

FINAL AGENDA  
BOARD OF DIRECTORS SPECIAL MEETING  
JUNE 1, 2021

<i>Brenda Haynes, President</i>	<b>Anderson-Cottonwood Irrigation District</b> 2810 Silver Street, Anderson, CA 96007	<i>Tiger Michiels, Director</i>
<i>Audie Butcher, Vice President</i>	(530) 365-7329 Fax (530) 365-7623	<i>Ray Eliante, Director</i>
<i>John Currey, General Manager</i>	www.andersoncottonwoodirrigationdistrict.org	<i>Rick Williams, Director</i>

**AGENDA**

**BOARD OF DIRECTORS  
SPECIAL MEETING  
JUNE 1, 2021**

**SPECIAL SESSION – 2:00 P.M.  
CLOSED SESSION FOLLOWING**

**Meeting will take place at  
Anderson-Cottonwood Irrigation District  
2810 Silver St, Anderson, CA**

**Masks Required**

**1. CALL TO ORDER**

**2. PUBLIC PARTICIPATION**

This time is set-aside for members of the public that wish to address the Board regarding operations of the District within the jurisdiction of the Board. Any member of the public on the telephone may speak during the Public Participation period. Individuals are requested to limit their comments to a maximum of three minutes.

The Brown Act prohibits the Board from taking action on any item not placed on the printed Agenda in most cases.

**3. ACTION ITEMS**

- 3.1** Receive staff report and consider adopting Resolution 2021-002 (1) directing staff to implement water conservation measures (2) recommending landowners implement water conservation measures, and (3) redoubling adherence to and enforcement of the District rules and regulations, including those requiring efficient water use
- 3.2** Receive staff report regarding goals and objectives of the proposed Assistant General Managers position
- 3.3** Receive staff report and consider Department of Water Resources request to fund replacement data loggers in ACID groundwater monitoring wells

FINAL AGENDA  
BOARD OF DIRECTORS SPECIAL MEETING  
JUNE 1, 2021

**CLOSED SESSION**

**C.S.1. CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION.** Significant Exposure to litigation pursuant to paragraph (2) or (3) of subdivision (d) of Government Code section 54956.9. One Case.

At the conclusion of the Closed Session, reportable action, if any, will be reported in Open Session.

**RECESS**

**REPORT OF CLOSED SESSION ACTIONS**

**ADJOURN**

# Anderson-Cottonwood Irrigation District

**TO:** ACID Directors  
**FROM:** John S. Currey

**Agenda Item No.** 3.1  
**Meeting Date:** 06/01/2021

**DATE:** May 28, 2021

**Action Item**  
 **No Action Requested**

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**SUBJECT:** Receive Staff Report and Consider Adopting a Resolution 2021-002 (1) Directing staff to Implement Water Conservation Measures, (2) Recommending Landowners Implement Water Conservation Measures, and (3) Redoubling Adherence to and Enforcement of the District Rules and Regulations, including those Requiring Efficient Water Use.

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**Background:**

The current water year is the second driest on record and as such, the Bureau of Reclamation has declared it a Critical Year. Reclamation and the State Water Board have and will continue to take unprecedented actions to reduce river diversion and to curtail post-1914 water rights. At the recent Sacramento River Settlement Contractor meeting, we received the attached Shasta Operations and Hydrology Update. I will provide additional information on this presentation at the meeting.

The attached resolution is intended to help staff implement District rules and regulations to address this unprecedented water year.

**Recommendation:**

Staff requests the Board consider adopting Resolution 2021-002 (1) Directing staff to Implement Water Conservation Measures, (2) Recommending Landowners Implement Water Conservation Measures, and (3) Redoubling Adherence to and Enforcement of the District Rules and Regulations, including those Requiring Efficient Water Use.

**Enclosures:**

Ops & Hydrology Update (May 27, 2021)  
Resolution 2021-002

# Ops & Hydrology Update

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SRSC BOARD MEETING

MAY 27, 2021



# Topics

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Current conditions

Forecasted operations

Diversion schedules

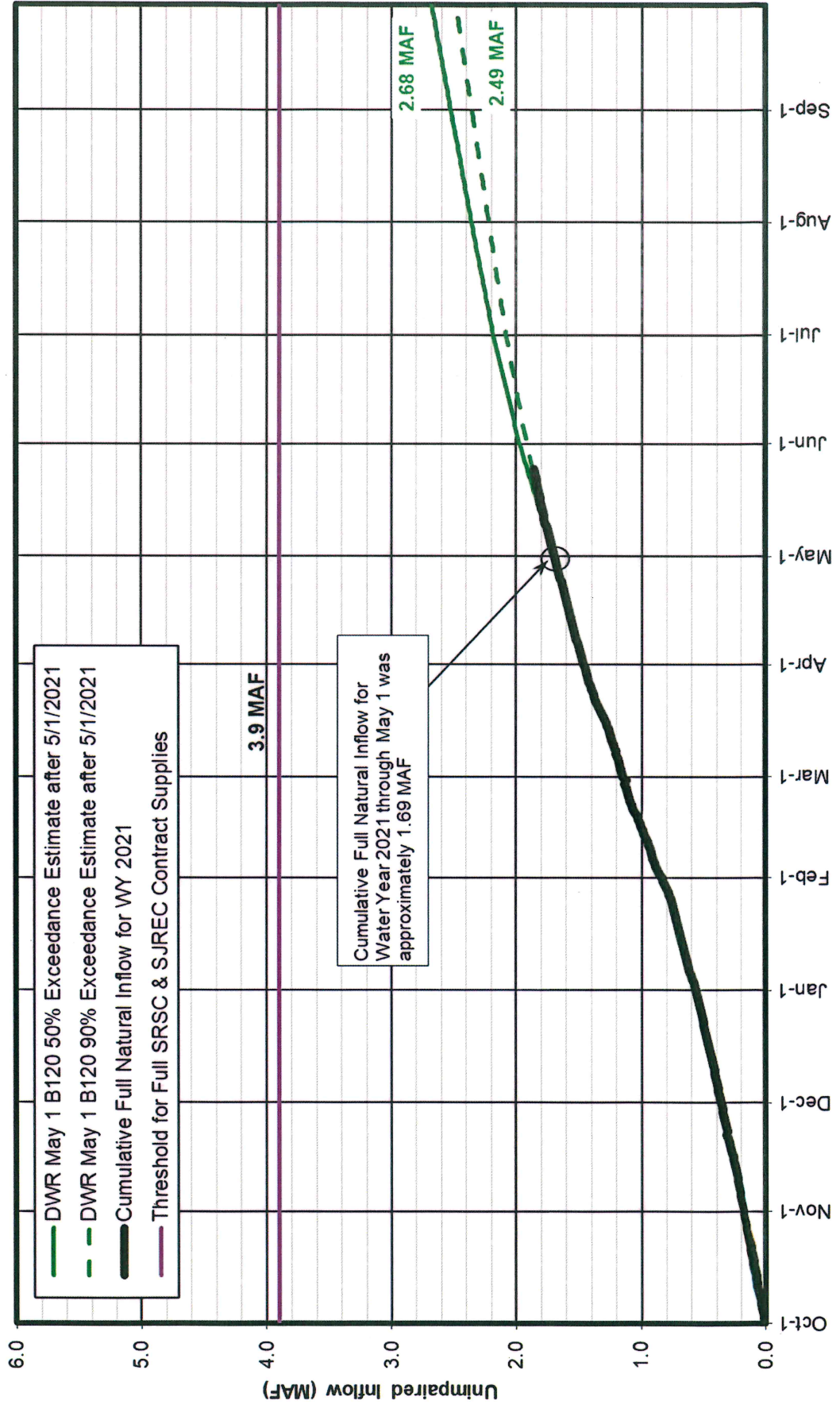
Water transfers

Voluntary groundwater pumping

# ESTIMATED CUMULATIVE FULL NATURAL INFLOW TO SHASTA LAKE WATER YEAR 2021

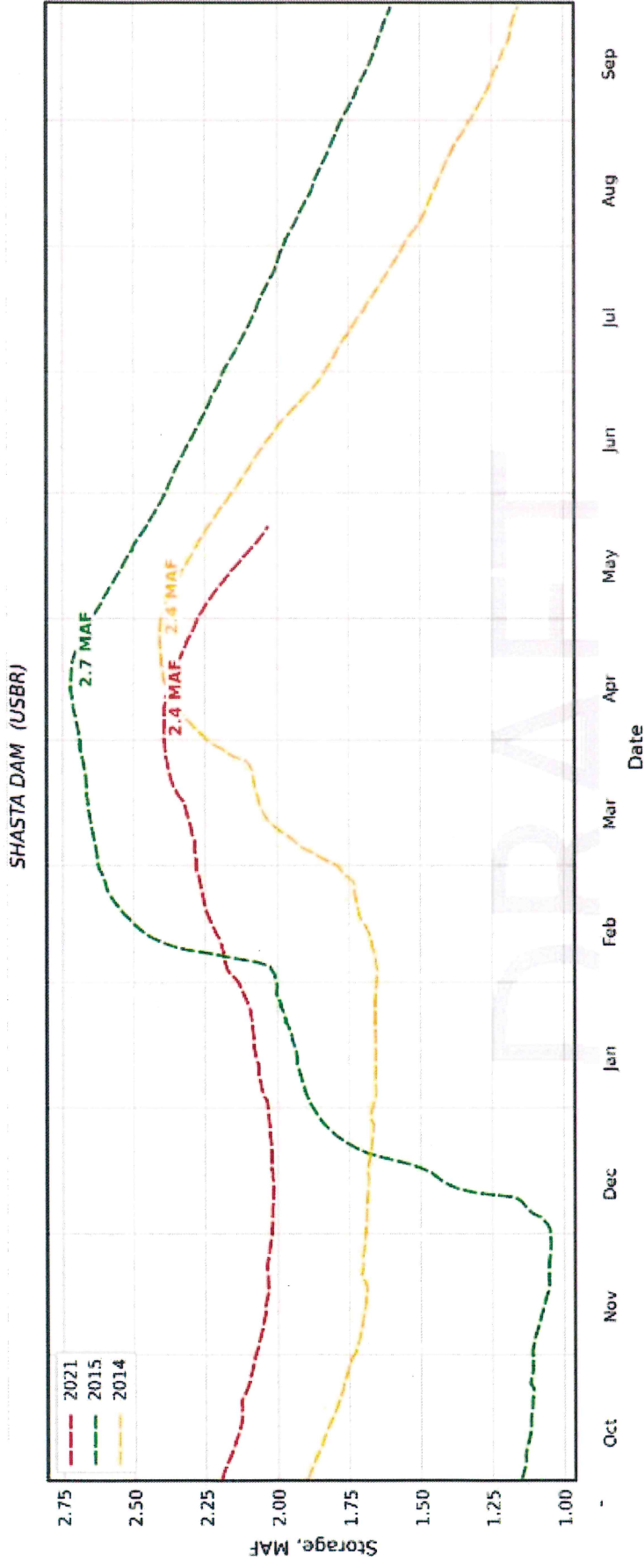
DRAFT

## May 1 Bulletin 120 Forecast

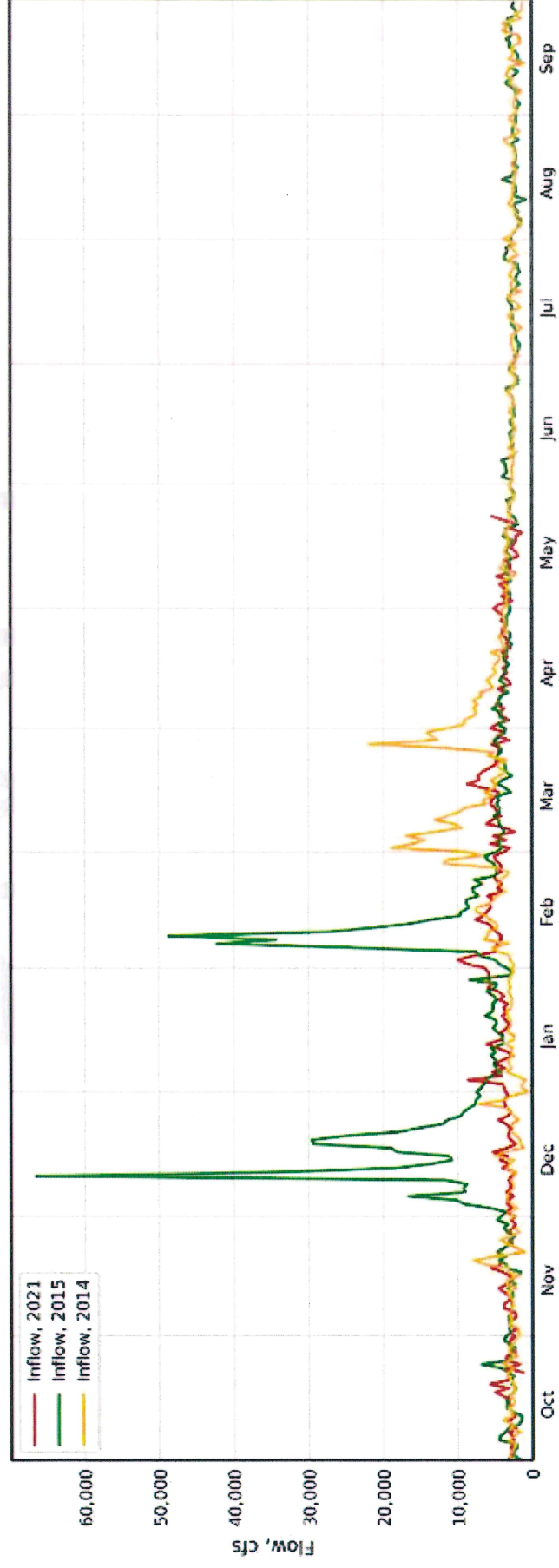


DRAFT

# Shasta Storage WY 2014-2015, 2021



# Shasta Inflow WYs 2014-2015, 2021





# Current Shasta Ops

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Power bypass efforts have ended

- Estimated ~350 TAF benefit to cold water pool

Meeting current temperature target of 57 degrees at Hwy 44

Keswick releases decreasing this week from 8,550 cfs to 7,100 cfs

SRSC demand decreasing until second week of June

Wilkins Slough has been above 5,000 cfs, will decrease as Keswick releases decrease

Currently meeting D-1641 requirements in Delta

# Forecasted Shasta Ops

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TUCP submitted to request reduced D1641 standards for June and July

- Reduced Delta outflow
- Salinity standard moved upstream
- Likely approval with conditions by SWRCB

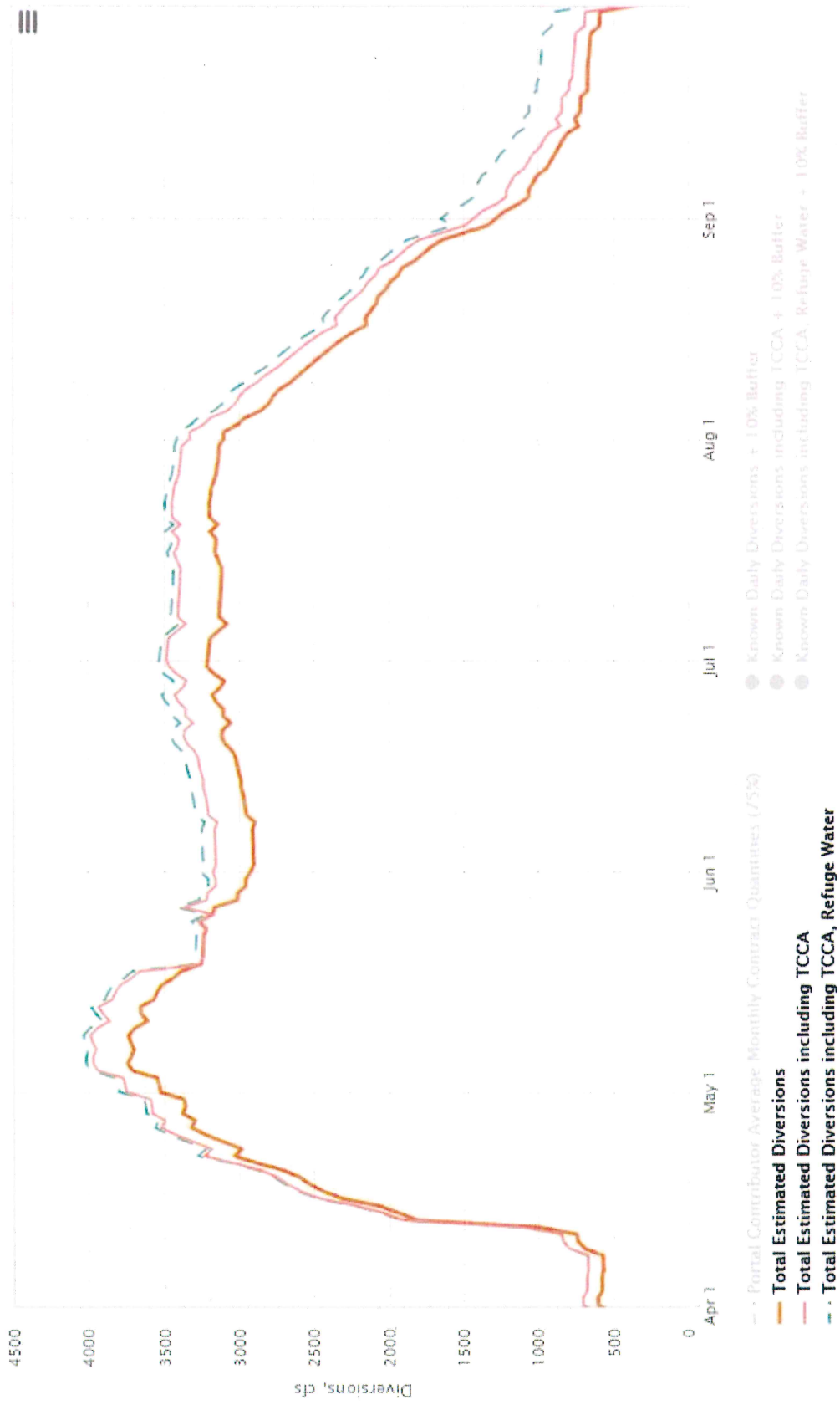
Temperature Management Plan to be submitted this week

- Incorporates comments on Draft from SRSC, NMFS, SWRCB
- SWRCB identified 1.25 MAF EOS carryover storage target

Drought Contingency/Action Plan to be submitted by USBR/DWR on Friday

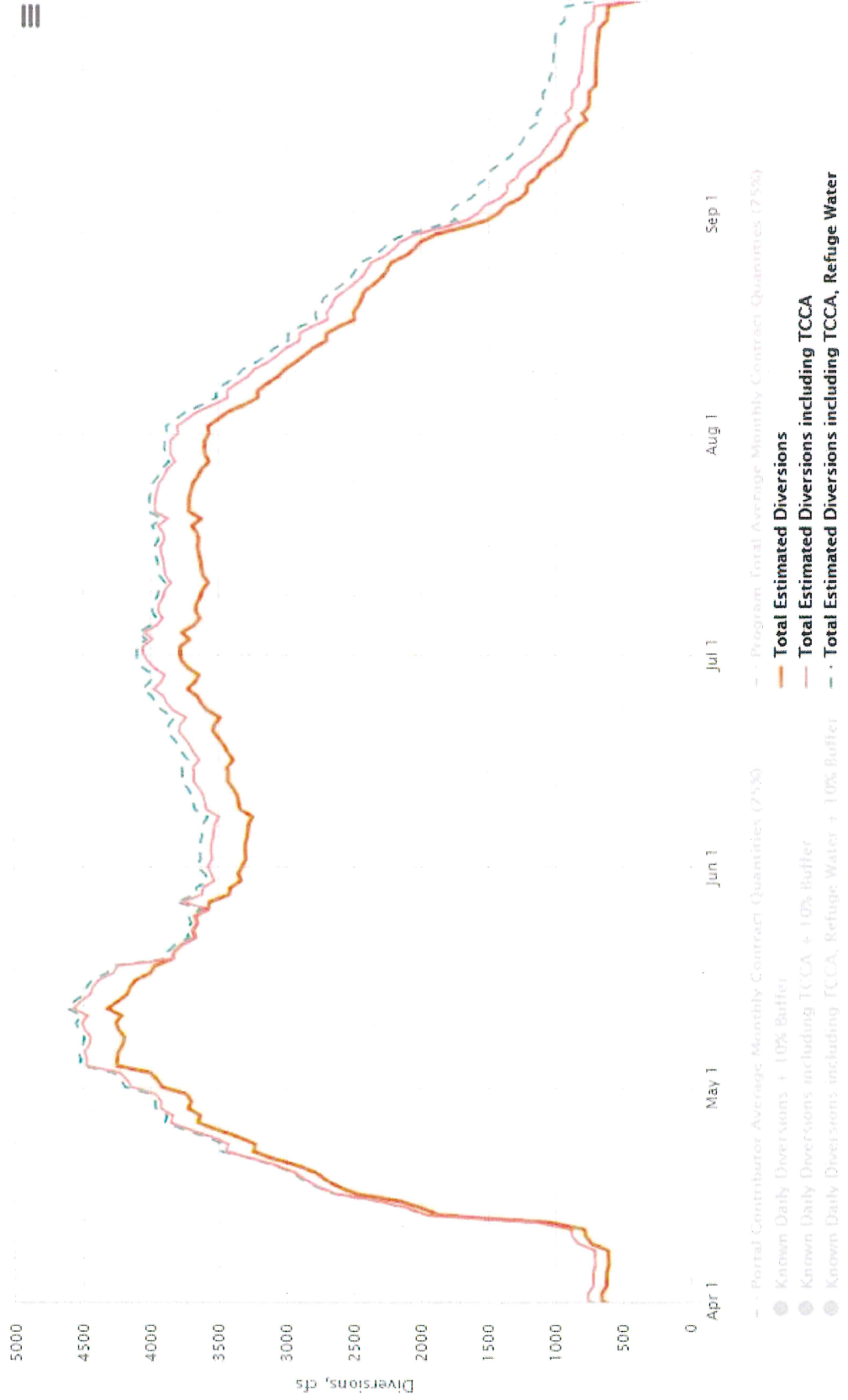
# Sacramento River Settlement Contractors (Upstream)

## 2021 Diversions Under 75% Contract Supply

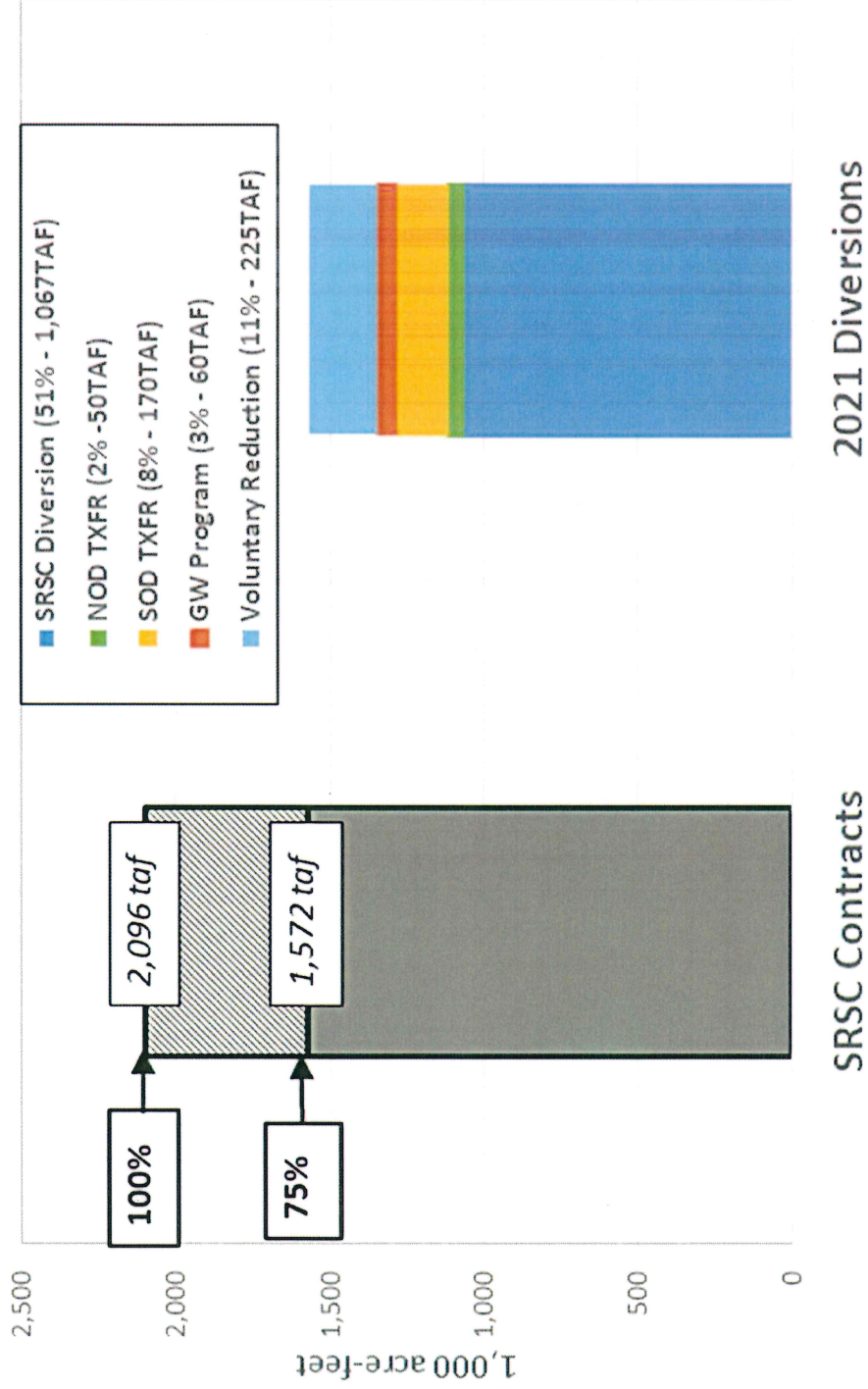


# Sacramento River Settlement Contractors (Total)

## 2021 Diversions Under 75% Contract Supply



# SRSC Diversion Schedules



# Forecasted Shasta Ops – 90%

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Keswick release schedule proposed to meet 1.25 MAF carryover target

- June: 7,100 cfs
- July: 7,500 cfs
- August: 7,100 cfs
- September: 5,800 cfs

Temperature target anticipated to be 56 degrees at Hwy 44 for summer

Wilkins Slough target of 3,500 cfs

# Forecasted Shasta Ops – 90%

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Flow (cfs)	Jun	Jul	Aug	Sep
Keswick	7100	7500	7100	5800
SRSC - Upstream	3150	3450	2500	1000
TCCA	250	275	200	125
Refuge	80	50	80	220
Other Losses	150	150	250	150
Wilkins	3470	3575	4070	4305
SRSC - Dwnstream	550	650	450	80

# Water Transfers

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Forbearance Agreements executed

Proposals under review by USBR

Groundwater pumping has begun

Crop idling/shifting field inspections are occurring

Proposed up-to quantities total about 235 TAF

- 35 TAF to TCCA
- 200 TAF to South-of-Delta buyers



## 2021 Water Transfers to SLDMWA/SCVWD

75% Settlement Contractor Supply  
(prior to subtracting 13% streamflow depletions)

Participant	Method	TOTAL
Anderson-Cottonwood ID	GW	4,100
Conaway Preservation Group	CI/S	7,566
Glenn-Colusa ID	CI/S	42,287
Henle Family Limited Partnership	GW	500
Lewis Ranch	CI/S	592
Natomas CMWC	GW	16,000
Pelger MWC	GW	3,750
Pelger Road 1700, LLC	GW	4,395
Pelger Road 1700, LLC	CI/S	882
Pleasant Grove- Verona MWC	GW	11,075
Pleasant Grove- Verona MWC	CI/S	4,425
Princeton-Codora-Glenn ID	CI/S	2,644
Provident ID	CI/S	5,309
RD 108	CI/S	31,006
RD 1004	CI/S	12,517
River Garden Farms	GW	7,458
River Garden Farms	CI/S	8,139
Sutter MWC	GW	18,000
Sutter MWC	CI/S	15,472
Sycamore MWC	CI/S	3,534
Te Velde	GW	2,000
Windswept Orchards, LLC (Burroughs Farms)	GW	1,300
<b>SUB-TOTAL</b>	GW	<b>68,578</b>
	CI/S	<b>134,373</b>
<b>TOTAL</b>		<b>202,951</b>

**RESOLUTION NO. 2021-002**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF ANDERSON-COTTONWOOD IRRIGATION DISTRICT**

**(1) DIRECTING STAFF TO IMPLEMENT WATER CONSERVATION MEASURES,  
(2) RECOMMENDING LANDOWNERS IMPLEMENT WATER CONSERVATION  
MEASURES, AND (3) REDOUBLING ADHERANCE TO AND ENFORCEMENT OF  
THE DISTRICT'S RULES AND REGULATIONS, INCLUDING THOSE REQUIRING  
EFFICIENT WATER USE**

**WHEREAS**, the State of California is experiencing critically dry conditions, with 2021 projected to be one of the driest years on record;

**WHEREAS**, the Anderson-Cottonwood Irrigation District (District) has contracted with the U.S. Bureau of Reclamation for water supply from the Central Valley Project (CVP) via the Sacramento River in the annual amount of 125,000-acre feet; subject to shortage provisions; and

**WHEREAS**, pursuant to the CVP agreement, the U.S. Bureau of Reclamation has notified that the District will receive seventy five percent (75%) of the contract amount for agricultural use from the CVP during the 2021 water year; and

**WHEREAS**, in reliance on the CVP agreement, customers and landowners within the District planted crops that require irrigation; and

**WHEREAS**, on May 10, 2021 California Governor Gavin Newsom issued a proclamation of a state of emergency identifying specific conditions, including recent warm temperatures and extremely dry soils, and specifying that it is necessary to expeditiously mitigate the effects of drought conditions within the San Joaquin Delta Watershed Counties (including the District's counties of Shasta and Tehama Counties); and

**WHEREAS**, the District has adopted reasonable rules and regulations governing water distribution and use, including rules requiring efficient water use; and

**NOW, THEREFORE BE IT RESOLVED AND PROCLAIMED** that the Board of Directors of Anderson-Cottonwood Irrigation District directs as follows:

- 1) The District's General Manager is directed to:
  - a. Regularly measure flows, including spills and tailwater, in the District's main canal and laterals to optimize canal operations, increase water efficiency, and reduce spills;
  - b. Regularly measure flows after the point of delivery to the District's customers to verify District's customers are efficiently utilizing water, avoiding waste and spills, and excessive tailwater;
  - c. Regularly communicate, assist and share wise water use information with District's customers to promote efficient uses of water, encourage water conservation and minimize spills or excessive tailwater from irrigation;
  - d. Reduce operational spill wherever and whenever possible to minimize water loss; and

- e. Subject to available budget and under the direction of the Board of Directors, conduct repair and/or maintenance activities at District canals, laterals, and structures to minimize water loss.
- 2) The District's customers are asked to:
- a. Voluntarily engage in water conservation and efficiency measures to minimize the demand on District water supplies with the goal being to reduce the District's total irrigation season diversion by 5% or 6,050 acre feet;
  - b. Seek technical assistance from District staff on activities, best practices, and projects to minimize customers' water use; and
  - c. Report water waste to District staff.
- 3) The District's General Manager and staff are directed to ensure landowner compliance with District's rules and regulations. Customers are asked to redouble their efforts to comply with District's rules and regulations governing water use, including implementing efficient water use practices and avoiding excessive water use.

**DULY PASSED AND ADOPTED** this 1<sup>st</sup> day of June, 2021 by the Board of Directors of Anderson-Cottonwood Irrigation District by the following vote:

AYES:  
NOS:  
ABSENT:  
ABSTAIN:

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JOHN S. CURREY  
GENERAL MANAGER

# Anderson-Cottonwood Irrigation District

TO: ACID Directors  
FROM: John S. Currey

Agenda Item No. 3.2  
Meeting Date: 06/01/2021

DATE: May 28, 2021

Action Item  
 No Action Requested

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**SUBJECT: Receive Staff Report and Provide Direction Regarding the Proposed Assistant General Managers for Operations Position**

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## Background:

As discussed last month, I am proposing the creation of an Assistant General Manager for Operations position. This position will be non-union as part of the overall organization structure that will take place in January 2022, when our current AG/CFO Terry White retires.

During the transition, key duties of the CFO will be reassigned to the General Manager and the Office Manager. This will be possible because of a new data management system and new payroll system that will reduce much of the manual administrative duties.

This restructuring of the administrative functions will allow for the creation of the Assistant General Manager for Operations Position. The primary responsibility of this position will be the operations and maintenance of the ACID facilities.

## Specific Duties:

- 1) Coordinate and Manage Maintenance Activities
  - a. Develop daily, weekly, monthly, and yearly maintenance plans and schedules.
  - b. Determine what planning, engineering, permitting, and materials are needed to efficiently implement maintenance capital improvement plans.
  - c. Schedule education and training of maintenance staff for safety, construction practices and equipment operations.
- 2) Coordinate and Oversee Canal Operations
  - a. Develop a comprehensive water operation strategy from source to customers.
  - b. Develop a future canal operations and improvement plan for normal and low water diversions (drought).
  - c. Implement ACID water measurement and management strategy in conjunction with an upgraded and expansion of the SCADA system.
  - d. Integrate the administrative and ditchtender data management system.
- 3) Capital Improvement Planning
  - a. Develop a 5-year plan of improvements focused to improve water management and reduce water loss.
  - b. Develop a conserved water plan and estimate for the past 10 years and for future capital improvements.
  - c. Develop a strategy for evaluating using in-house staff or outside contractors for capital improvement and large maintenance activities.

# Anderson-Cottonwood Irrigation District

## Outcomes:

- 1) Maintenance will be more proactive, including improved cost estimates and scheduling.
- 2) Canal operations will be documented and included in a new master Irrigation schedule to provide clarity to the ditchtenders and customers through improved data management and communication.
- 3) Water savings and environmental benefits will be identified in the capital improvement plans for the purpose of seeking grant funding.

## Ongoing management tasks the AGM will support:

- 1) Integrated Water Management Plan – using surface water, groundwater and storm water to insure long-term water availability.
  - a. Surface water issues – drought year planning and conserve water (allocation and protecting water rights).
  - b. Groundwater issues – develop a strategy that is compatible with the Groundwater Sustainability Plan that allows the conjunctive use of ACID and other wells to preserve the irrigated acreage during critical water years.
- 2) Water Rates – develop a comprehensive water rater study that defines baseline (non-transfer year) budgets.

This position would not replace the existing Union position of the Maintenance Supervisor. It will be responsible for the direct action to implement and monitor the daily activities related to the operations and maintenance of District facilities.

The AGM would be a non-union salaried position. The attached worksheet provides a range of compensation that could be offered based on the experience on the individual.

## **Recommendation:**

Staff requests the Board provide input on creating the Assistant General Manager for Operations position, possible compensation, and direct staff to prepare a job announcement, recruitment strategy and hiring process for Board consideration at the June 13 meeting.

## **Enclosures:**

Compensation worksheet

**Anderson-Cottonwood Irrigation District**

<b>Employee Compensation Worksheet</b>						
<b>Assistant General Manager for Operations</b>		<b>Current Rates</b>	<b>Proposed Compensation Range</b>		<b>General Manager</b>	<b>Existing AGM/CFO</b>
<b>Employee Gross Wages</b>			<b>\$57,200.00</b>	<b>\$72,800.00</b>	<b>\$95,000.46</b>	<b>\$60,174.40</b>
Hourly Rate			\$27.50	\$35.00	\$45.67	\$28.93
Total Hours Per Year			2080	2080	2080	2080
<b>Benefits</b>		<b>Monthly</b>				
Health Benefits (Assume Full Family)		<b>\$1,570.00</b>	\$18,840.00	\$18,840.00	\$18,636.00	\$14,220.00
Retirement		3%	\$1,716.00	\$2,184.00	\$2,850.01	\$3,452.80
Total Benefits			\$20,556.00	\$20,820.00	\$21,486.01	\$17,672.80
<b>Total Wage &amp; Benefits</b>			<b>\$77,756.00</b>	<b>\$93,620.00</b>	<b>\$116,486.47</b>	<b>\$77,847.20</b>
Cost Per Hour			\$37.38	\$45.01	\$56.00	\$37.43
<b>Taxes &amp; Insurance</b>						
FICA: Soc. Sec.		0.062	\$3,546.00	\$4,514.00	\$5,890.00	\$3,731.00
FICA: Medicare		0.0145	\$829.00	\$1,056.00	\$1,378.00	\$873.00
Workers Comp (Reported as T&D)		7.2	\$6,918.24	\$8,806.56	\$11,491.20	\$404.88
SUI (for 1st \$7000)		6.2	\$434.00	\$434.00	\$434.00	\$434.00
Total Taxes & Insurance			\$11,727.24	\$14,810.56	\$19,193.20	\$5,442.88
<b>Total Wages, Benefits, Taxes &amp; Insurance</b>			<b>\$89,483.24</b>	<b>\$108,430.56</b>	<b>\$135,679.67</b>	<b>\$83,290.08</b>
Cost Per Hour			\$43.02	\$52.13	\$65.23	\$40.04
Health Benefits (EE \$697, EE+Spouse \$1,158)						

## Anderson-Cottonwood Irrigation District

TO: ACID Directors  
FROM: John S. Currey

Agenda Item No. 3.3  
Meeting Date: 06/01/2021

DATE: May 27, 2021

Action Item  
 No Action Requested

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**SUBJECT: Receive Staff Report and Consider Department of Water Resources Request to fund Replacement Data Loggers in ACID Groundwater Monitoring Wells.**

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**Background:**

ACID owns a network of 18 groundwater monitoring wells and the Department of Water Resources (DWR) collects and posts the data. I recently received an email from DWR informing me that the data loggers in these wells are nearing the end of their life (see May 3 email). After some follow-up emails, I received their May 7 email which included a proposal to purchase and install 13 new data loggers for \$17,062.40. I have discussed these wells and the data loggers with staff at MBK who thought DWR's cost are comparable to their cost and that the collection of the data has value to the Groundwater Sustainability Plan and Water Transfer program.

I confirmed that in July 2010, ACID replaced 13 data loggers for a cost of \$22,750.99. Based on my conversations with DWR staff and MBK staff, I would recommend that the Board consider approving the replacement of the data loggers as identified on DWRs 05-07-2021 Cost Estimate.

**Recommendation:**

Staff requests the Board consider authorizing DWR to purchase and replace the 13 Data loggers for the estimated cost of \$17,062.40.

**Enclosures:**

May 5, 2021 Email  
May 7, 2021 Email  
05-07-2021 Cost Estimate

**From:** Dooley, Michelle@DWR <Michelle.Dooley@water.ca.gov>  
**Sent:** Monday, May 3, 2021 3:07 PM  
**To:** GM@acidistrict.org  
**Cc:** Scholzen, April@DWR  
**Subject:** New data loggers for ACID

**Importance:** High

Hi John,

I hope all is well with you.

I am reaching out to ask about getting new dataloggers for the District's monitoring wells.

CC'd is April Scholzen from our Data Collection and Management Section here in Red Bluff, who is familiar with the District's monitoring grid.

The list below shows ACID monitoring wells that have dataloggers that are reaching the end of their battery life and will need to be replaced very soon.

These dataloggers have been collecting continuous data for many years, and our office here in Red Bluff has and will continue to download the dataloggers regularly and periodically and process the data for ACID, free of charge, and upload the data to CASGEM.

These wells have provided excellent data for the District over the years, during water transfers, and now I imagine the data is being used to develop EAGSA GSP for the Anderson subbasin.

We would like to offer our assistance to the District in obtaining new dataloggers and associated cables. We can assist your purchase of new dataloggers by requesting a quote from the vendor, placing an order with our agency discount, and installing them in your monitoring wells.

	State Well Number
1	29N04W03R002M
2	29N04W03R003M
3	29N04W03R004M
4	29N04W03R005M
5	29N04W03R006M
6	30N03W18B001M
7	30N03W18B002M
8	30N03W30Q002M
9	30N03W32P003M
10	30N04W10H004M
11	30N04W10H005M
12	30N04W22F002M
13	30N04W22F003M



14	30N04W22F004M
15	30N04W23M001M
16	30N04W23M002M
17	30N04W25D003M
18	30N04W25D004M

Please let me know how the District would like to proceed.  
I can be reached at my work cell 530-945-0882 if you would like to talk.

Sincerely,  
Michelle

Michelle Dooley PG  
Supervising Engineering Geologist | Regional Planning Branch  
Division of Regional Assistance | Northern Region  
CA Department of Water Resources  
2440 Main Street Red Bluff, CA 96080  
Office (530) 529-7380 | [Michelle.Dooley@water.ca.gov](mailto:Michelle.Dooley@water.ca.gov)

**From:** Dooley, Michelle@DWR <Michelle.Dooley@water.ca.gov>  
**Sent:** Friday, May 7, 2021 5:25 PM  
**To:** GM@acidistrict.org; Scholzen, April@DWR  
**Subject:** RE: New data loggers for ACID  
**Attachments:** ACID datalogger replacement estimate.xlsx

Hi John, please see our responses below:

1. Does DWR have information on the what brand and model of pressure transducer / data logger is being used currently.
  - a. whichever model currently being used will be replaced with **Level TROLL 400, Level Sensor Range - 60m, 197 ft (100 Psia) and non-vented cables.**
2. Does the entire thing need to be replaced if the batteries are just running low?
  - a. yes, it is our strong recommendation that the **datalogger (sensor and battery) and cable** be replaced as a whole.
  - b. It is our experience that purchasing an external battery to run the datalogger is very unreliable.
  - c. It is our experience that, over time, the cables crack and leak. If you put a new datalogger on an old cable and this happens, water is introduced into the datalogger and it will short out; this damage is not covered under warranty.
  - d. The dataloggers have an estimated 5-8 year lifespan.
  - e. All of the dataloggers due for replacement were purchased and installed at the same time, which was over 8 years ago. Therefore, it is highly likely that they will all start to fail together. A few have already failed.
  - f. The monitoring wells that currently have the dataloggers were drilled in 2004, with a grant from DWR, with the intent of characterizing the groundwater occurrence in the District. When the grant money ran out, our office stepped up to take over monitoring them and we have continuously maintained, collected, processed, and uploaded the data for free.
  - g. The District has replaced the dataloggers once before, when Stan was the GM.
3. Are their alternatives to replacing the whole unit?
  - a. No. In the end, it is more cost and time effective to replace the whole unit and that is what we have done for our own monitoring wells for decades.
4. We are using data for well 29N04W02P001M, can you let me know if this is part of our network?
  - a. This well is an old ag well that we currently measure as part of CASGEM and water transfer monitoring.
5. When is the drop dead date to do the replacements? Is there an imminent failure risk?

- a. We strongly recommend the dataloggers on the list be replaced very soon, within the next 60 days. There is a high imminent failure risk considering their age.

Attached please find a rough estimate cost to replace the District's dataloggers if we order them for you.

I hope this is helpful for you. Let us know if you have any questions.

Have a great weekend!

Thank you,  
Michelle

**ACID Dataloggers and Cables - DUE FOR REPLACEMENT  
Vendor to DWR: In-Situ Inc.**

**05-07-2021 Cost Estimate**

State Well Number	Datalogger	Unit Price	Cable Length (ft)	Unit Price	Total to Replace
30N03W18B001M		\$795.00	50	\$299.00	\$1,094.00
30N03W18B002M		\$795.00	100	\$449.00	\$1,244.00
30N03W30Q002M		\$795.00	100	\$449.00	\$1,244.00
30N03W32P003M		\$795.00	100	\$449.00	\$1,244.00
30N04W10H004M		\$795.00	50	\$299.00	\$1,094.00
30N04W10H005M		\$795.00	100	\$449.00	\$1,244.00
30N04W22F002M	Level TROLL 400, Level Sensor Range - 60m, 197 ft (100 Psia)	\$795.00	80	\$449.00	\$1,244.00
30N04W22F003M		\$795.00	80	\$449.00	\$1,244.00
30N04W22F004M		\$795.00	100	\$449.00	\$1,244.00
30N04W23M001M		\$795.00	100	\$449.00	\$1,244.00
30N04W23M002M		\$795.00	100	\$449.00	\$1,244.00
30N04W25D003M		\$795.00	100	\$449.00	\$1,244.00
30N04W25D004M		\$795.00	100	\$449.00	\$1,244.00
Subtotal					\$15,872.00
Estimated sales tax 7.5%					\$1,190.40
<b>Grand total</b>					<b>\$17,062.40</b>