

YCFC&WCD BOARD OF DIRECTORS

November 1, 2022



YOLO COUNTY
FLOOD CONTROL &
WATER CONSERVATION
DISTRICT

Agenda Item #1

Adoption of the
October 4, 2022

Regular Board Meeting Minutes

Agenda Item #2

Open Forum

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

Agenda Item #3

Adding Items to the
Posted Agenda

Agenda Item #4

Receive Update from Outreach Committee
on District's Implementation of an Alternative
Funding Mechanism

Plan to Recover
Infrastructure Funds &
Stabilize District
Finances

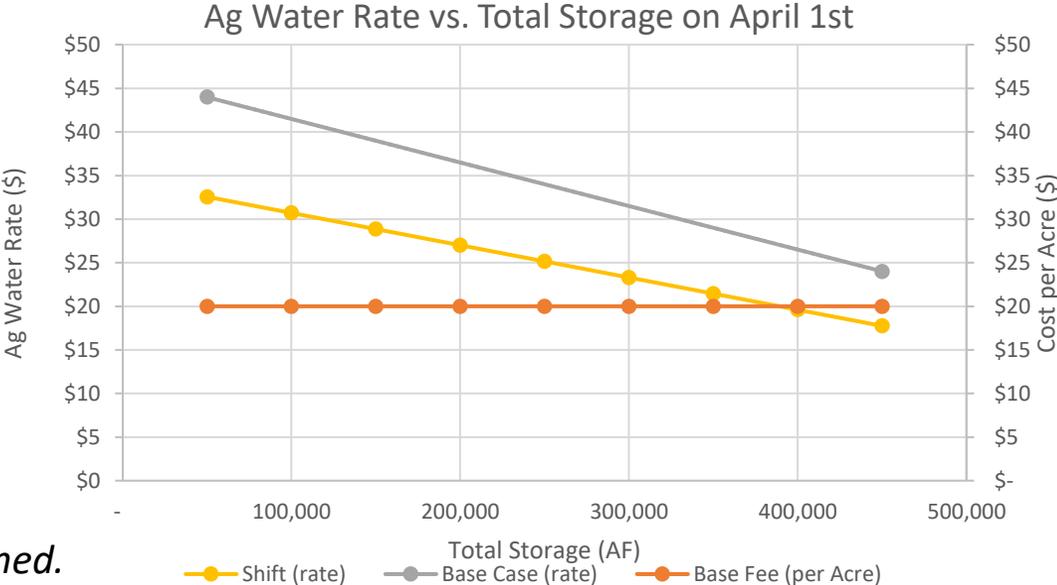


Groundwater is critical to agriculture worldwide. Rungroj Youbang/Shutterstock

Recommended Funding Structure

Improve revenue stability through three-prong structure:

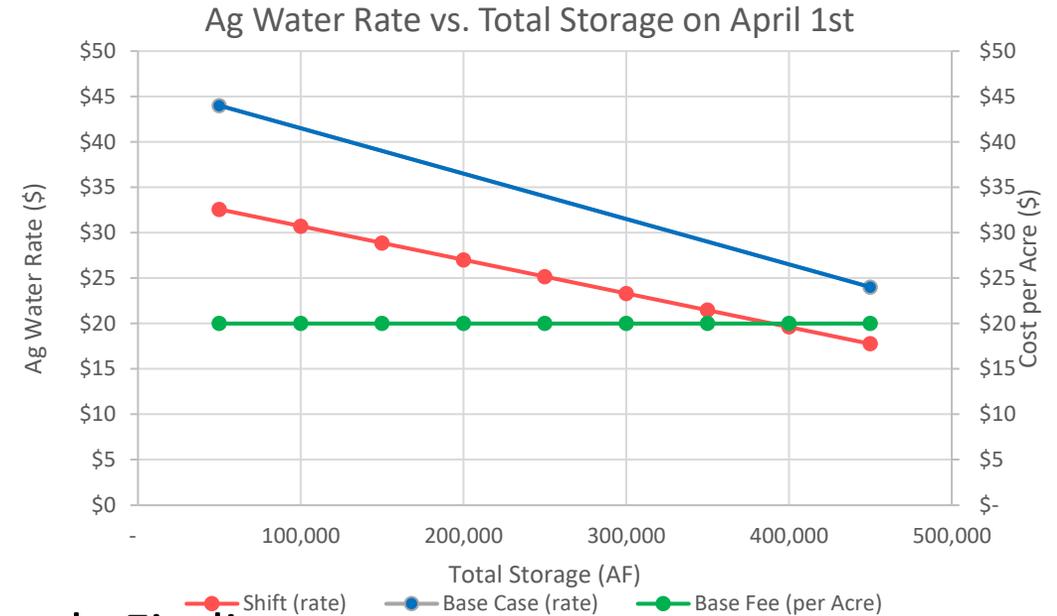
1. Fixed annual standby charge on property that can receive water from the District
 - Baseline revenue to align with annual costs incurred regardless of water supply conditions
2. Variable water rate fee based on current rate structure
 - Variable revenue aligned with variable expenses to deliver water
3. Groundwater charge
 - In-lieu, active, and passive recharge benefits



*NOTE: Rates are for qualitative comparison; range has not yet been determined.

Outreach Committee Update

- September 23 – Kick-off Meeting
- October 7
 - Review of Cost-of-Service Analysis and Water Rate Study Findings
 - Discuss Drought Reserve Concept
- October 11
 - Finalize Outreach Materials for First Focus Group Meeting
 - Pivot to Balloting Special Benefit Assessment prior to Water Rate Increase
 - Cost-of-Service Analysis w/ and w/out Assessment
- November 10 at 11:30 a.m.: First Focus Group Meeting



Updated Schedule – Phase 2

- January 3, 2022: Presentation on Preliminary Engineer's Report
 - BOD Resolution of Prop. 218 Procedures
 - BOD Adopt Resolution of Intention
 - BOD Set Public Hearing for Special Benefit Ballot Tabulation (March 7, 2022)

Updated Schedule – Phase 2

- January 3, 2022: Presentation on Preliminary Engineer's Report
 - BOD Resolution of Prop. 218 Procedures
 - BOD Adopt Resolution of Intention
 - BOD Set Public Hearing for Special Benefit Ballot Tabulation (March 7, 2022)
- January 11-February 25, 2022: Special Benefit Balloting Period

Updated Schedule – Phase 2

- January 3, 2022: Presentation on Preliminary Engineer's Report
 - BOD Resolution of Prop. 218 Procedures
 - BOD Adopt Resolution of Intention
 - BOD Set Public Hearing for Special Benefit Ballot Tabulation (March 7, 2022)
- January 11-February 25, 2022: Special Benefit Balloting Period
- March 7, 2022: Public Hearing for Assessment Adoption Determination
 - Tabulate ballots and certify results
 - Presentation of Draft COS Study (w/ or w/o assessment)
 - BOD Acceptance of COS Study
 - BOD Set Public Hearing for Setting New Volumetric Rate (May 1, 2022)

Updated Schedule – Phase 2

- January 3, 2022: Presentation on Preliminary Engineer’s Report
 - BOD Resolution of Prop. 218 Procedures
 - BOD Adopt Resolution of Intention
 - BOD Set Public Hearing for Special Benefit Ballot Tabulation (March 7, 2022)
- January 11-February 25, 2022: Special Benefit Balloting Period
- March 7, 2022: Public Hearing for Assessment Adoption Determination
 - Tabulate ballots and certify results
 - Presentation of Draft COS Study (w/ or w/o assessment)
 - BOD Acceptance of COS Study
 - BOD Set Public Hearing for Setting New Volumetric Rate (May 1, 2022)
- May 1, 2022: Presentation on Final Cost-of-Service Study
 - BOD Adopt and Publish New Water Rates

Agenda Item #5

Directors' Reports

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

- i. Outreach Committee Meetings (October 7 and 11)
- ii. NCWA Sacramento Valley Celebration (October 20)
- iii. Coordination with County and Willow Oak FD on Special Benefit Assessment Process (October 20)

Agenda Item #6

Attorney's Reports

Report on Legal Matters of Concern to the District

- i. Annual BKS New Laws Report

Agenda Item #7

General Manager's Report

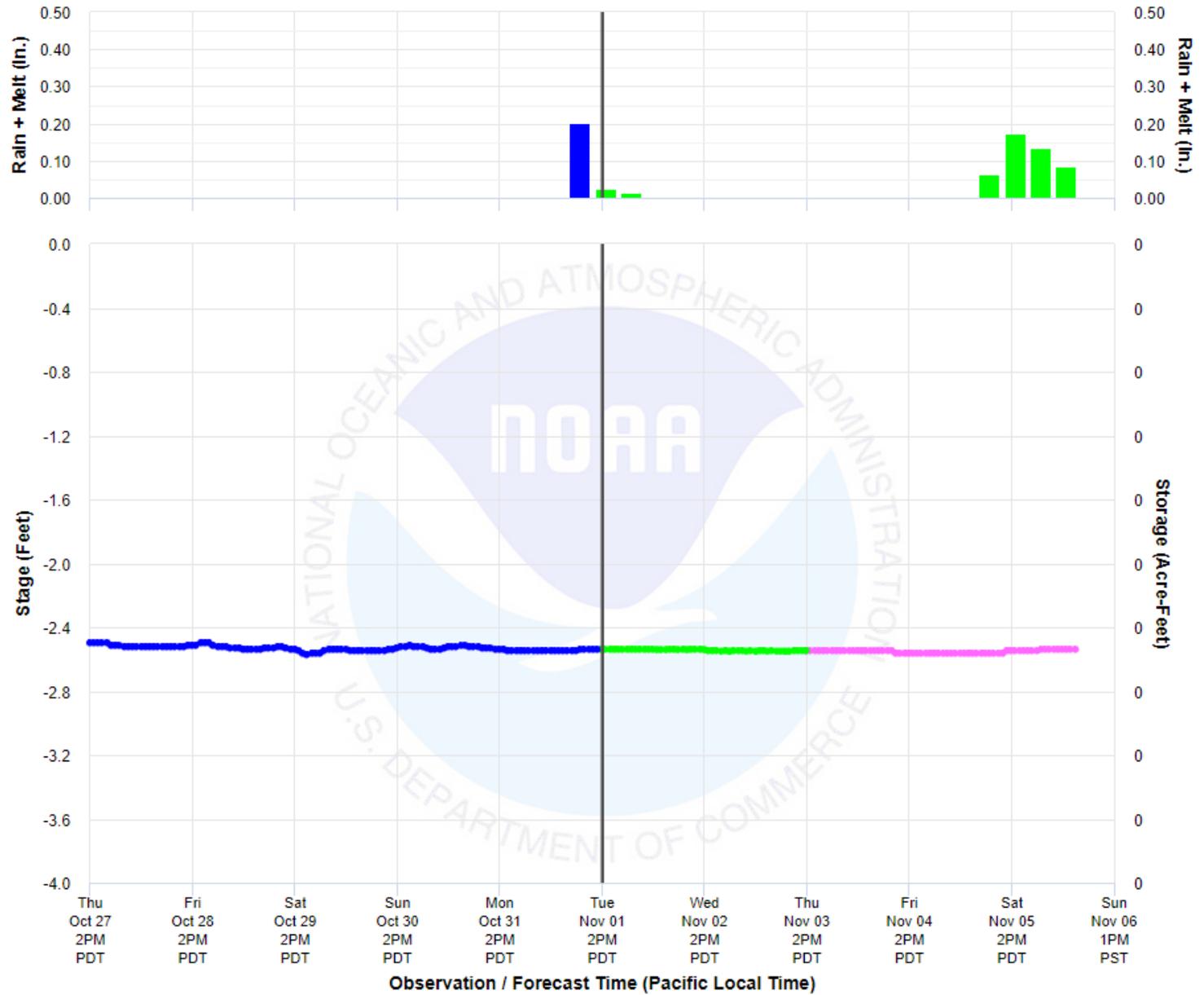
- **Water Conditions Report**
- **Financial Report Summary**
- **Capital Improvement Program**
- **General Activities**
- **YSGA Update**
- **Upcoming Events**

Current Water Conditions (11-01-22)

	<u>Elevation</u>	<u>Available</u>	<u>2021</u>
Clear Lake			
• November 1	-2.65'	0 AF	-1.44' (0 AF)
• October 1	-2.20'	0 AF	
• Total Loss	-0.45'	0 AF	
Indian Valley Reservoir			
• November 1	1,389.70'	44,850 AF	1,366.47' (22,890 AF)
• October 1	1,390.53'	45,830 AF	
• Total Loss	-0.83'	-980 AF	

Clear Lake - Lakeport (CLKC1) Reservoir Forecast Plot

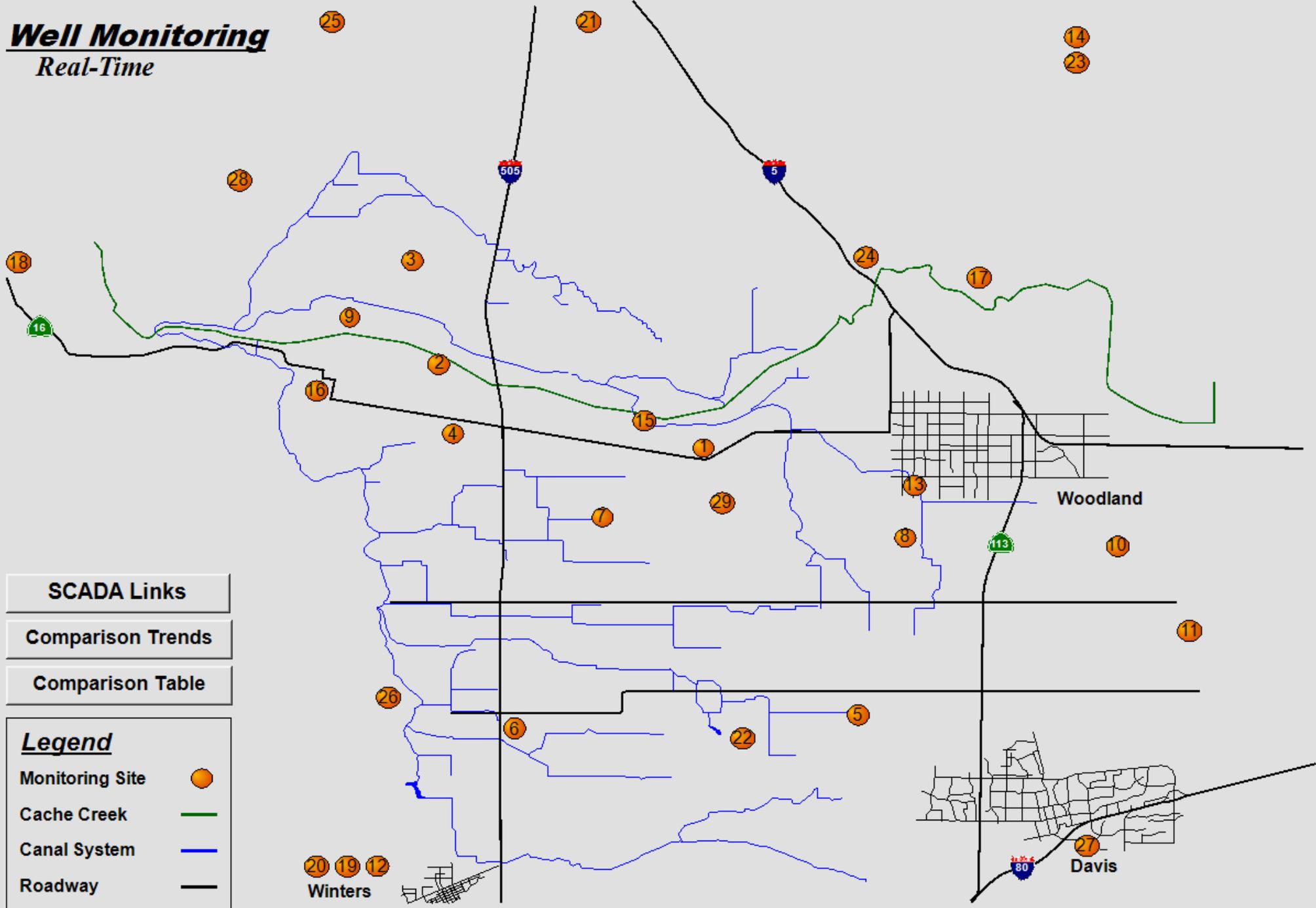
Forecast Posted: 11/01/2022 at 1:59 PM PDT • Graphic Created: 11/01/2022 at 2:14 PM PDT



NOAA / NWS / California Nevada River Forecast Center • California Department of Water Resources

—●— Observed
 —●— Forecast
 —●— Guidance
 - - - Monitor Stage
 - - - Flood Stage

Well Monitoring Real-Time



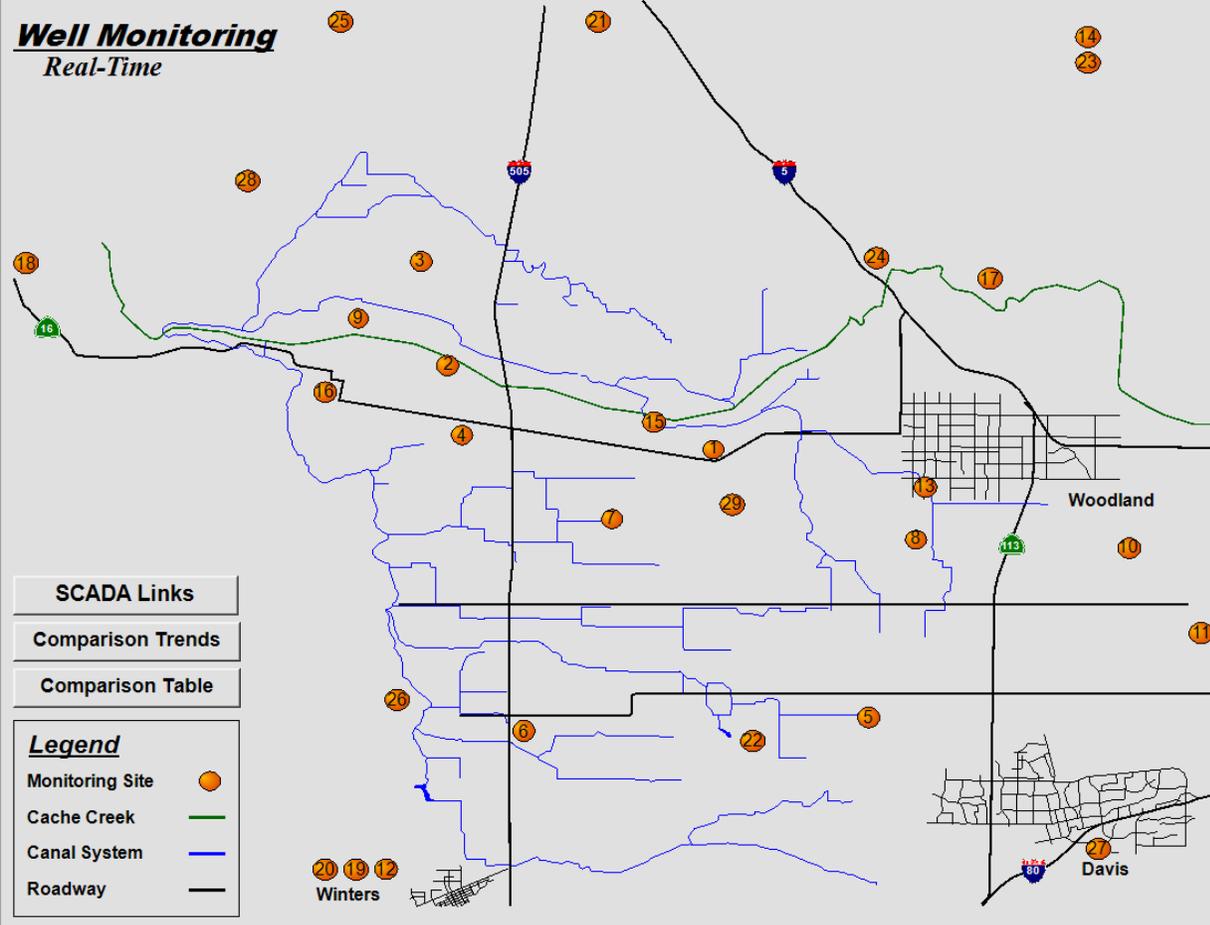
- SCADA Links
- Comparison Trends
- Comparison Table

Legend

- Monitoring Site 
- Cache Creek 
- Canal System 
- Roadway 

Well Monitoring

Real-Time



SCADA Links

Comparison Trends

Comparison Table

Legend

- Monitoring Site (Orange Circle)
- Cache Creek (Green Line)
- Canal System (Blue Line)
- Roadway (Black Line)

Well Monitoring

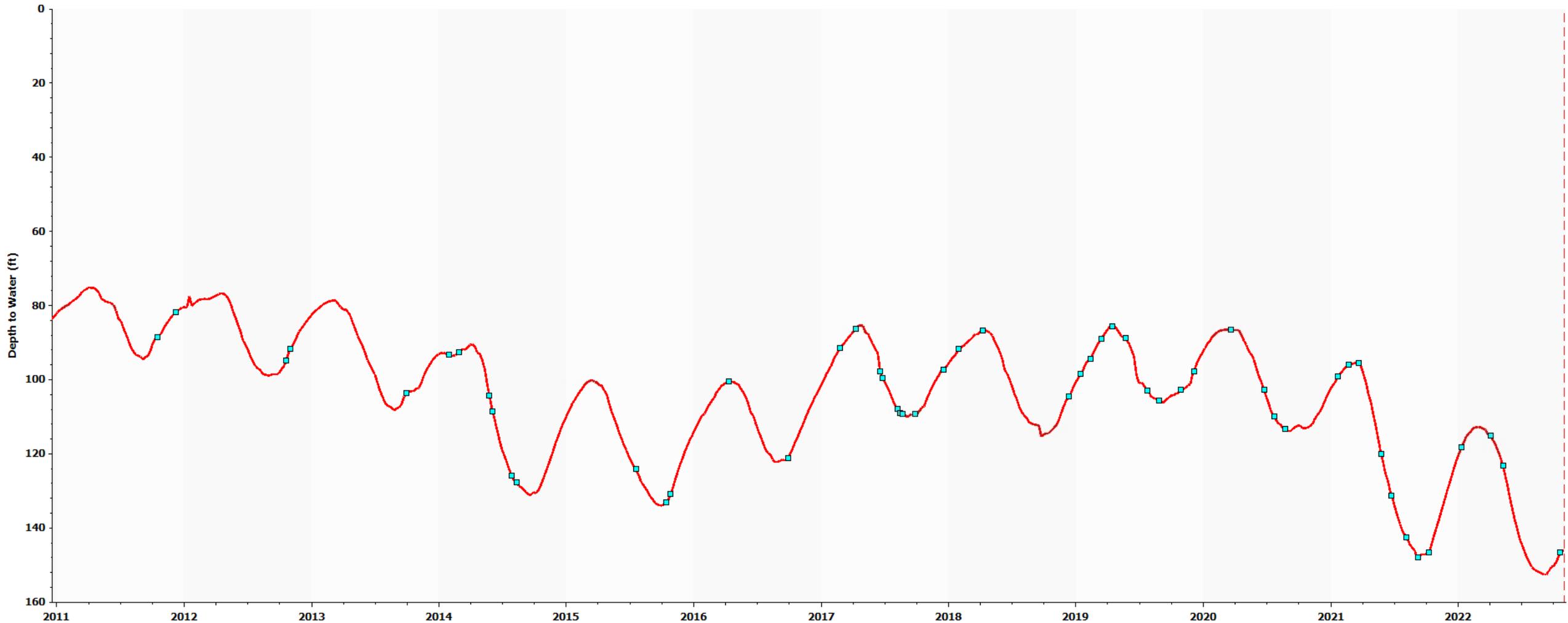
Depth to Water Historical Comparison

(Daily Average DTW in feet)

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Δ 2021 - 2022	Δ 2015 - 2022
1.	92.6	87.8	93.3	103.0	127.3	131.1	115.5	107.5	115.2	104.1	113.8	141.8	146.7	-4.9	-15.6
2.	34.4	30.2	42.7	37.6	53.1	51.7	40.0	30.8	32.5	31.2	32.2	44.9	58.5	-13.6	-6.8
3.	46.3	38.6	43.8	51.8	76.0	73.0	56.9	39.8	43.7	39.3	43.6	68.0	84.6	-16.5	-11.6
4.	33.5	28.6	29.3	34.6	49.6	58.8	36.7	28.7	34.3	28.3	40.0	46.3	57.2	-10.9	1.7
5.		18.9	23.1	27.1	35.9	39.2	36.6	24.3	24.7	19.6	28.2	37.3	44.3	-7.0	-5.0
6.		32.8	36.4	45.0	56.6	59.1	43.0	31.9	39.7	35.7	42.2	52.9	68.5	-15.6	-9.4
7.			19.9	19.9	41.0	46.8	28.1	21.6	24.0	20.8	30.8	42.9	47.4	-4.4	-6
8.				52.8	73.8	75.8	68.2	51.5	56.4	44.6	54.0	71.5	77.8	-6.3	-2.0
9.					77.1	74.0	57.8	41.6	44.8	43.6	45.8	69.4	81.3	-12.0	-7.4
10.					57.8	60.3	44.2	31.2	52.4	31.7	59.0	50.2	51.7	-1.5	8.6
11.					25.9	24.2	18.5	13.9	20.7	15.9	23.7	22.5	24.6	-2.2	-4
12.										118.8	128.8	141.4	152.2	-10.8	
13.								69.9	75.6	61.4	79.1	89.4	96.7	-7.3	
14.									11.8	12.5	13.9	13.5	17.1	-3.6	
15s.									42.1	38.3	47.4	49.2	50.0	-8	
15d.									152.7	136.8	174.2	205.3	229.5	-24.2	
16.										36.6	39.4	47.0	57.5	-10.5	
17.										21.0	25.4	34.1	38.1	-4.0	
18.										49.5	70.4	78.7	93.8	-15.0	
19.										176.1	184.9	201.1	210.9	-9.8	
20.															
21.										120.7	128.3	138.8	142.2	-3.4	
22.												86.7	99.7	-13.0	
23.												45.3	54.8	-9.6	
24.													73.6		
25.													121.7		
26.													122.9		
27.													69.4		
28.													138.7		
29.													137.1		

----- Working on a replacement -----

1. HQ Well Depth to Water

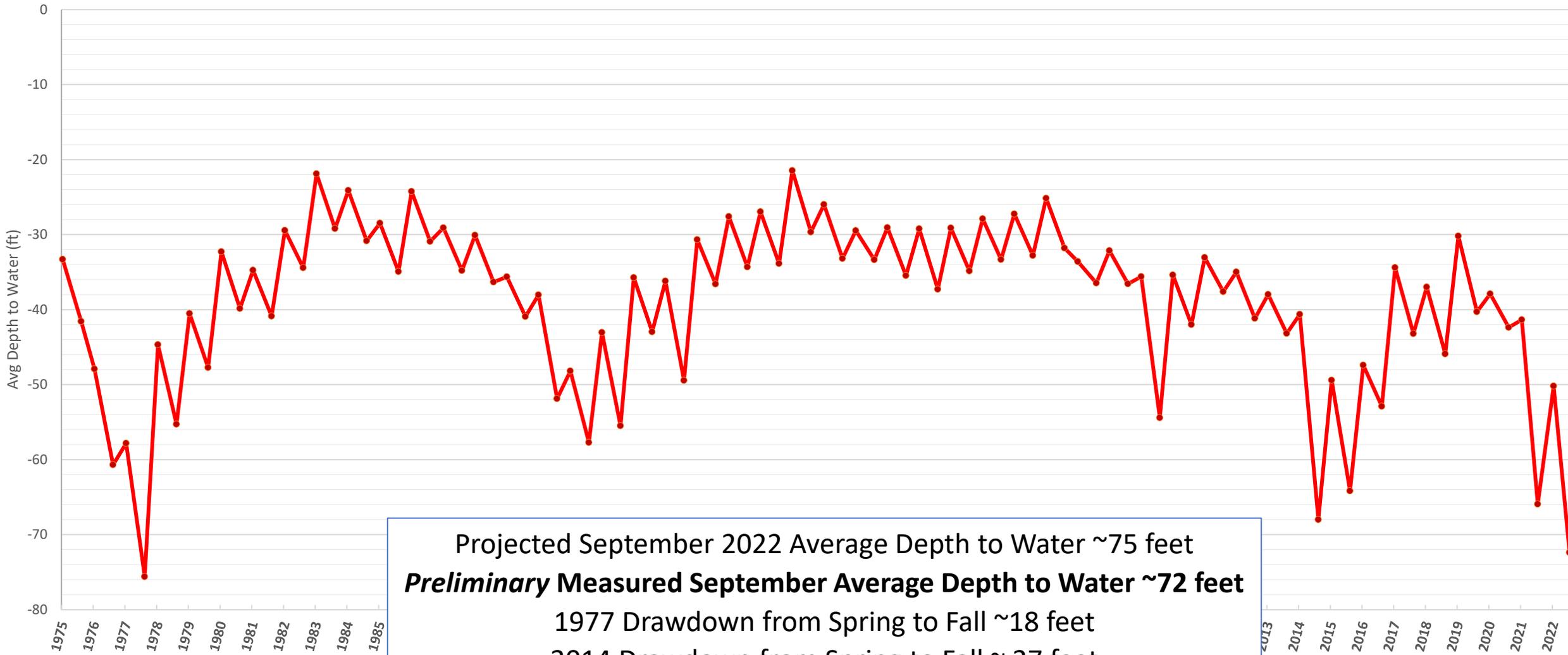


Depth to Water
10/1/21: 148.3 feet
11/1/21: 141.8 feet
Δ 6.5 feet

Depth to Water
10/1/22: 151.1 feet
11/1/22: 146.7 feet
Δ 4.4 feet

YCFC&WCD Average Groundwater Depth by Season (Fall 2022 is 123 wells)**

PRELIMINARY DRAFT



Projected September 2022 Average Depth to Water ~75 feet
Preliminary Measured September Average Depth to Water ~72 feet
1977 Drawdown from Spring to Fall ~18 feet
2014 Drawdown from Spring to Fall ~ 27 feet
2021 Drawdown from Spring to Fall ~25 feet
Preliminary 2022 Drawdown from Spring to Fall ~22 feet

Preliminary Financial Report

Highlights as of October 31, 2022

Preliminary Budget Summary as of 10/31/2022

Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$40,700	\$84,500	(\$43,800)
Non-Agricultural (M&I) Water Sales	\$126,100	\$334,200	(\$208,100)
Property Taxes	\$137,000	\$1,657,600	(\$1,520,600)
IV Dam Hydro (less fees)	\$0	\$0	\$0
Other Revenue	\$466,500	\$716,000	(\$249,500)
<i>Shared Services Revenue</i>	<i>\$279,000</i>	<i>\$300,000</i>	<i>(\$21,000)</i>
<i>YSGA Reimbursements</i>	<i>\$123,400</i>	<i>\$275,000</i>	<i>(\$151,600)</i>
<i>Interest</i>	<i>\$33,200</i>	<i>\$20,000</i>	<i>\$13,200</i>
<i>Other</i>	<i>\$30,900</i>	<i>\$121,000</i>	<i>(\$90,100)</i>
TOTAL REVENUE	\$770,300	\$2,792,300	(\$2,022,000)

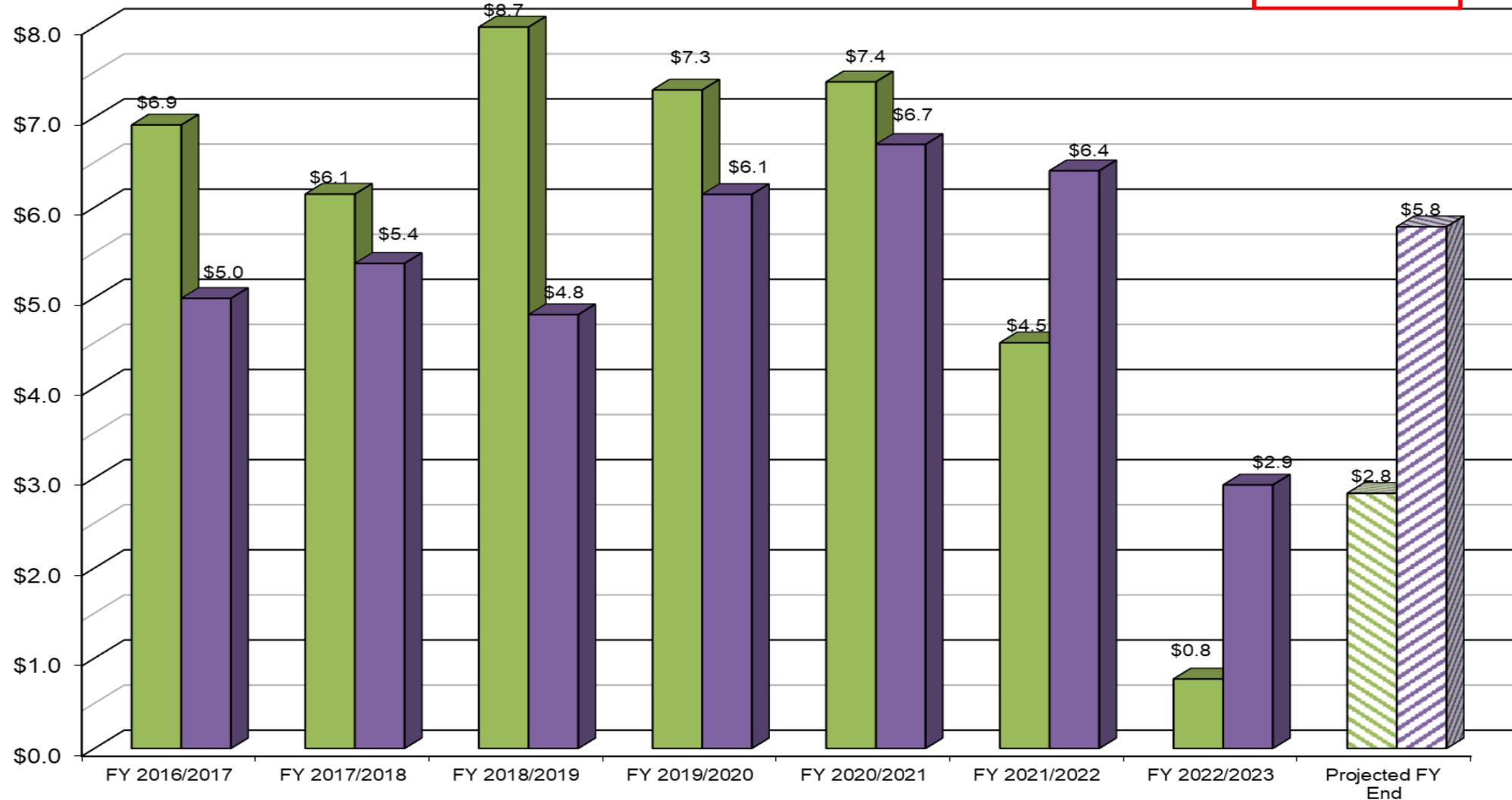
Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$404,600	\$1,060,200	(\$655,600)
General Administration	\$1,202,300	\$2,147,200	(\$944,900)
Other Expenses	\$1,315,000	\$2,652,700	(\$1,337,700)
TOTAL EXPENSES	\$2,921,900	\$5,860,100	(\$2,938,200)

Preliminary Financial Report

Comparison of Actual Revenue vs. Actual Expense

Original Budget
\$2.8 / \$5.9

Millions

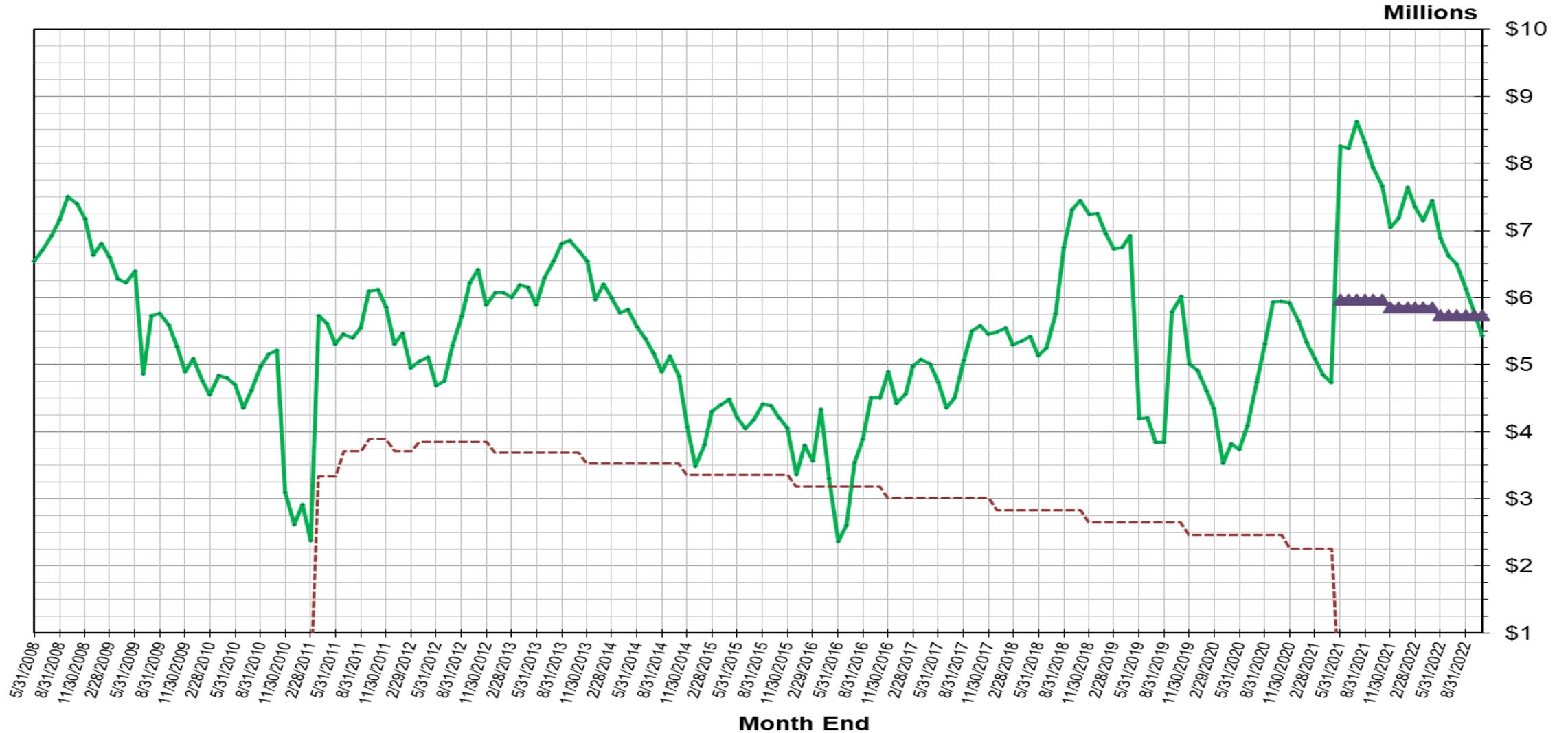


■ Actual Revenue ■ Actual Expense

Preliminary Financial Report

Cash History

— Total Cash & Investments - - - SWRCB Loan Debt ▲ ZION BANK LOAN DEBT



Capital Improvement Program

Planning for Capital Jobs

Capay Dam Bladder Replacement Project

FY 22/23 Planning Activities Related to Large Capital Jobs

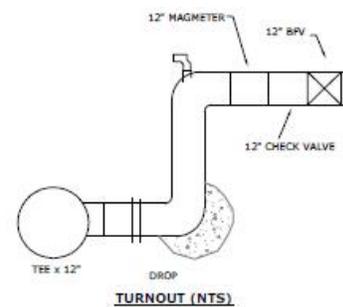
Hungry Hollow Canal – Pipeline Extension Project



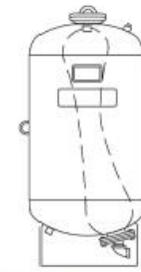
Discussion of FY 22/23 Planning Activities Related to Large Capital Jobs

- 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

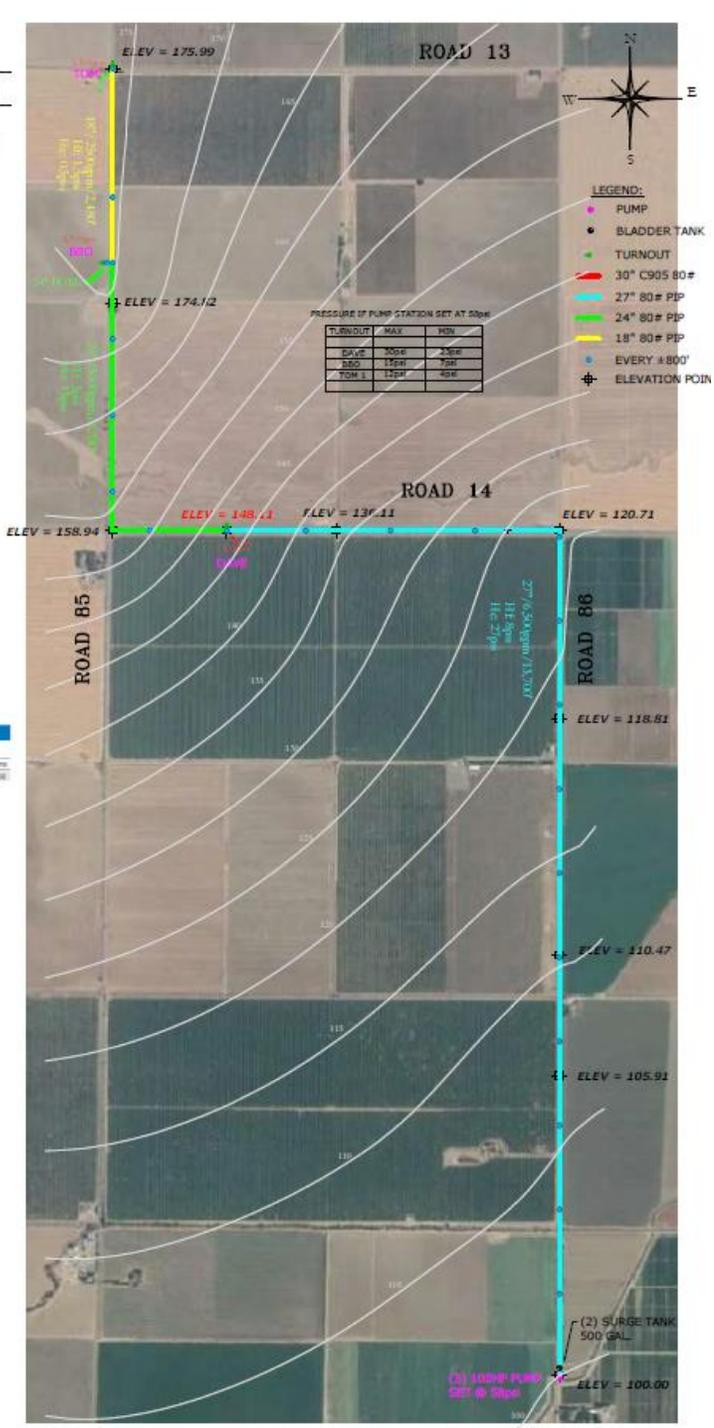
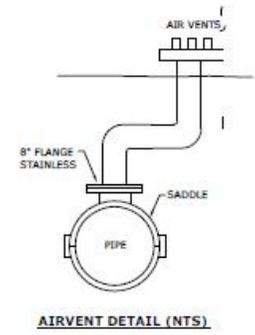
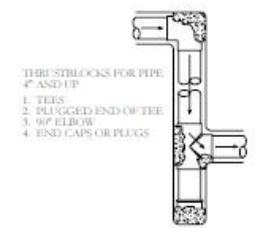


BLADDER TANK



ASME Full Acceptance Bladder Series Specifications

Model	Type	Max. Allowable Working Pressure (PSI)	Max. Working Pressure (PSI)	Max. Working Temperature (°F)
BLADDER	500	80	80	120
	600	80	80	120
	800	80	80	120
	1000	80	80	120
	1500	80	80	120
	2000	80	80	120
	2500	80	80	120





KEEP AWAY

KEEP AWAY

General Activities (October 5-November 1)

PROJECTS:

- **LWA Cost-of-Service Study and Engineer's Report for Revenue Restructuring**
- **Drought Assistance – Dry well checks (Contract with Yolo County OES)**
- **Paradise Valley Development Littoral Rights Review**
- **Indian Valley Reservoir: Cybersecurity Plan**
- **Completed Administrative Process to Begin Automated Payroll Project and Website Revamping Project**
- **Project Development for Grant Opportunities (Review of Solicitation Packages)**
- **YSGA – Project Development; Outreach; Well Permitting Procedures; GSP Grant Management; Groundwater Monitoring Program Improvements; Grant Opportunities; Neighboring Subbasin Coordination; Grey Area Projects and Outreach**
- **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**
- **Weed Management (MERCOSA, NDM and Wild Wings CSAs, Madison and Knights Landing CSDs)**
- **Shared Services: Cacheville CSD (part-time GM), SCWA, private jobs, spraying, etc.**
- **Wild Wings CSA and Madison/Knights Landing/Cacheville CSDs Groundwater Assistance and Drought Contingency Planning**
- **Encroachment Permits, Easement Research, Misc. Water Rights Investigations**
- **Voluntary Agreement Process/Dry Year Scenario Planning**

General Activities (October 5-November 1)

OUTREACH:

1. YSGA/YCFB Coordination Meeting (October 5)
2. YSGA: Drought Coordination Task Force (October 6 and November 1)
3. Highway 16 Flooding Solutions Meetings (October 7)
4. Water Data Consortium Cross-Pilot Water Accounting Platform Coordination Meeting (October 10)
5. YSGA Executive Committee Meeting (October 11)
6. Drought Roundtable Discussion Meeting with Supervisor Sandy and County (October 13)
7. YSGA Ad Hoc Working Group Meeting (October 13)
8. UCD Hydrologic Sciences Seminar (October 13)
9. YSGA: Hungry Hollow Area – Domestic Well Protection Measures Workshop (October 26)
10. Hamnerness' Property Tour for Potential Reservoir Sites (October 27)
11. Dry Well Assistance Coordination with County and County OES (October 27)
12. Water Data Consortium and SEI Coordination Meeting on Yolo Pilot (October 28)

YSGA UPDATE

YSGA 2022 Q4 Activities

- GSP 2023 Annual Report
- Well Permitting Process
- GSP Implementation
 - Management Area Advisory Committees
 - Consideration of Revenue Mechanisms
 - Prioritizing Projects / Preparing Grant Applications
- Ad Hoc Drought Task Force Meetings (SB 552: Drought/Water Shortage Planning)
- YSGA Board of Directors Meeting
 - Regular Meeting November 21, 2022

Upcoming Meetings & Events

1. Coordination Meeting with Valley Clean Energy ([November 2](#))
2. Coordination Meeting with Yolo County EH to Discuss Well Permitting Procedure ([November 2](#))
3. Preparation for Revenue Assessment Focus Group Meeting ([November 4](#))
4. County / Farm Bureau Coordination Meeting ([November 7](#))
5. NCWA Bay-Delta Task Force Meeting ([November 7](#))
6. NCWA Dry Year Task Force, Sac River Basin Meeting ([November 8](#))
7. Planning for the China Slough Rehabilitation Project ([November 8](#))
8. DWR's Fall 2022 GSA Forum ([November 9](#))
9. YSGA: Executive Committee Meeting ([November 9](#))
10. YSGA / Farm Bureau Coordination Meeting ([November 9](#))
11. County Financial Oversight Committee Meeting ([November 10](#))
12. Revenue Re-Evaluation Focus Group Meeting ([November 10](#))
13. Sites Reservoir Update from Sites Authority ([November 10](#))
14. Cross-Pilot Water Accounting Platform Coordination Meeting ([November 14](#))
15. YSGA: Board of Directors Meeting ([November 21](#))
16. ACWA Fall Conference 2022 ([November 29-December 1](#))

Agenda Item #8

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.

Agenda Item #9

Payment of Bills

Consider the approval and payment of the bills
(Checks #61672-61681)

Agenda Item #10

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

Agenda Item #11

Adjourn