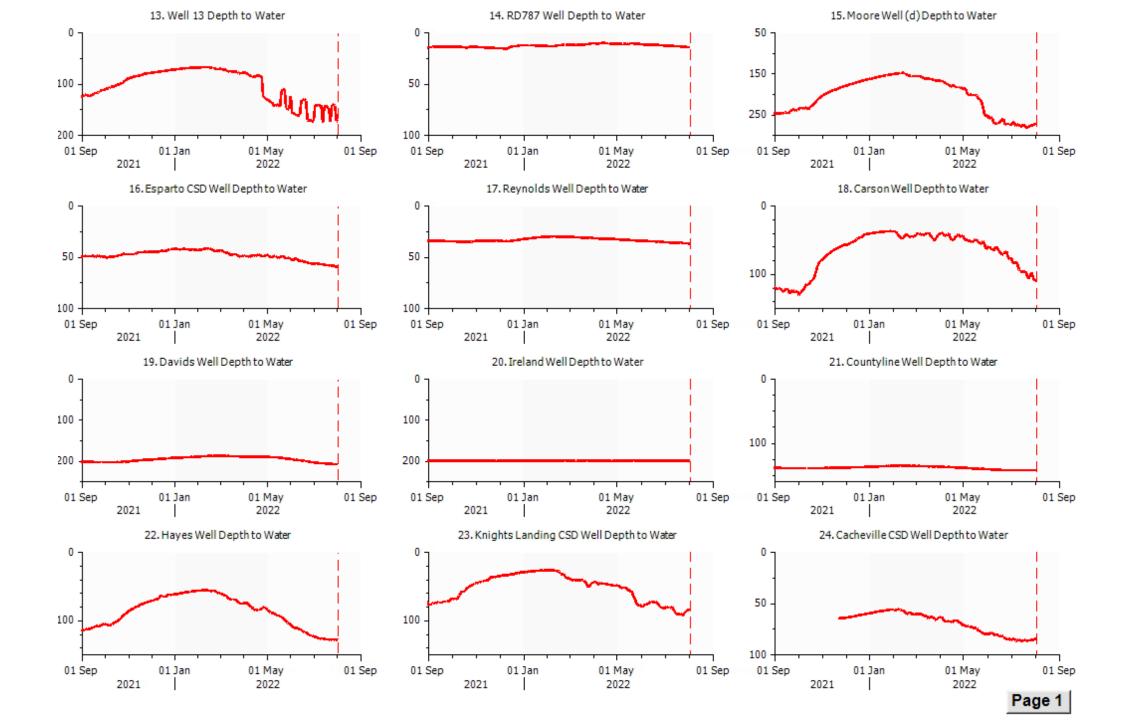


25

Well Monitoring Real-Time

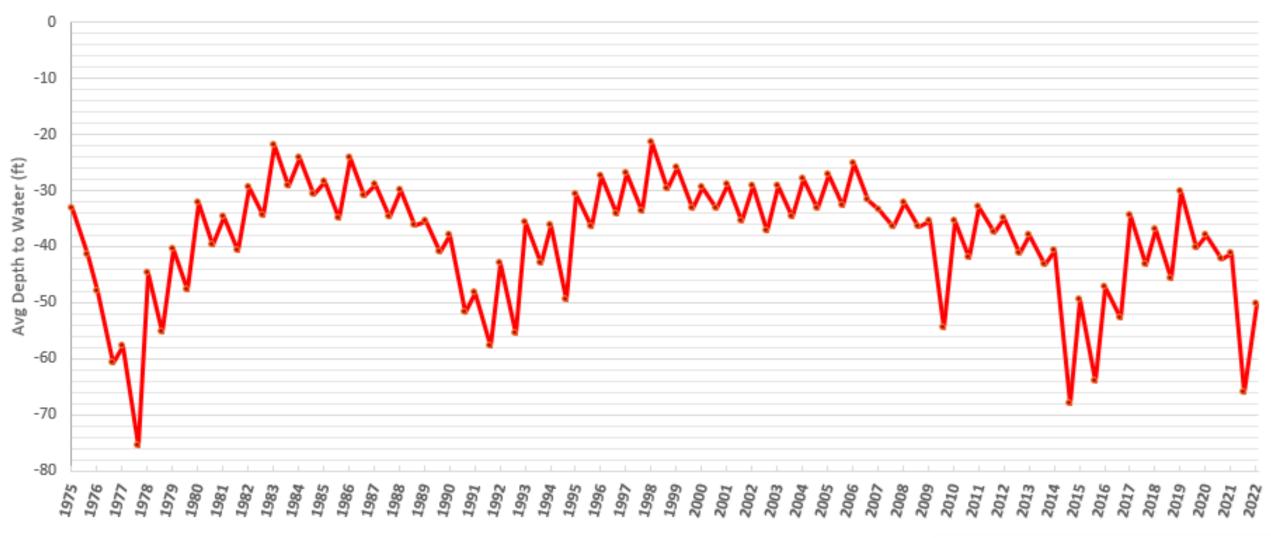






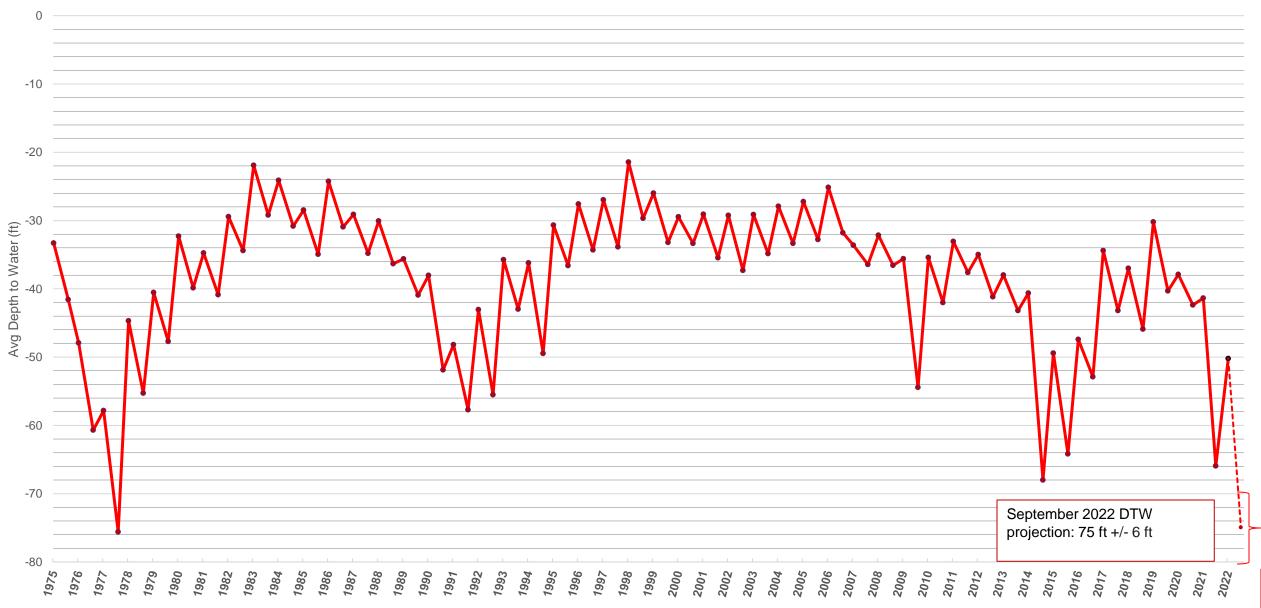
YCFCWCD Average Groundwater

Depth by Season (Spring 2022 is 131 wells)**



YCFCWCD Projected Average Groundwater

Depth by Season (Spring 2022 is 131 wells)**



Curtailments Expanded throughout the Delta Watershed

From the State Water Resources Control Board:

This email contains important information about the curtailment status of water rights and claims of right within the Sacramento-San Joaquin Delta (Delta) watershed pursuant to Initial Orders Imposing Water Right Curtailment and Reporting Requirements in the Delta Watershed (Order for water rights/claims under 5,000 acre-feet and Order for water rights/claims over 5,000 acre-feet).

The following water rights are curtailed, effective June 8, 2022, unless and until the State Water Board advises that this determination has been updated:

1. Water rights and claims on the following Sacramento River tributaries:

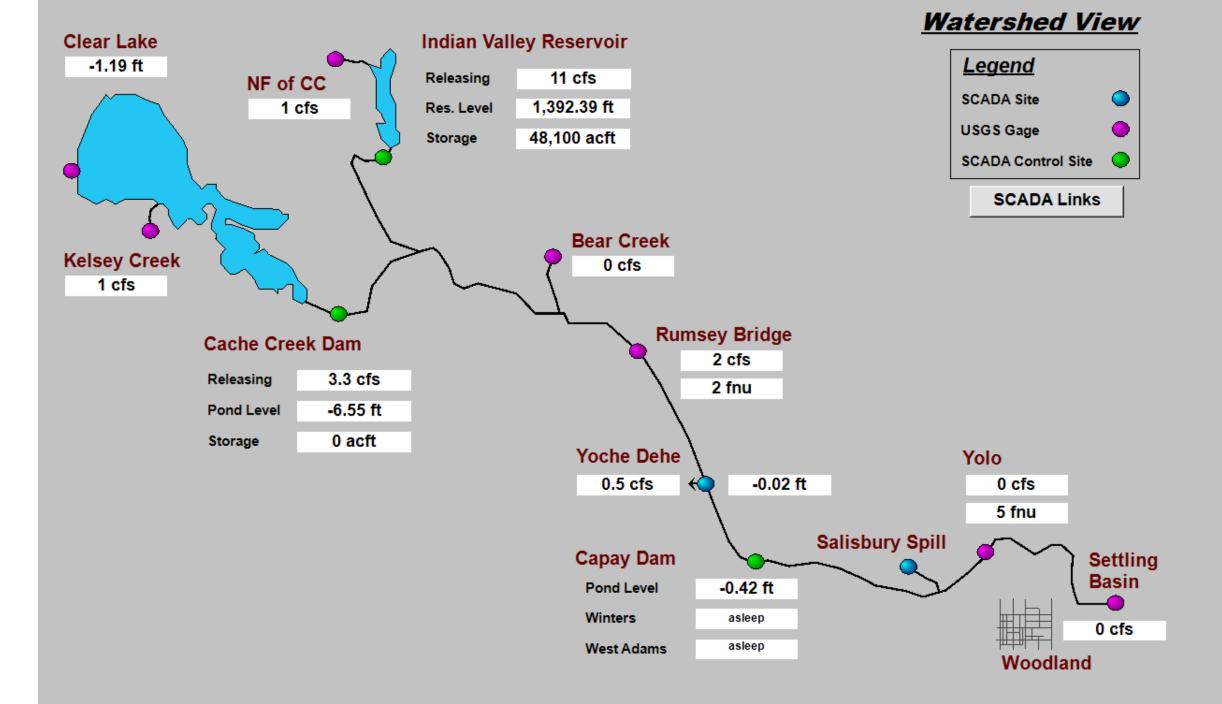
- 1. Post-1914 appropriative water rights and pre-1914 appropriative water right claims in the <u>Putah Creek</u> subwatershed outside of the Legal Delta with a priority date of 1850 or later;
- Post-1914 appropriative water rights and pre-1914 appropriative water right claims in the <u>Cache Creek</u> subwatershed with a priority date of 1859 or later;
- 3. Post-1914 appropriative water rights in the <u>Bear River</u> subwatershed with a priority date of 1942 or later; and
- 4. Post-1914 appropriative water rights in the <u>Stony Creek</u> subwatershed with a priority date of 1957 or later.

https://mavensnotebook.com/2022/06/07/this-just-in-curtailmentsexpanded-through-out-the-delta-watershed/

The above curtailments consider the following technical and policy inputs to the Water Unavailability Methodology for the Delta Watershed (methodology):

- Reimposition of curtailments based on the subwatershed-scale analysis. As opportunities to divert limited snowmelt pass, the Deputy Director for Water Rights has determined in the exercise of his discretion under section 876.1, subdivision (d) of the Drought Emergency Regulation that the curtailments imposed today will account for both local water unavailability in headwater subwatersheds and watershed-wide conditions.
- 2. Modification of demands for water rights and claims associated with contractual agreements with the U.S. Bureau of Reclamation (Reclamation) and the California Department of Water Resources. Sacramento River Settlement Contractor and Feather River Contractor demands were reduced consistent with contractual agreements applicable this year and San Joaquin River Exchange Contractor demands were increased to account for demands for San Joaquin River water due to reduced deliveries of water from the Sacramento River watershed provided by Reclamation.
- 3. No curtailment of rights and claims within the Legal Delta. In coordination with the Office of the Delta Watermaster, Division of Water Rights staff are in the process of updating several technical assumptions regarding water unavailability within the Legal Delta. Pending completion of those updates, rights and claims within the Legal Delta will not be curtailed pursuant to the Drought Emergency Regulation. Term 91 curtailments will continue to apply to rights within the Legal Delta containing Term 91.

The above curtailments factor in estimated agricultural and municipal return flows based on <u>CalSim</u> 3 results for 1976 and reduced demands associated with <u>Central Valley Project</u> and <u>State Water Project</u> exports from the Delta under the State Water Board's April 4, 2022 Order Approving Temporary Urgency Changes to Water Right License and Permit Terms Relating to Delta Water Quality.



Reservoir storage, acre-feet

Most recent instantaneous value: 48090 08-02-2022 17:00 PDT

50900 acre-feet 50800 50700 storage, 50600 Reservoir 50500 50400 Hay 07 Hay Hay 21 Hay 14 28 2022 2022 2022 2022

USGS 11451290 INDIAN VALLEY RES A CLEARLAKE OAKS CA

---- Provisional Data Subject to Revision ----

Patt	tom of Pool: 146	3 00 MSI											
	Pool Elevation		Mean In (CFS)	Mean Out (CFS)	Pro	ecip. @ Da (In)	ms	Hydro	o Unit #1	Hydr	o Unit #2	Hyd	
					IV	B.SPG	сск	CFS	TIME RESET	CFS	TIME RESET	CFS	1
	1394.36	50,704	13	12.8	0.00	DIS	0.00	Cro	KLOL 1	Cro	KESE I	Urs	
1 2	1394.30	50,704	13	12.8	0.00	DIS	0.00						
3	1394.30	50,704	13	12.7	0.00	DIS	0.00						•
4	1394.30	50,704	20	12.7	0.00	DIS	0.00						•
5	1394.37	50,704	6	12.7	0.00	DIS	0.00			$\left \right $			•
6	1394.30	50,704	13	12.7	0.00	DIS	0.00						,
7	1394.36	50,704	13	12.0	0.00	DIS	0.00						
8	1394.34	50,676	-1	12.9	0.00	DIS	0.02						Ì
9	1394.34	50,676	13	12.9	0.01	DIS	0.01						Ì
10	1394.42	50,788	69	12.8	0.00	DIS	0.07						-
11	1394.41	50,774	6	12.8	0.01	DIS	0.01						-
12	1394.42	50,788	20	12.9	0.00	DIS	0.00						-
13	1394.44	50,816	27	12.9	0.00	DIS	0.00			1			ľ
14	1394.45	50,830	20	13.1	0.00	DIS	0.00						-
15	1394.44	50,816	6	13.1	0.00	DIS	0.00						-
16	1394.43	50,802	6	13.1	0.00	DIS	0.00						-
17	1394.42	50,788	6	13.2	0.00	DIS	0.00						-
18	1394.41	50,774	6	13.2	0.00	DIS	0.00						-
19	1394.44	50,816	34	13.2	0.00	DIS	0.00						-
20	1394.34	50,676	-58	13.2	0.00	DIS	0.00						-
21	1394.31	50,634	-8	13.2	0.00	DIS	0.00						-
22	1394.30	50,620	7	13.6	0.00	DIS	0.00						-
23	1394.29	50,606	6	13.5	0.00	DIS	0.00						-
24	1394.27	50,578	-1	13.5	0.00	DIS	0.00						-
25	1394.26	50,564	6	13.5	0.00	DIS	0.00						_
26	1394.23	50,522	-8	13.5	0.00	DIS	0.00						_
27	1394.21	50,494	-1	13.5	0.00	DIS	0.00						
28	1394.18	50,452	-8	13.2	0.00	DIS	0.00						
29	1394.17	50,438	6	13.2	0.00	DIS	0.00						
30	1394.13	50,382	-15	13.2	0.00	DIS	0.00						_
31	1394.11	50,354	-2	12.2	0.00	DIS	0.00						_
Sum	,)	[]	215.13	391.9	0.02	0.00	0.11						
										_			



Preliminary Financial Report

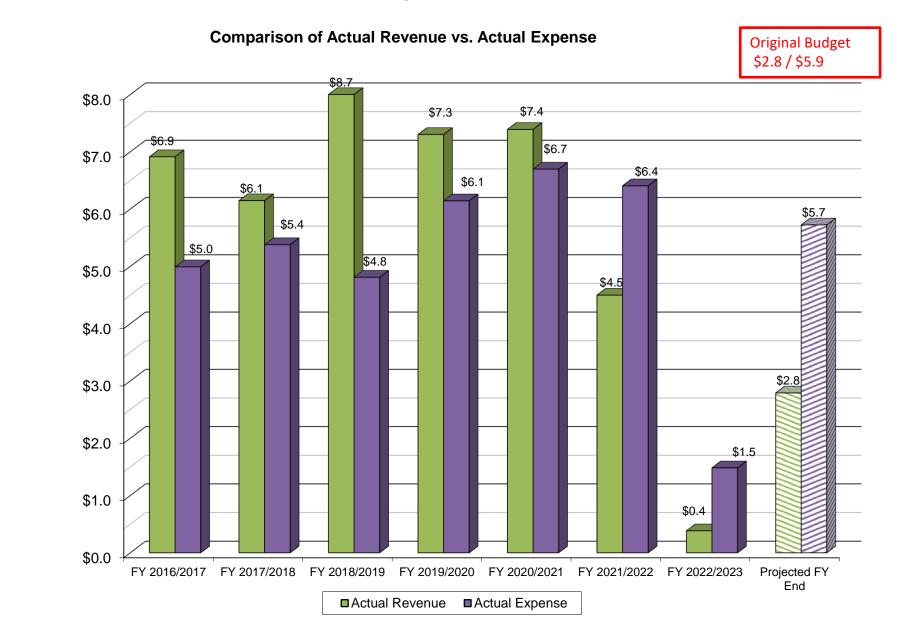
Highlights as of July 31, 2022

Preliminary Budget Summary as of 07/31/2022

Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$28,400	\$84,500	(\$56,100)
Non-Agricultural (M&I) Water Sales	\$46,400	\$334,200	(\$287,800)
Property Taxes	\$104,200	\$1,657,600	(\$1,553,400)
IV Dam Hydro (less fees)	\$0	\$0	\$0
Other Revenue	\$204,600	\$716,000	(\$511,400)
Shared Services Revenue	\$101,800	\$300,000	(\$198,200)
YSGA Reimbursements	\$70,800	\$275,000	(\$204,200)
Interest	\$12,000	\$20,000	(\$8,000)
Other	\$20,000	\$121,000	(\$101,000)
TOTAL REVENUE	\$383,600	\$2,792,300	(\$2,408,700)

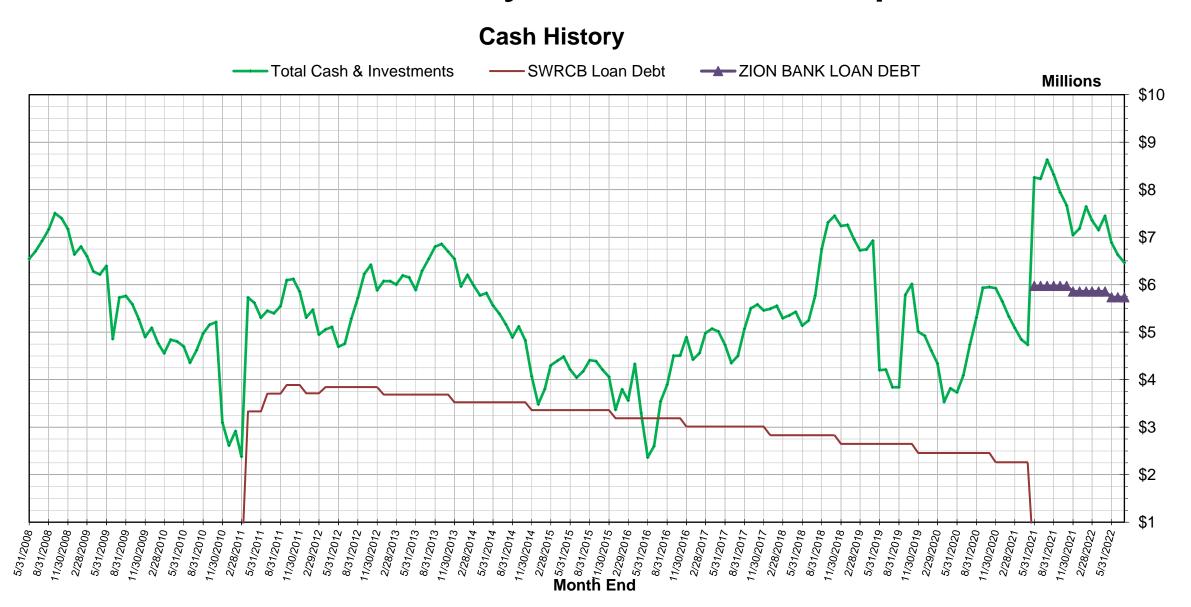
Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$179,600	\$1,060,200	(\$880,600)
General Administration	\$629,800	\$2,147,200	(\$1,517,400)
Other Expenses	\$673,300	\$2,652,700	(\$1,979,400)
TOTAL EXPENSES	\$1,482,700	\$5,860,100	(\$4,377,400)

Preliminary Financial Report



Millions

Preliminary Financial Report



Capital Improvement Program

Planning for Capital Jobs

Capay Dam Alternatives Assessment

- Reliable, cost-effective solution with same operational flexibility
- Proposals for Replacement Alternatives Analysis (2/3 received)
- Quotes from HTE Engineering and Obermeyer for Cost of Installation of Replacement Bladder
- Reviewed Proposals with Infrastructure Committee on 3/30

FY 22/23 Planning Activities Related to Large Capital Jobs

Hungry Hollow Canal – Pipeline Extension Project

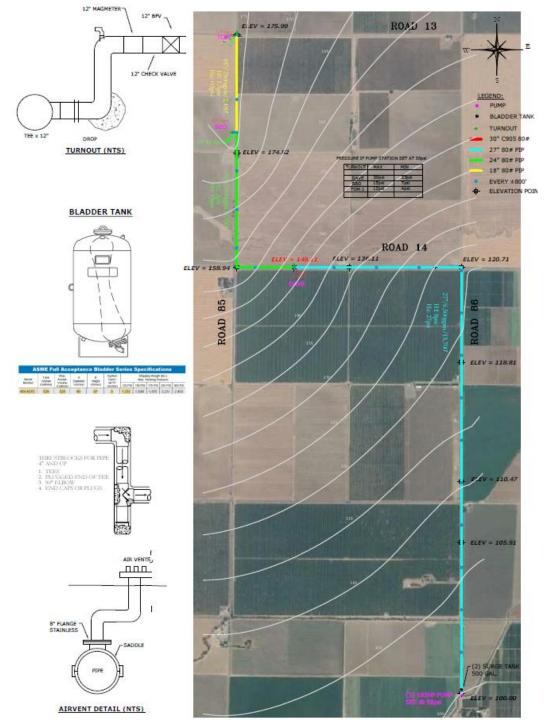




Discussion of FY 22/23 Planning Activities Related to Large Capital Jobs

- ⁻ Indian Valley Reservoir 60" Hollow-Jet Valve Rebuild: ~\$200k
- ⁻ FERC Part12D Recommendations
 - Photogrammetric Topo Survey of Eastern Ravine: ~\$30k
 - Potential Failure Mode Analysis Investigations: ~\$100k
 - Spillway Repair Project: ~\$300k (FY 23/24)
 - Dam Seepage Monitoring: ~\$500k (FY 23/24, maybe pushback)
 - Penstock and Spillway Gates Recoating Project: ~\$800k (FY 24/25)

Update on Hungry Hollow Canal Pipeline Extension Project



General Activities (July 6-August 2)

PROJECTS:

- Personnel Issues
- LWA Assessment of Long-Term Funding Opportunities
- State Water Board Curtailment Inspection
- Maintenance on Canal System and Various Private Jobs
 - Creek Spraying for CCC and Chipper Program for Yolo RCD
- Capital Projects small infrastructure projects and USBR WaterSMART Grant
- Paradise Valley Littoral Rights Review
- Weed Management (MERCSA, NDM and Wild Wings CSAs, Madison and Knights Landing CSDs)
- Drought Assistance Dry well checks (Contract with Yolo County OES)
- YSGA Outreach; Well Permitting Procedures; GSP Grant Management; Groundwater Monitoring Program Improvements; Grant Opportunities; Neighboring Subbasin Coordination; Grey Area Projects and Outreach
- Shared services opportunities: Cacheville CSD (part-time GM), private jobs, spraying, etc.
- Voluntary Agreement Process/Dry Year Scenario Planning
- Grant Opportunities Review of Solicitation Packages
- Wild Wings CSA and Madison/Knights Landing/Cacheville CSDs Groundwater Assistance and Drought Contingency Planning
- Encroachment Permits, Easement Research, Misc. Water Rights Investigations

General Activities (July 6-August 2)

OUTREACH:

- 1. Meeting with SWB: Water Avail. Analysis for Winter Water Right (July 7)
- 2. WRA TC Ad Hoc Drought Task Force (July 8)
- 3. Meeting with DWR to Discuss TSS New Monitoring Wells (July 13)
- 4. Westside IRWM CC Meeting (July 13)
- 5. Cacheville CSD Board of Directors Meeting (July 13)
- 6. CII Board of Directors Meeting (July 14)
- 7. Meeting with County CAO Gerardo Pinedo (July 14)
- 8. NCWA Voluntary Updates, Coordination Meeting (July 18)
- 9. YSGA: Coordination Meeting with CAFF (July 19)
- 10. Meeting with Supervisor Barajas Regarding Hungry Hollow Area (July 19)
- 11. YSGA: Hungry Hollow Groundwater Subcommittee Meeting (July 19)
- 12. Water Data Acctg. Platform Meeting with CA Water Data Con. (July 20)
- 13. Meeting with Assemblymember Bennett's Office (July 21)
- 14. YSGA: Collaboration with VCE (July 22)
- 15. Shared Services Opportunity with SCWA (July 22)
- 16. NCWA Recharge Discussion with DWR (July 22)

- 17. WRA / YSGA Executive Committees' Meetings (July 25)
- 18. Tour of Capay Dam with Congressman Thompson (July 25)
- 19. ACWA Water Management Committee (July 26)
- 20. YSGA: N. Winters/GB Area of Special Concern Planning (July 27)
- 21. WRATC Ad Hoc Drought Task Force (July 29)

YSGA UPDATE

YSGA 2022 Q3 Activities

- Well Permitting Process
- GSP Implementation Special Projects Advisor
 - Management Area Advisory Committees
 - Reconsideration of Voting and Fees (Ad Hoc Meeting 8/8)
 - WRA Merger into YSGA
 - Prioritizing projects / preparing grant applications (YSGA WG Meetings: 8/3 and 8/31)
- Ad Hoc Drought Contingency Planning Committee Meeting (8/10)
 - Groundwater Communications Plan
 - Local planning strategies; MA for drought conditions; coordination with Yolo County (well permitting procedures)
- FY 2021 Audit
- WRA TC Ad Hoc Drought Task Force Meetings (SB 552: Drought/Water Shortage Planning)

Upcoming Meetings & Events

- 1. YSGA: Working Group Meetings (August 3 and 31)
- 2. WRA TC Ad Hoc Drought Task Force (July 8)
- 3. YSGA: Coordination Meeting with North American Subbasin (August 4)
- 4. Lower Cache Creek Reserve Unit Management Plan (August 5)
- 5. NCWA: North State Drinking Water Solutions Network Meeting (August 5)
- 6. YSGA: Ad Hoc Committee Meeting to Reconsider Voting and Dues (and WRA Merger to YSGA) (August 8)
- 7. NCWA Coordination Meeting (August 9)
- 8. Woodland Chamber Water Committee Meeting (August 10)
- 9. YSGA: Ad Hoc Drought Contingency Planning Committee (August 10)
- 10. Yolo County Financial Oversight Committee Meeting (August 11)
- 11. Meeting with Paradise Valley Ranch Property Owner (August 11)
- 12. NCWA: VA Updates, Coordination (August 15)
- 13. Coordination Meeting with CAO Pinedo (August 18)
- 14. Nitrate Management Zone Planning for Yolo County (August 18)
- 15. WRATC Ad Hoc Drought Task Force (August 18)
- 16. CSDA Annual Leadership Conference (August 22-25)
- 17. Yolo Land Trust's A Day in the Country: River Garden Farms (September 25)

General Discussion

Opportunity for Board Members to ask questions for clarification, provide information to staff, request staff to report back on a matter, or direct staff to place a matter on a subsequent agenda.

Payment of Bills

Consider the approval and payment of the bills (Checks #61428-61437)

Number	Amount	Invoice Number	Invoice Date	Description		Invoice Amount
061428	\$43,271.25	ACWA / JPIA Employee Be 0689349 AUG 2022 8/	nefits /1/22	MONTHLY MEDICAL, VISION, L	8/2/22 .IFE, EAP	43,271.25
061429	\$27,349.62	ACWA / JPIA - Insurance Pa 0008698 PROPERTY 7/	ayments 17/22	PROPERTY POLICY 7/1/22 - 6/3	8/2/22 30/2023	27,349.62
061430	\$2,661.25	Bartkiewicz Kronick & Shar 1650-001 JUNE 2022 7/	nahan /8/22	GENERAL LEGAL	8/2/22	2,661.25
061431	\$3,992.30	Integral Networks, Inc. 30938 8/	/1/22	PO6522 COMPLETE MANAGE	8/2/22 SERVICES	3,992.30
061432	\$12,173.66	Interstate Oil Company T586217-IN 7/	/29/22	PO6654 1370GAL GAS, 1040G	8/2/22 Al Diesel	12,173.66
061433	\$6,823.95	Lake County Tax Collector 016-029-170 22/23 7/	/1/22	IV HYDRO UNSECURED PPTY	8/2/22 TAX 2022/2023	6,823.95
061434	\$59,722.88	Northern California Water 10213 7/	/14/22	2022 MEMBERSHIP DUES - 2N	8/2/22 D INSTALLMENT	59,722.88
061435	\$20,787.50	Slate Geotechnical Consult 1797 7/	ants 17/22	22-007-01 IV DAM ENGINEERIN	8/2/22 NG EVALUATIONS	20,787.50
061436	\$24,701.25	U.S. Geological Survey 90995965 7/	(15/22	JOINT FUNDING AGREEMENT	8/2/22 ENDING 10/31/22	24,701.25
061437	\$110,000.00	Yolo Subbasin Groundwate 2022-2023 7/	r Agency 17/22	2022-2023 MEMBERSHIP DUES	8/2/22	110,000.00

\$ 311,483.66

Closed Session: Bay-Delta

Conference with legal counsel for existing administrative proceeding and anticipated litigation/significant exposure to litigation pursuant to Government Code 54956.9, subsections (d)(1) and (d)(2) – State Water Resources Control Board Bay/Delta Plan update proceeding.

Closed Session Report

Adjourn