

501 Taft Highway Bakersfield, California

TUESDAY, April 20, 2021

AGENDA

CALL TO ORDER AND ANNOUNCEMENT OF QUORUM

12:00PM

CLOSED SESSION:

- **A.** Conference with Legal Counsel Existing Litigation Closed Session Pursuant to Gov. Code § 54956.9(d)(1):
 - 1. SWRCB Kern River
 - 2. Rosedale Rio Bravo Water Storage District, et al. v. Kern County Water Agency, et al.
- **B.** Conference with Legal Counsel Initiation of Litigation Closed Session Pursuant to Gov. Code § 54956.9(d)(4):
 - 1. One Potential Matter
- C. Wages and Salaries Annual Review Pursuant to Government Code § 54957.6

REGULAR SESSION:

1:30PM

INTRODUCTION OF GUESTS AND PUBLIC

- **PUBLIC COMMENT** (Members of the public may address the Board of Directors on any matter not on the agenda, but absent extraordinary circumstances, the Board may not act on such matters. Members of the public may address items of interest that are listed on the agenda prior to the Board's decision on such items.)
- II. CONSENT CALENDAR (The Board will consider various non-controversial routine items and issues relating to matters which are of interest to the District. Any Board Member may request that any or all items be considered and acted upon independently of the others.)
 - A. Approval of Minutes from the Regular Board Meeting of March 16, 2021.
 - B. Approval of March/April District Construction and Water Banking Disbursements.
 - C. Approval of March/April District Disbursements.
- III. BUSINESS AND FINANCE (The Board will consider various items and issues relating to financial matters which are of interest to the District.)
 - A. Business & Finance Committee Report–April 15, 2021.
 - i. Approval of March 2021 Financial Reports.
 - ii. District Healthcare Benefits Review and Recommendation.
 - iii. 2021 COLA Review and Recommendation.

- IV. OPERATIONS AND PROJECTS (The Board will consider various items and issues relating to matters which have been, or will be, considered by committees of the Board and which are of interest to the District.)
 - A. Operations and Projects Committee Report April 6, 2021.
 - i. District Facility and Maintenance Update.
 - ii. District Encroachment Permit Report.
 - iii. Wrought Iron Gate Discussion.
 - iv. PG&E Utility Bridge Removal on Eastside Canal.
 - B. City of Bakersfield Multi-Use Path Project / 23 Ditch.
 - i. Approval of Common Use Agreement.
 - C. District Office Expansion Update.
 - i. Approval of Contract Change Order No. 4.
- V. <u>KERN RIVER WATERMASTER</u> (The Board will consider various items and issues relating to the Kern River Watermaster that are of interest to the District.)
 - A. District Watermaster Report.
 - i. State Water Project 5% allocation.
 - ii. Kern River Runoff Forecast.
 - iii. 2021 Proration.
 - B. Kern River Watermaster Report.
 - i. Isabella Dam Safety Remediation Report.
- VI. MANAGER'S REPORT (The General Manager will discuss, and the Board will consider various items and issues relating to the ongoing and future operations of the District which are of interest to the Board)
 - A. Sunset Groundwater Recharge Facility.
 - Approval of Sunset Groundwater Recharge Facility Operation and Maintenance Agreement between Kern Delta Water District and Arvin Edison Water Storage District.
 - ii. Amendment to MOU for Joint Use of AE Intake Canal Between Arvin Edison Water Storage District and Kern Delta Water District.
 - B. Kern Delta/Wheeler Ridge Intertie Feasibility Study Cost Share.
 - C. External Agency Report.
 - D. Water Banking Projects Report.
 - E. VAWC April 2021 Sacramento Report.
- VII. <u>ATTORNEY'S REPORT</u> (Legal Counsel will discuss, and the Board will consider items and issues of legal interest to the District.)
- VIII. BOARD MEMBER COMMENTS (This item provides Board Members with an opportunity to make announcements or provide general comments.)

IX. ADJOURN

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Lynn Fredricks at the District Office (661-834-4656). Please attempt to make such requests known at least 24 hours before the scheduled meeting. Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the District, 501 Taft Highway, Bakersfield, CA.

Tab II





To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: April 20, 2021

Re: Agenda Item II – Consent Calendar

RECOMMENDATION:

Approve items A through C listed under Agenda Item II – Consent Calendar.

DISCUSSION:

Consent Calendar items are non-controversial routine matters. Board Members may request that any or all items listed under the Consent Calendar be moved to the regular agenda to be discussed and voted on separately. Otherwise, all items will be approved through one motion and vote.

- **II A.** Approval of Minutes from the Regular Board Meeting of March 16, 2021 (attached).
- **II B.** Approval of March/April District Construction and Water Banking Disbursements totaling \$1,518,640.93* (attached) partially recommended for approval by the Operations and Projects Committee (see April 6, 2021 Operations and Projects Committee Minutes for additional detail).
- **II C.** Approval of March/April District Disbursements (attached) recommended for approval by the Business and Finance Committee (see April 15, 2021 Business and Finance Committee Minutes for additional detail).

*The total includes disbursements approved by the Operations and Projects Committee (\$43,133.71) and an additional amount (\$1,518,640.93) for invoices which came in after April 6, 2021.



MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS

March 16, 2021

TUESDAY, February 16, 2021, 12:36PM-3:10PM

DIRECTORS PRESENT:

DIRECTORS PRESENT VIA VIDEO: Palla, Kaiser, Tillema, Antongiovanni, Collins, Mendonca, and Spitzer.

DIRECTORS ABSENT: Bidart and Garone.

STAFF PRESENT: General Manager Teglia, Water Resources Manager Mulkay, Assistant General

Manager Bellue, General Counsel Iger, Controller Duncan, Hydrographer Hyatt, and

Outside Counsel Hartsock.

OTHERS PRESENT VIA VIDEO: Nick Cooper, Eric McDaris, Doug Gosling, George Cappello, and Kate White.

CLOSED SESSION DECLARED AT 12:36PM

President Palla called to order the Closed Session of the Kern Delta Board of Directors at 12:36PM regarding the following agenda items:

- A. Conference with Legal Counsel Existing Litigation Closed Session Pursuant to Gov. Code § 54956.9(d)(1):
 - 1. SWRCB Kern River
- B. Conference with Legal Counsel Initiation of Litigation Closed Session Pursuant to Gov. Code § 54956.9(d)(4):
 - 1. Two Potential Matters
- C. Conference with Legal Counsel Potential Litigation Closed Session Pursuant to Gov. Code § 54956.9(d)(2), (e)(1):
 - 1. One Matter

Closed Session was concluded at 1:21PM.

REGULAR SESSION DECLARED AT 1:34PM

President Palla called to order the Regular Session of the Kern Delta Board of Directors at 1:34PM.

Closed Session Report: District General Counsel Iger reported the following:

Items A. - C.: No reportable action.

INTRODUCTION OF GUESTS AND PUBLIC

Those listed as others present were announced as guests.

I. PUBLIC COMMENT

None.

II. CONSENT CALENDAR

M/S/C (Mendonca/Antongiovanni) (yes-7, no-0): By roll call vote, with Directors Bidart and Garone absent, the Board approved and authorized items II A through II C of the Consent Calendar.

- A. Approval of Minutes from the Regular Board Meeting of March 2, 2021 and the Special Board Meeting of March 3, 2021.
- B. Approval of the February/March District Construction and Water Banking Disbursements.
- C. Approval of the February/March District Disbursements.

III. BUSINESS AND FINANCE

- A. <u>Business & Finance Committee March 11, 2021:</u> District Controller Duncan provided a report from the March Business & Finance Committee Meeting.
- A(i). <u>Approval of February 2021 Financial Reports:</u> Mr. Duncan presented the February 2021 District and Water Banking Project Financial Statements, Treasurer's Reports, and District Delinquency Report.
- M/S/C (Antongiovanni/Tillema) (yes-7, no-0): By roll call vote, with Directors Bidart and Garone absent, the Board approved the February 2021 District and Water Banking Project Financial Statements, Treasurer's Reports, and Delinquency Report as presented.
- A(ii). <u>District Equalization Review and Recommendation</u>: Mr. Duncan presented a list of Equalization accounts that were no longer active but had residual unpaid balances. Following staff review and discussion with the Business and Finance Committee, staff proposed a procedure for writing off the delinquent amounts, which in all cases were aged over five years, and setting conditions for any future request to reactivate the account. Specifically, 25 accounts with a combined total aged balance of \$5,164.90 will be written off and listed as inactive. Any future request to reactivate a deactivated account will require payment of a \$200 activation fee and ensure appropriate infrastructure to receive water.
- $\underline{\text{M/S/C}}$ (Antongiovanni/Tillema) (yes-7, no-0): By roll call vote, with Directors Bidart and Garone absent, the Board approved writing off \$5,164.90 in aged Equalization receivables, the deactivation of 25 Equalization accounts, and the procedures for future reactivation of a deactivated Equalization account.
- A(iii). <u>District Healthcare Funding Review and Recommendation</u>: Staff provided an update regarding the status of the District's healthcare funding program. Following the presentation of information, staff recommended a change in the way healthcare funding occurred annually tied to the budget process. Staff noted the Business and Finance Committee recommended approval of the staff recommended change. Following discussion of the item, the Board decided to send the topic back to the Business and Finance Committee for further review and recommendation.

B. <u>Approval of Resolution 2021-03 Setting District 2021 State Water Tolls:</u> Staff presented a worksheet providing the annual calculations for the various options the Board can consider when setting the District State Water Tolls. After discussion, the concurred with the recommendation from the Business and Finance Committee and approved the 90% calculation for 2021, which was nearly identical to the 2020 tolls.

M/S/C (Antongiovanni/Kaiser) (yes-7, no-0): By roll call vote, with Directors Bidart and Garone absent, the Board approved Resolution 2021-03 setting the District 2021 State Water Tolls based on the 90% calculation option.

IV. OPERATIONS AND PROJECTS

- A. A(i-iii). <u>Operations and Projects Committee March 2, 2021:</u> Assistant General Manager Bellue briefly reported on the March Operations and Projects Committee Meeting including District maintenance activities, recent encroachment permit requests, and the progress of the District Office Expansion Project.
- B. B(i-ii). <u>Branch 1 at Hosking Avenue Project:</u> Mr. Bellue provided a brief overview of a development project which will include the relocation and pipelining of a portion of the Branch 1 canal at Hosking Avenue. The project, which has been reviewed and recommended for approval, requires the execution of both a Grant of Easement to the District as well as a Ditch Eradication and Common Use Agreement. Both documents were presented to the Board for approval.

<u>M/S/C (Spitzer/Collins) (yes-7, no-0):</u> By roll call vote, with Directors Bidart and Garone absent, the Board approved the Grant of Easement to Kern Delta Water District and the Ditch Eradication and Common Use Agreement associated with the Branch 1 at Hosking Avenue Project.

V. KERN RIVER WATERMASTER

- A. A(i). <u>District Water Master Report:</u> District Hydrographer Hyatt reviewed and discussed the water supplies of the District for the month of February and early March. Approximately 13,083 acre-feet of water was delivered in District during February. In addition, Mr. Hyatt provided graphical information regarding depth to groundwater at various monitoring locations throughout the District. Mr. Hyatt also provided information related to a long-term seasonal outlook, which included current river runoff forecast information showing a 29% year on the Kern River.
- B. B(i). <u>Kern River Watermaster Report:</u> The March Kern River Watermaster Report and Isabella construction update, provided by the Army Corps of Engineers, were not available for this meeting.

VI. MANAGER'S REPORT

- A. <u>Public Hearing Regarding the Adoption of the Kern Delta 2020 Agricultural Water Management Plan (AWMP):</u> President Palla opened the Public Hearing and called upon staff for comments. Mr. Teglia provided a brief introduction regarding the development of the Kern Delta 2020 AWMP, which is required to be updated and submitted to the Department of Water Resources every 5 years. This plan provides the necessary updates to the Districts 2015 AWMP. Mr. Teglia then introduced Kate White from Todd Groundwater who provided a PowerPoint presentation on the highlights of the 2020 AWMP. Following the presentation, President Palla called for public comments, seeing none the Public Hearing was closed and the item was returned to the Board for action.
- A(i). <u>Approval of Resolution 2021-04 Adopting the Kern Delta 2020 Agricultural Water Management</u> Plan:

M/S/C (Mendonca/Kaiser) (yes-7, no-0): By roll call vote, with Directors Bidart and Garone absent, the Board approved Resolution 2021-04 Adopting the Kern Delta 2020 Agricultural Water Management Plan.

- B. External Agency Report: Mr. Teglia provided verbal comments supplementing a memorandum included in the Board package which provided information on the meetings and activities of various external agencies. These agencies include, but are not limited to, the Kern County Water Agency (including the status of the Delta Conveyance Project and Contract Extension), Kern Fan Authority, Kern River Watershed Coalition Authority, Kern Groundwater Authority, Kern River Groundwater Sustainability Agency, the South Valley Water Resources Authority, the Water Association of Kern County, and the Integrated Regional Water Management Plan.
- C. <u>Water Banking Projects Report:</u> Mr. Teglia provided verbal comments supplementing a memorandum included in the Board package which provided information on water banking project activity on the Kern River Fan. This included an update regarding a request for return water made by Metropolitan Water District of Southern California.

IX. ATTORNEY'S REPORT

A. <u>Legislative Update:</u> District General Counsel Richard Iger provided a brief overview and commentary regarding several pieces of legislation of note currently pending before the California State Legislature.

X. BOARD MEMBER COMMENTS

None.

XI. <u>ADJOURNMENT:</u>

There being no further business, President Palla adjourned the meeting at approximately 3:10PM.

Respectfully Submitted,

Steven Teglia, General Manager

Approved by Board,

Richard Tillema, Board Secretary

KERN DELTA WATER BANKING PROGRAM DISBURSEMENTS RECOMMENDED BY THE OPERATIONS & PROJECTS COMMITTEE April 6, 2021

# PAYEE			AMOUNT	CHECK
1 BC LAB	Water Sampling		1,050.00	2963
2 KCWA	TRF #21-025		2,200.00	2964
3 KCWA	TRF #21-027		3,000.00	2965
4 PGE-AE1	Well Utilities		224.29	2966
5 PGE-AE2	Well Utilities		172.58	2967
6 PGE-AE3	Well Utilities		183.31	2968
7 PGE-AE4	Well Utilities		214.81	2969
8 PGE-FR2	Well Utilities		409.24	2970
9 PGE-FR3	Well Utilities		42.54	2971
10 PGE-KB1	Well Utilities		2,665.04	2972
11 PGE-KB3	Well Utilities		1,812.26	2973
12 PGE-KB4	Well Utilities		2,791.25	2974
13 PGE-KB6	Well Utilities		715.41	2975
14 PGE-KD1	Well Utilities		5,988.00	2976
15 PGE-KD2	Well Utilities		8,232.82	2977
16 PGE-KI7	Well Utilities		4,993.13	2978
17 PGE-KI8	Well Utilities		8,439.03	2979
		TOTAL	\$43,133.71	

The following were received after the April 6, 2021 Operations & Projects committee meeting and will be reviewed at the April 15, 2021 Business and Finance Committee meeeting. \Box

PAYEE **AMOUNT CHECK** 1 BC LAB Water Samples 1,305.00 2980 2 BUY'S PIPE **Bushings** 96.42 2981 Grease Nipple 8.22 2982 **3 CARQUEST** 4 KDWBP Transfer to Kern County Treasury 1,400,000.00 2983 **Branch 1 Compaction Testing** 5 KRAZAN 2,670.00 2984 6 PGE-AE1 Well Utilities 101.27 2985 7 PGE-BV2 Well Utilities 50.79 2986 8 PGE-BV3 Well Utilities 42.38 2987 9 PGE-BV4 Well Utilities 43.03 2988 10 PGE-BV5 Well Utilities 42.03 2989

Well Utilities

Well Utilities

Well Utilities

Well Utilities

Well Utilities

11 PGE-FR2

12 PGE-KB1

13 PGE-KB3

14 PGE-KB4

15 PGE-KB6

TOTAL \$ 1,475,507.22

9,920.48

17,019.41

10,254.40

16,374.81

2990

2991

2992

2993

2994



To: Kern Delta Water District Board of Directors

From: Steven Teglia

Date: April 20, 2021

Re: Invoices and Disbursements, Special Projects & Water Banking Project Operation/Construction.

RECOMMENDATION:

Staff recommends payment of the following seventeen payables divided into three overall groups of: 1) water banking program design, construction, and construction support -- \$00.00; 2) water banking variable -- \$43,133.71; 3) Kern Delta Water District construction -- \$00.00. The total expenditure in March for these areas is \$43,133.71 (plus additional PG&E well energy stand-by cost).

DISCUSSION:

The following seventeen payables can be divided into three overall groups: 1) water banking program design, construction and construction support, 2) water banking variable, and 3) Kern Delta construction.

First group (Water Banking Program Design, Construction, and Construction Support):

Second group (Water Banking Variable):

- 1) BC Labs \$1,050.00 (Water quality testing)
- 2) K.C.W.A-\$2,200.00 (TRF #21-025)
- 3) K.C.W.A \$3,000.00 (TRF #21-027)
- 4) PG&E \$224.29 (AE-01, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 5) PG&E \$172.58 (AE-02, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 6) PG&E \$183.31 (AE-03, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 7) PG&E \$214.81 (AE-04, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 8) PG&E \$409.24 (FR-02, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 9) PG&E \$42.54 (FR-03, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 10) PG&E \$2,665.04 (KB-01, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 11) PG&E \$1,812.26 (KB-03, Power/stand-by energy cost for the wells associated with the Water Banking water production)

- 12) PG&E \$2,791.25 (KB-04, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 13) PG&E \$715.41 (KB-06, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 14) PG&E \$5,988.00 (KD-01, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 15) PG&E \$8,232.82 (KD-2, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 16) PG&E \$4,993.13(KI-07, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 17) PG&E \$8,439.03 (KI-08, Power/stand-by energy cost for the wells associated with the Water Banking water production)

Third group (Kern Delta Construction)

KERN DELTA WATER BANKING PROGRAM DISBURSEMENTS RECOMMENDED BY THE OPERATIONS & PROJECTS COMMITTEE April 6, 2021

# PAYEE			AMOUNT	CHECK
1 BC LAB	Water Sampling		1,050.00	2963
2 KCWA	TRF #21-025		2,200.00	2964
3 KCWA	TRF #21-027		3,000.00	2965
4 PGE-AE1	Well Utilities		224.29	2966
5 PGE-AE2	Well Utilities		172.58	2967
6 PGE-AE3	Well Utilities		183.31	2968
7 PGE-AE4	Well Utilities		214.81	2969
8 PGE-FR2	Well Utilities		409.24	2970
9 PGE-FR3	Well Utilities		42.54	2971
10 PGE-KB1	Well Utilities		2,665.04	2972
11 PGE-KB3	Well Utilities		1,812.26	2973
12 PGE-KB4	Well Utilities		2,791.25	2974
13 PGE-KB6	Well Utilities		715.41	2975
14 PGE-KD1	Well Utilities		5,988.00	2976
15 PGE-KD2	Well Utilities		8,232.82	2977
16 PGE-KI7	Well Utilities		4,993.13	2978
17 PGE-KI8	Well Utilities		8,439.03	2979
		TOTAL	\$43,133.71	

KERN DELTA WATER DISTRICT DISBURSEMENTS RECOMMENDED BY THE BUSINESS AND FINANCE COMMITTEE THURSDAY, APRIL 15, 2021

MARCH 2021 SUB TOTAL \$ 1,129,858.33

#	PAYEE	AMOUNT	CHECK
1	ACS MECHANICAL - 3 smoke detectors, install	2,323.91	44536
2	2 ADVANCED DISTRIBUTION - work lamps #405, #226, #227, #228, #405	1,134.16	44537
3	B AHERN RENTALS, INC purchase of forklift #405	34,314.64	44538
4	AMERIFUEL - fuel	5,834.90	44539
5	5 AMERICAN TRUCK & VAN ACCESSORIES - seat covers #226, #227, #228, #329	1,111.11	44540
6	5 BARON'S AUTO PARTS, INC gauge, oil filter	82.90	44541
7	BLACK/HALL CONSTRUCTION, INC progress payment 10	156,866.17	44542
8	3 CASH - replenish petty cash	81.95	44543
Ģ	O COUNTRY TIRE & WHEEL - tires	578.56	44544
10	CYGNET ENTERPRISES, INC Teton	68,999.29	44545
11	DERRELS MINI STORAGE - storage rental	1,311.65	44546
12	2 ELITE SITE SERVICES - portable restroom rental	2,598.93	44547
13	B H&S HOSE & SUPPLY, INC couplers	34.92	44548
14	JIM BURKE FORD - cannister, antifreeze	493.03	44549
15	5 K&R TOWING - tow #293	70.00	44550
16	6 KERN COUNTY PUBLIC WORKS - dumping fees	1,832.85	44551
17	KERN COUNTY WATER AGENCY - water quality sampling	566.66	44552
18	3 KERN COUNTY WATER AGENCY - BV exchange	1,400.00	44553
19	KERN COUNTY WATER AGENCY - 2021 2nd qtr. O&M	4,768.40	44554
20	KERN MACHINERY - switch, fuse holder #325	28.08	44555
21	KISCO SALES, INC gloves, fitting, bushing	202.13	44556
22	2 MARCOM GROUP - website hosting	95.00	44557
23	3 MOTOR CITY - temp sensor #101	82.27	44558
24	N.B. SALES & SERVICE, INC valve, throttle cable #T4	92.55	44559
25	5 O'REILLY AUTO PARTS - alternator #293	229.99	44560
26	6 PACVAN INC temp office rental	860.59	44561
27	PACIFIC GAS & ELECTRIC - office utilities	1,701.94	44562
28	B PRAXAIR DISTRIBUTION, INC electrode holder	69.63	44563
29	PRINCIPAL LIFE INSURANCE - 04/01-04/30/21 dental/vision/LTD premium	4,745.70	44564
30	PROGRESSIVE TECHNOLOGY, INC phone service	435.83	44565
31	SPARKLE TEXTILE RENTAL SERVICE - uniform service, mats	1,134.47	44566
32	2 SSD ALARM - alarm service	789.69	44567
33	3 STERLING ADMINISTRATION - HRA admin. fees	156.00	44568
34	Francisco Stationers - office supplies	392.69	44569
35	5 SUBURBAN PROPANE - propane	1,357.24	44570
36	5 TARGET SPECIALTY PRODUCTS - Cheetah, Torpedo, Nautique	57,769.36	44571
37	7 UNITED AG BENEFIT TRUST - annual membership dues	720.00	44572
38	3 VALLEY DECAL - decal #405	64.73	44573
39	WESTAIR GASES & EQUIPMENT, INC gases	46.98	44574
40) B & B SURPLUS, INC metal #227 & #228	48.26	44575
41	BLUE PRINT SERVICE CO copies	110.49	44576
42	2 CARQUEST, INC pump, solenoid #325	541.27	44577
43	3 COX, CASTLE & NICHOLSON LLP - legal consulting	4,344.00	44578
44	4 CUMMINS PACIFIC - service #322 & #324	2,552.02	44579

45 JIM BURKE FORD - filters	157.24	44580
46 JIM BURKE FORD - light duty truck #228	24,743.79	44581
47 JIM BURKE FORD - light duty truck #227	24,743.79	44582
48 O'REILLY AUTO PARTS - brake pads #214	58.50	44583
49 SPARKLE TEXTILE RENTAL SERVICE - uniform service, mats	368.97	44584
50 SPECTRUM - internet service	365.90	44585
51 TARGET SPECIALTY PRODUCTS - roundup	5,097.60	44586
52 TECH SUPPLY - tire changer	7,240.45	44587
53 PAYROLL #6	65,055.51	Wire
54 WORKLOGIC #6	1,295.00	Wire
55 EDD-STATE P/R #6	4,382.26	Wire
56 EFT-IRS P/R #6	21,798.39	Wire
57 LINCOLN LIFE - retirement program	11,075.10	Wire
58 LINCOLN LIFE - deferred comp.	3,191.00	Wire
59 MASS MUTUAL - deferred comp.	1,840.00	Wire
60 PAYROLL #7	64,966.78	Wire
61 PAYROLL PEOPLE #7	356.50	Wire
62 EDD-STATE P/R #7	4,361.55	Wire
63 EFT-IRS P/R #7	21,758.18	Wire
64 LINCOLN LIFE - retirement program	11,280.50	Wire
65 LINCOLN LIFE - deferred comp.	3,191.00	Wire
66 MASS MUTUAL - deferred comp.	1,840.00	Wire
	MARCH 2021 TOTAL \$ 1,772,001.28	•

# PAYEE	AMOUNT	CHECK
1 A-1 ANSWERING SERVICE - answering service	610.50	44588
2 ADVANCED DISTRIBUTION - wire	268.56	44589
3 AMERIFUEL - fuel	6,430.69	44590
4 BLUE PRINT SERVICE - weir plans	16.02	44591
5 BAKERSFIELD CALIFORNIAN - AWMP 2020 publishing	455.08	44592
6 ELITE SITE SERVICES - portable restroom rental	2,598.93	44593
7 ELLISON, SCHNEIDER & HARRIS - legal consulting	5,488.91	44594
8 GREENFIELD CO. WATER - water service	177.25	44595
9 HEREDIA CABLING SOLUTIONS - rerouting camera, cabling, and mounting cameras	9,747.21	44596
10 JIM BURKE FORD - fuel, oil, air filters, fuel gauge, solenoid #	489.90	44597
11 K.C. PUBLIC WORKS - dumping fee	1,139.85	44598
12 K.C. RECORDER - lien redemption fees	200.00	44599
13 KISCO SALES - parts for aquatic treatment equipment	63.86	44600
14 LAMONT FENCE - fencing - canal maintenance	4,065.00	44601
15 LINCOLN FINANCIAL GROUP - 401(a) maintenance fee	750.00	44602
16 LOWE'S - paint, nuts, bolts, diesel exhaust fuel, hooks, tubing, clamps	858.49	44603
17 McMURTREY, HARTSOCK - March professional services	20,230.00	44604
18 N.K. WATER STORAGE DISTRICT - 1st quarter W/M wages 2021	1,650.00	44605
19 ORKIN - pest control service	82.00	44606
20 PRICE DISPOSAL - dumping fee	13.22	44607
21 PROGRESSIVE TECHNOLOGY - IT support	4,555.41	44608
22 RANCHO TREE SERVICE - trees removed - BV	15,425.00	44609
23 SPARKLE TEXTILE RENTAL - uniform service, mats	734.46	44610
24 SSD ALARM - system installation	5,020.15	44611
25 STERLING ADMINISTRATION - HRA Admin fee	144.00	44612
26 STINSONS - office supplies, chair mats	849.59	44613

27 TARGET SPECIALTY PRODUCTS - Roundup Custom, Pro Spreader Activator	5,972.47	44614
28 THOMAS REUTERS - legal service subscription	500.00	44615
29 TODD GROUNDWATER - professional services	10,503.40	44616
30 TRANS-WEST - patrol service	1,186.17	44617
31 UNITED AG BENEFIT TRUST - April 2021 medical premiums	29,727.53	44618
32 VACUSWEEP - parking lot maintenance	300.00	44619
33 WELLS FARGO BANK - admin. Fee - 4/15/2021 thru 4/14/2022	4,500.00	44620
34 WESTAIR GASES - welding supplies, gases, cylinder purchases	1,795.42	44621
35 WEST COAST MAINTENANCE - cleaning service	474.30	44622
36 WHITE CAP - first aid kits	294.65	44623
37 CITIZENS CARDMEMBER SERVICES - lunches, kitchen supplies, fuel	1,937.44	44624
38 JIM BURKE FORD - new vehicle - F550 2021	56,917.32	44625
39 SIERRA SCHOOL EQUIPMENT - furniture	92,172.30	44626
APRIL 2021 SUB TOTAL	\$ 288,345.08	

KERN DELTA WATER DISTRICT & KDWBP

Anticipated Disbursements - Month End - March 2021

Payee	Reason	April 2021 Estimated
AMERIFUEL	Gas/Diesel fuel - 2/1/20 - 2/15/20	6,606.00
B & B SURPLUS	Canal maintenance materials	165.00
BLACK/HALL CONSTRUCTION	Construction progress billing	110,000.00
COUNTRY TIRE	Vehicle tires	578.56
COX, CASTLE & NICHOLSON LLP	Legal services	5,393.00
DERREL'S MINI STORAGE	Monthly rental offsite storage	354.50
ELITE SITE SERVICES	Construction costs - monthly restrooms rental	2,598.93
ELLISON, SCHNEIDER, & HARRIS	State Board mediation	14,500.00
W.W. GRAINGER	Safety supplies	150.00
HALL LETTER SHOP	Stationary	335.00
JIM BURKE	Truck maintenance/repair	650.00
K.C. WASTE	Dumping	1,950.00
KERN COUNTY RECORDER	Lien redemption fees	100.00
KERN COUNTY WATER AGENCY	Pioneer Project	2,000.00
LINCOLN FINANCIAL	Pension/deferred comp contributions	14,500.00
MARCOM GROUP	District web site support	95.00
MASSACHUSETTS MUTUAL	Deferred compensation	1,840.00
MOTOR CITY	Truck maintenance/repair	85.00
NORTH KERN WSD	Watermaster wages	11,828.00
O'REILLY AUTO PARTS	Vehicle repair parts	250.00
ORKIN	Pest control - office	82.00
P.G.&E.	District office utilities	1,850.00
PACVAN, INC	Monthly alternative office rental	860.59
PRINCIPAL LIFE INS.	Dental/vision/life insurance premium	4,745.70
PROGRESSIVE TECH.	IT and computer system support	435.83
QUINN	Motorgrader maintenance/repair	481.00
SCHWEBEL PETROLEUM	Oil/lubricants	1,400.00
SPARKLE	Uniform/laundry service	1,300.00
SPECTRUM	Internet access	365.90
SSD SYSTEMS	Office alarm monitoring	378.06
STERLING ADMINISTRATION	HRA admin fee	156.00
STINSON'S	Office supplies	375.00
TARGET	Weed control chemicals	35,000.00
TODD ENGINEERS	Professional services	12,000.00
UNITED AG	Medical insurance monthly premium	31,943.73
WESTAIR	Welding supplies	400.00
		265,752.80

Tab III KERN DELTA WATER DISTRICT



BUSINESS & FINANCE COMMITTEE MEETING

501 Taft Highway Bakersfield, CA

THURSDAY, April 15, 2021 10:00AM

AGENDA

- 1. Call to order
- 2. Public Comment Period
- 3. Approve Minutes of March 11, 2021 Business & Finance Committee Meeting
- 4. Financial Reports and Accounts Payable:
 - a. Approve March and April Disbursements
 - b. Approve March 2021 Financial Reports
- 5. District Controller's Report:
 - a. Water Rights Protection and Litigation Reserve Review
 - b. Health Care Benefits Review and Recommendation
 - c. 2021 COLA Review and Recommendation
- **6.** Committee Comments

7. Adjourn

Bryan Duncan District Controller

Posted: Monday April 12, 2021 Bakersfield, California

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Lynn Fredricks at the District Office (661-834-4656). Please attempt to make such requests known at least 24 hours before the scheduled meeting. Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the District, 501 Taft Highway, Bakersfield, CA.

DIRECTORS PRESENT: Antongiovanni, Garone, Tillema

OTHERS PRESENT: From KDWD: General Manager Teglia, Water Resources Manager Mulkay, Assistant General Manager Bellue, Controller Duncan, General Counsel Iger, Administrative Assistant Rodriguez

1. CALL TO ORDER

Chair Antongiovanni called the meeting to order at 10:07 A.M.

2. PUBLIC COMMENTS

None.

3. APPROVAL OF PREVIOUS COMMITTEE MEETING MINUTES

a. **M/S/C** (**Tillema/Garone**) (**yes – 3, no – 0**): The Business & Finance Committee approved the minutes of the Business & Finance Committee meeting held on March 11, 2021.

4. FINANCIAL REPORTS AND DISBURSEMENTS

a.- b. Approval of March 2021 and April 2021 Disbursements and March 2021 Financial Reports.

<u>M/S/C (Garone/Tillema) (yes -3, no -0):</u> The Business & Finance Committee recommends the Board approve the March 2021 and April 2021 District Disbursements, the anticipated April 2021 end of month Disbursements, and the March 2021 District and Water Banking Project Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

5. DISTRICT CONTROLLER'S REPORT

- a. Staff reviewed the District's Water Rights Protection and Litigation Reserve and, after a brief discussion, staff was directed to leave the reserve as is.
- b. Staff provided information regarding the current funding of the District's employee health benefits program. Staff recommended a change to how this program is funded annually and after discussion the Committee agreed with the staff recommendation and forwarded the item to the Board for discussion and approval.
- c. 2021 COLA Review and Recommendation. Staff presented the committee with a memorandum which outlined several CPI indices utilized during the annual COLA review process. Following discussion, the Committee recommended a 2021 COLA of 1.5% to the Board.

<u>M/S/C (Garone/Antongiovanni) (yes -3, no -0):</u> The Business and Finance Committee recommends the Board approve a COLA adjustment of 1.5% effective May 1, 2021.

6. ADJOURN

Respectfully submitted

Chair Antongiovanni adjourned the meeting at 12:00 P.M.

respectivity	~		
Kevin Anton	oiovanni —	 Chair	

Kern Delta Water District Balance Sheet As of March 31, 2021

Current Assets: Cash & Securities in Bank \$ 20,581,874 \$ 24,202,731 \$ (3,620,85) Accounts Receivable 1,117,708 1,071,762 45,94	<u> </u>
Accounts Receivable 1,117,708 1,071,762 45,94	
Accounts Receivable 1,117,708 1,071,762 45,94	56)
	,
Due From KDWBP	
Inventories & Prepaid Expenses 272,370 116,934 155,43	_
Total Current Assets <u>21,971,953</u> <u>25,391,427</u> (3,419,47)	74)
Fixed Assets	
District Structures, Rights of Way \$ 15,733,298 \$ 13,001,544 \$ 2,731,75	54
Construction in Progress 2,122,165 1,961,909 \$ 160,25	
CVC Expansion 8,776,668 8,622,495 154,17	
Machinery & Equipment 2,338,677 2,245,560 93,1	
28,970,808 25,831,507 3,139,30	
Accumulated Depreciation (6,740,569) (6,702,569) (38,00	00)
Net Fixed Assets 22,230,239 19,128,938 3,101,30	
Investment in Joint Powers Authority \$ 11,480 \$ -	
Investment in MET Program 8,890,130 8,890,130 -	
Total Assets \$ 53,103,802 \$ 53,421,975 \$ (318,17)	74)
Liabilities & Equity	
Current Liabilities:	
Trade Accounts Payable \$ 214,896 \$ 218,727 \$ (3,83	31)
Deferred Revenue	
Accrued Liabilities 137,188 162,993 (25,80	_
Total Current Liabilities <u>352,084</u> <u>381,720</u> (29,63	36)
Long-Term Liabilities:	
Bonds & COP Borrowing \$ 4,015,000 \$ 4,015,000 \$ -	
Bonds Premium & Costs 148,858 -	
Total Long-Term Liabilities 4,163,858 4,163,858 -	
Total Liabilities 4,515,941 4,545,577 (29,63	36)
Equity:	
Equity From Past Years \$ 50,269,300 \$ 50,269,300 \$ -	
Accumulative Equity - Current Year (1,681,439) (1,392,902) (288,53	38)
Total Liabilities & Equity \$ 53,103,802 \$ 53,421,975 \$ (318,17	

Kern Delta Water District Cash Variance Analysis March 31, 2021

Cash Received:

Net positive/(negative) variance	(3,620,856)
	(3,956,774)
Property Purchase - A/C Electric	(2,726,954)
Payrolls Paid	(241,848)
Accounts Payable Paid	(987,972)
Cash Disbursed:	
	335,918
Interest Received	1,399
Share of Property Tax Receipts	53,742
Accounts Receivable Collections	280,776

Kern Delta Water District Accounts Receivable Variance Analysis March 31, 2021

Revenue Added to Accounts:

Water Sales - Utility Water	214,047
Seepage Revenue	109,745
Other Misc Revenues	2,931
	326,722

Cash Received on Account:

Water Payments	(183,457)
Misc Payments	(53,112)
Assessments Payments	(44,206)
	(280,776)

Net positive/(negative) variance 45,946

Due From KDWBP

Kern Delta Water District Inventory/Prepaids Variance Analysis March 31, 2021

Additions to Accounts:

Weed Control Chemicals Purchased	200,023
Prepaid Additions	
	200,023
Usage/Amortization: Chemicals Consumed During Month	(35,575)
Amortization of Prepaid Accounts	(9,012)
	(44,587)
Net positive/(negative) variance	155,436

Kern Delta Water District Operating Results - Year To Date Through the Month Ended March 31, 2021

		Actual Current Month	Ac	ctual Year to Date		Annual Budget	YTD as % of Annual Budget (Target is 25%)	R	Budget Remaining
REVENUES:									
State water sales	\$	_	\$	_	\$	1,179,193	0%	\$	1,179,193
Utility water sales	·	214,047	•	483,666	·	3,214,297	15%	·	2,730,631
COB/Cal Water/GCWD Revenue		114,752		114,752		900,000	13%		785,248
Equalization		-		9,152		9,147	100%		(4)
Assessments		(5,007)		1,006,373		1,014,767	99%		8,394
Share of county tax		53,742		205,078		4,316,386	5%		4,111,308
ILRP Contract Revenue		-		-		-			-
Interest income		1,399		8,489		441,000	2%		432,511
Other income		(6,131)		17,499		175,000	10%		157,501
Water Transfer Charges		-		182,750		731,000	25%		548,250
Water Banking Expense Reimbursement		-				150,000	0%		150,000
Total income	\$	372,803	\$	2,027,759	\$	12,130,790	17%	\$	10,103,031
EXPENDITURES:									
Source of supply:									
State water costs	\$	-	\$	1,961,766	\$	2,725,000	72%	\$	763,234
Exchange fees		1,400	·	1,400	·	76,500	2%	·	75,100
Watermaster, City, Isabella		100,610		42,972		361,400	12%		318,428
Miscellaneous source costs		-		10,098		500,000	2%		489,902
Total Source of supply	\$	102,010	\$	2,016,236	\$	3,662,900	55%	\$	1,646,664
Transmission and Distribution:									
Labor	\$	215,686	\$	616,364	\$	2,627,040	23%	\$	2,010,676
Employee benefits		65,423		194,425		842,305	23%		647,880
Maintenance & Repairs		83,097		133,194		1,197,812	11%		1,064,618
Total Transmission and Distribution	\$	364,206	\$	943,983	\$	4,667,157	20%	\$	3,723,174
Administrative & other costs:									
Engineering consultant	\$	-	\$	60,051	\$	50,000	120%	\$	(10,051)
Legal consultants		2,730		2,940		200,000	1%		197,060
Special legal/engineering		34,367		129,470		200,000	65%		70,530
Kern River GSA		-		-		200,000	0%		200,000
Insurance		9,302		31,370		163,194	19%		131,824
Office operations		18,207		79,410		334,782	24%		255,372
Special expenses (see Footnote below):		75,588		307,190		576,500	53%		269,310
Construction Expense - Peripheral		16,932		24,549		-			
Bond Interest expense		-		-		131,290	0%		131,290
Depreciation		38,000		114,000		456,000	N/A		342,000
Total adminstrative & other	\$	195,124	\$	748,980	\$	2,311,766	32%	\$	1,587,335
Total expenses	\$	661,340	\$	3,709,198	\$	10,641,823	35%	\$	6,932,625
Net Fav/(Unfav) Operating Results	\$	(288,538)	\$	(1,681,439)	\$	1,488,967		\$	3,170,407

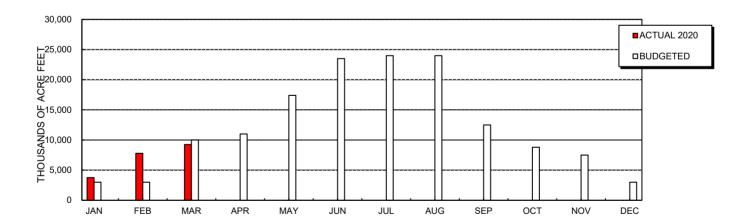
TREASURER'S REPORT

March 2021

	_					
		2021		2020	2019	2018
Cash & Securities on hand - March 1	\$	24,202,731	\$	20,359,792	\$ 16,635,880	\$ 13,650,087
Add: March receipts		400,174		633,061	393,528	482,466
Less: March disbursements		4,021,030		469,339	1,846,286	490,332
Cash & Securities on hand - March 31, 2021	\$	20,581,874	\$	20,523,514	\$ 15,183,122	\$ 13,642,221
Petty Cash \$ 500						
Citizens Business Bank 550,739						
Kern County Treasury 20,030,635						
<u>\$ 20,581,874</u>						
Restricted Reserves:	<u> </u>		I			
Restricted Reserve Fund - General Manager	\$	(300,000)	\$	(300,000)	\$ (300,000)	\$ -
Unrestricted Reserves:						
Employee Medical/Dental Benefits		(193,096)		(249,624)	(311,715)	(336,822
Pipeline Maintenance		(213,845)		(213,845)	(213,845)	(213,845
Water Rights Protection & Litigation Reserve		(2,810,369)		(3,212,744)	(3,292,137)	(3,350,562
2015-A COP Reserve Fund		(4,015,000)		(372,600)	(372,600)	(372,600)
Operating Reserve		(5,000,000)				
Capital Reserve		(2,000,000)				
Groundwater Program Reserve		(3,500,000)				
Total Reserves	\$	(18,032,310)	\$	(4,348,813)	\$ (4,490,297)	\$ (4,273,829)
Cash Available - March 31, 2021	\$	2,549,564	\$	16,174,702	\$ 10,692,825	\$ 9,368,392

Kern Delta Water District Monthly Water Sales Volume in Acre Feet

	2020		2021									
	Actual	Bud	geted		Actual							
	(Accum-		(Accum-			onthly				mulated		% of
	ulated)	Monthly	ulated)	Utility	State	Contracts	Total	Utility	State	Contracts	Total	Budget
JAN	4,488	3,000	3,000	3,612	0	145	3,757	3,612	0	145	3,757	125%
FEB	12,169	3,000	6,000	7,461	0	341	7,801	11,073	0	486	11,559	193%
MAR	17,600	10,000	16,000	8,881	0	371	9,252	19,954	0	857	20,811	130%
APR	21,713	11,000	27,000									
MAY	33,840	17,400	44,400									
JUN	54,218	23,500	67,900									
JUL	74,182	24,000	91,900									
AUG	85,938	24,000	115,900									
SEP	92,178	12,500	128,400									
ОСТ	96,158	8,800	137,200									
NOV	99,138	7,500	144,700									
DEC	100,282	3,000	147,700									



KERN DELTA WATER DISTRICT

Aged Accounts Receivable Past Due Accounts April 20, 2021

Account	Name	0-30 Days	31-60 Days	61-90 Days	Over 90 Days	Total Past Due
887	Forney, Bruce	5.48	5.40	5.32	354.66	370.86
3713	Cruz, Juan Carlos & Nancy	7.79	7.68	7.56	504.14	527.17
	OTHER	143.54	19.91	0.65	43.43	207.53
		156.81	32.99	13.53	902.23	1,105.56

Kern Delta Water Banking Project Balance Sheet March 31, 2021

Assets

<u>Assets</u>					_	
		March 31, 2021	F	ebruary 28, 2021		lonth-to- Month /ariance
Current Assets:						_
Cash & Securities in Bank	\$	7,322,867	\$	9,097,215	\$ ((1,774,348)
Interest Receivable		-		-		-
Due from Metropolitan Water District		369,006		369,006		-
Due from SBVMWD		-		788,000		(788,000)
Inventory and Prepaids		111,051		111,051		-
Due from KDWD		-	_	-		-
Total Current Assets	\$	7,802,924	\$	10,365,272	\$ ((2,562,348)
Fixed Assets at cost less depreciation:						
All structures	\$	62,952,382	\$	60,497,909	\$	2,454,473
Machinery and equipment		418,064		418,064		-
	\$	63,370,446	\$	60,915,973	\$	2,454,473
Less: Accumulated depreciation		(10,623,531)		(10,529,031)		(94,500)
Total fixed assets	\$	52,746,915	\$	50,386,942	\$	2,359,973
Total Assets	\$	60,549,839	\$	60,752,214	\$	(202,375)
<u>Liabilities & Equity</u>						
Current Liabilities:						
Trade accounts payable	\$	-	\$	-	\$	-
Due to KDWD						-
Total current liabilities	\$	-	\$	-	\$	-
Equity:						
Contributions to equity - KDWD (Land purchases)	\$	8,890,130	\$	8,890,130	\$	_
Equity from past years	•	52,202,620	·	52,202,620	•	_
Equity enhanced this year		(542,911)		(340,536)		(202,375)
Total Equity	\$	60,549,839	\$	60,752,214	\$	(202,375)
		· · ·		<u> </u>		
Total Liabilities & Equity	\$	60,549,839	\$	60,752,214	\$	(202,375)

Kern Delta Water Banking Project Cash Variance Analysis March 31, 2021

Cash Received:

Received from SBVMWD	788,000
Received From KDWD - CVC Construction	154,173
Received From ID#4 - CVC Construction	154,173
Received From KDWD - CVC Ops/Power	57,458
Received From ID#4 - CVC Ops/Power	57,458
Received From KCWA - CVC Prior Years O&M Credit	50,641
Interest Received	50
	1,261,951
cad·	· · · · · · · · · · · · · · · · · · ·

Cash Disbursed:

Accounts Payable Paid	(309,345)
Property Purchase - A/C Electric	(2,726,954)
	(3,036,299)

Kern Delta Water Banking Project Operating Results - Year to Date Through the Period Ended March 31, 2021

	Current Month		Year to Date		
REVENUE:					
MET Revenues	\$	-	\$	-	
Water Sales		-		-	
Interest Income		50		88	
Total of all income	\$	50	\$	88	
Transfer and Exchange Fees:					
Exchange Fees	\$	5,200	\$	5,200	
Wheeling Fees					
Total Exchange Fees	\$	5,200	\$	5,200	
Other Costs					
Power - KB1-8, KDW1-2	\$	36,089	\$	37,224	
Power - AE1, AE2, AE3, AE4		1,145		1,904	
Power - BV1, BV2, BV3, BV4, BV5		167		333	
CVC Operating Costs		114,140		228,279	
CVC Power Costs		776		1,516	
O&M Spreading		-		3,091	
Other O&M & Miscellaneous Costs		(49,591)		(18,046)	
Legal & Accounting		-		-	
Depreciation		94,500		283,500	
Total Other Costs	\$	197,225	\$	537,800	
Total all expenses	\$	202,425	\$	543,000	
Favorable/(Unfavorable) Operating Results	\$	(202,375)	\$	(542,911)	
Estimated 1st Qtr Revenue - MWD			¢	550 000	
	م D.	oculto	<u>\$</u> \$	550,000	
Estimated Fav/(Unfav) Operatin	y R	esuits	Φ	7,089	

KERN DELTA WATER BANKING PROJECT TREASURER'S REPORT March 2019 2018 2021 2020 Cash & Securities on hand - March 1, 2021 9,097,215 13,272,991 \$ 9,059,125 \$ 9,535,590 \$ Add: March receipts 479,699 87,722 4,361,951 111,305 Less: March disbursements 6,136,299 224,202 210,917 171,212 Cash & Securities on hand - March 31, 2021 7,322,867 \$ 13,160,095 \$ 9,327,907 \$ 9,452,101 Citizens Business Bank 1,622,028 LPL Financial 250,000 **Kern County Treasury** 5,450,839 7,322,867 Restricted Cash included in above: OM&R Spreading (375,211) \$ 800,773 \$ (574,976)OM&R Extraction (515,339)(86,757)(189, 289)OM&R CVC/Delivery Canal (3,318,405)(3,176,927)Take/Put Fees (1,237,011) (4,821,397)(648,255)**Total Restricted** (2,127,562)\$ (7,284,308) \$ (4,730,925)

5,195,305 \$

5,875,787 \$

4,596,983

Cash Available for Construction - March 31, 2021



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: April 20, 2021

Re: Annual Cost of Living Adjustment Review.

Background:

Typically, each April the Board has considered annual cost of living adjustments (COLA) for District employees ranging from 0-2%. In addition, the annual discussion has also included potential merit raises ranging from 0-2%, never totaling more than 4% combined. Once approved by the Board these compensation adjustments become effective the first pay period which includes May 1st.

In 2020, staff developed a new District Salary Schedule which was designed to provide greater clarity and structure to the compensation for each employee position classification. In addition, the schedule articulates how employees can achieve merit increases based on both time and performance. On April 21, 2020, the Board approved the new salary schedule (attached) which included a 2% COLA.

Given the previous actions of the Board, the annual process is now focused on the appropriateness of authorizing a potential COLA based on a review of several annual CPIs traditionally considered by the Board. Any COLA authorized by the Board will be reflected in a corresponding adjustment to the attached salary schedule.

CPI Analysis:

Included below is a summary of historical CPI data the Board has traditionally utilized in the past. The below indexes are based on a 1982-84 = 100 and escalation using the month of February in 2020 and 2021 for comparison of various indices (note the source information summary is attached to this memorandum).

All Urban Consumers (CPI-U)	Feb. 2020	Feb. 2021	% Change
U.S. City Average	258.678	263.014	1.7
West – Size Class B/C	159.183	162.042	1.8
Los Angeles-Long Beach-Anaheim, CA	278.657	281.347	1.0
Urban Wage Earners (CPI-W)	Feb. 2020	Feb. 2021	% Change

U.S City Average	251.935	256.843	1.9
West – Size Class B/C	158.459	161.823	2.1
Los Angeles-Long Beach-Anaheim, CA	268.938	272.816	1.4
Average of above CPIs			1.65

Recommendation:

Considering the average increase of the above CPIs, staff and the Business and Finance Committee are recommending the Board consider approving a COLA of 1.5% which will become effective the first pay period including May 1, 2021. This adjustment will be provided to all employees covered by the salary schedule and is reflected in the proposed revised salary schedule attached.

Attachment 1 – Current District Salary Schedule approved April 20, 2020.

Attachment 2 – Bureau of Labor Statistics Consumer Price Indexes Pacific Cities and U.S City Average February 2021.

Attachment 3 – Draft District Salary Schedule including recommended 1.5% COLA effective May 1, 2021.

Salary Schedule Board Approved 4/21/20



Position Title:	Exempt	Step 1	Step 2	Step 3	Step 4	Step 5
Canal Tender I	Ho Anr	·	\$16.07 \$33,426	\$16.87 \$35,090	\$17.72 \$36,858	\$18.60 \$38,688
Canal Tender II	Ho Anr	·	\$20.51 \$42,661	\$21.54 \$44,803	\$22.62 \$47,050	\$23.76 \$49,421
Maintenance Crewman I	Ho Anr	*	\$16.07 \$33,426	\$16.87 \$35,090	\$17.72 \$36,858	\$18.60 \$38,688
Maintenance Crewman II	Ho Anr	•	\$20.51 \$42,661	\$21.54 \$44,803	\$22.62 \$47,050	\$23.76 \$49,421
Equipment Operator I	Ho Anr	·	\$22.49 \$46,779	\$23.61 \$49,109	\$24.80 \$51,584	\$26.04 \$54,163
Equipment Operator II	Ho Anr	•	\$25.70 \$53,456	\$26.99 \$56,139	\$28.34 \$58,947	\$29.75 \$61,880
Mechanic	Ho Ann	•	\$26.04 \$54,163	\$27.35 \$56,888	\$28.71 \$59,717	\$30.15 \$62,712
Weed Control I	Ho Ann	,	\$23.03 \$47,902	\$24.18 \$50,294	\$25.40 \$52,832	\$26.67 \$55,474
Weed Control II	Ho Ann	•	\$26.24 \$54,579	\$27.56 \$57,325	\$28.94 \$60,195	\$30.39 \$63,211
Dispatch Clerk	Ho Ann	•	\$19.28 \$40,102	\$20.25 \$42,120	\$21.26 \$44,221	\$22.32 \$46,426
Administrative Assistant	Ho Anr	•	\$20.40 \$42,432	\$21.42 \$44,554	\$22.49 \$46,779	\$23.61 \$49,109
Receptionist / Clerk	Ho Anr	•	\$17.14 \$35,651	\$17.99 \$37,419	\$18.89 \$39,291	\$19.84 \$41,267
Tax Assessor	Ho Anr	·	\$21.42 \$44,554	\$22.49 \$46,779	\$23.61 \$49,109	\$24.80 \$51,584
District Hydrographer	Ho Anr	•	\$37.49 \$77,979	\$39.36 \$81,869	\$41.33 \$85,966	\$43.40 \$90,272
Groundwater Manager	Ho Anr		\$32.13 \$66,830	\$33.74 \$70,179	\$35.42 \$73,674	\$37.20 \$77,376
Groundwater Technician	Ho Anr	·	\$16.61 \$34,549	\$17.43 \$36,254	\$18.30 \$38,064	\$19.22 \$39,978
Operations Lead	Ho Ann	ual \$54,309	\$27.42 \$57,034	\$28.78 \$59,862	\$30.22 \$62,858	\$31.73 \$65,998
Maintenance Lead	Ho Ann	·	\$27.42 \$57,034	\$28.78 \$59,862	\$30.22 \$62,858	\$31.73 \$65,998
Staff Engineer	E Ho Ann	•	\$34.27 \$71,282	\$35.99 \$74,859	\$37.78 \$78,582	\$39.67 \$82,514
Operations Supervisor	E Ho Ann	·	\$31.92 \$66,394	\$33.51 \$69,701	\$35.18 \$73,174	\$36.93 \$76,814
Maintenance Supervisor	E Ho Ann	·	\$31.92 \$66,394	\$33.51 \$69,701	\$35.18 \$73,174	\$36.93 \$76,814

Salary Schedule Board Approved 4/21/20

- Step 1: Probationary Step.
- Step 2: Eligible after Minimum 6 months in Step 1 and Must Include Recommendation by Supervisor and Approval of General Manager.
- Step 3: Eligible after Minimum 2 years in Step 2 and Must Include Recommendation of Supervisor and Approval of General Manager.
- Step 4: Eligible after Minimum 2 years in Step 3 and Must Include Recommendation of Supervisor and Approval of General Manager.
- Step 5: Eligible after Minimum 2 years in Step 4 and Must Include Recommendation of Supervisor and Approval of General Manager.

Notes:

- *Salary Schedule Subject to approval and adjustment by the Kern Delta Board of Directors.
- *General Manager may appoint employee to any step within the applicable range for a given position.
- *Poor performance may result in delay of step increase or loss of step increase.
- *If promoted to a II position (Canal Tender/Maintenance Crewman) after serving 2 years in Step 5 of the corresponding I position, each subsequent step increase shall be after a minimum of 2 years in each step and must include recommendation by supervisor and approval of General Manager.

CONSUMER PRICE INDEXES PACIFIC CITIES AND U. S. CITY AVERAGE FEBRUARY 2021

(All items indexes. 1982-84=100 unless otherwise noted. Not seasonally adjusted.)

	All Urban Consumers (CPI-U)						Urban Wage Earners and Clerical Workers (CPI-W)						
	Indexes			Percent Change					Percent Change				
MONTHLY DATA				Year ending		1 Month ending	Indexes		Year ending		1 Month ending		
	Feb 2020	Jan 2021	Feb 2021	Jan 2021	Feb 2021	Feb 2021	Feb 2020	Jan 2021	Feb 2021	Jan 2021	Feb 2021	Feb 2021	
U. S. City Average	258.678	261.582	263.014	1.4	1.7	0.5	251.935	255.296	256.843	1.6	1.9	0.6	
West	274.412	277.238	278.702	1.4	1.6	0.5	265.531	269.125	270.740	1.7	2.0	0.6	
West - Size Class A ¹	283.592	285.948	287.470	1.2	1.4	0.5	273.365	276.575	to the second second second	1.6	1.8	0.6	
West – Size Class B/C ²	159.183	161,199	162.042	1.6	1.8	0.5	158.459	160.888	161.823	1.9	2.1	0.6	
Mountain ³	106.753	107.854	108.386	1.2	1.5	0.5	106.717	108.310	108.905	1.7	2.1	0.5	
Pacific ³	106.583	107.680	108.262	1.5	1.6	0.5	106.545	107.939	108.605	1.7	1.9	0.6	
Los Angeles-Long Beach-Anaheim, CA	278.657	280.178	281.347	0.9	1.0	0.4	268.938	271.129	272.816	1.1	1.4	0.6	
	Percent Change								Percent Change				
BI-MONTHLY DATA	Indexes				2 Months ending	Indexes			Ye end	ar	2 Months ending		
(Published for odd months)	Jan 2020	Nov 2020	Jan 2021	Nov 2020	Jan 2021	Jan 2021	Jan 2020	Nov 2020	Jan 2021	Nov 2020	Jan 2021	Jan 2021	
Riverside-San Bernardino-Ontario, CA3	107.143	108.626	109.550	1.9	2.2	0.9	107.580	109.021	110.204	2.1	2.4	1.1	
San Diego-Carlsbad, CA	302.564	306.334	307.688	1.6	1.7	0.4	284.272	290.228	291.490	1.9	2.5	0.4	
Urban Hawaii	283.683	286.872	287.634	1.6	1.4	0.3	280.946	284.293	284.959	1.8	1.4	0.2	
	Indexes			Percent Change		284.293		Percent Change		nge			
BI-MONTHLY DATA (Published for even months)				Ye: endi		2 Months ending	Indexes		And the second		2 Months ending		
(Published for even months)	Feb 2020	Dec 2020	Feb 2021	Dec 2020	Feb 2021	Feb 2021	Feb 2020	Dec 2020	Feb 2021	Dec 2020	Feb 2021	Feb 2021	
Phoenix-Mesa-Scottsdale, AZ ⁴	145.746	145.660	147.186	0.5	1.0	1.0	144.346	144.665	146.173	1.0	1.3	1.0	
San Francisco-Oakland-Hayward, CA	299.690	302.948	304.387	2.0	1.6	0.5	292.010	295.687	297.170	2.2	1.8	0.5	
Seattle-Tacoma-Bellevue, WA	282.115	283.409	286.950	1.4	1.7	1.2	278.081	279.308	282.795	1.6	1.7	1.2	
Urban Alaska	226.510	227.259	229.478	0.3	1.3	1.0	224.731	226.615	229.145	1.1	2.0	1.1	

¹ Population over 2,500,000

NOTE: In January 2018, BLS introduced a new geographic area sample for the Consumer Price Index (CPI): www.bls.gov/regions/west/factsheet/2018cpirevisionwest.pdf
1967=100 base year indexes and tables with semiannual and annual average data are available at: www.bls.gov/regions/west/factsheet/consumer-price-index-data-tables.htm

Release date March 10, 2021. The next release date is scheduled for April 13, 2021. For questions, please contact us at BLSinfoSF@bls.gov or (415) 625-2270.

² Population 2,500,000 and under, Dec 1996 = 100

³ Dec 2017=100

⁴ Dec 2001=100

Salary Schedule Board Approved 4/20/21 DRAFT



Position Title:	Exempt	Step 1	Step 2	Step 3	Step 4	Step 5
r osition ritio.	Exempt	Otep 1	<u> </u>	<u>otop o</u>	<u> </u>	<u>otop o</u>
Canal Tender I	Hour	\$15.53	\$16.31	\$17.13	\$17.99	\$18.89
	Annual	\$32,302	\$33,925	\$35,630	\$37,419	\$39,291
Canal Tender II	Hour	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09
	Annual	\$41,226	\$43,285	\$45,448	\$47,715	\$50,107
Maintenance Crewman I	Hour	\$15.53	\$16.31	\$17.13	\$17.99	\$18.89
	Annual	\$32,302	\$33,925	\$35,630	\$37,419	\$39,291
		440.00	400.04	404.05	***	***
Maintenance Crewman II	Hour	\$19.82	\$20.81	\$21.85	\$22.94	\$24.09
	Annual	\$41,226	\$43,285	\$45,448	\$47,715	\$50,107
Equipment Operator I	Hour	\$21.74	\$22.83	\$23.97	\$25.17	\$26.43
Equipment Operator i	Annual	\$45,219	\$47,486	\$49,858	\$52,354	\$54,974
	Ailliuai	Ψ45,219	φ47,400	ψ49,000	ψ32,334	Ψ04,974
Equipment Operator II	Hour	\$24.85	\$26.09	\$27.39	\$28.76	\$30.20
_qa.pon operator	Annual	\$51,688	\$54,267	\$56,971	\$59,821	\$62,816
		40.,000	70 1,=01	+,- :	¥ = = , = = .	¥5=,5:5
Mechanic	Hour	\$25.17	\$26.43	\$27.75	\$29.14	\$30.60
	Annual	\$52,354	\$54,974	\$57,720	\$60,611	\$63,648
Weed Control I	Hour	\$22.26	\$23.37	\$24.54	\$25.77	\$27.06
	Annual	\$46,301	\$48,610	\$51,043	\$53,602	\$56,285
Weed Control II	Hour	\$25.36	\$26.63	\$27.96	\$29.36	\$30.83
	Annual	\$52,749	\$55,390	\$58,157	\$61,069	\$64,126
Diametah Clauk	Haum	¢40.64	¢40.57	<u> </u>	¢ 04 E0	ተ ጋጋ 66
Dispatch Clerk	Hour Annual	\$18.64 \$38,771	\$19.57 \$40,706	\$20.55 \$42,744	\$21.58 \$44,886	\$22.66 \$47,133
	Alliludi	φ30,771	φ40,700	Φ42,744	φ44,000	φ47,133
Administrative Assistant	Hour	\$19.72	\$20.71	\$21.75	\$22.84	\$23.98
	Annual	\$41,018	\$43,077	\$45,240	\$47,507	\$49,878
		, ,	, ,,,	, -, -	, ,	, -,-
Receptionist / Clerk	Hour	\$16.56	\$17.39	\$18.26	\$19.17	\$20.13
	Annual	\$34,445	\$36,171	\$37,981	\$39,874	\$41,870
Tax Assessor	Hour	\$20.71	\$21.75	\$22.84	\$23.98	\$25.18
	Annual	\$43,077	\$45,240	\$47,507	\$49,878	\$52,374
B: /: / II I		000.04	400.05	# 00.05	0.1.1.0 5	044.05
District Hydrographer	Hour	\$36.24	\$38.05	\$39.95	\$41.95	\$44.05
	Annual	\$75,379	\$79,144	\$83,096	\$87,256	\$91,624
Groundwater Manager	Hour	\$31.06	\$32.61	\$34.24	\$35.95	\$37.75
S. Gariawater manager	Annual	\$64,605	\$67,829	\$71,219	\$74,776	\$78,520
		÷3.,000	÷ 5.,0=0	ţ, _ .0	Ţ,V	J. 5,520
Groundwater Technician	Hour	\$16.05	\$16.85	\$17.69	\$18.57	\$19.50
	Annual	\$33,384	\$35,048	\$36,795	\$38,626	\$40,560
Operations Lead	Hour	\$26.50	\$27.83	\$29.22	\$30.68	\$32.21
	Annual	\$55,120	\$57,886	\$60,778	\$63,814	\$66,997
Maintananas Lasd	Harr	¢26 50	¢27.02	¢20.22	#30.60	¢20.04
Maintenance Lead	Hour Annual	\$26.50 \$55,120	\$27.83 \$57,886	\$29.22 \$60.779	\$30.68 \$63.814	\$32.21
	Ailliuai	φυυ, IZU	φθ1,000	\$60,778	\$63,814	\$66,997
Staff Engineer	E Hour	\$33.13	\$34.79	\$36.53	\$38.36	\$40.28
Juli Eligilieei	Annual	\$68,910	\$72,363	\$75,982	\$79,789	\$83,782
	/ tillidar	ψου,υ το	ψ. 2,000	Ψ10,002	ψ10,100	ψου, ι οε
Operations Supervisor	E Hour	\$30.86	\$32.40	\$34.02	\$35.72	\$37.51
,	Annual	\$64,189	\$67,392	\$70,762	\$74,298	\$78,021
		,	, , , , , , , , , , , , , , , , , , , ,	, ,	, ,	, .
Maintenance Supervisor	E Hour	\$30.86	\$32.40	\$34.02	\$35.72	\$37.51
	Annual	\$64,189	\$67,392	\$70,762	\$74,298	\$78,021

Salary Schedule Board Approved 4/20/21 DRAFT

Step 1: Initial Step.

Step 2: Eligible after Minimum 6 months in Step 1 and Must Include Recommendation by Supervisor and Approval of General Manager.

Step 3: Eliqible after Minimum 2 years in Step 2 and Must Include Recommendation of Supervisor and Approval of General Manager.

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Notes:

*Salary Schedule Subject to approval and adjustment by the Kern Delta Board of Directors.

*General Manager may appoint employee to any step within the applicable range for a given position.

*Poor performance may result in delay of step increase or loss of step increase.

*If promoted to a II position (Canal Tender/Maintenance Crewman) after serving 2 years in Step 5 of the corresponding I position, each subsequent step increase shall be after a minimum of 2 years in each step and must include recommendation by supervisor and approval of General Manager.

Tab IV KERN DELTA WATER DISTRICT



OPERATIONS AND PROJECTS COMMITTEE MEETING

THERE IS NO PHYSICAL LOCATION FOR THIS MEETING

Please join this meeting from your computer, tablet, or smartphone. https://global.gotomeeting.com/join/450489157

You can also dial in using your phone.

United States: +1 (872) 240-3212 Access Code: 450-489-157

TUESDAY, APRIL 6, 2021 10:30 AM

AGENDA

- 1. Call to Order
- 2. Public Comment Period
- 3. Assistant General Manager's Report:
 - a. Approve the minutes of the Operations and Projects Committee Meeting of March 2, 2021
 - b. Encroachment Permit Update
 - c. District Facility and Banking Maintenance
 - d. District Office Construction Update
 - e. Wrought Iron Gate Proposal
 - f. 23 Ditch / City of Bakersfield Multi Use Path Proposal
 - g. PG&E Utility Bridge Removal on Eastside Canal
 - h. Water Banking Construction and Power Invoices

4. Adjourn

Chris Bellue

Assistant General Manager

Posted: Friday, April 2, 2021 Bakersfield, California

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Madelyne Rodriguez at the District Office (661-834-4656). Please attempt to make such requests known at least 24 hours before the scheduled meeting. Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the District, 501 Taft Highway, Bakersfield, CA.



DRAFT MINUTES OF THE OPERATIONS AND PROJECTS COMMITTEE Tuesday, April 6, 2021

DIRECTORS PRESENT: None.

DIRECTORS PRESENT VIA VIDEO: Collins, Kaiser, Mendonca, Spitzer

OTHERS PRESENT: From KDWD: General Manager Teglia, Water Resources Manager Mulkay,

Assistant General Manager Bellue, General Counsel Iger, Staff

Engineer De Leon

CALL TO ORDER

Chair Collins called the meeting to order at 10:35 A.M.

1. PUBLIC COMMENTS

None.

2. ASSISTANT GENERAL MANAGER'S REPORT:

- a. Approve minutes of the Operations and Projects Committee Meeting of March 2, 2021: M/S/C (Mendonca/Spitzer) (yes-4, no-0): By roll call vote, the Operations and Projects Committee approved the minutes of the Operations and Projects Committee meeting held on March 2, 2021.
- b. <u>Encroachment Permit Update:</u> Mr. Bellue presented an encroachment permit for SCEI to pipeline a portion of the Branch 1 Canal at Hosking Road and Hughes Lane.
- c. <u>District Facility and Banking Maintenance</u>: Mr. Bellue discussed several items of note including repair of the Arvin Edison turnout on the Kern Island Canal, fixing several seepage areas on the Rim Ditch and removing numerous tumbleweeds blown into the canals from recent wind events. He also mentioned that aquatic treatments for algae were performed on the Kern Island Canal and the Randal Ditch because of the recent warm temperatures.
- d. <u>District Office Construction Update:</u> Mr. Bellue provided an update on the current schedule and budget status for the District office expansion project.
- e. Wrought Iron Gate Proposal: M/S/C (Mendonca/Kaiser) (yes-4, no-0): By roll call vote, the Committee recommends the Board approve a proposal by Jaguar Wrought Iron for \$12,500 to install a 7-foot-high wrought iron fence and vehicle/pedestrian gates on the east side of the District building.
- f. 23 Ditch/City of Bakersfield Multi-use Path Proposal: M/S/C (Spitzer/Mendonca) (yes-4, no-0): By roll call vote, the Committee recommends the Board approve the plans and Common Use Agreement for the City of Bakersfield, Multi Use Path on the 23 Ditch.
- g. <u>PG&E Utility Bridge Removal on the Eastside Canal:</u> Staff is coordinating the removal of the utility bridge located on the Eastside Canal between 30th and 34th Streets with PG&E. Removal is tentatively scheduled for the Fall of 2021.
- h. Water Banking Construction and Power Invoices: M/S/C (Mendonca/Spitzer) (yes-4, no-0): By roll call vote, the Committee recommends the Board approve payment of Water Banking and Power Invoices totaling \$43,133.71 (plus additional PG&E well energy costs). See the attached April 20, 2021 Invoice and Disbursements memo to the Board for a full breakdown of the Invoices.

3.	ADJOURN Chair Collins adjourned the meeting at 11:12 A.M.
Res	spectfully submitted,
Do	nald Collins – Chair

Maintenance Report

March 2021

- 1. **Structure and Turnout Repairs.** The following jobs were completed during the month;
 - a. Cleaning around turnouts, weirs and removing sand bars to improve flow on the canals.
 - b. Repair turnout # 3-0-AE1 in preparation for deliveries to the Arvin Edison intake canal
- 2. **Shop.** The following jobs were completed during the month;
 - a. Normal service and repairs on District vehicles and equipment.
 - b. Repairs electrical cabling, turbo, and emissions system on truck # 324
 - c. Repairs EGR, DEF and electrical emissions system on truck #322
 - d. Install cross box and safety lighting on new truck #226.
 - e. Repair brake system on truck #214
 - f. Repair ramps on trailer #T12
 - g. Continue conversion of turntable pump to PTO Drive system

3. District Wells.

- a. Monthly service and inspection of all District Wells to check dripper operation, clean well pads, and start/stop wells as needed.
- 4. **Motor Grader # 403** The following canals were sloped and graded;
 - a. Sloping part of the Kern Island
- 5. **Backhoe # 402** The following jobs were completed during the month;
 - a. Remove tumbleweeds and debris from turnouts, weirs, and screens on the Farmers, Branch 1. Kern Island and Eastside Canals
 - b. Assist in cleanout of debris on KI. Branch 1, and Eastside Canals
 - c. Repair several different leaks on the Rim Ditch due to high water levels and gopher activity.
- 6. **Backhoe # 404** The following jobs were completed this month;
 - a. Removed mattresses, debris, tumbleweeds, brush, and tires from Kern Island, Central, Branch 1 and Eastside Canals
- 7. **Weed Spraying.** The following canals were sprayed during the month;
 - a. Weeds were sprayed on the Central and Stine.
- 8. **Aquatic Treatments.** Treatments including surface spraying for algae mats and injection treatments for control of algae or vascular aquatic weeds were made to the Randal and Kern Island

9. Rodent Control

a. Bait Stations were frequently checked, and all locations were filled throughout the District this month.

10. Trash Removal.

a. Daily cleaning of crossings, weirs, and screens on all flowing canals

- b. Remove debris from the Kern Island, Central, and Branch 1 canals and haul waste to Bena landfill using both trash trucks.
- 11. **Fence Repairs.** Fences and Gates were repaired at the following locations;
 - a. Kern Island 30th St., 34th St.
 - b. Eastside Edison
 - c. Branch 1 Smoke Tree Trailer Park and Harris
 - d. Stine California, Chester Lane, Garnsey, Pacheco, and White Lane
 - e. Basins Kern Island, Stonefield and Romero
- 12. **Safety Meetings.** Weekly tailgate safety topics were;
 - a. Fire Prevention Review
 - b. New Forklift Training
 - c. Reporting Accidents and Repairs
 - d. Vehicle Hygiene
- 13. Water Banking Activities. The following jobs were completed during the month;
 - a. Spraying weeds on Romero Basins
 - b. Mowing cells at Kern Island Basins
 - c. Removal of tumbleweeds from fences due to windstorms.
 - d. Adjust boards on KI Basins to allow surge flow into regulating pond only.
- 14. **Future Projects.** The following projects will be completed as time and scheduling permit:
 - a. Trim and remove trees/brush as needed along canals for grader passage.
 - b. Install meters on Stine Canal at the Bladder basin outlet.

15. Future Water Banking Projects.

- a. Install permanent staff gauges and signage at all basins.
- b. Mow weeds at all basins.
- c. Spray weeds and Typha (cattails), with new trailer mount system after mowing Kern Island Basins



To: Kern Delta Water District Board of Directors

From: Steven Teglia

Date: April 16, 2021

Re: Encroachment Permit Applications & Easement Requests

DISCUSSION:

Following are the organizations that have applied for an encroachment permit with Kern Delta Water District and a summary of their intended locations and purposes for encroaching.

Organization: SCEI

Location: Branch One, South of Hosking

Purpose: Pipeline and realign portion of the Branch One Canal

Anticipated Start Date: TBD



300 Union Avenue BAKERSFIELD, CALIFORNIA 93307 Phone (661) 323-5015 Fax (661) 323-4623

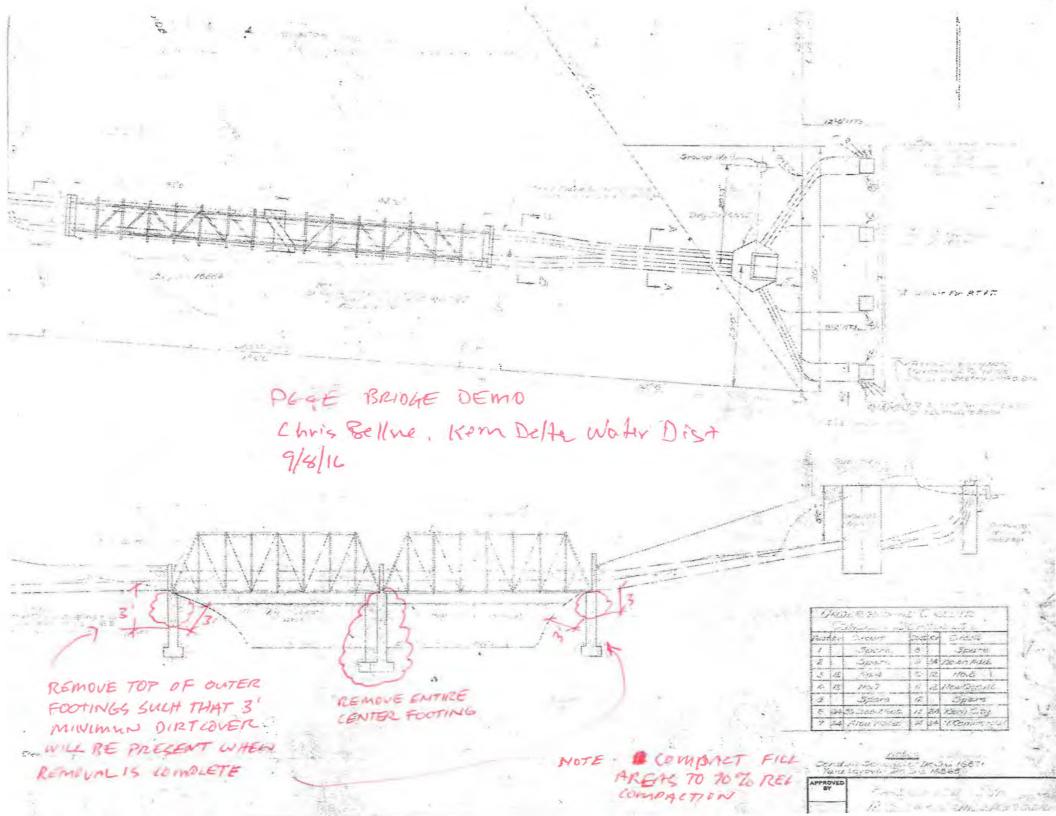
PROPOSAL SUBMITTED TO KERN DELTA WATER DISTRICT	DATE 3-30-21
ADDRESS 501 TAFF HWY	PHONE 447-1867 CHRIS
93307	CELL
JOB NAME AND LOCATION	FAX
,	EMAIL
We hereby submit specifications and estimates, subject to all items and conditions set forth on both sides, as follows:	
1/2000/ 11-4	
21×7 LAFAYETTE STANDARD ROLLING 61	HE
21 x 7' LAFAYETTE STANDARD ROLLING 61 1-4x7 PED GATE Costom combo pox provided 1 10'x7 Fencing NEAR PEU GATE & BUILDING	by client)
10 x 7 Fencing NEAR PEU GATE & BUILDING	,
CORE DRILLING & POST SETTING NOW FICLUDED WITHER	E NEEDED
WORK FUSTALLED & PAINTED BLACK	
* Demo of old posts @ Rolling gate	TOTAL # 12,500
provided by others along	12,000
* Demo of old posts & Rolling gate provided by others along with concrete flotwork on backside of wall	DEPOSIT
	×
	BALANCE
(Read reverse side)	
We propose hereby to furnish material and labor complete in accordance with the above specifications.	
for the sum of	Dollars (\$)
\sim 20	
NOTE: This proposal may be withdrawn by us if not accepted	days.
AUTHORIZED SIGNATURE (Seller)	
CONTRACTORS LICENSE #307741	
ACCEPTANCE AND CONTRACT	
Accepted: The chave prices appointed and conditions are estimated and are hereby accepted. Ver	and and the state of the state

Accepted: The above prices, specifications and concepayment will be made as outlined above.	ditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.
	SIGNATURE
DATE	CICALATURE











LIST OF DRAWINGS

TITLE SHEET AND LOCATION MAP CONSTRUCTION & STRIPING PLAN CONSTRUCTION & STRIPING PLAN CONSTRUCTION & STRIPING PLAN CONSTRUCTION & STRIPING PLAN

CONSTRUCTION, STRIPING PLAN & DETAILS

SHEET 7 STRIPING PLAN

CITY OF BAKERSFIELD DEPARTMENT OF PUBLIC WORKS

MULTI-USE PATH (CMAQ): PACHECO ROAD

FROM STINE ROAD TO WIBLE ROAD

FEDERAL PROJECT NO. CML-5109(266) PROJECT NO. P1K306

SACRAMENTO CITY OF BAKERSFIELD SAN FRANCISCO LOS ANGELES

BENCHMARK

THE MONUMENT AT THE INTERSECTION OF PACHECO ROAD AND STINE ROAD SHALL BE USED AS THE BENCHMARK FOR THIS PROJECT. THE BENCHMARK SHALL BE ESTABLISHED USING U.S.G.S. DATUM NAVD 88. F/FV= *** **

BASIS OF BEARING

THE CENTERLINE OF PACHECO ROAD IS OFFSET SO"36'50"W 30.00' FROM SECTION 23, T. 30S., R. 27E. MONUMENT AT THE INTERSECTION OF PACHECO ROAD AND STINE ROAD, THEN S89°0'47"E 703.44', THEN S77°26'52"E, THEN S89°3'37" 1796.15' TO AKERS ROAD MONUMENT, THEN S89°3'59"E 2642.67' TO WIBLE ROAD MONUMENT. THIS SHALL BE USED AS THE BASIS OF BEARING.

CITY STANDARDS

PER COB DESIGN MANUAL ST-1, SW-5, T-1, T-30

STATE STANDARDS

2010 STANDARD PLAN A20A, A20B, A20C, A20D, A24A, A24B, A24C, A87B

CONVENTIONAL SYMBOLS

RIGHT-OF-WAY		EX. CURB & GUTTER
CENTERLINE		EX. EDGE OF PAVEMENT
RAILROAD TRACKS		SECTION LINE
CHAINLINK FENCE		IMPROVEMENTS
	RIGHT-OF-WAY CENTERLINE RAILROAD TRACKS CHAINLINK FENCE	CENTERLINE RAILROAD TRACKS

UTILITY SYMBOLS

 W	— EXIST WATER LINE	 — S —	– EXIST SEWER LINE
 G	— EXIST GAS LINE	 — SD —	— EXIST STORM DRAIN
—— OH ————	— EXIST AERIAL LINES	 — Е ———	– EXIST UNDERGROUND POWER LINE
TV	— EXIST UNDERGROUND TV CABLES	— Т	– EXIST UNDERGROUND PHONE LINE
 	— FXIST OU LINF	 — FO ———	– FXIST FIRER OPTIC LINE

0	MANHOLE	△ F.H.	FIRE HYDRANT -		STREET LIGHT W/MAST ARM
P.P.	POWER POLE	W.M.			CLEAN OUT
	EXISTING MONUMENT	W.V.	WATER VALVE		BENCHMARK
	FUTURE MONUMENT	G.M. ⊠	GAS METER	_	AUTO SCOPE
S.L.	STREET LIGHT	G.V.	GAS VALVE		

PLANZ ROAD PROJECT LOCATION PACHECO ROAD FAIR VIEW ROAD

LOCATION MAP NOT TO SCALE

FINAL PAY QUAN'	TITII	ES
ITEM	ESTIMATED QUANTITY	UNIT OF MEASURE
TRAFFIC STRIPE (DETAIL 1)	4,909	LF
TRAFFIC STRIPE (DETAIL 21)	166	LF
TRAFFIC STRIPE (DETAIL 22)	394	LF
TRAFFIC STRIPE (DETAIL 27B)	951	LF
TRAFFIC STRIPE (DETAIL 29)	1,345	LF
TRAFFIC STRIPE (DETAIL 38A)	150	LF
TRAFFIC STRIPE (DETAIL 39)	348	LF
TRAFFIC STRIPE (DETAIL 39A)	88	LF
GREEN BIKE LANE - THERMOPLASTIC	440	SF
PAVEMENT MARKINGS	81	SF
REMOVE TRAFFIC STRIPES AND MARKINGS	3020	SF

Job No.: P1K306 File Path: S:\PROJECTS\2020-2021\P1K306 - Pacheco Multi-Use Path\AutoCAD Drawings\Production Drawings File Name: MUP_8.dwg

STATE OF CALIFORNIA

NOTE:

THE CONTRACTOR MUST POSSESS THE FOLLOWING VALID LICENSES:

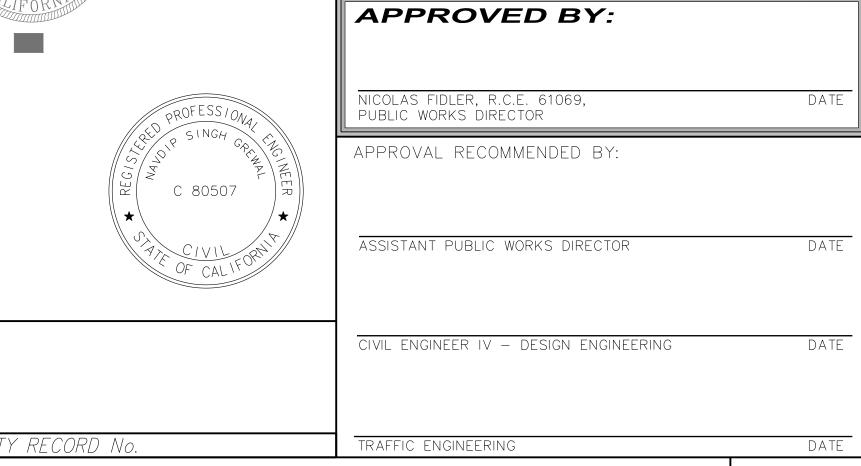
CLASS A

NOTE:

THE CONTRACTOR SHALL CONTACT THE USA LOCATOR SERVICE 1-800-642-2444, 48 HOURS PRIOR TO EXCA VA TION.

PROJECT LENGTH

1.0 MILES



MULTI-USE PATH (CMAQ): PACHECO ROAD TITLE SHEET AND LOCATION MAP

SHEETS

COMMON USE AGREEMENT

THIS AGREEMENT is made this _	day of	, 2021, by and between
KERN DELTA WATER DISTRICT, a	California water	district ("District") and CITY OF
BAKERSFIELD, a municipal corporation	("City"). District	and City are sometimes hereinafter
individually or collectively called a "Party"	or the "Parties".	

WITNESSETH:

WHEREAS, District owns and operates an irrigation canal commonly known as the "Twenty-three Ditch" ("Canal") now existing as an open ditch within an easement over and across certain real property in Bakersfield, County of Kern, State of California, as shown and described in Exhibit "A" which is attached hereto and incorporated into this Agreement by reference ("District's Easement"); and

WHEREAS, City desires to construct and maintain a multi-use path ("Project") within District's Easement. The area where the project overlaps District's Easement as shown on Exhibit "A" is defined as the "Area of Common Use"; and

WHEREAS, District is willing to consent to the construction of the Project upon the terms and conditions hereinafter set forth.

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, IT IS AGREED AS FOLLOWS:

1. Construction of Project

- a. District hereby consents to the construction, operation, maintenance and use of the Project in, on, along, across District's Easement in the Area of Common Use subject to the terms and conditions herein contained.
- b. City shall prepare, at its expense, detailed plans, specifications (including bid and contract documents) for the construction of the Project to be installed within District's Easement and shall submit the same to District for review and written approval. While not attached as an exhibit, the approved plans and specifications are incorporated herein and made a part hereof.
- c. City agrees to construct the Project in strict compliance with the plans and specifications prepared by City and approved in writing by District. In no event shall City install additional or different facilities without first obtaining the written approval of District.
- d. City acknowledges District's Easement and the priority of such title over City's rights created by this Common Use Agreement. Except as expressly set forth herein, this

Agreement shall not in any way alter, modify, or terminate the legal rights of District in its Easement or the Canal.

- e. District has and reserves the right to use, in common with City's use, the Area of Common Use for all of the purposes for which District's Easement was acquired, without need for any further permit or permission from City. City shall use the Area of Common Use in such a manner as to not unreasonably interfere with District's right to use District's Easement for any and all lawful purposes.
- f. Any construction work in the Area of Common Use shall be done at a time that will not interfere with the flow or distribution of water through the Canal as required and approved by District. City's work in the Canal will be conducted during the Shutdown Period described below.
- g. City shall pay the entire cost of constructing and installing the Project, including the costs of all labor and materials.

4. Maintenance of the Area of Common Use.

- a. City shall maintain all structures in the Area of Common Use, in good condition and repair and pay all costs of such repairs and maintenance and of any replacement of any part thereof required. City agrees to repair all damage to structures in the Area of Common Use, including but not limited to the Project, caused by District's maintenance of the Canal within District's Easement.
- b. As a result of the location of Project in relation to the Canal, District will be required to use different methods to maintain the Canal including the application of weed control chemicals. City agrees to reimburse District for all costs related to the application of weed control chemicals in the Area of Common Use including but not limited to sterilant with an annual not to exceed amount of \$2,500.00.

5. Mutual Provisions Regarding Construction and Maintenance

a. Canal may only be shut down for a specified period of time ("Shutdown Period"). City and District shall meet and confer with each other to determine if any City work requires a Shutdown Period for the Canal. The parties agree to mutually agree to a Shutdown Period prior to the commencement of any construction or maintenance work in the Canal. Canal dewatering will commence on or before the morning of the first day of the scheduled Shutdown Period. During any construction or maintenance of the Project, contractor must manage all storm water that may enter the construction site from onsite storm runoff and storm flows which enter the Canal from City storm drain inlets. The contractor during all other periods (non-Shutdown Period) of time shall be required to maintain the Canal in Full Operation. "Full Operation" for

purposes hereof shall mean continuous, consistent and safe operation at flow rates as may be required or specified by the District from time to time in the District's sole discretion.

- b. City is responsible for handling any water that may remain in the Canal or in and around the job site during the Shutdown Period. It shall also be the responsibility of the City to provide for passage of any flows that may occur during the construction or maintenance of the Project. The District cannot and does not warrant or represent the actual amount of water City may be required to handle during the construction or maintenance period and City assumes all risks and responsibilities therefore regardless of the actual volume thereof.
- c. If the Canal or District's Easement is damaged by or attributable to City or the Project including the construction, removal, maintenance or replacement of same, City shall reimburse District for any and all costs and expenses reasonably or necessarily incurred by District in replacing or repairing the Canal and/or District's Easement. City shall also reimburse District for any and all other actual and reasonable costs and expenses incurred, or actual and reasonable revenues or water supplies lost, by District, due to District's inability to use the Canal and/or District's Easement. District shall provide City with written notice of any damage caused by or attributable to City or the Project. City shall have the option to repair any damage caused by or attributable to City or the Project, provided such repairs are done in strict compliance with any applicable plans and specifications required and approved, in writing, by District. City shall decide whether to complete said repairs within fifteen (15) days receipt of District written notice, unless circumstances require a shorter response period from City, as determined by District. Notwithstanding this provision, the parties reserve the right to mutually agree, in writing, to alternate means of handling any damage attributable to City or the Project.
- d. In the event District is unable to make water deliveries through the Canal as a result of the Project, including the existence, construction, removal, repair, maintenance or replacement thereof, City shall, at City's sole cost and expense, provide an alternate suitable water supply to District at the same flow rate as would have been delivered absent the Project. Said alternate water supply shall be delivered at no cost to District.
- e. District may be present throughout any construction or maintenance of the Project in the Area of Common Use, for the purpose of inspecting all construction and maintenance, and determining whether the Project is constructed, repaired and/or maintained in strict compliance with any applicable plans and specifications approved, in writing, by District. All work to be performed hereunder shall be performed to the satisfaction of District.

6. Indemnity:

a. City hereby agrees and undertakes to indemnify, defend and hold harmless District, its officers, agents, and employees from any and all losses, costs, expenses (including reasonable attorneys' fees), claims, liabilities, actions or damages of any nature whatsoever, including injuries to or the death of any person or persons or damage to any property, in any way arising out of or connected with or incident to or alleged to have arisen in any manner out of, or to have been in any way connected with or incident to any act or omission of City, its officers, agents, employees, contractors, subcontractors, or independent contractors in the performance of this

Agreement or to have occurred as a result of any acts or omissions by City, its officers, agents, and employees in the performance of this Agreement. For purposes of this paragraph, the performance of this Agreement shall be in full force and effect during all periods of construction, maintenance use, and existence of the Project.

- b. District hereby agrees and undertakes to indemnify, defend and hold harmless City, its officers, agents, and employees from any and all losses, costs, expenses (including reasonable attorneys' fees), claims, liabilities, actions or damages of any nature whatsoever, including injuries to the death of any person or persons or damage to any property, in any way arising out of or connected with or incident to or alleged to have arisen in any manner out of, or to have been in any way connected with or incident to any act or omission of District, its officers, agents, employees, contractors, subcontractors, or independent contractors in the performance of this Agreement. For purposes of this paragraph, the performance of this Agreement shall be in full force and effect during all periods of construction, maintenance use, and existence of the Project.
- c. City will indemnify, defend and hold harmless District, its officers, agents, or employees, for all losses, claims, actions, or damages of any nature related to the injury or death of any person occurring in the Canal directly adjacent to the Project, except for District's negligence or willful misconduct.

7. Miscellaneous:

- a. By entering into this agreement, District does not extinguish, abandon, forfeit, relinquish, waive, modify, limit, restrict, or alter in any way District's water rights, including but not limited to, any and all water rights associated with or conveyed across the City's property, and this agreement further does not and will not restrict, interrupt, limit, or diminish District's use of and access to any of this water rights and water supplies.
- b. District and City shall not become or be deemed a partner or joint venturer or associate by reason of the provisions of this Agreement. Neither Party shall for any purpose be considered an agent, officer or employee of the other Party.
- c. Any City contractor working in the Area of Common Use shall procure and maintain general liability insurance, providing coverage on an occurrence basis for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than One Million Dollars (\$1,000,000.00) per occurrence. The liability policy shall contain an additional insured endorsement which shall expressly name the District, its officers, agents, servants, employees and consultants as additional insureds, without limitation. In addition, the contractor and/or subcontractors shall maintain workers' compensation insurance while working within the Area of Common Use. The workers' compensation policy shall contain an express waiver of subrogation endorsement in favor of the District, its officers, agents, servants, employees and consultants. Said additional insured endorsement and workers' compensation subrogation

endorsement shall be furnished in the form approved by the District's legal counsel prior to any work authorized pursuant to this Agreement.

- d. The failure of any Party to enforce against another Party any provision of this Agreement shall not constitute a waiver of that Party's right to enforce such a provision at a later time, and shall not serve to vary the terms of this Agreement.
- e. This Agreement may be modified only in writing approved by District and City and signed by all the Parties.
- f. In the event of a conflict between the terms, conditions or specifications set forth in this Agreement and those in exhibits attached hereto, the terms, conditions or specifications set forth in this Agreement shall prevail. All exhibits to which reference is made in this Agreement are deemed incorporated in this Agreement whether or not actually attached.
- g. All notices relative to this Agreement shall be given in writing and shall be personally served or sent by certified or registered mail and be effective upon actual personal service or depositing in the United States mail. The Parties shall be addressed as follows, or at any other address designated by notice:

DISTRICT: Kern Delta Water District

501 Taft Highway Bakersfield, CA 93307 Attn.: General Manager

CITY: City of Bakersfield

1600 Truxtun Avenue Bakersfield, CA 93301

Attn.: Public Works Director

- h. The laws of the State of California will govern the validity of this Agreement, its interpretation and performance. Any litigation arising in any way from this Agreement shall be brought in Kern County, California.
- i. Neither this Agreement, nor any interest in it, may be assigned or transferred by any Party without the prior written consent of all the Parties. Any such assignment may be subject to additional terms and conditions not set forth herein.
- j. The rights and obligations of this Agreement shall inure to the benefit of, and be binding upon, the Parties to this Agreement and their heirs, administrators, executors, personal representatives, successors and assigns.
- k. Each individual signing this Agreement on behalf of the respective entities represents and warrants that he or she is, respectively, duly authorized to sign on behalf of the entities and to bind the entities fully to each and all of the obligations set forth in this Agreement.

•	execute and deliver such papers, documents, and ecessary or appropriate, to implement the terms of this his Agreement.
	ees to pay the prevailing party reasonable attorney's ests in any action brought to enforce any of the terms,
n. The maintenance oblis hereby declared to constitute a covenant is	ligations assumed by City pursuant to this Agreement running with the servient tenement.
IN WITNESS WHEREOF, the Parthe day and year first above written.	rties hereto have caused this instrument to be executed
	"DISTRICT"
	KERN DELTA WATER DISTRICT, a California water district
	By: Steven L. Teglia, General Manager
	"CITY"

By:____



CHANGE ORDER

Based on AIA Document G701

Project:	Kern Delta Water District	Change Order No.: 4
----------	---------------------------	---------------------

501 Taft Highway

Bakersfield, CA

Architect's Project No: 5884

Date: 4-16-21

To Contractor: Black-Hall Construction

147 Kern Street Taft, CA 93268 Contract Date: June 15, 2020

Contract For: \$ 1,948,841.00

The Contract is changed as follows:

1.	CP#38 – Installation of additional data ports	\$	5,854.65
2.	CP#39 - Design revisions to signage at reception counter to raised aluminum letters and logo		2,071.87
3.	CP#41 – Installation of raised landing at existing utility closet		2,587.50
3.	CP#42 – Install new sinks and faucets as revised on ASI-001		1,943.45
4.	CP#45 – Join roof drains on east side of building		2,245.62
5.	CP#46 - Install dust proof floor strikes at the pair of Board Room Doors and IT Closet,		
	Install astragal to Pair of Board Room Doors		601.45
6.	CP#47 – Security astragal on exterior door in Open Office #118		287.50
7.	Reconciliation for outstanding items from Change Order #3 (CP #32, #34 & #36)		1,972.10
	NOT VALID UNTIL SIGNED BY THE OWNER, ARCHITECT AND CONTRACTOR		
The	original (Contract Sum)(Guaranteed Maximum Price) was	1,9	48,841.00
	Change by previously authorized Change Orders\$	1	73,905.58
The	(Contract Sum)(Guaranteed Maximum Price) prior to this Change Order was\$	2,1	22,746.48
The	(Contract Sum)(Guaranteed Maximum Price) will be (increased)(decreased)		
	(unchanged) by this Change Order in the amount of\$		17,564.14
The	new (Contract Sum)(Guaranteed Maximum Price) including this change order will be\$	2,1	40,310.62
The	Contract time will be (increased)(decreased)(unchanged) by	(12	2) days
The	date of Substantial Completion as of the date of this Change Order therefore is: March 17, 2021		

NOTE:

Skarphol Associates	Black-Hall Construction	Kern Delta Water District
ARCHITECT	CONTRACTOR	OWNER
1801 Oak Street, Suite 111	Billing Address	Billing Address
Bakersfield, CA 93301	City, State Zip Code	City, State Zip Code
fair holist		
By: Ross Sweet	Ву:	Ву:
Date: <u>4-16-2021</u>	Date:	Date:

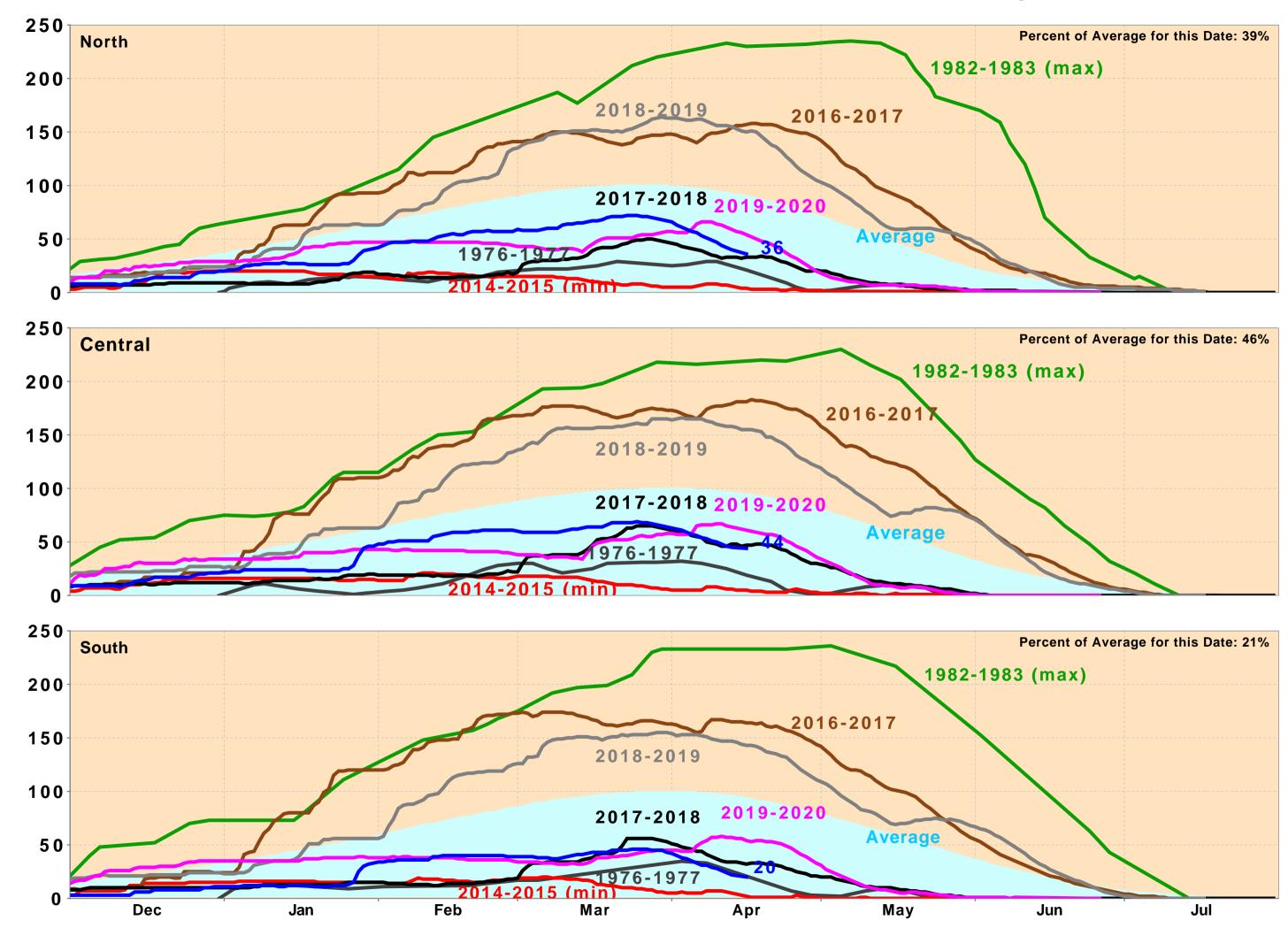
Tab V KERN DELTA WATER DISTRICT

KERN DELTA WATER DISTRICT

KEKN DELIA	1 /////////////////////////////////////		DIN	<u> 101</u>	
				April 14, 2021	
	4/14/2021		Last Year		
KERN RIVER 3 DAY MEAN INFLOW	431 C	CFS		CFS	
KERN RIVER MEAN OUTFLOW	460 C			CFS	
ISABELLA RESERVOIR STORAGE	93,121 A		186,826		
REQUESTED OUTFLOW	460 C			CFS	
2					
Estimated: (CFS)					
KDWD DAILY DIVERTED: (APRIL 14, 2021)	@HEAD		STATE	XCHNG	BANKIN
KERN ISLAND	138		0	0	
EASTSIDE	52		0	0	
BUENA VISTA -LEVEE	0		0	0	
STINE	0		0	0	
OTHER - River Channel	0		0	0	
K.I. / A.E. Exchange Gate	0		0	0	
STINE / A.E. Exchange Gate	0		0	0	
Total CFS	190		0	0	
KERN ISLAND EASTSIDE C.O.B. Misc.	9,993 2,463 0		0 0 0	0 0 0	
BUENA VISTA	0		0	0	
STINE	0		0	0	
FARMERS	0		0	0	
SOUTH FORK	0		0	0	
West Side State Sale	0		0	0	
MONTHLY TOTAL	12,456		0	0	
YEAR TO MARCH 31, 2021	32,344 A	.CFT	0	0	
Year to March 31, 2021 Utility - State - Banking	32,344 A	CFT			
					14 G.
	3/31/2021			Estimate 4/14/2021	
KERN ISLAND	3,056			<i>4/14/2021</i> 4,149	15,00
KERN ISLAND BUENA VISTA	3,056 1,420			4/14/2021 4,149 1,392	15,00 Store A
KERN ISLAND BUENA VISTA STINE	3,056 1,420 1,450			4/14/2021 4,149 1,392 1,450	15,00 Store A Store A
KERN ISLAND BUENA VISTA STINE FARMERS	3,056 1,420 1,450 1,367			4/14/2021 4,149 1,392 1,450 1,367	15,00 Store A Store A
KERN ISLAND BUENA VISTA STINE FARMERS STATE (20) Carryover	3,056 1,420 1,450			4/14/2021 4,149 1,392 1,450	15,00 Store A Store A Store A
KERN ISLAND BUENA VISTA STINE FARMERS STATE (20) Carryover STATE (21) Contract	3,056 1,420 1,450 1,367 4,431			4/14/2021 4,149 1,392 1,450 1,367 4,431 0	15,0 Store A Store A Store A N
KERN ISLAND BUENA VISTA STINE FARMERS STATE (20) Carryover	3,056 1,420 1,450 1,367 4,431 0 23,805			4/14/2021 4,149 1,392 1,450 1,367 4,431 0 23,805	15,00 Store A Store A Store A N
BUENA VISTA STINE FARMERS STATE (20) Carryover STATE (21) Contract	3,056 1,420 1,450 1,367 4,431			4/14/2021 4,149 1,392 1,450 1,367 4,431 0	Max Storag 15,00 Store A Store A Store A N/ N/ N/

K.D.W.D. CLIMATOLO	OGICAL OBSE.	RVATION:		ISABEL	LA CLIMATOLOG	GICAL OBSERVATIO	N:
		49 MI	INIMUM TEMF	PERATURE 45	5		
		83 MA	AXIMUM TEMI	PERATURE 70	_)		
	_	51 PI	RESENT TEMP	ERATURE 49)		
		0.00 PRE	CIPITATION -	24 HR. DAY 0.00	<u>)</u>		
	_	0.00 PI	RECIPITATION	- MONTH 0.00	<u>)</u>		
	Seasonal	1.77 Y	EAR TO DATE	E PRECIP. 3.80	<u>Seasonal</u>		
ISABELLA RESEVOIR	<u>.</u>						
	LAKE EL	EVATION (FT.)	2,544.95	MARCH AC. FT.	INFLOW	16,	628
	ST	ORAGE ACFT.	93,121	MARCH AC. FT.	OUTFLOW	16,	403
	STORA	GE CAPACITY	568,075	ACCUMULATIV	E ACFT. INFLOV	V (20-21) 76,	456
	%	OF CAPACITY	16%	ACCUMULATIV	E ACFT. OUTFLO	OW 75,	971
	COE STORA	GE CAPACITY	360,000	% OF COE CAPA	ACITY	2	26%
Summary of Utility V	Water Diverted	Year to Date: 3/3	1/2021	Summary of Other Water	Diverted Year to	Date: 3/31/2021	
			Other				
	Uility	North Kern*	Exchanges		State	Purchase	Banki
January	6,805	0	0	January	0	0	
February	13,083	0	0	February	0	0	
March	12,456	0	0	March	0	0	
April				April			
May				May			
June				June			
July				July			
August				August			
September				September			
October				October			
November				November			
December				December			
Total	32,344	0	0	Total	0	0	
			ſ	I			
Water owed to K.D.V	V.D as of: 3/31/	2021		Summary of Total State	Water Used Year t (OWI)
B.V.W.S.D. 2020 State	-	4,431		2020 Carryover	4,4.	51	0
2021 State Co	ontract: Table 2	1		2021 Contract			
				Total	4,4.	31	0

California Snow Water Content, April 16, 2021, Percent of April 1 Average



Current Regional Snowpack from Automated Snow Sensors

% of April 1 Average / % of Normal for This Date



NORTH					
Data as of April 16, 2021					
Number of Stations Reporting	31				
Average snow water equivalent (Inches)	10.2				
Percent of April 1 Average (%)	36				
Percent of normal for this date (%)	40				

CENTRAL					
Data as of April 16, 2021					
Number of Stations Reporting	41				
Average snow water equivalent (Inches)	13.0				
Percent of April 1 Average (%)	44				
Percent of normal for this date (%)	46				

SOUTH				
Data as of April 16, 2021				
Number of Stations Reporting	26			
Average snow water equivalent (Inches)	5.0			
Percent of April 1 Average (%)	20			
Percent of normal for this date (%)	21			

STATE					
Data as of April 16, 2021					
Number of Stations Reporting	98				
Average snow water equivalent (Inches)	10.0				
Percent of April 1 Average (%)	36				
Percent of normal for this date (%)	39				

Statewide Average: 36% / 39%

State of California

NOTICE TO STATE WATER PROJECT CONTRACTORS



Date: 3/23/2021

Number: 21-06

Subject: 2021 State Water Project Allocation Decrease - 5 Percent

From:

Ted Craddock

Deputy Director, State Water Project

Department of Water Resources

Due to the persistent dry conditions, the Department of Water Resources (DWR) is decreasing the allocation of 2021 State Water Project (SWP) water for long-term contractors from 422,848 acre-feet to 210,266 acre-feet. Based on the recent low amount of precipitation and runoff, and an assessment of overall water supply conditions, SWP supplies are projected to be 5 percent of most SWP contractors' 2021 requested Table A amounts, which totals 4,172,786 AF. Attached is the revised 2021 SWP 5 percent allocation table.

This allocation is made consistent with the long-term water supply contracts and public policy. DWR's approval considered several factors including existing storage in SWP conservation reservoirs, SWP operational constraints such as the conditions of the 2019 Biological Opinions for federally listed species, the 2020 Incidental Take Permit for State listed species and the 2021 SWP contractors' demands. DWR may revise this and any subsequent allocations if warranted by the developing hydrologic and water supply conditions.

To develop the 5 percent schedule, DWR will scale down the current long-term SWP contractors' 15 percent schedules that were submitted in October 2020 (as part of the initial requests), unless SWP contractors submit updated schedules. DWR will send the approved monthly water delivery schedules to the long-term SWP contractors.

If you have any questions or need additional information, please contact John Leahigh, Water Operations Executive Manager, at (916) 651-2447.

Attachment

DWR 9625 (Rev. 3/12) Page 1 of 1

2021 STATE WATER PROJECT ALLOCATION (ACRE-FEET)

SWP CONTRACTORS		TABLE A	INITIAL REQUEST	APPROVED ALLOCATION	PERCENT INITIAL REQUEST APPROVED
		(4)	(2)	(2)	(3)/(2)
FEATHER RIVER		(1)	(2)	(3)	(4)
County of Butte		27,500	27,500	3,000	11%
Plumas County FC&WCD		2,700	2,700	135	5%
City of Yuba City		9,600	9,600	480	5%
	Subtotal	39,800	39,800	3,615	
NORTH BAY	Subtotal	00,000	00,000	0,010	
Napa County FC&WCD		29,025	29,025	1,451	5%
Solano County WA		47,756	47,756	2,388	5%
· · · · · · · · · · · · · · · · · · ·	Subtotal	76,781	76,781	3,839	
SOUTH BAY		,	,	-,	
Alameda County FC&WCD, Zone	7	80,619	80,619	4,031	5%
Alameda County WD		42,000	42,000	2,100	5%
Santa Clara Valley WD		100,000	100,000	5,000	5%
l	Subtotal	222,619	222,619	11,131	
SAN JOAQUIN VALLEY		,	,	,	
Oak Flat WD		5,700	5,700	285	5%
County of Kings		9,305	9,305	465	5%
Dudley Ridge WD		41,350	41,350	2,068	5%
Empire West Side ID		3,000	3,000	150	5%
Kern County WA		982,730	982,730	49,137	5%
Tulare Lake Basin WSD		87,471	87,471	4,374	5%
	Subtotal	1,129,556	1,129,556	56,479	
CENTRAL COASTAL					
San Luis Obispo County FC&WCD)	25,000	25,000	1,250	5%
Santa Barbara County FC&WCD		45,486	45,486	2,274	5%
	Subtotal	70,486	70,486	3,524	
SOUTHERN CALIFORNIA					
Antelope Valley-East Kern WA		144,844	144,844	7,242	5%
Santa Clarita Valley WA		95,200	95,200	4,760	5%
Coachella Valley WD		138,350	138,350	6,918	5%
Crestline-Lake Arrowhead WA		5,800	5,800	290	5%
Desert WA		55,750	55,750	2,788	5%
Littlerock Creek ID		2,300	2,300	115	5%
Metropolitan WDSC	1	1,911,500	1,911,500	95,575	5%
Mojave WA		89,800	89,800	4,490	5%
Palmdale WD		21,300	21,300	1,065	5%
San Bernardino Valley MWD		102,600	102,600	5,130	5%
San Gabriel Valley MWD		28,800	28,800	1,440	5%
San Gorgonio Pass WA		17,300	17,300	865	5%
Ventura County WPD	_	20,000	20,000	1,000	5%
	Subtotal	2,633,544	2,633,544	131,678	
TOTAL		4,172,786	4,172,786	210,266	

B-120 WATER SUPPLY FORECAST UPDATE SUMMARY

UNIMPAIRED FLOW FOR - APRIL 2021

(Provisional data, subject to change)

DAYS OF MONTH	ADE	RIL 01	ADD	IL 13				
		1			47.101	0/ 41/0	47.1/01	0/ 41/0
WATERSHED PERCENTILES	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG
hasta Lake, Total Inflow	000	=-	000					Average = 1,7
0% Exceedance	990	56	920	52				
0% Exceedance	1,190	68	1,090	62				
.0% Exceedance	1,460	83	1,320	75				
Sacramento River above Bend Bridge (near Red Bluff)								Average = 2,4
0% Exceedance	1,210	50	1,140	47				
0% Exceedance	1,520	63	1,410	58				
.0% Exceedance	1,930	80	1,760	73				
eather River at Oroville								Average = 1,7
0% Exceedance	660	39	620	36				
0% Exceedance	1,020	60	920	54				
0% Exceedance	1,380	81	1,230	72				
uba River near Smartsville								Average = 96
00% Exceedance	360	37	330	34				
0% Exceedance	600	62	520	54				
0% Exceedance	840	87	740	76				
merican River below Folsom Lake								Average = 1,1
00% Exceedance	530	44	490	41				
0% Exceedance	740	62	640	53				
0% Exceedance	1,040	87	910	76				
10kelumne River, Inflow to Pardee Reservoir								Average = 45
0% Exceedance	170	37	160	35				
0% Exceedance	260	57	230	50				
0% Exceedance	360	79	320	70				
Stanislaus River below Goodwin Res (blw New Melones)								Average = 68
0% Exceedance	230	34	200	29				5
50% Exceedance	360	53	320	47				
0% Exceedance	550	81	490	72				
uolumne River below La Grange Res (blw Don Pedro)								Average = 1,1
0% Exceedance	470	39	430	36				
0% Exceedance	650	54	580	49				
0% Exceedance	940	79	850	71				
Merced River below Merced Falls (blw Lake McClure)	3.10	, ,	000	/ =				Average = 62
10% Exceedance	190	30	160	26				Average – 02
0% Exceedance	300	48	260	42				
0% Exceedance	460	74	410	66				
an Joaquin River below Millerton Lake	400	77	710	00				Average = 1,2
10% Exceedance	270	22	230	19				Average – 1,2
	470			34				
60% Exceedance		38	420					
0% Exceedance	700	57	620	50				
DAYS OF MONTH	APF	RIL 01	APR	IL 13				
WATERSHED PERCENTILES	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG
ings River below Pine Flat Reservoir							,	Average = 1,2
0% Exceedance	230	19	210	17				,
0% Exceedance	400	33	370	31				
0% Exceedance	580	48	540	45				
aweah River below Terminus Reservoir	300	10	5 10	,5				Average = 28
0% Exceedance	35	12	35	12				/werage = 20
0% Exceedance	80	28	70	25				
0% Exceedance	130	46	110	39				
	130	70	110	23				Average = C
ule River below Lake Success	2	_	2	_				Average = 6
0% Exceedance	3	5	3	5				
0% Exceedance	9	14	7	11				
0% Exceedance	25	40	23	37				
ern River Inflow to Lake Isahella								$\Delta verage = 4$

Average = 458

Kern River, Inflow to Lake Isabella

APRIL-JULY FORECAST UPDATE SUMMARY (IN THOUSANDS OF ACRE-FEET)								
90% Exceedance		60	13	50	11			
50% Exceedance		110	24	95	21			
10% Exceedance		180	39	160	35			
NOTES								

- Runoff forecasts are unimpaired (full natural) flows which represent the natural water production of the river basin, unaltered by upstream diversions, storage, or export or import of water to or from other watersheds.
- Runoff exceedance levels are derived from historical data. The 90 percent exceedance level and the 10 percent exceedance level together comprise a range about the median forecast in which the actual runoff should fall 8 times out of 10.
- Forecasts are stated in 1,000's of acre-feet and percent of (50-year) average.
- The averages are for the period 1966 to 2015.

CONTACT INFORMATION						
FIRST NAME	LAST NAME	EMAIL	PHONE			
Sean	de Guzman	Sean.deGuzman@water.ca.gov	(916) 572-2208			
Andrew	Reising	Andrew.Reising@water.ca.gov	(916) 574-2181			
Ashok	Bathulla	Ashok.Bathulla@water.ca.gov	(916) 574-2634			
Lauren	Alkire	Lauren.Alkire@water.ca.gov	(916) 574-1433			
Anthony	Burdock	Anthony.Burdock@water.ca.gov	(916) 574-2637			



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Steven L. Teglia
General Manager
L. Mark Mulkay
Water Resources Manager
Chris Bellue
Assistant General Manager
Bryan C. Duncan
Controller
Richard Iger
General Counsel
McMurtrey, Hartsock & Worth
Special Counsel

April 16, 2021

To All District Water Users:

Lake Isabella has received 3.80 inches of precipitation since October 1, 2020. The latest California Department of Water Resources (DWR) water supply forecast model is predicting a 21% April – July water year on the Kern River. The DWR allocation of State Water Project water is 5%.

Utility and State Water Project (SWP) water for the Kern Island, Farmers, Stine, and Buena Vista service areas will be prorated. District Staff will attempt to coordinate with growers on the timing of the summer runs for each utility. Estimated amounts for Utility and SWP prorations in acre-feet per acre are as follows:

	Utility	State	Total
Buena Vista	0.14	0.09	0.23
Stine	0.19	0.04	0.23
Farmers	0.34	0.00	0.34
State West of 99	0.00	0.23	0.23
State East of 99	0.00	0.13	0.13
Monthly Proration of	June	July	August
Kern Island	0.25	0.25	0.17

- During the months of June and July, Kern Island Utility users may only carry unused proration allocations from the preceding month into the following month.
- For Kern Island Utility users, future month's proration allocations cannot be borrowed against. Monthly balances may be obtained by calling the District's Operations Department.

 These quantities are estimates only and are subject to revision. As the season continues, adjustments will be made as needed due to changes in the estimated run off.

District Staff will do our very best to keep you informed of any changes in water supplies. Growers are encouraged to sign up for our weekly newsletter for the latest information. Please visit KernDelta.Org and follow the link at the bottom of the page to sign up for the newsletter. We ask for your continued cooperation and patience during this process. Any questions or concerns can be directed to the Operations Department at (661) 834-4653.

Sincerely,

Steven L. Teglia General Manager

Kern Delta Water District



Depth-to-Groundwater 2021

			Join June	2016	2017		100 Ja	2020	\$10°1	2021	* 100.1	2021	1/0/1	7007	6392) 6392)	100g	100 AG	1202) 1202)	, Agri	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	x / 2 x
Northwest Quadrant	30/26-26C	R	196	206	190	R	204	L	L	L	L		,					Ĭ	0	0	####
	30/26-26G	187	199	207	197	R	199	L	L	L	L								0	0	####
	30/26-27Ј	177	198	206	198	R	210	L	L	L	L								0	0	####
	30/26-35N			NR	181	184	171	169	175	175	175								175	169	174
	30/27-31E	185	202	214	181	202	219	201	208	218	213								218	201	210
	31/26-08G	152	168	NR	168	NR	204	205	202	NR	NR								205	202	204
Ž	31/26-10J	175	206	NR	170	202	NR	203	201	201	201								203	201	202
	31/27-06C	200	195	202	NR	208	215	203	209	209	205								209	203	207
	31/27-07B	189	198	NR	199	R	200	NR	223	R	R								223	223	223
	31/26-13N			198	180	201	NR	NR	208	R	R								208	208	208
Southwest Quadrant	31/26-15J			200	168	205	NR	201	200	200	203								203	200	201
	31/26-16P			NR	168	207	204	202	209	211	203								211	202	206
	31/26-17Q			NR	NR	210	203	219	219	201	203								219	201	211
	31/26-21N			NR	175	238	204	204	202	202	201								204	201	202
	31/26-30G			186	159	240	268	203	R	R	201								203	201	202
Š	31/27-18D01			NR	NR	206	201	203	204	211	R								211	203	206
	32/26-08J			132	189	215	209	212	206	206	203								212	203	207
	32/27-07N			160	NR	200	288	200	200	202	NR								202	200	201
	30/28-29B			NR	236	243	229	225	223	R	R								225	223	224
nt	31/27-01L			190	260	220	232	219	217	206	230								230	206	218
adra	31/27-04A			158	176	183	184	179	178	186	170								186	170	178
ral Q	31/27-05J			NR	200	NR	228	207	207	211	R								211	207	208
Cent	31/27-10B			NR	NR	NR	208	208	207	207	204								208	204	207
North-Central Quadrant	31/27-11K			171	170	330	227	333	328	331	NR								333	328	331
	31/27-12Q			NR	140	140	139	141	140	R	R								141	140	141
	31/28-08A			216	220	243	244	249	248	250	255								255	248	251

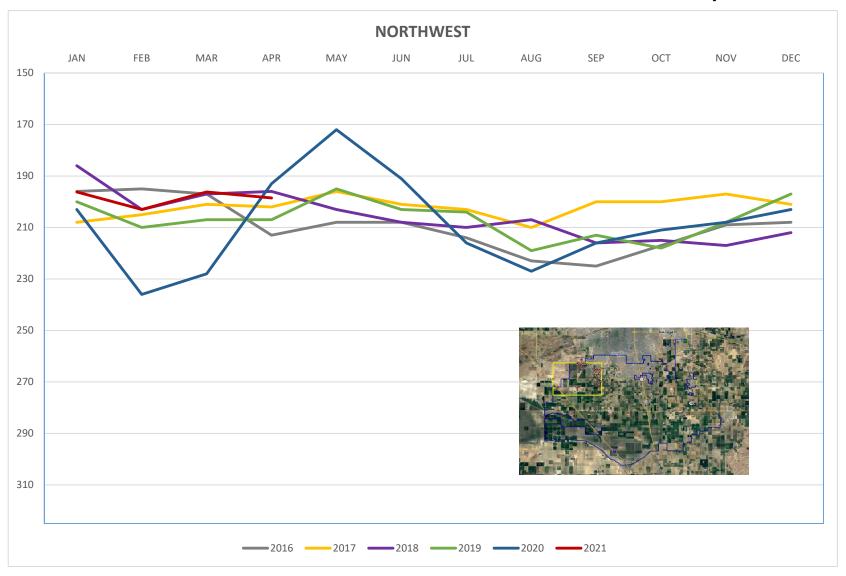


Depth-to-Groundwater 2021

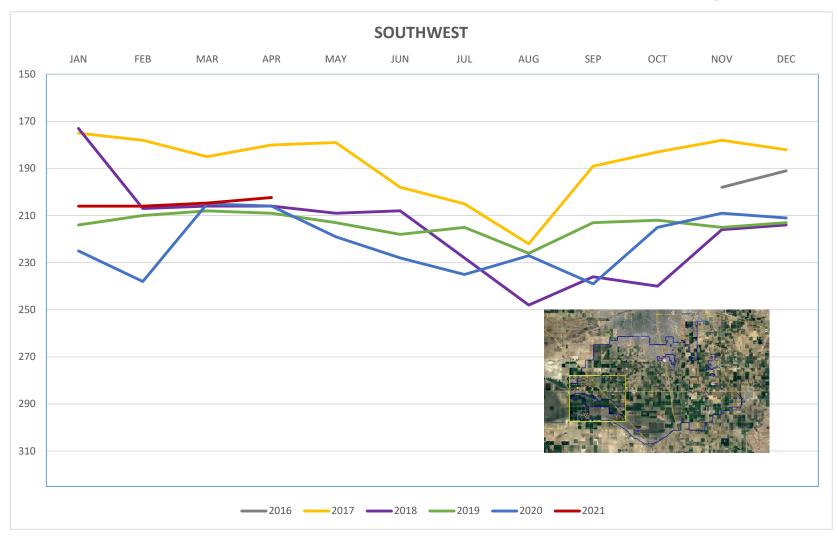
		/5	3015	2016	2017 JA		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2020	100°	2001 M	2.001	2021	1,001	, Jaj 1		6363 6363	1979 S.	1,001 1,001	1202) 1202)	Jos.	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1/2/2
	31/27-20H	\ \sqrt{\sqrt{\psi}}	<u> </u>	NR	NR	NR	211	NR	NR	208	208	- Ar	<i>Z</i>	<u> </u>	7 8	/ St	<u> </u>	7	/ Q'	208	208	208
South-Central Quadrant	31/27-21M			NR	160	L	L	NR	NR	189	R									189	189	189
	31/28-20D			NR	180	190	201	R	202	R	R									202	202	202
	32/27-15B			192	196	231	202	200	NR	NR	NR									200	200	200
	32/28-19A			216	NR	215	222	222	220	222	233									233	220	224
	32/28-05A			NR	NR	250	239	220	202	227	228									228	202	219
	32/28-05B			NR	NR	226	201	205	211	202	203									211	202	205
	32/28-08R			NR	NR	224	253	222	238	202	228									238	202	223
	30/28-11F	240	250	254	248	263	263	264	263	264	259									264	259	263
	30/28-13C			299	290	R	300	331	308	328	R									331	308	322
ıτ	30/28-24R			NR	NR	306	311	309	305	309	R									309	305	308
Northeast Quadrant	30/28-26R			NR	NR	287	NR	NR	NR	NR	R									0	0	####
	30/28-36A						212	NR	308	311	R									311	308	310
	30/29-31C			319	323	327	338	330	338	328	320									338	320	329
	31/28-02H			NR	288	291	290	295	238	241	296									296	238	268
	31/28-10A			328	249	253	253	258	266	260	261									266	258	261
	31/28-12P			NR	222	286	284	NR	260	R	288									288	260	274
	31/28-13H2					NR	NR	NR	285	R	277									285	277	281
	31/28-14D			226	233	239	230	235	233	236	R									236	233	235
	31/28-23H			NR	278	290	286	275	293	NR	R									293	275	284
	31/28-34H			NR	NR	337	206	204	NR	NR	NR									204	204	204
drant	31/29-18A			NR	234	335	333	241	336	328	330									336	241	309
Southeast Quadrant	31/29-28C	326	257	NR	219	347	344	NR	348	338	NR									348	338	343
theast	31/29-30H			NR	NR	NR	NR	331	R	R	R									331	331	331
Sou	31/29-33D			NR	294	342	250	338	326	318	331									338	318	328
	32/28-14F	287	NR	NR	NR	NR	222	241	245	246	240									246	240	243
	32/28-15R	250	305	NR	300	263	272	291	290	307	300									307	290	297
	32/28-01P			NR	NR	NR	NR	NR	NR	NR	NR									0	0	####
	32/29-06P	193	198	201	NR	183	177	208	189	NR	194									208	189	197

	High	Low	Ave.	A=anomalyous reading (either wildly high or wildly low, therefore not included in data)
NORTHWEST	223	169	203	R = Pump Running
SOUTHWEST	219	200	205	NR = No Reading (well temporarily inaccessible, unreliable reading, etc)
NORTH-CENTRAL	333	140	220	CAP = Well has been Capped
SOUTH-CENTRAL	238	189	209	WA= Well added to rotation
NORTHEAST	338	238	292	NW = No well, well removed since previous well run
SOUTHEAST	348	189	277	L = Gated well, letter has been sent to property owner requesting access

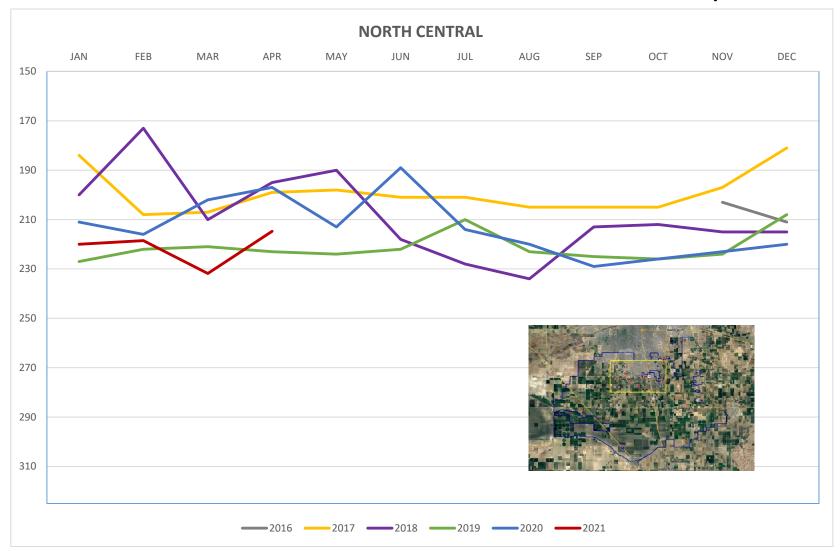




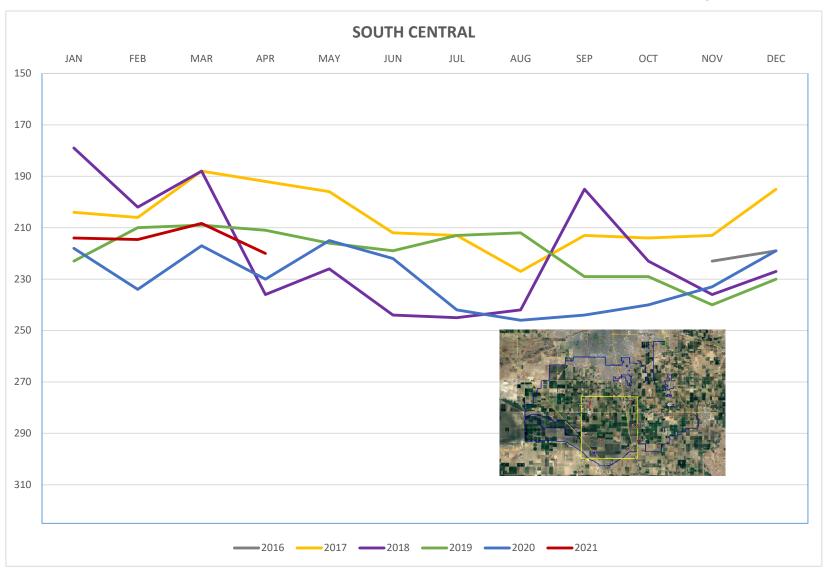




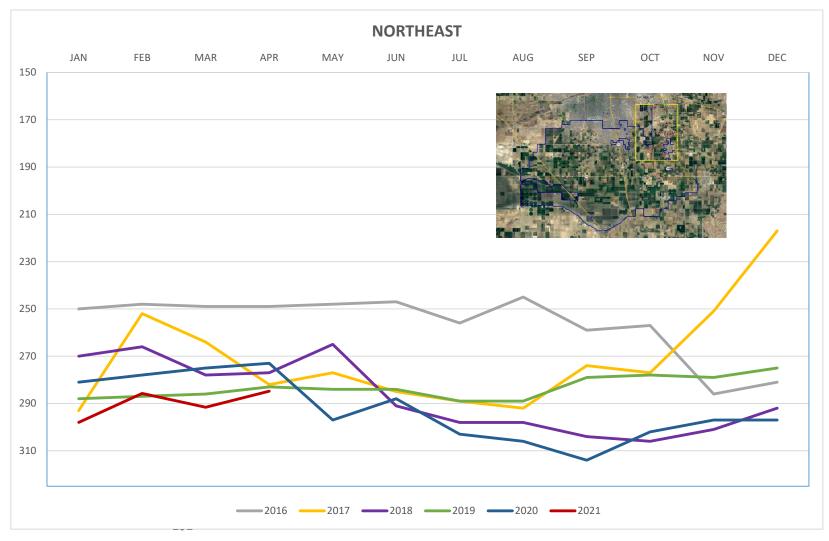




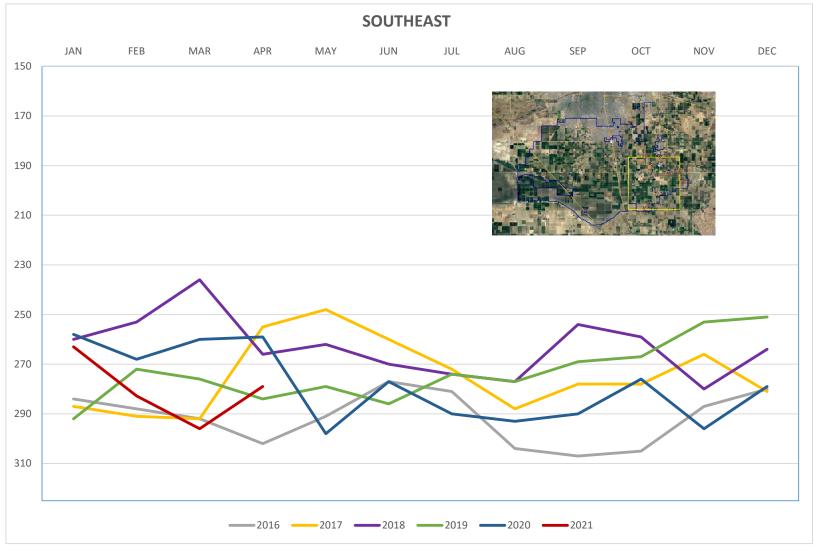














ISABELLA LAKE, CA CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG

Location & Description

Isabella Lake Dam (consisting of a Main Dam, Auxiliary Dam and service spillway) is located about 40 miles northeast of Bakersfield in Kern County, California, and became fully operational in 1953. The Main Dam is located near the confluence of the north and south forks of the Kern River and the Auxiliary Dam is located about half a mile east of the Main Dam. The Main Dam is a 185-foot-high earth-fill dam, and the Auxiliary Dam is a 100-foot-high earth-fill dam. The service spillway is located between the two dams. The reservoir (Isabella Lake) has a gross storage capacity of 568,075 acre feet.

April 2021



Advisory

- USACE has established enhanced protocols to ensure the safety of our employees and our partners, and to take necessary precaution to prevent the spread of COVID-19.
- The Phase II Dams and Spillways contractor (Flatiron/Dragados/Sukut Joint Venture, or FDS JV) continues construction activities. As a result, the site including Engineers Point is an active construction area and is off limits to the public.
- Corps policy prohibits public operation of unmanned aircraft systems, such as drones, on or above federal lands and waters managed by USACE. The policy is intended to ensure critical infrastructure security and public safety.

Looking Ahead Next 30+ days)

- Construction crews continue excavation and slope stabilization on the Emergency Spillway. Steel rebar, slab, and wall placement work continues on the Labyrinth Weir.
- Main Dam excavation began April 1 and Main Dam embankment is scheduled to begin in late May.
- The Project Delivery Team continues with the NEPA analysis for the U.S. Forest Service Visitor Center.
 A 30-day public comment period will open on/about April 12 and USACE will host a virtual public meeting
 to discuss the Draft SEA on April 22. More information will be provided as the date draws near. The Final
 EA is scheduled to be complete in June.
- Auxiliary Dam embankment continues to work toward achieving elevation 2610 by April 30, and we
 expect to reach elevation 2637 at the dogleg in June.
- USACE will provide updates on any changes via public outreach, the monthly SITREP, and the Isabella Task Force engagements.

Current Lake Status (as of Apr 6, 2021)

The current pool resides at 93,842 acre-feet (elevation 2,545 feet-IPD), which is 55% of flood conservation pool and 26% of restricted pool.

As part of our interim risk reduction measures, Isabella Lake is restricted to 361,250 acre-feet (elevation 2,589 feet-IPD) outside of flood season. During flood season (~November-March), flood conservation pool is restricted to 170,000 acre-feet (elevation 2,585.5 feet-IPD). Current lake status can be viewed at https://go.usa.gov/xE2pX

Milestones								
Pre-Construction Engineering and Design	Complete							
Construction of USFS Fire Station and Admin Facilities	Complete							
U.S. Forest Service Visitor's Information Center	In Planning							
Dams and Spillways Construction	2018-2022							

Tab VI KERN DELTA WATER DISTRICT

SUNSET GROUNDWATER RECHARGE FACILITY OPERATION AND MAINTENANCE AGREEMENT

This agreement (Agreement), effective ______, 2021, is entered into by and between Kern Delta Water District (KD) and Arvin-Edison Water Storage District (AE), and is for the development, operation, maintenance, repair, replacement and ultimately joint use of the Sunset Groundwater Recharge Facility. KD and AE may be referred to individually as "Party" or collectively as "Parties".

WHEREAS, KD and AE have a history of collaborating on mutually beneficial activities as documented by agreements and Memorandums Of Understandings (MOUs) related to joint use of facilities, multiple interconnections between facilities, and other similar agreements. This Agreement shall not modify, alter, or affect any of the prior agreements or MOUs between the Parties; and

WHEREAS, an overriding principle of this Agreement is that no provision in this Agreement will in any way impair the integrity of the Parties' separate water banking or water management programs nor shall it unreasonably adversely impact, either physically, operationally, or economically, a Party or its respective landowners; and

WHEREAS, KD is the sole owner and operator of the Eastside Canal and all associated facilities. KD has paid for, and maintains, all its conveyance systems at its sole expense; and

WHEREAS, AE is the sole owner and operator of conveyance systems including the AE Intake Canal, Forrest Frick Pumping Plant (FFPP), North and South Canal, and the Intertie Pipeline and all associated facilities. AE has paid for, and maintains, all its conveyance systems at its sole expense; and

WHEREAS, in 2019, KD and AE jointly (50/50 basis) invested in and purchased 149.9 acres known as the Sunset property (APNs 189-190-10, 189-200-02 and 189-200-04) including an agricultural groundwater well and a domestic groundwater well; and

WHEREAS, on July 14, 2020 and July 21, 2020 AE as lead agency and KD as a responsible agency, respectively, adopted mitigated negative declarations in compliance with CEQA for the purpose of developing groundwater recharge basins and accompanying pump station and pipeline at said Sunset property location known as the Sunset Groundwater Recharge Facility hereafter referred to as "Facility" or "Facilities"; and

WHEREAS, following adoption of the mitigated negative declaration, AE filed a Notice of Determination for the Project with the County of Kern pursuant to Public Resources Code section 21152; and

WHEREAS, the Facility is currently being designed to be served from the Eastside Canal. AE and KD desire to construct a turnout from the Eastside Canal to the Facility. AE may also construct a pipeline for direct water deliveries to the Facility from the AE North Canal; and

WHEREAS, AE also desires to design and construct an interconnection structure from the FFPP Discharge Pipeline to KD's Eastside Canal (southwest of the HWY 184 and Mueller intersection), to allow for the transportation of water into the Eastside Canal from FFPP Discharge Pipeline/AE's Intake Canal, which has the ability to convey both AE supplies and KD supplies and will be subject to a separate agreement.

NOW, THEREFORE, the Parties agree to the following terms and conditions for the development, operation, maintenance, repair, replacement and joint use of the Facility, and other related matters:

- 1. **Construction of Facility.** The Parties shall jointly construct the necessary improvements for the Facility.
 - a. Facilities. The Parties will jointly determine the appropriate improvements needed to develop the Sunset property. Such improvements may include, but are not limited to, a turnout from KD's Eastside Canal, pumping facilities and pipelines, measurement device(s), levees, basins, interconnections between basins, turnout/spillway into KD's Eastside Canal, and any other improvements needed. At this time, the Parties do not intend to place additional groundwater extraction facilities on the property. Any future installation of new groundwater extraction facilities would be subject to mutual agreement.
 - b. **Ownership.** The portion of the turnout from KD's Eastside Canal, within KD's right-of-way, shall be owned by KD. The remainder of the Facility shall be owned jointly by the Parties.
 - c. **Plans and Specifications**. The Parties agree to use Zeiders Consulting to develop the plans and specifications for the Facility. The Parties shall jointly review and approve the final plans and specifications prepared by Zeiders.
 - d. Contractor(s). The Parties shall work jointly to develop the necessary documents to advertise for construction bid(s) and select the appropriate contractor(s) to construct the Facility. KD shall be responsible for the Facility development, the bid process, construction contract(s), construction administration and management up through and including the filing of the Notice of Completion, and shall supervise and make payment to contractor(s) including consultant(s), and AE shall have the right and obligation to consult with KD from time to time regarding same. KD shall be responsible for direct communication with contractor(s) and consultant(s), and AE shall coordinate its communications with contractors and consultants through KD, except in the case of an emergency.

e. Construction Costs. The cost of all Facility related bidding processes; construction contracting (including contract change orders) and construction management services (including inspection) shall be split equally between the Parties. Prior to awarding the construction contract, Parties' Boards of Directors shall mutually agree to contractor bid(s) and upon approval, Parties will deposit their share of the total contract cost(s) into the below described OM&R account. KD will make all payments to the contractor out of the OM&R account following approval of Parties. Parties shall mutually agree to proposed contract change orders after initial construction bidding is complete and upon approval, Parties shall also equally fund contract change order amounts into the OM&R account. At the conclusion of construction of the Facility, any remaining construction funds in the OM&R account shall be equally distributed to Parties.

2. Operation, Maintenance and Replacement (OM&R) of Facility.

- a. Capacity. Recharge capacity is available to both Parties equally. If all or a portion of one Party's capacity remains unused from time to time ("Unused Capacity"), the other Party shall have the ability to use such Unused Capacity subject to approval of the Party whose capacity remains unused, such approval not to be unreasonably withheld, conditioned or delayed. Priority in the Eastside Canal is defined in paragraph 4 below.
- b. **O&M.** KD staff shall be responsible for operating the Facility. AE staff shall be responsible for maintaining the Facility (for example, existing wells, pumps, motors, electrical panels, slope grader, pre-emergent, and mow pond bottoms). Parties shall continue to coordinate on O&M activities. O&M activities may be delegated from time to time upon mutual agreement.
- c. Metering. The Parties will measure water delivered into the Facility through a measurement device to be determined and maintained by the Parties. KD shall read such measurement device daily, when in operation, and report results monthly to AE. Either Party shall have the right to check and verify the accuracy of the measurement device as it deems appropriate. Record keeping and accounting for water will be kept and reconciled monthly by both Parties.
- d. **Procedures.** The Parties agree to meet at their earliest convenience to jointly develop appropriate O&M Procedures. Said O&M Procedures will be jointly reviewed and amended by the Parties as needed.

3. Costs Allocations.

- a. **Account Manager.** KD shall be responsible for the OM&R Account, which shall be subject to audit, review, and approval by AE.
- b. **OM&R Account.** Parties shall coordinate monthly on Facility accounting. An OM&R Account shall be established to cover all Facility expenses except

power, which is addressed in 3.c. (Pumping Cost). The OM&R Account shall initially be funded equally by the Parties for a total of \$100,000 (KD = \$50,000 and AE = \$50,000). The OM&R Account balance shall be replenished from time to time by the OM&R Fee described in paragraph 3.b.ii. In the event the OM&R Account falls to \$25,000, the Parties shall replenish the Account with an equal amount as mutually determined by the Parties.

- i. OM&R Costs. Any and all costs associated with the OM&R of the Facility, including but not limited to insurance, incurred by either Party shall be accounted for and reimbursed from this Account. Labor and equipment rates shall be based on a rate sheet, a sample of which is attached as Exhibit A (the "Rate Sheet"). Exhibit "A" reflects rates as of the date of this Agreement. The Rate Sheet shall be updated from time to time as necessary and appropriate to reflect adjustments in rates, subject to the agreement of the Parties.
- ii. **OM&R Fee.** An initial OM&R Fee of \$7.00 per acre-foot (as metered into the Facility) will be paid by the Party in proportion to that Party's use of the Facility. The OM&R Fee may be adjusted from time to time to a mutually agreeable amount.

iii. Insurance Premiums.

- Property Insurance: Facilities shall be included on KD insurance schedules. Any insurance costs of KD that are attributable to the addition of the Facilities to the insurance schedule shall be borne equally by the Parties and paid out of the OM&R Account.
- 2. Liability Insurance: In the event an increase to the liability insurance premiums of either Party can be directly attributed to liability claims related to the Facility, said increase in premiums shall be paid out of the OM&R Account; provided, however, that consistent with the terms and conditions of Section 6 below, to the extent liability insurance premiums on either Party's policy increase due to the actions of one Party, the Party responsible for the increase shall bear such costs.
- c. **Pumping Costs.** AE shall provide power to the Facility and existing groundwater extraction facilities from its Power and Water Resources Pooling Authority (PWRPA) membership. The Pumping Costs (power) shall be pass through costs, on a pro-rata use basis, paid by the Party using the Facility or groundwater extraction facilities. Power expenses that are not attributable to a single Party shall be shared equally (for example PWRPA standby/meter charges during idle periods). KD shall reimburse AE the prorata portion of the Pumping Costs within 45 days upon receipt of invoice

- from AE. PWRPA invoices are based on proforma rates, which are reconciled typically 6 months after the calendar year. Depending upon the findings in the PWRPA reconciliation, KD will be responsible for its pro-rata share of additional Facility (power) charges or be reimbursed its pro rata share of any Facility (power) refund.
- 4. **Transportation of Water in the Eastside Canal.** Transportation of water in the KD Eastside Canal is subject to the following priorities, as determined by KD:
 - 1st priority to KD for direct delivery of water to KD landowners or recharge basins other than the Facility
 - 2nd priority to KD and AE equally for delivering water to the Facility, subject to modification as necessary in the event of either Party's use of the other Party's Unused Capacity.
 - 3rd priority to AE to transport water for other uses
 - a. Scheduling. KD shall have the right to approve, disapprove, or modify any schedule for delivery of AE's water to the Facility from the Eastside Canal proposed by AE. AE shall provide KD at least 48 hours' notice prior to anticipated use of the Eastside Canal. AE acknowledges that use of the Eastside Canal during winter maintenance and/or shutdown periods may not be available.
 - Parties recognize that operational exchanges related to "in-lieu" recharge along the Eastside Canal provides a benefit to the general vicinity and to the extent feasible, these operational exchanges should be considered in furthering the transaction contemplated in this Agreement. Provided such operational exchanges occur, the Facility OM&R Fee shall not apply if use of the Facility is thereby avoided.
 - b. **Capacity.** The maximum capacity of the Eastside Canal between the proposed FFPP Discharge Pipeline/Eastside Canal Intertie Structure and the Facility is approximately 80 cubic feet per second (cfs). KD has the exclusive right to the maximum capacity for the 1st priority as identified above. Any capacity available after the 1st priority will be shared equally for the 2nd priority (for example, if KD determines Eastside Canal has 40 cfs capacity for the Facility, each Party will have access to 20 cfs in the Eastside Canal and Facility). Any unused 2nd priority capacity by either Party shall be made available to the other Party for delivery to the Facility prior to moving to the 3rd priority. If the Eastside Canal is not being used by KD, AE may use up to the maximum capacity for delivery of water to the Facility, direct delivery to landowners within AE east of the Eastside Canal, and/or operationally exchanged within KD west of the Eastside Canal.

- c. Operational Water Recharge. KD shall operate and manage the Eastside Canal for water deliveries to the Facility. Operational Water Recharge in the Eastside Canal will be attributed to the Party or Parties transporting water. It is understood and agreed that each Party may claim their share of the Operational Water Recharge as groundwater banking. KD shall keep accurate and complete records of each Party's Operational Water Recharge in the Eastside Canal on a monthly basis.
- d. AE's Transportation of Third Party Water. KD shall assess AE a wheeling fee related to transportation of water other than AE's water (thirdparty water) in the Eastside Canal as set forth in the KD "Rules and Regulations for the Sale and Distribution of Water", (currently \$12.50/af) as amended from time to time. AE's water transported in KD's Eastside Canal is not subject to a wheeling fee.
- 5. Term. This Agreement shall be effective immediately when signed and shall remain effective until terminated by the Parties. This Agreement may be modified upon mutually agreeable terms and conditions. A Party may terminate this Agreement upon twelve (12) months' notice to the other Party. Upon termination, the Parties shall meet and confer to determine what to do with the Facility. The exclusive options are the following: selling the Sunset property and Facility and dividing the proceeds equally between the Parties, or one Party buying out the other Party's interest in the Sunset property for 50% of the then current appraised value of the Sunset property and Facility.
- 6. Hold Harmless. Each Party shall hold the other Party harmless from any and all losses, costs, expenses (including reasonable attorneys' fees), claims, liabilities, actions or damages of any nature whatsoever, including injuries to or the death of any person or persons or damage to any property ("Claims"), to the extent the Party is responsible for such Claims in connection with the responsible Party's performance of this Agreement.
- 7. Complete Agreement/Incorporation Into Banking Agreements. This Agreement constitutes the whole and complete agreement of the Parties regarding KD's and AE's use of the Facility herein provided.
- 8. **Notice Clause.** All notices required by this agreement shall be sent via first class United States mail to the following and shall be deemed delivered three days after deposited in the mail:

Engineer-Manager Arvin-Edison Water Storage District P. O. Box 175 Arvin, CA 93203-0175 General Manager Kern Delta Water District 501 Taft Highway Bakersfield, CA 93307

Notice of changes in the representative or address of a Party shall be given in the same manner.

- 9. **California Law Clause.** All provisions of this Agreement and all rights and obligations of the parties hereto shall be interpreted and construed according to the laws of the State of California.
- 10. **Successors and Assigns.** This Agreement shall bind and inure to the benefit of the successors and assigns of the Parties.
- 11. **Severability.** The rights and privileges set forth in this Agreement are severable and the failure or invalidity of any particular provision of this Agreement shall not invalidate the other provisions of this Agreement; rather all other provisions of this Agreement shall continue and remain in full force and effect notwithstanding such partial failure or invalidity.
- 12. **Force Majeure.** All obligations of the Parties shall be suspended for so long as and to the extent the performance thereof is prevented, directly or indirectly, by pandemics, earthquakes, fires, tornadoes, facility failures, floods, drownings, strikes, other casualties, acts of God, orders of court or governmental agencies having competent jurisdiction, or other events or causes beyond the control of the parties. In no event shall any liability accrue against a party, or its officers, agents or employees, for any damage arising out of or connected with a suspension of performance pursuant to this paragraph.
- 13. Further Assurances. Each Party will, from time to time as necessary to the fulfillment of this Agreement, perform, execute, and deliver all such further acts, agreements, and assurances as may be reasonably required to effectuate the terms and conditions hereof, including, without limitation, the provisions of the first recital above regarding the Parties' intentions that this Agreement "shall not modify, alter, or affect any of the prior agreements or MOUs between the Parties."

[SIGNATURES FOLLOW ON NEXT PAGE]

IN WITNESS WHEREOF the parties have executed, 2021 at Bakersfield, California	this agreement this day of .
ARVIN-EDISON WATER STORAGE DISTRICT	
By:Board President, Edwin A. Camp	
By: Secretary of the Board, John C. Moore	
KERN DELTA WATER DISTRICT	
By:Board President, Rodney Palla	
By: Secretary of the Board, Richard Tillema	

Exhibit A **Equipment and Labor Rates**

Equipment	Rental \$/Hour
HYDRO CRANE (17 ton)	80
410E JD BACKHOE	55
EQUIPMENT TRAILER	10
10-YD DUMP TRUCK	60
GRADER / SLOPER	95
GRADALL	105
TRACK LOADER (D6)	65
TRACTOR 240 HP	95
DISC 24 FOOT	30
MOWER 26 FOOT	30
WATER TRUCK (4000 gal)	80
SERVICE TRUCK	25
SERVICE TRUCK (PUMP SHOP)	30
SPRAY RIG - (COMPUTERIZED 2 TON TRUCK)	100
PICK-UP TRUCK	15
COMPRESSOR (185)	15
WELDING RIG	15
FORKLIFT (6000 lb)	25
WHACKER PACKER	9
GENERATOR	9
3" PUMP	9
4" PUMP	9
6" PUMP	10
8" PUMP	12
PRESSURE WASHER	10
Notes: (1)Rates above include fuel	
(2)Rate for the Spray Rig does not include cost of the applied herbic	ides

Labor
All Labor will be charged at 1.5 of the employees hourly rate

Amendment to Memorandum of Understanding For

Joint Use of AE Intake Canal Between Arvin-Edison Water Storage District ("AE") And Kern Delta Water District ("KD")

WHEREAS, on December 12, 2004, KD and AE entered into a Memorandum of Understanding for the joint use of the AE Intake Canal ("MOU"); and

WHEREAS, on January 1, 2009, KD and AE executed an agreement "For Construction, Ownership, and Operation of Groundwater Recovery Wells", which was initially contemplated in the MOU provision 4 (Groundwater Wells); and

WHEREAS, on June 8, 2010, KD and AE executed a letter agreement "Intake Canal Intertie Structures", which was initially contemplated in the MOU provision 3 (Intertie Structures); and

WHEREAS, now KD and AE are collaborating on a joint project to develop recharge facilities on 149.9 acres known as the Sunset property (APNs 189-190-10, 189-200-02 and 189-200-04), which includes the ability for AE to convey water in KD's Eastside Canal; and

WHEREAS, the MOU and the Sunset Groundwater Recharge Facility provides opportunities for both KD and AE to transport Third Party Water within certain specific facilities, and both KD and AE desire reciprocal transportation terms as well as consistency with the application of the terms in the MOU and the Sunset Groundwater Recharge Facility O&M Agreement; and

NOW, THEREFORE, incorporating the foregoing recitals herein, KD and AE mutually agree as follows:

Paragraphs 2 (KD's Transportation of other supplies), subsections d (OM&R) and e (Use Fee) are hereby deleted and replaced with the following:

2. d. **KD's Transportation of Third Party Water.** AE shall assess KD a wheeling fee related to KD's transportation of Third-Party Water in the Arvin-Edison Intake Canal. The wheeling fee is equal to 30% of the fee as described and escalated in Sections 6.7.4 and 6.4 of the AE-MWD Agreement. KD's water transported in the Arvin-Edison Intake Canal is not subject to a wheeling fee.

2. e. OMITTED

Except as amended herein, all provisions of the MOU shall remain in full force and effec	t.	
IN WITNESS WHEREOF the parties have executed this agreement this	day	of

ARVIN-EDISON WATER STORAGE DISTRICT

By:	
	Engineer-Manager, Jeevan Muhar
KERN	N DELTA WATER DISTRICT
_	
By:	
	General Manager, Steven L. Teglia



Directors:

Ted R. Page Division 1

Laura Cattani Division 2

Martin Milobar Division 3

Philip Cerro Division 4

Charles (Bill) W. Wulff, Jr. Division 5

Royce Fast President Division 6

Gene A. Lundquist Vice President Division 7

Thomas D. McCarthy General Manager

Amelia T. Minaberrigarai General Counsel

Phone No. (661) 634-1400

Mailing Address 3200 Rio Mirada Drive Bakersfield, CA 93308 April 14, 2021

The Honorable Toni Atkins Senate President pro Tempore California State Senate State Capitol, Room 205 Sacramento, CA 95814

Re: Water Projects Capable of Mitigating Drought in the Southern San Joaquin Valley for Inclusion in the Senate Early Action Budget Plan

Dear Senate President pro Tempore Atkins:

The attached list of "shovel ready" water projects capable of mitigating the impacts of the 2021 drought on the southern San Joaquin Valley are submitted on behalf of the Kern County Water Agency (Agency) and the local public water agencies it serves. We respectfully request that the projects be considered for funding as part of the Senate's Early Action Budget Plan.

In developing this list, we emphasized projects that can make a difference starting on "day one." The projects range from canal and reservoir lining projects that will immediately begin conserving water to expanded groundwater storage projects that will significantly reduce drought impacts in future years.

As the State begins to respond to the 2021 drought, the Agency will continue its coordination with the California Department of Water Resources (DWR) to find adequate solutions to the day-to-day difficulties created by the critically dry conditions. The Agency is one of 29 local public agencies that provide funding for the operation and maintenance of the State Water Project. The Agency also operates groundwater banks that benefit Californians outside of Kern County and utilize the State Water Project. As DWR begins developing its response to the drought the Agency will continue to offer suggestions and provide assistance.

The Honorable Toni Atkins
Senate President pro Tempore
Water Projects Capable of Mitigating Drought in the Southern San Joaquin Valley for Inclusion in the Senate
Early Action Budget Plan
April 14, 2021
Page 2 of 2

If you or your staff have any questions about the projects described in this letter, please don't hesitate to contact Jack Gualco at (916) 441-1392, Jackson_Gualco@gualcogroup.com or Brent Walthall at (916) 952-9821, bwalthall@kcwa.com.

Sincerely,

Thomas D. McCarthy General Manager

Thom D. Mchy

Attachment

cc: Kip Lipper, Chief Energy and Environment Advisor Office of Senate President pro Tempore Toni Atkins Kern County Water Agency Member Units

Kern County Drought Mitigation Projects

April 13, 2021

Drought mitigation projects in the State Water Project service area of Kern County capable of mitigating the impacts of drought generally support the objectives of the Sustainable Groundwater Management Act or improve water-use efficiency.

<u>Pr</u>	roject Type	Page No.
1.	Projects that support sustainable groundwater management	1
2.	Water-use efficiency projects	4

Projects that Support Sustainable Groundwater Management

Buena Vista Water Storage District and Rosedale-Rio Bravo Water Storage District

- 1. Name of Project: McAllister Ranch Turnout and Conveyance Canal
- 2. Name owner: Kern County Water Agency/James Water Bank Authority
- 3. Project cost: \$6.8M
- 4. <u>Short description of the project</u>: Construction of a 500 cfs Turnout and Canal from the Kern River into the Central Pioneer and South Pioneer Project terminating at the James Water Banking Authority Project. Canal would serve to direct recharge of high flow supplies from the State Water Project, Kern River and Friant-Kern to both banking projects.
- 5. <u>Short description of how the project mitigates drought in the owner's service area:</u> Project helps to mitigate drought impacts by creating conveyance of high-flow supplies to groundwater recharge projects in wet years.

Kern Delta Water District (joint project with Arvin-Edison Water Storage District)

- 1. Name of the project: Sunset Groundwater Recharge Facility Project
- 2. Project owner: Kern Delta Water District/Arvin-Edison Water Storage District
- 3. Project cost: \$4 million
- 4. <u>Short description of the project</u>: Joint project between Kern Delta Water District and Arvin-Edison Water Storage District to construct and operate a groundwater recharge basin and associated pumping/pipeline facilities on 150 acres of land owned by both Districts. The project is located on the boundary between both Districts, adjacent to the Eastside Canal.
- 5. Short description of how the project mitigates drought in the owner's service area: The Sunset Project will provide additional groundwater recharge capabilities for both Districts, which will allow for maximization of surface water supplies leading to increased water storage; stabilization of groundwater levels between the two Districts; and will positively affect SGMA sustainability indicators (chronic lowering of groundwater levels, reduction of groundwater storage, degraded water quality, and land subsidence). This project will further increase the water management program portfolio of both Districts providing greater resiliency against drought conditions.

Semitropic Water Storage District

- 1. Name of the project: Pond Poso Spreading Grounds, Phase V and VI
- 2. Project owner: Semitropic Water Storage District
- 3. Project cost: \$5-\$8 million
- 4. <u>Short description of the project</u>: Development of 400 acres of diked ponds for surface recharge, including the construction of diked embankments, inter-basin structures and extraction wells.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: The project will increase groundwater storage.
- 1. Name of the project: **PPSG Entry Ponds**
- 2. Project owner: Semitropic Water Storage District
- 3. Project cost: \$5 million
- 4. Short description of the project: Development of 320 acres of diked ponds, with up to 10 cells and a serpentine design to allow sediment to drop off before it is diverted to the District's PPSG and Pond Poso Canal. The project includes construction of over-pour structures, diversion structures, outlet structures and a low-head pumping plant to facilitate conveyance of water for direct recharge.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: Added groundwater storage facilities wet year and wet period recharge to the groundwater basin for later use during drought.
- 1. Name of the project: Leonard System Intertie
- 2. Project owner: Semitropic Water Storage District
- 3. Project cost: \$10-\$12 million
- 4. <u>Short description of the project</u>: Construction of approximately 8-miles of pipeline, ranging in diameter form 15-inches to 27-inches, including construction of 10-12 service turnouts and two booster stations.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: Improves groundwater recharge opportunities to store water in wet years for use in dry years.
- 1. Name of the project: Schuster Subsurface Spreading
- 2. Project owner: Semitropic Water Storage District
- 3. Project cost: \$2 million
- 4. <u>Short description of the project</u>: Development of 100-acres to subsurface recharge, including a reverse-tile drain design with pipe galley system, for the recharge component, and shallow and deep extraction wells for the recovery component.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: This project increases groundwater storage and allows for accelerated withdrawal from the groundwater bank during dry years.
- 1. Name of the project: Poso Creek Managed Aquifer Recharge (MAR)
- 2. Project owner: Semitropic Water Storage District
- 3. Project cost: \$5 million
- 4. <u>Short description of the project</u>: Construction of facilities to divert floodwater/stormwater during high flow events.
- 5. <u>Short description of how the project mitigates drought in the owner's service area:</u> This project allows for diversion, capture and storage of flood flows on Poso Creek.
- 1. Name of the project: Semitropic Extraction Enhancement Project
- 2. Project owner: Semitropic Water Storage District

- 3. Project cost: \$2 million
- 4. Short description of the project: Construction of 2-4 high-production 300 HP extraction wells.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: This project creates additional withdrawal capacity from groundwater banking facilities.

Kern County Water Agency

- 1. Name of the project: California Aqueduct Pump-Back Project
- 2. Project owner: Kern County Water Agency
- 3. Project cost: \$3-5 million
- 4. <u>Short description of project</u>: The project includes installation of temporary pumps to lift water over existing check structures in the California Aqueduct to move water "upstream" to water districts that cannot otherwise access water they previously stored in underground aquifers.
- 5. Short description of how the project mitigates drought in the owner's service area: The project allows three water districts to pump water they previously stored in groundwater banks and move it "upstream" in the California Aqueduct to their service areas. The inability to access the water is caused by the extremely low State Water Project water supply allocation (5%). Installation of the temporary pumps can allow up to 46,000 acre-feet of previously stored water to be moved out of groundwater banks to farmers located "upstream" of those groundwater banks.
- 1. Name of the project: Cross Valley Canal Pool 2 Liner Raising Project
- 2. Project owner: Kern County Water Agency
- 3. Project cost: \$1.5 million
- 4. <u>Short description of the project</u>: The CVC Pool 2 Liner Raising Project will allow additional wet year water supplies to captured and delivered to the Kern Fan groundwater banking projects via the Cross Valley Canal. These additional waters will be part of the response to SGMA.
- 5. Short description of how the project mitigates drought in the owner's service area: This project will allow the Cross Valley Canal Participants and Kern County Water Agency's Member Units to capture additional water in wet years and store that additional water in groundwater banks for use in dry years.
- 1. Name of the project: Cross Valley Canal Pioneer Inlet Project
- 2. Project owner: Kern County Water Agency
- 3. Project cost: \$600,000
- 4. <u>Short description of the project</u>: The CVC Pioneer Inlet Project will allow additional Kern River water and water supplies from the Friant-Kern Canal to be captured in wet years and recharged into the Kern Fan groundwater banking projects via the Cross Valley. Recharge of this water is important to meeting SGMA goals.
- 5. Short description of how the project mitigates drought in the owner's service area: This project will allow the Cross Valley Canal Participants and Kern County Water Agency's Member Units to capture additional water in wet years and store that additional water in groundwater banks for use in dry years.
- 1. Name of the project: Cross Valley Canal Nord Road Turnout Project
- 2. Project owner: Kern County Water Agency
- 3. Project cost: \$500,000
- 4. <u>Short description of the project</u>: The CVC Nord Road Turnout Project will allow additional wet year water supplies to be captured and delivered to the Kern Fan groundwater banking projects via the Cross Valley Canal. Water from this project assists in meeting SGMA objectives.

- 5. Short description of how the project mitigates drought in the owner's service area: This project will allow the Kern County Water Agency's Member Units to capture wet year water supplies for storage in local groundwater banks for later withdraw during droughts and dry years.
- 1. Name of the project: Pioneer Project/ Kern Water Bank Basin 9 Turnout from the City of Bakersfield's 2800 Acres Water Bank
- 2. Project owner: Kern County Water Agency
- 3. Project cost: \$500,000
- 4. <u>Short description of the project</u>: The Basin 9 Turnout Project will allow additional wet year water supplies to be captured delivered to the Kern Fan groundwater banking projects via the City of Bakersfield's 2800 Acres. SGMA goals can be partially addressed by this project.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: This allows the Kern County Water Agency's Member Units to capture wet year water supplies for recovery to meet dry year needs.

Water-Use Efficiency Projects

Berrenda Mesa Water District

- 1. Name of the project: Berrenda Mesa Water District Canal
- 2. Project owner: Berrenda Mesa Water District
- 3. <u>Project cost</u>: \$500,000
- 4. <u>Short description of the project</u>: This project would repair 2 miles of open canal.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: The drought year benefit of repairing this canal is to mitigate loss of water due to seepage. Because the groundwater in this area is brackish, water lost to the groundwater basin is not recoverable.
- 1. Name of the project: Berrenda Mesa Reservoirs
- 2. Project owner: Berrenda Mesa Water District
- 3. Project cost: \$3.3 million
- 4. <u>Short description of the project</u>: Repair of reservoir lining in 6 different reservoirs for a total of 82.5 acres.
- 5. Short description of how the project mitigates drought in the owner's service area: This project will help mitigate the impacts of the drought by adding liners to these reservoirs to reduce or eliminate the loss of water due to seepage. Because the groundwater in this area is brackish, water lost to the groundwater basin is not recoverable.

Belridge Water Storage District

- 1. Name of the project: Belridge Water Storage District Canals
- 2. Project owner: Belridge Water Storage District
- 3. Project cost: \$2.4 million
- 4. Short description of the project: This project would repair 10 miles of canals.
- 5. Short description of how the project mitigates drought in the owner's service area: Repair of these canals will conserve water otherwise lost to seepage through the broken sections of canal. The water savings would be immediate and long-term. Because the groundwater in this area is brackish, water lost to the groundwater basin is not recoverable.

- 1. Name of the project: Belridge Water Storage District Reservoirs
- 2. <u>Project owner</u>: Belridge Water Storage District
- 3. Project cost: \$400,000
- 4. <u>Short description of the project</u>: This project would repair the liner in 2 different reservoirs totaling 5 acres in area.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: The benefit of repairing these reservoirs is to mitigate loss of water due to seepage. Because the groundwater in this area is brackish, water lost to the groundwater basin is not recoverable.

Cawelo Water District

- 1. Name of the project: Produced Water Collection Basin and Pipeline
- 2. Project owner: Cawelo Water District
- 3. Project cost: \$3.8 million
- 4. Short description of the project: Produced water would be collected in a lined retention basin, gravity flow through 18-inch diameter pipeline approximately 2 miles to discharge into the district distribution canal. Pipeline would transport approximately 1,000 acre feet a year of good quality water for irrigation.
- 5. Short description of how the project mitigates drought impacts: Produced water is not dependent on hydrology and it does not impact the fresh water underground aquifer. The water is a byproduct of oil production pumping from the exempt hydrocarbon bearing aquifer. This produced water is of good quality and will meet all irrigation standards for salts and nitrates. Use of high quality produced water reduces reliance on the SWP, surface waters and the groundwater aquifer and has the ability to recharge the groundwater aquifer.
- 1. Name of the project: Produced Water Treatment Facility and Pipeline
- 2. Project owner: Cawelo Water District
- 3. Project cost: \$48 million
- 4. Short description of the project: High salinity produced water will be transported by a 36" diameter, 3-mile pipeline to Cawelo's Treatment Facility where it will treat 10,000 acre feet per year of high salinity produced water by reducing the salt and Boron levels at or below irrigation standards (higher quality). The treated water would be used for irrigation year-round. At times when irrigation demand is low, the treated water would be recharged in the groundwater aquifer and benefit groundwater levels.
- 5. Short description of how the project mitigates drought in the owner's service area: The Treatment Facility will operate year-round treating the high salinity produced water to provide good quality, low salt and boron water that is at or below irrigation quality (higher quality). Produced water is not dependent on hydrology and it does not impact the fresh water underground aquifer. The water is a byproduct of oil production pumping from the exempt hydrocarbon bearing aquifer. Treated produced water will be of good quality and meet all irrigation standards for salts and nitrates. Use of the treated produced water will reduce reliance on the SWP, surface waters and the groundwater aquifer and has the ability to recharge the groundwater aquifer.

Lost Hills Water District

- 1. Name of the project: Lost Hills Canal Repair
- 2. Project owner: Lost Hills Water District
- 3. Project cost: \$1.75 million
- 4. Short description of the project: Repair 7.25 miles of cracked and damaged canal liners.

- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: The drought mitigation benefit of repairing these canals is to mitigate seepage of water in the canals. Because the groundwater in this area is brackish, water lost to the groundwater basin is not recoverable.
- 1. Name of the project: Lost Hills Reservoirs
- 2. <u>Project owner</u>: Lost Hills Water District
- 3. Project cost: \$1.3 million
- 4. <u>Short description of the project</u>: Install liners for three surface reservoirs with a total area of approximately 28 acres.
- 5. Short description of how the project mitigates drought in the owner's service area: The drought mitigation benefit of lining and repairing these reservoirs is to reduce or eliminate the loss of water due to seepage. Because the groundwater in this area is brackish, water lost to the groundwater basin is not recoverable.

Semitropic Water Storage District

- 1. Name of the project: **PPSG Lining of Earthen Canal**
- 2. <u>Project owner:</u> Semitropic Water Storage District
- 3. Project cost: \$5 million
- 4. Short description of the project: Lining of approximately 10 miles of canal, with concrete liner.
- 5. <u>Short description of how the project mitigates drought in the owner's service area</u>: This project reduces the loss of water during conveyance of water supplies.

West Kern Water District

- 1. Name of the project: Advanced Metering Infrastructure Project
- 2. <u>Project owner</u>: West Kern Water District
- 3. Project cost: \$2.5 million
- 4. Short description of the project: The West Kern Water District (WKWD) AMI Residential and Commercial Metering Project (Project) proposes to replace existing aging manual-read water meters with automated water meters on residential and commercial services. This project will replace all the non- AMI meters, including those in disadvantaged communities, within WKWD's service area. The proposed meter infrastructure will include automatic meter reading technology and utilize Automatic Meter Infrastructure (AMI) to improve water management by the operator, locate and quantify customer system leaks, and improve customer water use and billing. The purpose of the project is to conserve and use water more efficiently, increase energy efficiency, and address environmental related impacts.
- 5. Short description of how the project mitigates drought in the owner's service area: A key part of the AMI Project is the implementation of technology that provides customers with secure access to their real-time and historical water consumption data, including access to conservation tools and programs and leak notification. The WKWD Project will conserve and use water more efficiently and reduce reliance on Delta exports. In addition, WKWD will use AMI information to identify customers with high water usage or other atypical usage patterns to reduce leaks and address over-irrigation. During a water shortage emergency, WKWD would also monitor mandatory water reduction requests through the system.

Kern County Water Agency

- 1. Name of the project: Cross Valley Canal Liner Project Pool No. 8
- 2. Project owner: Kern County Water Agency

- 3. Project cost: \$5 million
- 4. <u>Short description of the project</u>: Project consists of lining approximately 1 mile of earthen canal with fiber-reinforced concrete and will assist in meeting SGMA goals. The Project is owned by the Kern County Water Agency and is paid for by customers of Improvement District No. 4 (ID4).
- 5. Short description of how the project mitigates drought in the owner's service area: Expected benefits include water savings of 2,100 acre-feet annually, improved reliability of water deliveries though Pool No. 8, reduced energy usage and enhanced wildlife habitat through increased water diversions into the Kern River channel and/or Kern Fan groundwater banking projects. The Project beneficiaries include ID4 (urban Bakersfield) and Cawelo Water District.



Consulting Ungineers and Scientists April 6, 2021

Attention: Sheridan Nicholas Wheeler Ridge-Maricopa Water Storage District 12109 Highway 166 Bakersfield, CA 93313

Dear Mr. Nicholas:

Re: WRMWSD 8G - KDWD Rim Ditch Intertie Conceptual Design Wheeler Ridge-Maricopa Water Storage District (WRMWSD)

Thank you again for you, your staff, and Kern Delta Water Storage District (KDWD) staff meeting with us on March 11, 2021 to discuss the proposed bi-directional intertie between WRMWSD's 8G System and KDWD's Rim Ditch. As requested, we have prepared this proposal for conceptual design services of the proposed intertie for WRMWSD and KDWD (Districts). It will include a concept level assessment, pump station/piping sizing, alignment, and cost estimate of the proposed intertie pump station and pipeline.

SCOPE OF SERVICES

Task 1 - Project Management

After receiving a notice to proceed, a kickoff meeting will be conducted with the Districts' appropriate staff and GEI's project team leads to focus on the Districts' expectations for the 8G-Rim Ditch Intertie. In addition, the kickoff meeting will serve to communicate and clarify the scope of the work, any additional information needed, and review of the project schedule.

An operations meeting will be conducted with appropriate staff from the Districts to discuss how the proposed intertie will be operated. The operations meeting will include a review of existing system capacities to ensure that the proposed intertie will not exceed any of the existing system flow or pressure capacities.

Project management and monitoring of the project status, budget, schedule, reviewing invoices, and Districts' meetings and communications are included under this task.

Deliverables of Task 1

Meeting minutes from kickoff meeting.

Task 2 - Investigations

Under this task GEI staff will review available information including related engineering documents, as-builts, and available photographs of WRMWSD's 8G system and KDWD's Rim Ditch needed to determine the feasibility of the intertie. It is assumed under this proposal that GEI will not be required to perform a site visit and that sufficient information will be provided by the Districts.

Deliverables of Task 2

None

Task 3 - Evaluation of System

Subtask 3.1 – Conceptual Design of Pump Station

Due to the elevation differences, a pump station at the Rim Ditch will be required to pump water up to the WRM-8 pump bay. Based on our discussions a pump station will not be required to deliver water from the WRM-8 pump bay to the Rim Ditch. GEI will perform conceptual design services for the proposed pump station. This will include determination of the number of pumps, the required flow rate and total dynamic head of each pump, and conceptual pump selection using Flowserve's Affinity software. It will not include determination if a stand-tank or air chamber is required, or any surge analysis. GEI will coordinate with PG&E to obtain their input on scope of work required to bring service to the proposed pump station. GEI has included provisions for an electrical engineering sub-consultant to provide additional expertise if required.

Subtask 3.2 - Conceptual Design of Pipeline

Under this task GEI staff will perform conceptual design services for the proposed pipeline. This will include review of the proposed alignment, contacting typical public utility agencies to determine if there are any potential public utility conflicts, and selection of pipe materials.

Subtask 3.3 – Technical Memorandum (TM)

A technical memorandum will be prepared to provide recommendations for the conceptual design of the proposed inter-tie system including pump station and pipeline. An AACE Class 5 Cost Estimate will be developed as a part of this TM. A draft TM will be submitted to the Districts for review and comments. One round of comments was assumed under this task. Following review and comments by the Districts, any necessary changes will be incorporated, and the TM will be finalized.

Deliverables for Task 3

Technical memorandum will be provided in PDF format, with supporting documentation included as appendices. The following conceptual design figures will be provided:

- Pump Station General Layout and Sections
- Preliminary Alignment Drawings (Plan View Only)

ASSUMPTIONS

The following is a list of assumptions made while developing the proposal and cost estimate. Additional assumptions can be found under each task and subtask:

- 1. Pump station will be vertical turbine pumps in a concrete structure directly off the Rim Ditch.
- 2. The proposed pump station should be sized with enough total dynamic head to deliver the maximum flow rate to WRMWSD's WRM-8 pump bay.
- 3. Pipeline material will be C900 PVC and will be sized for a maximum water velocity of 5 feet per second.
- 4. A topographic and/or boundary survey will not be required. Ground elevation data will be based off the best available public information, (i.e. GIS or google earth).
- 5. Geotechnical investigations will not be performed or required during this study.
- 6. This conceptual design will not include any right-of-way delineation, acquisition related work or research. It is understood that pipeline will be constructed in private lands and easements will need to be obtained by the Districts later.
- 7. GEI will coordinate with typical public utility companies to determine if crossings are required and will request specific design requirements for crossings (i.e. vertical and horizontal separation) if available. GEI will not be responsible for coordination of a utility crossing agreement between the Districts and the respective public utility companies. Investigation of privately owned utilities are not part of this study.
- 8. GEI will not be required to perform any water quality analysis or determine if water from the Rim-Ditch can be pumped into the CA Aqueduct.
- 9. GEI will not be required to perform any hydraulic modeling or surge analysis of the new pipeline, pump station, rim ditch, or 8G system under this study.
- 10. No environmental assessment or evaluation will be done under this work.

BUDGET

Based on the scope of work provided above, GEI anticipates a project budget of \$52,155 to complete the work. This amount will not be exceeded unless approved by WRMWSD in writing. A breakdown of the estimated costs by task are in the attached spreadsheet.

SCHEDULE

Assuming a Notice to Proceed by 4/23/2021, the general schedule of the work is as follows:

Kick Off Meeting	5/10/2021	
Draft Memorandum	6/25/2021	
Final Technical Memorandum	7/23/2021	(2-weeks for review)

Given the difficulties created by the ongoing COVID-19 crisis, the performance of the services included in this proposal as well as the satisfaction of the schedule described herein, are contingent and conditioned upon GEI having the ability to deploy the required resources as well as having access to the required site and data/documents to complete the services. These resources include, but are not limited to, GEI staff, any subcontractors, vendors, and material providers. GEI will provide prompt notice to WRMWSD if we become aware that services will be interrupted or delayed.

We look forward to your positive response on this proposal. Should you have any questions or need additional information please contact Rich Sanchez at rsanchez@geiconsultants.com/805-279-6492.

Sincerely,

GEI CONSULTANTS, INC.

Rich Sanchez, P.E.

Vice President

Joe Roberts, P.E.

Project Manager/Engineer

Attachments:

Budget breakdown

Approved by:

Sheridan Nicholas, P.E. Engineer-Manager



ATTACHMENT A

Wheeler Ridge-Maricopa Water Storage District 8G-Rim Ditch Intertie Conceptual Design Fee Estimate

Tasks/Subtasks		GEI Labor															S				
	r. Consultant - G10	Sr. Consultant - G9	r. Consultant - G8	r. Professional - G7	r. Professional - G6	r. Professional - CS	roject Professional - G4	roject Professional - G3	Staff Professional - G2	taff Professional - G1	r. CADD Drafter and Designer	ADD Drafter/Designer&Senior Tech.	eld Professional	echnician, Word Processor, Admin. Staff	fice Aide	otal Hrs	rotal Cost	ectron Engreeering Subsonsultant	ervice Charge Mark-up	Sublotal Cost	TOTAL COST
Billing Rate	\$375		\$307	\$274	\$231	\$203	\$177	\$153	\$140	\$127	\$153	\$140	\$115	\$114	\$89	-	-	-	15%	00	-
Task 1 - Project Management														-					-		
1.1 Kick Off Meeting	<	×	2		2	10	4.	-	-	14			- 2	4	-	12	\$2,220	50	\$0	50	\$2,220
1.2 Operations Meeting		-	2	-	2	-	4	-		-	-	-	3-	4	1 -	12	\$2,220	.50	\$0	\$0	\$2,220
1.3 Coordination, Budget, Schedule and Scope Management			4				12	-						4		20	\$3,748	\$0	\$0	\$0	\$3,748
Subtotal	0	0	8	0	4	0	20	0	0	0	0	0	0	12	0	44	\$8,188	\$0	\$0	\$0	\$8,188
Task 2 - Investigations																					
2.1 Data Review		-	2		8	10	12	-9-	8	-		-	-		~	30	\$5,646	\$1,500	\$225	\$1,725	\$7,371
Subtotal	0	0	2	0	В	0	12	0	8	0	0	0	0	0	0	30	\$5,646	\$1,500	\$225	\$1,725	\$7,371
Task 3 - Evaluate Emergency Repair Alternatives																					
3 1 Conceptual Design of Pump Station		-	3	700	- 8	-	16	14	12	-	8	-	-	-		47	\$8,425	\$2,500	\$375	\$2,875	\$11,300
3.2 Conceptual Design of Pipeline			3		8		16		16	-	12	-		-	-	55	\$9,597	50	\$0	\$0	\$9,597
3.3 Technical Memorandum		-	4	4	8	-17	24	+	48	8	-			8	~	92	\$14,836	5750	\$113	\$863	\$15,699
Subtotal	0	0	10	0	24	0	56	0	76	0	20	0	0	8	0	194	\$32,858	\$3,250	\$488	\$3,738	\$36,596
TASK TOTALS	0	0	20	0	36	0	88	0	84	0	20	0	0	20	0	268	\$46,692	\$4,750	\$713	\$5,463	\$52,155

Notes:

1 GEI Labor 2021 Standard Rates shows

2 Labor hour distribution by Grade Level is for budgeting purposes only. The actual Grade Level distribution will be tinsed on efficiently performing the work/lask.



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: April 20, 2021

Re: Agenda Item VI C – External Agency Report

RECOMMENDATION:

Receive report, informational item only.

DISCUSSION:

Staff participates in / monitors multiple external agency meetings monthly. Below is a summary including items of note from the various meetings:

Kern County Water Agency:

- The KCWA Board met March 25, 2021.
- Next meeting will be April 22, 2021.
- SWP allocation decreased from 10% to 5%.
- Kern Delta TRF's approved.
- Summary of groundwater and overdraft correction accounts (attached).
- Delta Conveyance project timeline (attached).

Kern Fan Authority:

• The KFA met March 25, 2021.

Kern River Groundwater Sustainability Agency (KRGSA):

- The KRGSA met April 1, 2021 (agenda attached).
- Presentation on Kern Subbasin 2020 Annual Report.

Kern Groundwater Authority (KGA):

• The KGA met March 24, 2021.

Kern River Watershed Coalition Authority (KRWCA)(ILRP):

• The KRWCA met April 1, 2021 (agenda attached).

South Valley Water Resources Authority:

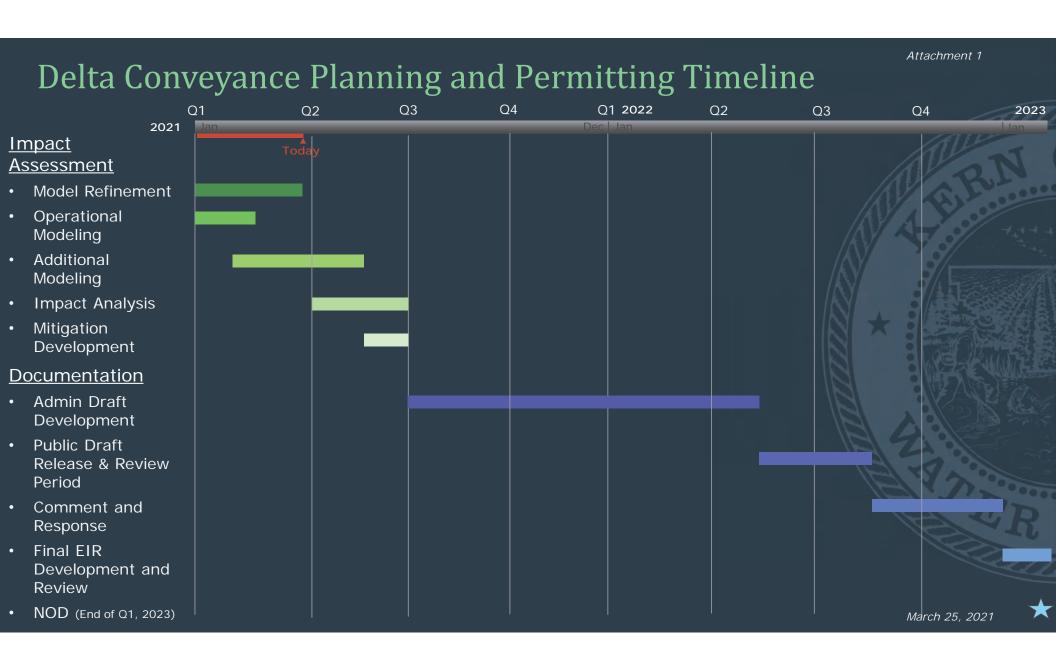
- The SVWRA March 18, 2021.
- Pilot project continued discussion.

Integrated Regional Water Management Plan:

• No Report.

Water Association of Kern County (WAKC):

- The WAKC met March 23, 2021.
- Virtual 2021 Water Summit May 25, 2021 (8AM 1PM).
- Discussed potential programs for bi-monthly virtual presentations.



Kern County Water Agency Estimated Summary of Groundwater Bank Accounts As of January 31, 2021

Preliminary - Subject to Revision

Quantities in acre-feet

	Estimated Balance a
District	December 31, 202
Belridge WSD	9
Berrenda Mesa WD	11
Buena Vista WSD	3
Cawelo WD	
Dudley Ridge WD	5
Henry Miller WD	
Improvement District No. 4	24
Kern County Water Agency	19
Kern Delta WD	2
Lost Hills WD	10
Rosedale-Rio Bravo WSD	4
Semitropic WSD	24
Tehachapi-Cummings CWD	
Tejon-Castac WD	6
Westside Mutual Water Co.	42
Wheeler Ridge-Maricopa WSD	21
Total	1,87

Estimated Balance as of
December 31, 2020
94,409
113,460
37,934
0
58,097
5,365
243,810
196,607
23,285
100,054
41,232
249,001
5,820
61,108
427,288
215,675
1,873,145

Estimated Balance as of January 31, 2021					
		Pioneer Project			
Pioneer Property	2800 Acres	Subtotal	Berrenda Mesa	Kern Water Bank	Total
72,165	11,254	83,419	9,252	0	92,671
69,586	8,195	77,781	33,424	0	111,205
31,295	1,939	33,234	0	4,700	37,934
0	0	0	0	0	0
0	0	0	0	57,252	57,252
5,365	0	5,365	0	0	5,365
45,160	24,155	69,315	0	174,495	243,810
112,384	62,766	175,150	3,499	17,958	196,607
23,285	0	23,285	0	0	23,285
60,132	27,470	87,602	10,971	0	98,573
41,232	0	41,232	0	0	41,232
34,099	42	34,141	0	214,860	249,001
0	0	0	0	5,820	5,820
2,193	1,247	3,440	0	56,383	59,823
0	0	0	0	427,288	427,288
19,271	18,993	38,264	11,327	166,084	215,675
516,167	156,061	672,228	68,473	1,124,840	1,865,541

Kern County Water Agency Estimated Summary of Overdraft Correction Accounts As of January 31, 2021

Preliminary - Subject to Revision

Quantities in acre-feet

District
Buena Vista WSD
Henry Miller WD
Kern County Water Agency
Kern Delta WD
Rosedale-Rio Bravo WSD
Total

Estimated Balance as of
December 31, 2020
46,115
65,077
55,030
79,947
214,697
460,866

	E	stimated Balance	as of January 31, 2	021	
		Pioneer Project			
Pioneer Property	2800 Acres	Subtotal	Berrenda Mesa	Kern Water Bank ^[1]	Total
39,246	0	39,246	0	6,869	46,115
42,526	375	42,901	2,584	19,592	65,077
35,356	7,121	42,477	0	12,553	55,030
57,032	409	57,441	1,508	20,998	79,947
158,627	4,190	162,817	2,725	49,155	214,697
332,787	12,095	344,882	6,817	109,167	460,866

^[1] Does not include purchase of 2011 4% reserve water.







Board Members: Rodney Palla, Chair Gene Lundquist Bruce Freeman

KERN RIVER GSA

REGULAR MEETING (See attached notice)

Thursday, April 1, 2021 10:00 a.m.

THERE IS NO PHYSICAL LOCATION FOR THIS MEETING

Please join my meeting from your computer, tablet or smartphone.

https://global.gotomeeting.com/join/196822965

You can also dial in using your phone.

United States: +1 (786) 535-3211

Access Code: 196-822-965

AGENDA

- 1. CALL TO ORDER
- 2. ROLL CALL
- 3. PUBLIC STATEMENTS
- 4. **APPROVAL OF MINUTES** of the February 4, 2021, Regular Meeting
- 5. NEW BUSINESS
 - A. Correspondence received (City Clerk)
 - B. Finance Update (Randy McKeegan)
 - i. Receive and File Financial Report
 - ii. Distribute Prop. 1 Grant Funds Invoices #4 and #5
 - C. Management Group Updates (Chianello, Teglia)
 - i. Kern Subbasin Annual Report Update (Phyllis Stanin/Todd Groundwater)
 - Update on State Water Resources Control Board Climate Change Report –
 Basin Comment Letter
- COMMITTEE COMMENTS
- ADJOURNMENT







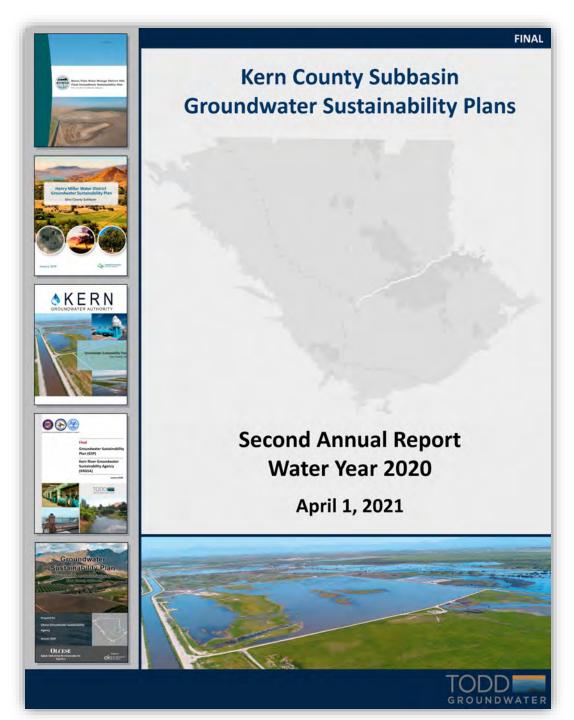
Kern River Groundwater

Sustainability Agency (KRGSA)

2ND GSP ANNUAL REPORT KERN COUNTY SUBBASIN

KRGSA BOARD MEETING APRIL 1, 2021

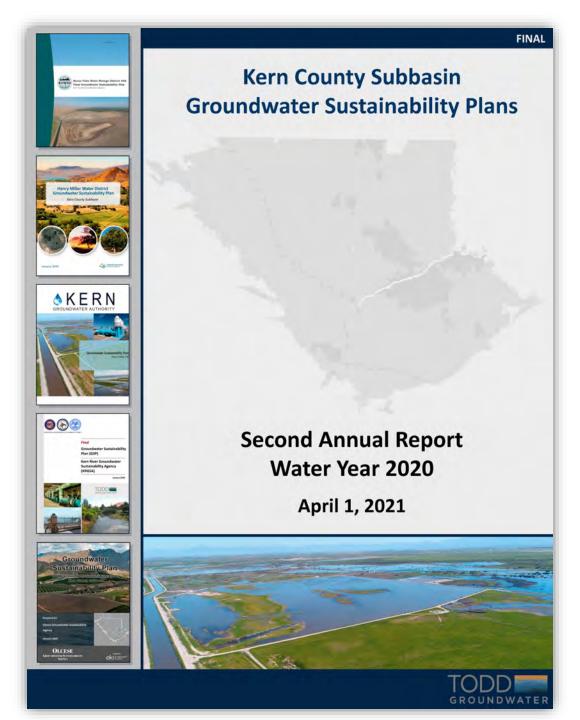




2nd GSP ANNUAL REPORT

- Being submitted to DWR TODAY!
- Covers Water Year 2020
 - Oct 1, 2019 Sep 30, 2020
- First year of GSP Implementation

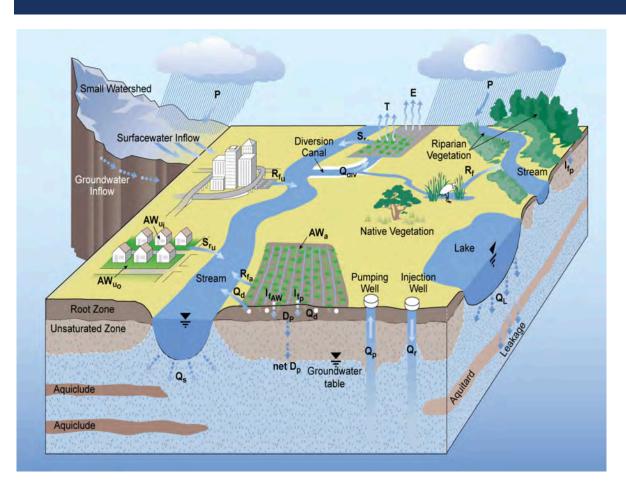




REQUIRED ELEMENTS

- Groundwater elevations historical through WY 2020 (26-year period)
- Groundwater extractions WY 2020 (agency data and model METRIC update)
- Surface water supply and total water use
 WY 2020 (agency data and model update)
- Change in groundwater in storage historical through WY 2020 (model)
- Progress reports for GSP implementation by each agency (19)

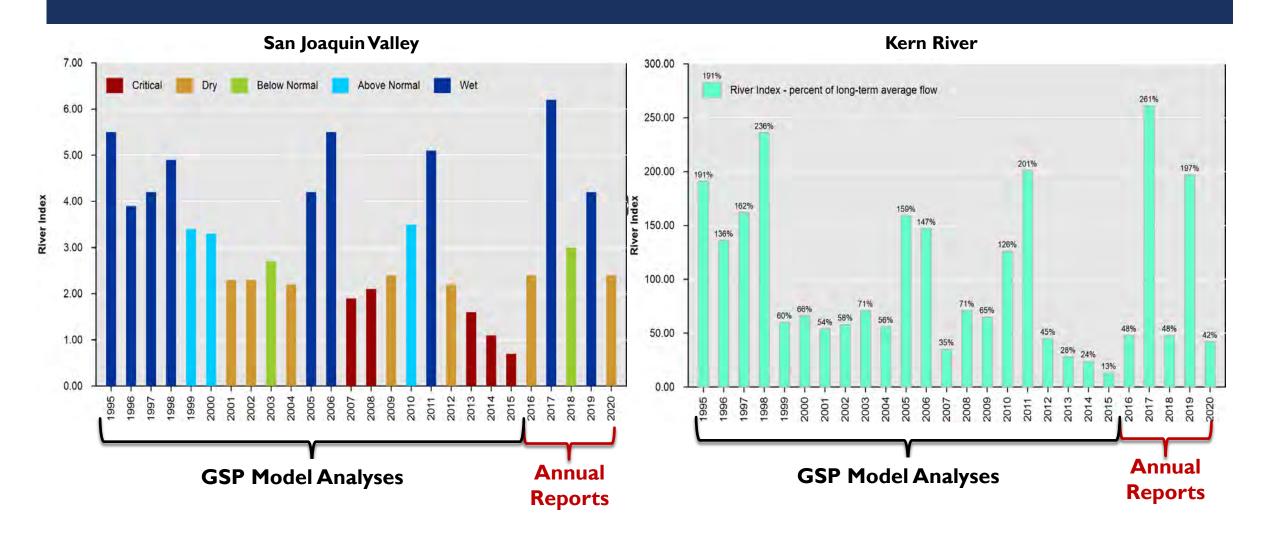
WY 2020 UPDATE of C2VSimFG-KERN MODEL



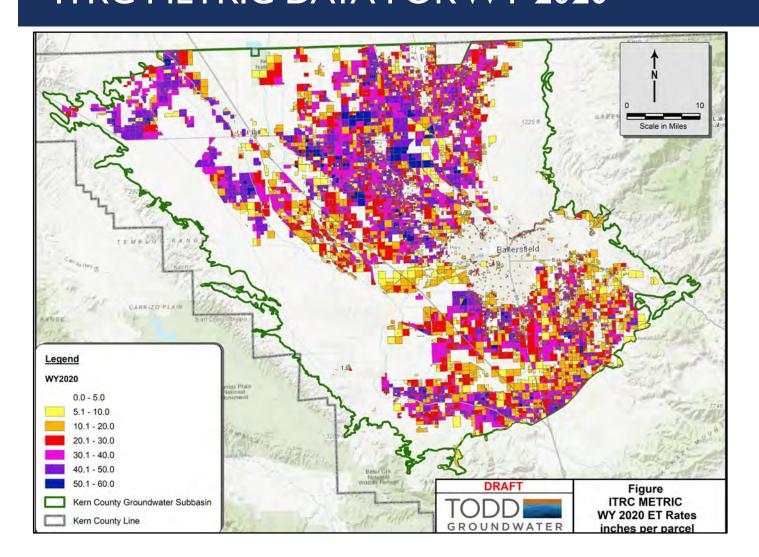
- Input Data from 39 Agencies
 - Surface water deliveries
 - Managed recharge and banking
 - Bank recovery pumping
 - Urban water supplies and use
 - Local water sources and use
- Other Data Sets
 - ITRC METRIC ET data
 - PRISM precipitation data
 - Kern River Hydrographic Reports (and data)



HYDROLOGIC INDICES



EVAPOTRANSPIRATION (ET) DATA FROM LANDSAT IMAGERY ITRC METRIC DATA FOR WY 2020

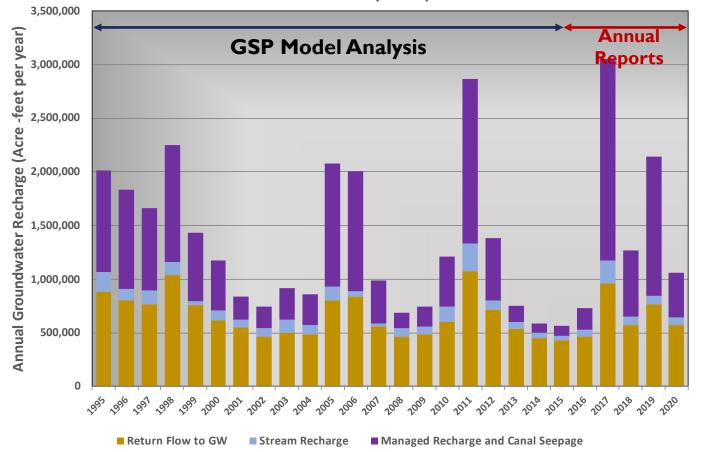


- Methodology
 - Mapped ET to DWR land use categories
 - Correlate ET to land use at pixel level
 - Monthly Average ET per crop type or land use
- Calculated ET rates
 - Irrigated Agriculture
 - Urban Areas
 - Native and Refuge Areas



WY 2020 MODEL RESULTS GROUNDWATER RECHARGE and SURFACE WATER SUPPLIES

Kern County Subbasin Groundwater Recharge for WYs 1995-2020 2020 Annual Report Update

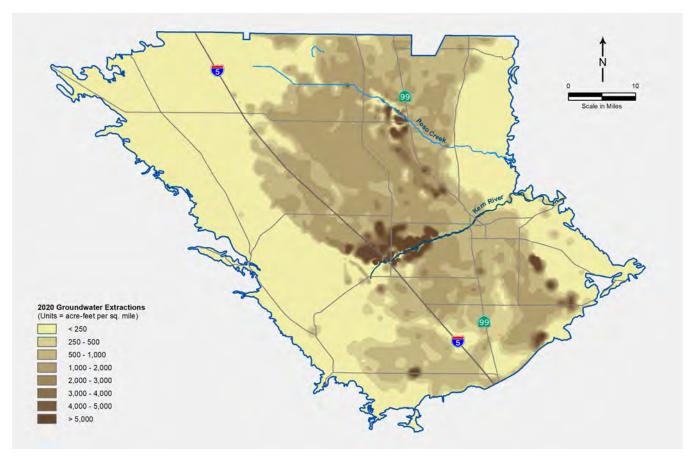


- I,405,576 AFY Total Surface Water Supply
 - 861,453 AFY Imported (61%)
 - 428,452 Local Surface Water (31%)
 - 115,582 Other Local Sources (8%)

Surface Water Supply Source	Volume, AF
Central Valley Project	256,447
State Water Project	605,005
Colorado River Project	0
Local Supplies	428,542
Local Imported Supplies	56,805
Recycled Water	58,710
Desalination	0
Other Water Source	67
Total Surface Water Supply	1,405,576



WY 2020 MODEL RESULTS MAP of GROUNDWATER EXTRACTIONS



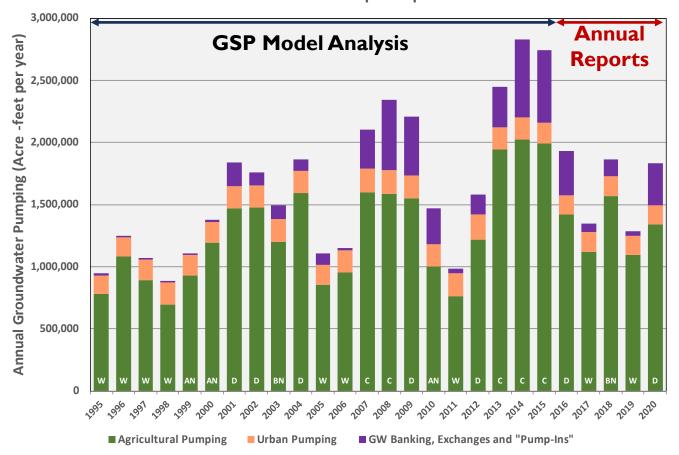
- I,835,054 AFY Total Subbasin Pumping
 - 152,291 AFY urban (8%)
 - 1,342,590 agricultural (73%)
 - 340,174 bank recovery, other (19%)

Groundwater Extraction	Total Groundwater Extractions	Meters Volume	Land Use Volume
Water Use Type	Acre-ft	Acre-ft	Acre-ft
Urban	152,291	139,080	13,210
Industrial	0	0	0
Agricultural	1,342,590	195,352	1,147,238
Managed Wetlands	0	0	0
Managed Recharge	259,658	259,658	0
Native Vegetation	0	0	0
Other	80,515	8,233	72,282
Total	1,835,054	602,324	1,232,731



WY 2020 MODEL RESULTS GROUNDWATER EXTRACTIONS

Kern County Subbasin Groundwater Extractions for WYs 1995-2020 2020 Annual Report Update



- Pumping conditions similar to WY 2016
- Urban pumping relatively consistent over time
- Additional recovery pumping from banking projects during dry years
- Agricultural pumping increased about 20% from WY 2019 in response to dry conditions

WY 2020 MODEL RESULTS TOTAL WATER SUPPLY AND USE

Total Water Supply: 3,240,630 AF

Groundwater: 56%

Surface Water (local + imported): 42%

Recycled/other water: 2%

Water Supply Source	Total Volume, Acre-ft
Groundwater	1,835,054
Surface Water	1,346,799
Recycled Water	58,710
Reused Water	67
Total Water Supply	3,240,630

Total Water Use: 3,075,992 AF

Urban: 6%

Agriculture: 73%

Managed Recharge: 10%

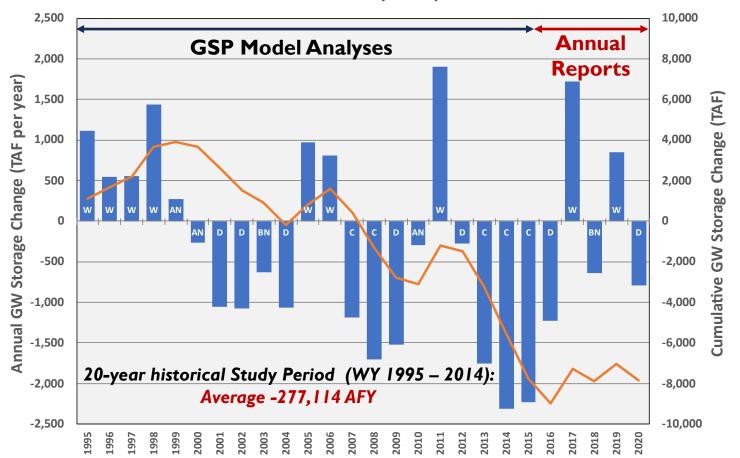
Other/Banking Recovery: 12%

Total Water Use Sector	Total Volume, Acre-ft
Urban	176,016
Agricultural	2,232,497
Managed Wetland	22,582
Managed Recharge	304,723
Other Water Source Type	340,174
Total Water Use	3,075,992



WY 2020 MODEL RESULTS CHANGE in GROUNDWATER in STORAGE

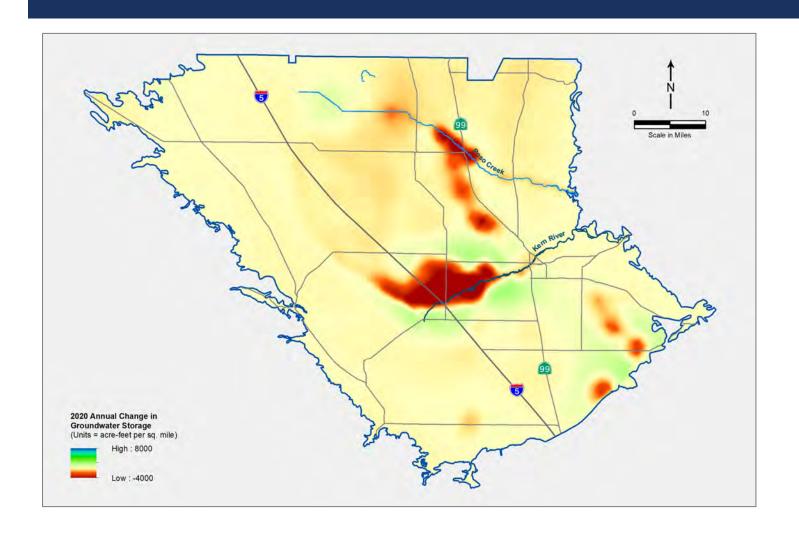
2020 Annual Report Update



- WY2020 GW in Storage Change
 - -788,078 Annual Change
- Post-GSP GW in Storage Change
 - WY 2016 WY 2020:
 - -78,650 AFY
 - WY 2016 WY 2020:
 - -15,730 AFY

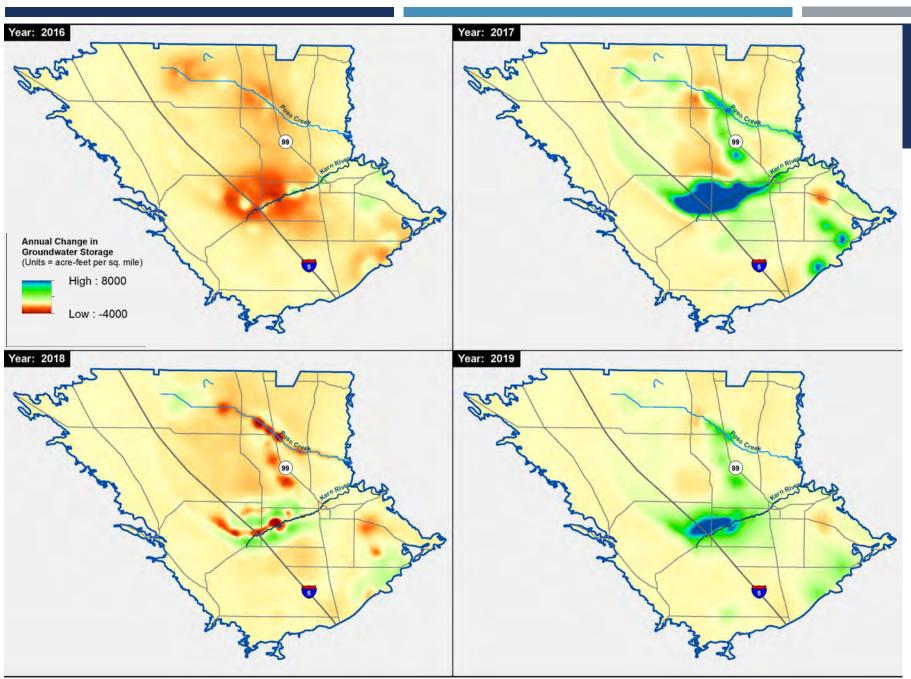


WY 2020 MODEL RESULTS CHANGE in GROUNDWATER in STORAGE



- Widespread low-level declines basinwide
- Higher declines at large banking recovery operations
- Minor increases are residual mound from previous recharge operations



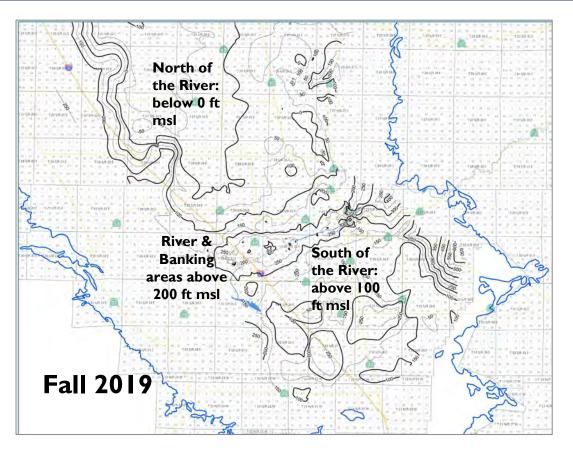


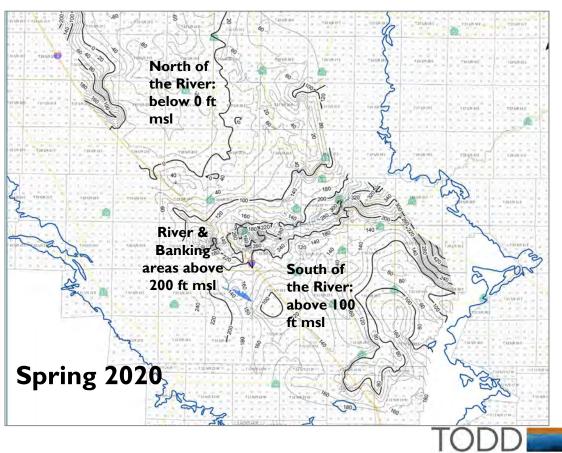
PREVIOUS MAPS CHANGE in GW in STORAGE

- Subbasin-wide analysis
- Demonstrates the large influence of banking projects on Subbasin water budgets
- Includes some water identified for export

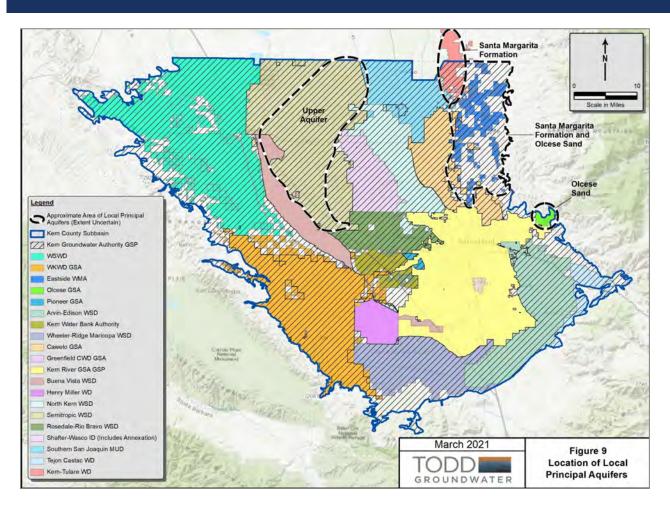


WY 2020 WATER LEVEL CONTOUR MAPS PRIMARY PRINCIPAL AQUIFER – KCWA



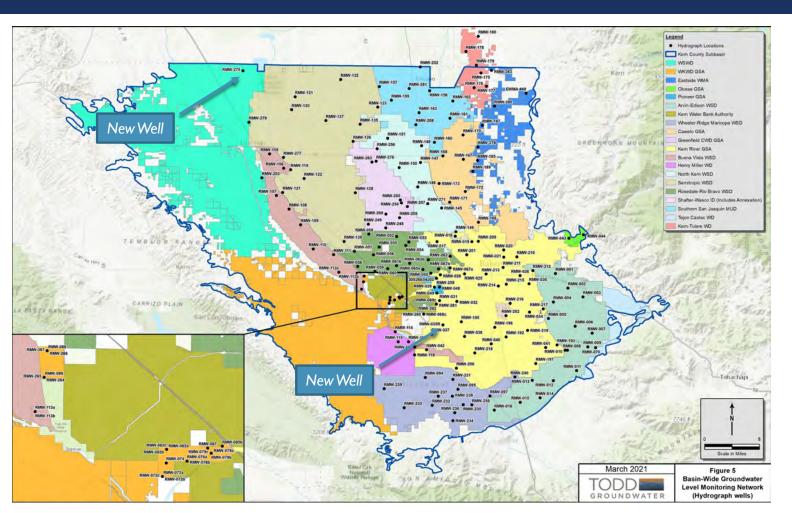


THREE ADDITIONAL LOCAL PRINCIPAL AQUIFERS



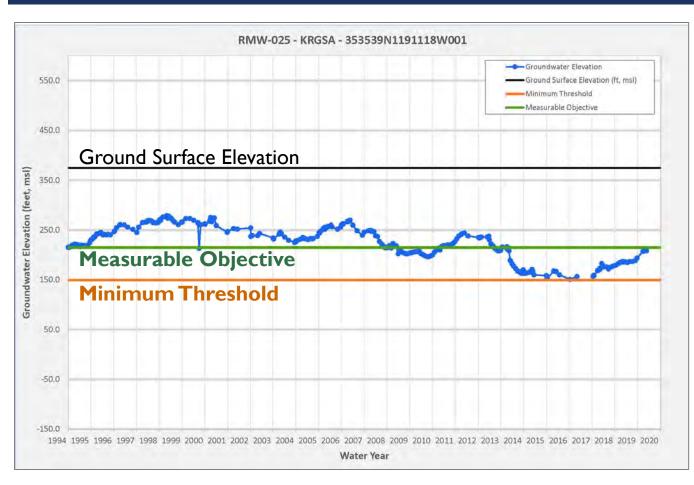
- Three Local Principal Aquifers
 - Upper Aquifer (SWSD)
 - Santa Margarita (KTWD)
 - Santa Margarita & Olcese Sand (EWMA)
 - Olcese Sand (Olcese GSA)
- Contour maps for Olcese Sand by Olcese GSA
- Insufficient data for additional Local Principal Aquifer contour maps
- Remains a requirement for future reports

SUBBASIN GSP MONITORING NETWORK



- More than 200 wells in the Subbasin GSP Monitoring Network
- 2 new wells added in this report (I KRGSA); 4 wells removed (2 KRGSA)
- Hydrographs for network wells with Minimum
 Thresholds (MTs) and Measurable Objectives
 (MOs) in Appendix POWATER

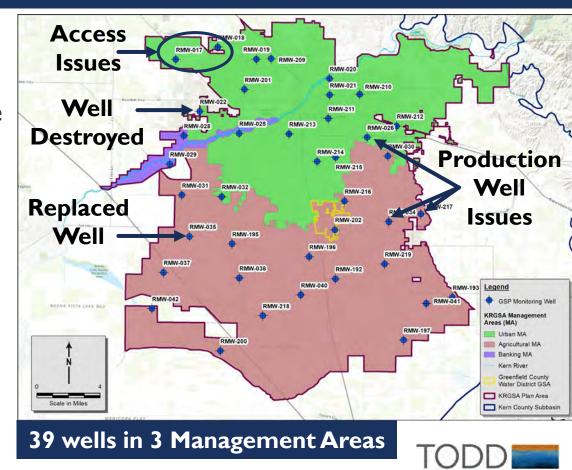
HYDROGRAPHS - APPENDIX A



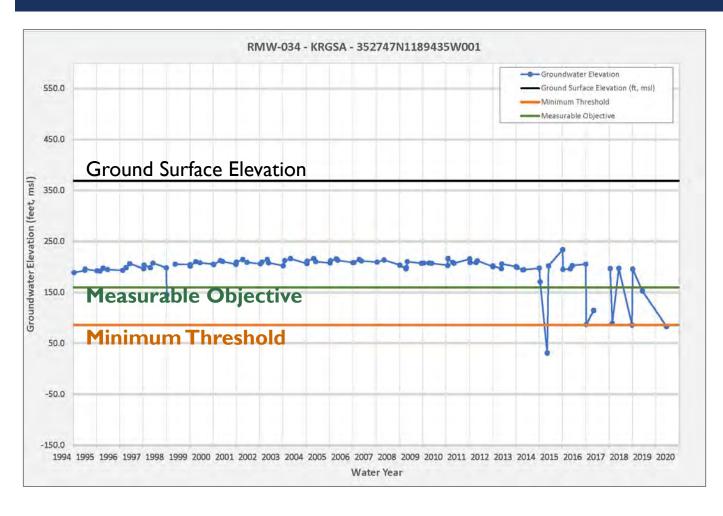
- Generated 204 hydrographs for GSP Network Wells
- Historical data to the extent available
 - WY 1995 WY 2020
 - Historical Study Period updated through current reporting period (WY 2020)
- Consistent scales and formatting, to the extent practicable
- Demonstrate compliance with MTs and MOs

KRGSA WATER LEVEL MONITORING PROGRAM

- Original KRGSA GSP Monitoring Program
- Report semi-annual water level data to the DWR online SGMA portal (coordinated by the Subbasin Plan Manager)
- Lost access to 4 wells
 - City is contacting well owners and researching replacement wells in northwest
 - I well destroyed
 - KDWD added a replacement well
- Problems with several active production wells
 - Prevents measurement if pump is running
 - Results in water level declines below Minimum Thresholds, if measured



KRGSA HYDROGRAPHS



- Some MT Exceedances in western KRGSA
- Some issues with pumping wells
- Not currently "undesirable results", but requires investigation



PROGRESS ON GSP IMPLEMENTATION SUBBASIN COORDINATED ACTIVITIES

- Summarize Subbasin-wide activities coordinated by the Basin Coordination Committee (BCC) and in the Subbasin Coordination Agreement
- Initiation of regional subsidence investigations
- Selection of GEI Consultants to develop the Subbasin-wide Data Management System (DMS) (DWR Prop 68 grant)
- Development of approach and scope for C2VSimFG-Kern model revisions and Subbasin-wide Native Yield Study
- Ongoing consideration of installation and monitoring of Subbasin-wide ET stations, funded by Prop I grant
- KRGSA supporting/participating in all Subbasin activities

Kern County Subbasin Coordination Agreement

THIS COORDINATION AGREEMENT (the "Agreement") is made effective as of JAKINARY 30, 3030 by and among the Groundwater Sustainability Agencies ("GSA") within the Kern County Subbasin that are developing a Groundwater Sustainability Plan ("GSP") (each a "Party" and collectively the "Parties"), each of which is identified in Appendix 1 and is made with reference to the

WHEREAS, on September 16, 2014, Governor Jerry Brown signed into law Senate Bills 1168 and 1319 and Assembly Bill 1739, known collectively as the Sustainable Groundwater Management Act

WHEREAS, SGMA requires all groundwater basins designated as high or medium priority by the Department of Water Resources ("DWR") to manage groundwater in a sustainable manner; and

WHEREAS, the Kern County Subbasin (Basin Number 5-22. 14, DWR Bulletin 118) {"Basin"} within the San Joaquin Valley Groundwater Basin, has been designated as a high-priority basin by DWR;

WHEREAS, the Basin includes eleven (11) GSAs that are managing the Basin through five (5)

WHEREAS, SGMA allows local agencies to engage in the sustainable management of groundwater, but requires GSAs intending to develop and implement multiple GSPs within a basin to

WHEREAS, the Agreement does not prevent any Party from providing comments on a GSP, or otherwise coordinating among parties with regard to specific items in a GSP outside this Agreement, on issues including but not limited to specific border conditions between GSP's and/or the timing and/or effect of projects and management actions contained within another GSP; and

WHEREAS, nothing in this Agreement represents or should be construed as the determination of any claim or assertion of a groundwater right; specifically, the coordinated water budget information or any cannor asseruon or a groundwater figure, specificany, the communication water unaged nitrollination of data does not amount to an allocation, or otherwise represent a determination, validation, or denial of

THEREFORE, in consideration of the facts recited above and of the covenants, terms and conditions set forth herein, the Parties agree as follows:



GSP IMPLEMENTATION PROGRESS REPORTS FROM 19 AGENCIES INCLUDING KRGSA

Progress in GSP Implementation for each GSA/MA

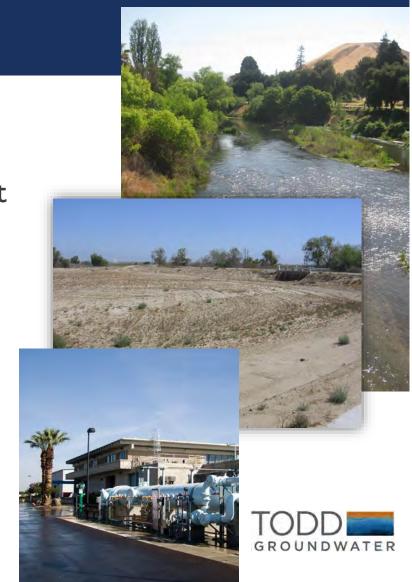
- 1) Compliance with Sustainable Management Criteria
 - a) GSP Monitoring Activities
 - b) Changes in GSP Monitoring Network
 - c) Progress in Achieving Interim Milestones
 - d) Compliance with Sustainable Management Criteria
- a) Implementation of Projects and Management Actions
- 1) Coordination with Stakeholders
- 2) Summary of other GSP-related special studies or activities
- About 46 pages of text and tables

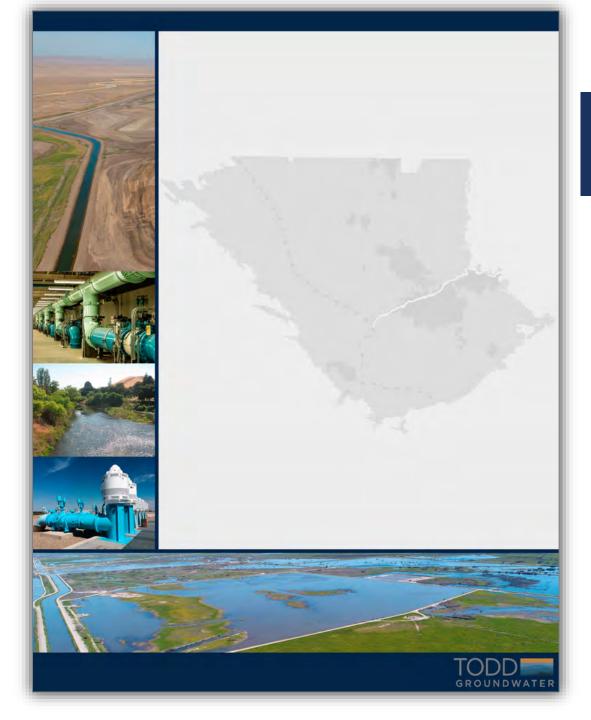




GSP IMPLEMENTATION PROGRESS KRGSA

- Monitoring Program and progress toward sustainable management criteria
- Implementation of Phase One Projects and Management Actions from the GSP
 - Optimization of Conjunctive Use (City, ID4, KDWD)
 - Expansion of recharge facilities (City, ID4, KDWD)
 - Water quality improvement projects (ENCSD)
 - ID4 support of Delta Conveyance Project (MA 7.2.5)
 - City Technical Assistance to DACs (MA 7.2.7)
 - Policies and procedures being developed to support additional MAs on monitoring improvements, reporting, Action Plans, etc. (7.2.1, 7.2.8, 7.2.4)





QUESTIONS?





Post Office Box 151 Bakersfield, CA 93302 Tel: (661) 616-6500

Fax: (661) 616-6550

BOARD OF DIRECTORS MEETING

Date: Thursday, April 1, 2021

Time: 1:00 P.M.

Location: Remotely via Microsoft Teams

DUE TO COVID-19 RESTRICTIONS THIS MEETING IS ONLY HELD REMOTELY

NOTICE: Pursuant to Executive Order N-29-20, issued by Governor Newsom on March 17, 2020, and guidance by the California Department of Public Health dated March 16, 2020, this meeting will be conducted by teleconference. The public may attend the meeting and offer public comments by phone or online, using the Microsoft Teams information or call-in number below.

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<u>A G E N D A</u>

- 1. CALL TO ORDER
- 2. ANNOUNCEMENT OF QUORUM
- 3. INTRODUCTIONS
- 4. PUBLIC COMMENT
- APPROVAL of 2/4/2021 Board Meeting Minutes*
- 6. TREASURER/FINANCIAL REPORT
 - a. March 2021 Accounts Payable/Receivable Ratification*:

Posted pursuant to Government Code § 54954.2(a) at least 72 hours prior to said meeting.

By: Nicole M. Bell Date: March 29, 2021

Per Govt. Code § 54953.2 and § 54961, requests for a disability-related modification or accommodation, including auxiliary aids or services, to attend or participate in this meeting should be made to Nicole Bell (phone 661-616-6500) in advance of the meeting to ensure availability of the requested service or accommodation.



7. CONTRACTING & SCOPE OF WORK

- a. MLJ Environmental 2021 SOW, Ratification*
- b. 2021 Lease*
- c. Resolution Approving & Authorizing Signing Lease Agreement*
- d. Matson Alarm Contract*
- e. Special Activities Agreement #1*

8. KRWCA MANAGER REPORT/ILRP PROGRAM UPDATE

- a. Administrative:
 - i. 2021 Enrollment/Payment Update
- b. <u>Grower Outreach & Education</u>
 - i. INMP Self-Certification Webinar, 3/18/2021
- c. Regional Water Board:
 - i. REMINDER: 2021 On-Farm Drinking Water Wells, wells required to be tested by December 31, 2021.

9. REPORT OF PROVOST & PRITCHARD CONSULTING GROUP

- a. Surface Water Monitoring:
 - i. Surface Water Management Practices Implementation Report (SW MPIR) Approved

10. CV-SALTS http://www.cvsalinity.org

Manager Bell and Land IQ represent KRWCA at the Monthly CV-SALTS Meetings. Links to the monthly Meeting Package and Summary Report as well as general information related to CVSALTS is also provided on our website.

- a. CV-SALTS Meeting Package, February 11, 2021 Meeting
- b. Land IQ Summary Report for February 11, 2021 Meeting
- c. CV-SALTS Meeting Package, March 11, 2021 Meeting
- d. Land IQ Summary Report for March 11, 2021 Meeting
- e. CV-SALTS Brochure
- f. CV-SALTS Brochure: New Water Quality Regulations Provide Options for Flexibility
- g. Prioritization and Optimization Study (P&O) Overview

11. OLD OR NEW BUSINESS

12. ATTORNEYS REPORT

13. CLOSED SESSION

- a. Conference with Legal Counsel Pending Litigation Government Code Section 54956.9(d)(1)
 - Petitions filed by the Kern River Watershed Coalition Authority, et al. with the State Water Resources Control Board (SWRCB) regarding the Tulare Lake Basin General Order.
 - ii. <u>Environmental Law Foundation v. SWRCB, et al.</u>, Sac. County Sup. Ct., Case No. Case No. 34-2018-80002851
 - iii. <u>Protectores Del Aqua Subterranea v. SWRCB</u>, et al., Sac. County Sup. Ct., Case No. 34-2018-80002852
 - iv. Monterey Coastkeeper, et al. v. Central Valley Regional Water Quality Control Board, et al., Sac. County Sup. Ct., Case No. 34-2018-80002853



- v. <u>Petition for Review by Protectores Del Aqua Subterranea with the SWRCB in ReCVRWQCB Order R5-2019-001 Amending General Orders for Grower Members of a Third-Party Group: Tulare Lake Basin Area R5-2013-0120-06, etc.</u>
- b. Conference with Legal Counsel Anticipated Litigation/Significant exposure to litigation Government Code Section 54956.9(d)(2). Two potential cases.

14. KRWCA MEETING ATTENDANCE HIGHLIGHTS – INFORMATION ITEM

- a. 2/9, MZ Leaders Call
- b. 2/9, Management Zone Support Call
- c. 2/9, PEOC Call
- d. 2/10, CVSALTS Salt Control Program Webinar
- e. 2/11, CVSALTS & CVSC Meetings
- f. 3/3, SSJVWQC/MPEP Committee Meeting
- g. 3/3, SAFER/MZ, Self Help Meeting MZ Leaders Call
- h. 3/9, MZ Leaders Call
- i. 3/9, Management Zone Support Call
- j. 3/9, PEOC Call
- k. 3/11, CVSALTS and CVSC Meetings
- I. 3/15, CVGMC Meeting
- m. 4/1, CVSALTS MZs Social Justice/Equity Meeting

15. NEXT MEETING

The next KRWCA Board Meeting is scheduled for 1:00 PM on May 6, 2021 via Microsoft Teams.

16. ADJOURN

"*" Notates and action item (Approval/Ratification)



May 25th, 2021

KEYNOTE SPEAKER

Mark Arax, Author of 'The Dreamt Land; Chasing Water and Dust Across California'
Tickets available online at www.wakc.com /upcoming-events/

Welcome & Importance of Water Conservation

Biden Administration update on Federal Water Bureau of Reclamation

SGMA review: Where are we?

Steven Springhorn, Department of Water Resources
Acting Deputy Director Groundwater Management

Water Rights: views regarding the recent report "Effective Water Rights Response to Climate Change" Joaquin Esquivel, Chair State Water Resources Control Board Valerie Kincaid, Water Law Attorney

History of Water in the West: overview of his most recent book regarding water rights and it's role in the Central Valley

Mark Arax, Award Winning Journalist & Author

Keynote Sponsor



Water Association of Kern County P.O. Box 2165 Bakersfield, CA 93303 661-746-3300 www.wakc.com

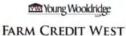
For more information contact: Jenny Holtermann at jenny@wakc.com



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Limited Sponsorship levels still available

For sponsorship information please download the registration document here.

For more information contact Jenny Holtermann at 661-746-3300 or jenny@wakc.com



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: April 20, 2021

Re: Agenda Item VI D. – Water Banking Projects Report

RECOMMENDATION:

Receive report, informational item only.

DISCUSSION:

Below is a summary of activities of note related to various water baking projects/activities of interest to the District.

Kern Fan Recovery Activity:

- As of April 13, 2021, Kern Fan groundwater recovery was approximately 755cfs from 166 wells, as reported via KCWA weekly call.
- See attached graphs provided by KCWA for recovery information through March 12, 2021.

Pioneer Participant Meeting:

• The Pioneer Project Participant Meeting of April 8, 2021 was canceled.

Kern Fan Monitoring Committee:

- The Kern Fan Monitoring Committee met March 17, 2021.
- Chair: Dave Beard; Vice-Chair: Jon Parker.
- Discussion regarding review of cost % split between projects/agencies to take place.

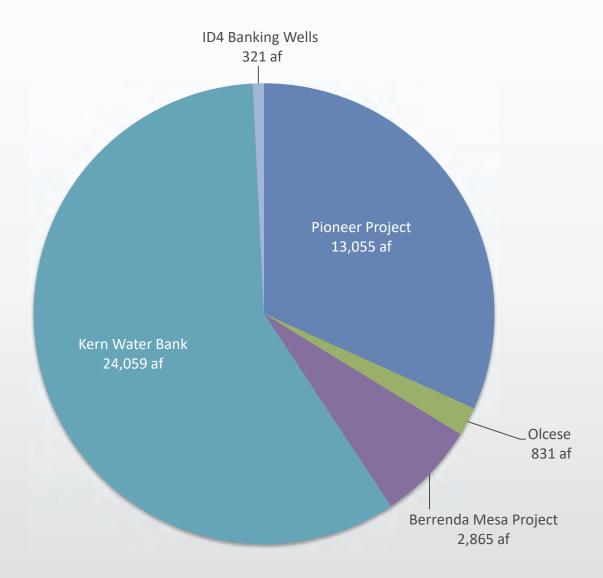
KDWD Water Banking Project:

• MET has provided the District with an official request for the return of regulated water for calendar year 2021. The District has developed and implemented a plan to return just over 40,000af of return water to MET by December 31, 2021.

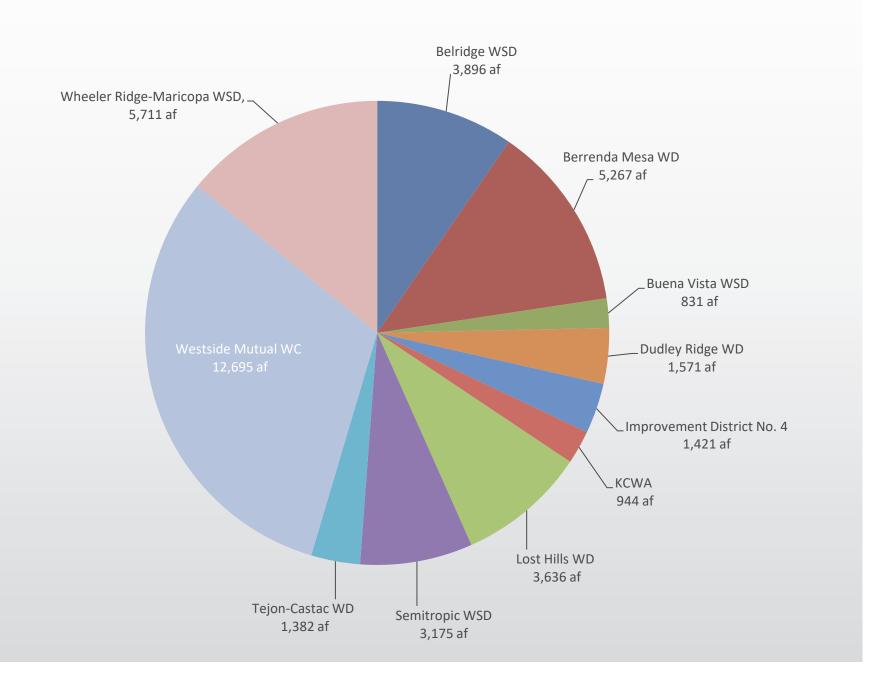
Cross Valley Canal Advisory Committee:

- The CVC Advisory Committee met March 24, 2021.
- Continued discussion regarding CVC hydraulic analysis.
- Approval of License Agreement with the City of Bakersfield for a Bike Path Crossing of the CVC.
- See attached graphs provided by KCWA regarding CVC utilization.

Kern Fan Banking Projects 2021 Estimated Gross Recovery by Project Through March 12, 2021



Kern Fan Banking Projects 2021 Estimated Recovery by Participant Through March 12, 2021

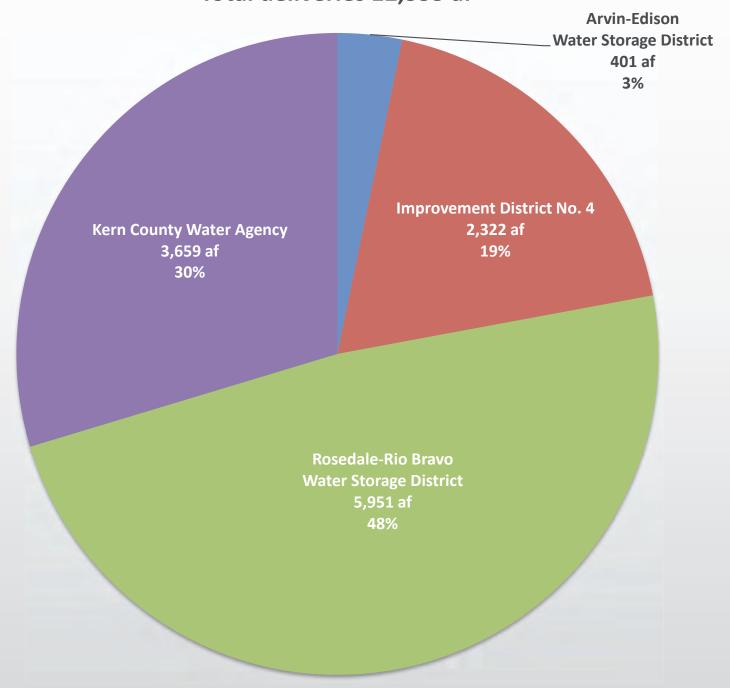


Cross Valley Canal Deliveries by Direction and Source 2021

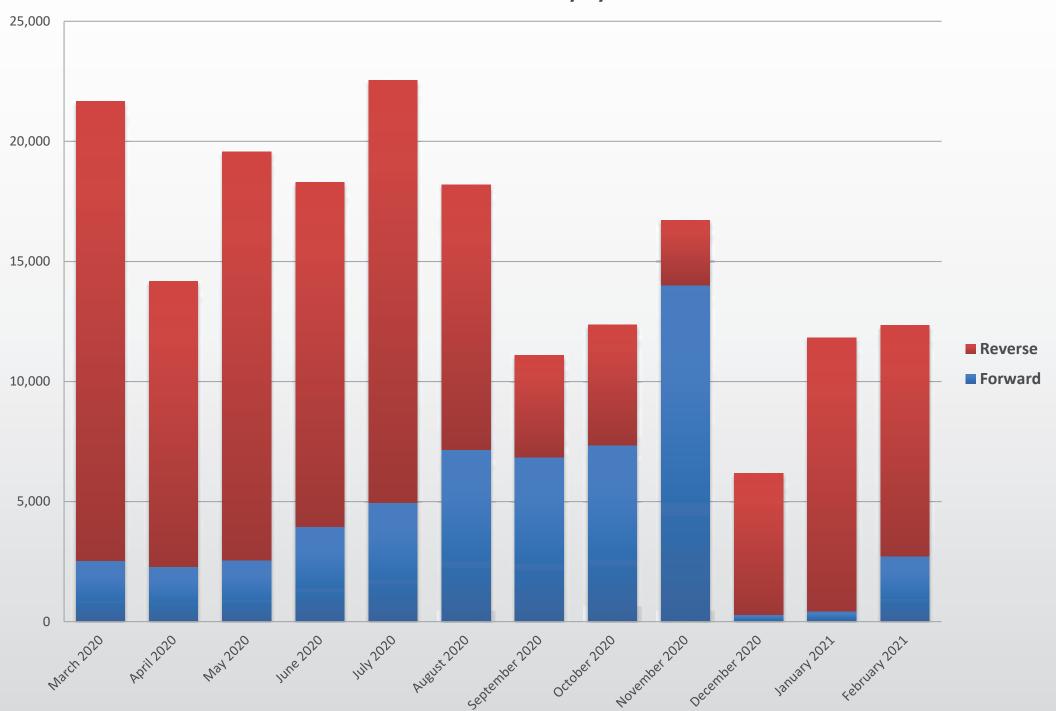
Deliveries are shown in acre feet

-	Deli	iveries by Direction	1	Deliveries by Source				
	Forward	Reverse		State Water	Central Valley	Kern	Recovered	
	Flow	Flow	Total	Project	Project	River	Groundwater	Total
January	427	11,390	11,817	-	-	-	11,817	11,817
February	2,723	9,610	12,333	-	-	-	12,333	12,333
March	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Total	3,150	21,000	24,150	-	-	-	24,150	24,150

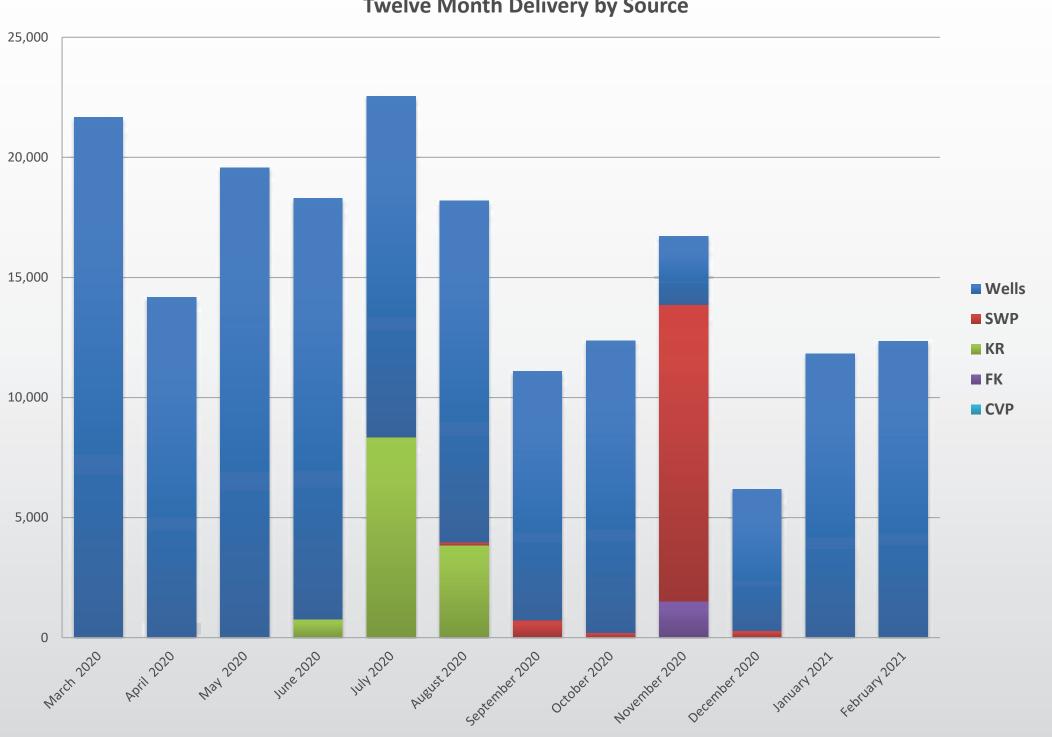
Cross Valley Canal February 2021 Deliveries Total deliveries 12,333 af

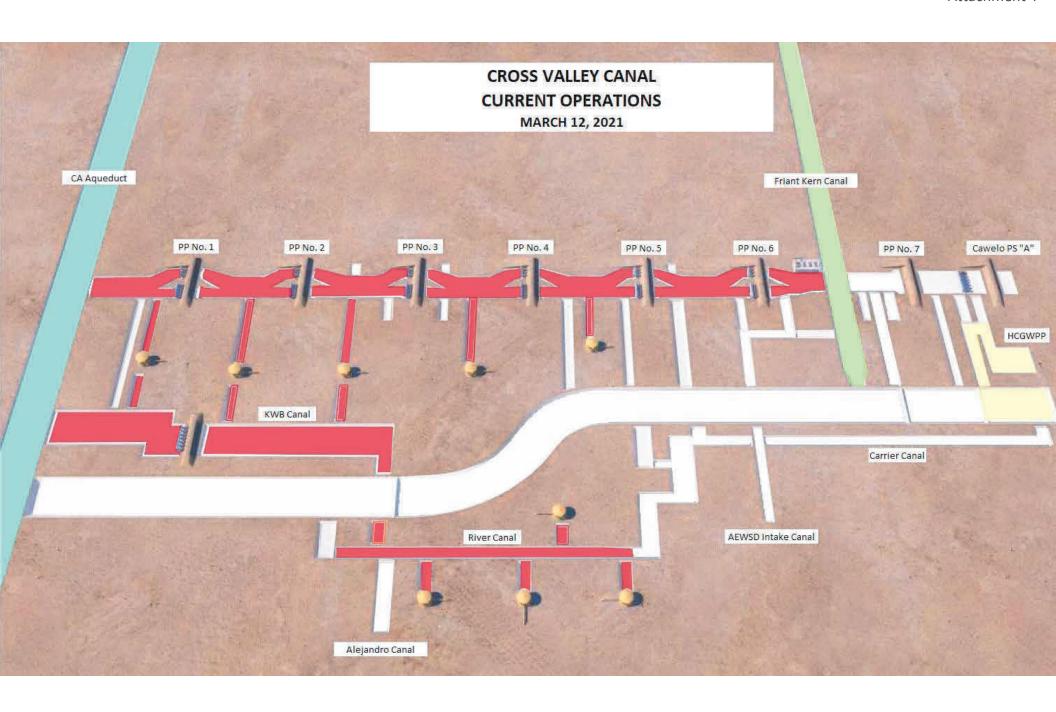


Cross Valley Canal Twelve Month Delivery by Direction



Cross Valley Canal Twelve Month Delivery by Source

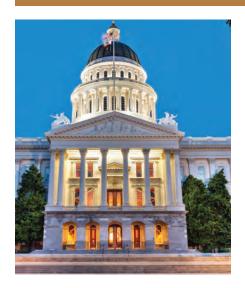




SACRAMENTO REPORT April 2021

Ag Water Coalition

Volume 16, Issue 4



NEWS BRIEFS

Water Board's Outreach Series on Drought Planning

The State Water Resources Control Board public outreach series on drought planning will continue Friday, April 16. There will be a demonstration of an online tool to help the public visualize and analyze water supply and demand in select Bay-Delta tributary watersheds. In the afternoon, the focus will shift to a discussion of standardized measures that can be used to clean up potential errors with water use data that are used to estimate water demand

continued on next page

Legislation to Expedite Water Project Construction Contracts

Senator Bill Dodd (D-Napa) has introduced SB 626 to give the Department of Water Resources (DWR) the ability to use Design Build and Construction Manager/General Contractor (CM/GC) procurement processes for construction contracts. This authority would accelerate project delivery and allow DWR to advance critical public safety, infrastructure, and habitat restoration projects more efficiently. SB 626 would require DWR, on all projects delivered by the department, to use department employees or consultants under contract with the department to perform all project design and engineering services related to design, and construction inspection services, required for the CM/GC method consistent with specified existing law.

Existing law authorizes DWR to use the design-build procurement process only for projects at the Salton Sea. SB 626 would remove this limitation and would exclude the use of design-build for through-Delta water conveyances in the Sacramento-San Joaquin Delta. Existing law also requires agencies authorized to use design-build method of project delivery to notify the State Public Works Board before advertising the design-build project. SB 626 would exclude construction projects undertaken by DWR from this requirement.

See SB 626, page 2

Agriculture Committees Request Statewide Emergency

Senate Agriculture Committee Chairman Andreas Borgeas (R-Fresno) and Assembly Agriculture Committee Chairman Robert Rivas (D-Hollister), along with a bipartisan coalition of Valley legislators, formally requested a statewide declaration of emergency from Governor Gavin Newsom after the California Department of Water Resources (DWR), in conjunction with the Newsom Administration, decreased water allocations to growers and farmers to 5% to combat ongoing drought conditions.

The April 7, 2021 letter to the Governor's office outlined the economic importance of California as the source of half the nation's livestock and produce. According to the letter, the reduced 5% water allocation to the State Water Project

See Ab 377, page 3

Valley Ag Water Coalition
Contact Information:
Cristel Tufenkjian, Secretary-Treasurer
4886 East Jensen Avenue
Fresno, California 93725
(559) 237-5567 Phone
(559) 237-5560 FAX

Inside Sacramento Report

American Jobs Plan Addresses Water Infrastructure	. 4
DWR Flood-MAR Development Efforts Continue	5
Webinar: Prop 1 IRWM Implementation Grant Program	6

NEWS BRIEFS continued

Water Storage Project Screening Q&A April 22, 2021, 1-2pm

The California Water Commission is accepting screening information for water storage projects that may be eligible for Proposition 1, Chapter 8 funding through the Water Storage Investment Program (WSIP). Interested parties are encouraged to attend this informational session.

DWR Draft CalGW Update 2020 Comment Period

The Department of Water Resources (DWR) released in early March the draft California's Groundwater (CalGW) Update 2020 for public comment. This is the State's official publication on the occurrence and nature of groundwater in California. It also provides information on groundwater management and recommendations for the future. Also available are the report's data and appendices, along with a groundwater story map. The 45-day public comment period will run through Monday, April 26.

CalGW Update 2020 is the first comprehensive update to the CalGW series, also known as Bulletin 118, since 2003. Details are available in this news release.

Guide Offers Land Repurposing Strategies for Groundwater Sustainability

The Environmental Defense
Fund has released a guide for
developing regional groundwater
strategies to create multiple benefits. Advancing Strategic Land
Repurposing and Groundwater
Sustainability in California seeks
to offer information that can be
used by groundwater sustainability agencies, local governments,
and land use planners.

continued on next page

SB 626, continued from page 1

According to State Water Contractors, which has a 'support if amended' position on SB 626, the legislation would help DWR adapt and update the State Water Project (SWP), a 60-year-old system comprised of 700 miles of canals, pipelines, reservoirs and hydroelectric power facilities that deliver to its customers.

"Through charges for participation in the SWP, SWC members have funded and continue to fund all capital projects, operations and maintenance of the SWP, and extensive ecosystem restoration projects required as mitigation in SWP permits," SWC wrote in a letter to Senator Dodd. "The efficient and timely delivery of projects and improvements to existing facilities is of critical importance to the SWC and all of the ratepayers it represents. Projects using Design Build or the CM/GC procurement method can begin earlier and take less time because of overlapping design and construction phases, will help reduce overall costs to water ratepayers and project risks and will support DWR in expediting critical water infrastructure improvements that will improve California's water supply climate resiliency."

SWC has asked Senator Dodd to accept two clarifying amendments. The first amendment would require that DWR award contracts following the receipt of competitive bids or proposals from all contractors determined to be qualified to perform the work. This would ensure that DWR has the benefit of project-specific proposals, including price, when selecting a qualified person or firm. The second amendment would ensure that in the event the procurement authorization is repealed at some date in the future, any CM/GC contracts entered prior to the repeal would continue in full force and effect until completion or termination, including any subsequently executed changes to the contract.

SB 626 was scheduled to be heard in the Senate Natural Resources and Water Committee on April 15, 2021.

Declaration, continued from page 1

(SWP), which serves thousands of farmers and growers, will weaken California's food supply chain, and endanger underserved communities that depend on clean, reliable water. While the coalition acknowledged the state's familiarity with drought conditions, they asserted that a statewide declaration of emergency would provide water agencies more flexibility to adapt to such challenging, but temporary, conditions.

"We had similar drought conditions in 2014," the letter states. "At that time, the Governor declared a state of emergency in order to provide flexibility and commonsense streamlining to utilize our limited water in the most efficient way possible. These temporary measures acknowledged that during severe droughts, the state has to be able to provide water to the 27 million Californians and 750,000 acres of farmland currently served by the SWP."

After two consecutive dry winters, DWR adjusted its initial SWP allocation for the 2021 water year from 10% to 5%. Initial allocations were based on conservative assumptions regarding hydrology and factors such as reservoir storage. Allocations are reviewed monthly and may change based on snowpack runoff information. As of April 8, 2021, the United States Drought Monitor classified

Declaration, continued from page 2

large swaths of the state as under Severe, Extreme, and Exceptional drought conditions. Snow water content in the Sierra Nevada Mountains was at 59% of the average, and the state has only received about 50% of its average precipitation for the water year, leaving reservoirs half-full. Combined with high temperatures, precipitation deficits have reduced stream flow, dried out soils, and stressed vegetation in the state.

"We are now facing the reality that it will be a second dry year for California and that is having a significant impact on our water supply," said Karla Nemeth, DWR Director. "The Department of Water Resources is working with our federal and state partners to plan for the impacts of limited water supplies this summer for agriculture as well as urban and rural users. We encourage everyone to look for ways to use water efficiently in their everyday lives."

According to the Senate and Assembly Agricultural Committees, a statewide emergency declaration would give water agencies the tools necessary to incentivize water conservation, minimize red tape for water transfers, and allow state agencies to modify certain reservoir release standards to allow for more water to go to communities throughout the state. Additionally, the letter requests DWR Officials to meet with Members of the Legislature representing the San Joaquin Valley—which is expected to endure the largest losses in employment under drought conditions—to discuss the impact that water restrictions will have on California's underrepresented communities. Finally, the letter requests that California's food producers be provided financial assistance to sustain their operations through drought, especially given California's unanticipated revenue of \$14.3 billion.

In March, U.S. Agriculture Secretary Tom Vilsack designated 50 counties in California as primary natural disaster areas because of recent drought conditions. On April 8th, 2021, U.S. Secretary of the Interior Deb Haaland released a joint statement with Secretary Tom Vilsack acknowledging the worsening drought conditions in the Western United States. Governor Newsom, however, remains hesitant to declare an emergency.

"We're preparing to do many things as it relates to preparing ourselves for the reality formally of second drought conditions," Governor Newsom said in response to the letters. "As it relates to the specific declaration of emergency which as all kinds of component parts, we are not prepared to do that at this moment."

In an April 11, 2021 interview with KSEE-24 News, Valley Congressman Jim Costa (D-Fresno) echoed the bipartisan coalition's sentiments and urged the governor to declare an emergency. According to the congressman, declaring an emergency would accentuate the impacts that the dry period will have on multiple aspects of Californians' lives, including our agriculture.

Senator Borgeas sent a follow-up request to the governor on April 12, 2021, which noted that water experts and leaders at all levels of government agreed that an emergency declaration is necessary.

"California farmers need to make decisions now," Senator Borgeas said. "We can't until the zenith of the drought to take action. We can't afford to wait any longer."

NEWS BRIEFS continued

Comment Period for the Implementation of Water Resources Development Act

The U.S. Army Corps of Engineers is collecting public comments on implementation guidance for provisions in the Water Resources Development Act of 2020. The Act paves the way for new federal investments to enhance, expand and build new water infrastructure projects across the country. The public comment period closes May 7.

Delta Conveyance Project Workshop Series on Community Benefits Program

A series of workshops on developing a community benefits program for the Delta Conveyance Project began this month. The workshops are intended to provide an opportunity to discuss projects that could be beneficial to the Delta community if the conveyance is approved. The workshop series will continue on May 6 and May 25.

State Drought Actions Examined in New Report

The actions taken by State agencies during the 2012–2016 drought are detailed in a new report released by the California Natural Resources Agency (CNRA). The information covers the water management decisions during that time, including the challenges, successes, and areas in need of improvement. Details are available in a blog entry from CNRA Secretary Wade Crowfoot.

A Look at How Changing Water Rights Laws Can Facilitate Water Transfers

The latest <u>research brief</u> from Stanford's Water in the West explores whether proposed changes

continued on next page

NEWS BRIEFS continued

to water rights laws could alleviate barriers in the water transfer process. It also looks at whether fewer barriers could enable more adaptive and efficient water markets. The study focuses on three issues in Colorado, which has some of the country's most developed water laws and markets.

Resources Hub Offers Guidance and Tools for Groundwater Management

The Nature Conservancy's Groundwater Resource Hub offers guidance, tools, and examples of how to manage groundwater for the environment. Recent features include a hub tour with information on groundwater dependent ecosystems (GDEs) and resources for groundwater sustainability plans.

Hub Provides Avenue for Matching Volunteers to Climate-Related Projects

With Earth Day coming up on April 22, <u>California Volunteers</u> has launched an effort to make it easier to get involved in volunteer efforts. The project includes a <u>hub</u> to match volunteers with climate-related projects. There is also a <u>registry</u> for climate-related organizations looking for volunteers.

Data 101 Guidebook Aims to Help Data Management Practices

To help close the gap between traditional and modern data management practices, the Internet of Water (IoW) has created the Data 101 guidebook. It uses non-technical language to provide information about water data infrastructure. The guide is

American Jobs Plan Addresses Water Infrastructure

The Biden Administration's \$2 trillion American Jobs Plan, unveiled on March 31, 2021, would allocate federal funding towards improving the nation's water infrastructure.

"Across the country, pipes and treatment plants are aging and polluted water is endangering public health," according to the White House fact sheet. "An estimated six to ten million homes still receive drinking water through lead pipes and service lines. The President's investments in improving water infrastructure and replacing lead service lines will create good jobs, including union and prevailing wage jobs."

The American Jobs Plan directs \$111 billion to replace 100 percent of the nation's lead pipes and service lines and upgrade and modernize America's drinking water, wastewater, and storm water systems.

President Biden's plan calls on Congress to invest \$45 billion in the Environmental Protection Agency's (EPA) Drinking Water State Revolving Fund and in Water Infrastructure Improvements for the Nation Act (WIIN) grants to eliminate all lead pipes and service lines in the country. The White House states that this investment will not only reduce lead exposure in American homes, but also reduce lead exposure in 400,000 schools and childcare facilities.

President Biden's plan aims to modernize the country's water systems throughout the country by scaling up existing programs; this includes providing \$56 billion in grants and low-cost flexible loans to states, Tribes, territories, and disadvantaged communities. The remaining \$10 billion will be used to: monitor and remediate per- and polyfluoroalkyl substances (PFAS) in drinking water; and invest in rural small water systems and household well and wastewater systems.

Additionally, the American Jobs Plan directs \$50 billion make infrastructure more resilient against floods, wildfires, hurricanes, and other risks. The plan calls for increasing the resilience of various essential services, including the electric grid, against climate-change-related or extreme weather events. This funding will also be used to protect and restore nature-based infrastructure, such as the country's lands, wetlands, watersheds, and coastal and ocean resources, which includes funding for the western drought crisis by investing in water efficiency and recycling programs.

"In 2020, the United States endured 22 separate billion-dollar weather and climate disasters," the White House notes. "Every dollar spent on rebuilding our infrastructure during the Biden administration will be used to prevent, reduce and withstand the impacts of the climate crisis."

The Association of California Water Agencies (ACWA) has joined a coalition of over 200 agricultural organizations and urban and rural water districts to encourage the Administration and Congressional leaders to further bolster water infrastructure provisions in the plan. In a media statement, the coalition noted that Western states, like California, have a larger need for improved water infrastructure, especially since the region is projected to face more bouts of drought.

"Appropriate investments in water infrastructure will assure that underserved rural communities throughout the nation have access to clean, reliable water," ACWA Director of Federal Relations David Reynolds said. "Water infrastructure funding can help the nation adjust to climate change, better protect the environment and help ensure safe, abundant, local food supplies."

American Jobs, continued from page 4

The Biden Administration's solutions to America's water infrastructure woes are currently presented in broad strokes; the details are still unclear. The specifics of the American Jobs Plan—which will likely come as administration officials continue to work with Congress—are still needed to determine exactly how it will affect California's water infrastructure.

The American Jobs Plan is part of the Biden Administration's Build Back Better initiative. Alongside improving our country's water infrastructure, the proposed plan directs funding towards improving our transportation, energy, and communication system nationwide. The plan also includes federal funding for: research and development; workforce development and manufacturing; caretaking economy; affordable and sustainable housing; and improving public education facilities.

DWR Flood-MAR Development Efforts Continue

The California Department of Water Resources (DWR) continues to advance efforts to research, develop, and eventually implement a statewide Flood-Managed Aquifer Recharge (Flood-MAR) Network.

DWR began pursuing the idea of a Flood-MAR program after years of oscillating drought and flood. Five years of drought (2011 – 2016) was followed by the second wettest water year from November 2016 – February 2017. The impacts of such extremes were particularly felt in the San Joaquin Valley where over-drafted groundwater basins resulted in subsidence and drinking water shortages. Such variable weather patterns across California have been attributed to climate change and are only expected to exacerbate flood risks and lead to longer, more severe droughts, further challenging the state's water supply reliability. Additionally, after the passage of the Sustainability Groundwater Management Act (SGMA) in 2014, statewide interest in using excess winter season water application on agricultural lands increased among members of the agricultural community, groundwater sustainability agencies, and elected officials. DWR identified Flood-MAR strategies, and the development of a Flood-MAR Network, as a solution to many of the state's water infrastructure sustainability and resilience problems.

DWR tasked a Flood-MAR Research Advisory Committee (RAC) to identify the research, data, guidance, and tools necessary to support and expand the implementation of Flood-MAR Projects. RAC presented their findings in the Flood-MAR Research and Data Development (R&DD Plan), which recommended establishing the Flood-MAR Network as a collaborative that orchestrates the compilation of technical and financial assistance information to support Flood-MAR project research and implementation. Though flood protection and groundwater management agencies have typically worked independently of each other, the creation of a Flood-MAR network would require these two groups to partner or integrate to reduce the impact of California's swinging pendulum of severe floods and droughts.

"A Flood-MAR network's purpose is to bring together a diverse group that collects a range of perspectives, including research, NGOs, government agencies, engineers, economists, hydrologists, water resource managers, citizens, and volunteers to develop long term tools, projects, and body of knowledge for multibenefit integrated solutions that include flood management, groundwater sustainability, economic benefits, and water resiliency ranging from the community level to the state level," Orit Kalman, from California State University Sacramento College for Continuing Education, Consensus and Collaboration Program (CSUS-See DWR, page 6

NEWS BRIEFS continued

available on the IoW's Learning Center webpage.

March issue of Estuary News

Estuary News shares some of the bounty of spring in this issue, as activists, engineers, and adventurers challenge themselves to overcome obstacles, pick up where they left off, or get stuff done on the tail of Covid. Enjoy articles on a variety of topics, such as kayaking to Hawaii, the state of the Delta tunnels, and having beavers for neighbors.

March 2021 issue of SFEWS

The San Francisco Estuary and Watershed Science March 2021 issue has been <u>released</u>. This issue contains articles on Modeling Delta Smelt Distribution for Hypothesized Swimming Behaviors, Evaluating the Role of Boat Electrofishing in Fish Monitoring of the Sacramento—San Joaquin Delta, and much more.

Save the Date: Science Actions Workshop

The Science Actions Workshop will be held July 13-14 this year. The Delta Science Program invites you to help shape near-term priority science actions for the Sacramento-San Joaquin Delta as part of the update to the 2022-2026 Science Action Agenda (SAA). Building off of the collaboratively developed list of 65 Top Delta Management Questions and an assessment of progress made on the 2017-2021 SAA, these actions will provide a framework for science funding by the Delta Stewardship Council and its partners.

continued on next page

UPCOMING MEETINGS

Delta Independent Science Board

April 16, 2021; 12:30pm No Physical Location Notice, Webinar

State Water Resources Control Board

April 20-21, 2021; 9:00am No Physical Location Agenda, Notice of <u>Public Workshop</u>, <u>Webcast</u>, <u>Participation Guidelines</u>

California Water Commission

April 21, 2021; 9:30am No Physical Location Agenda, Webcast, Participation Guidelines

Delta Stewardship Council

April 22, 2021; 9:00am No Physical Location Agenda and participation guideline, Webcast

Central Valley Regional Water Quality Control Board

April 22, 221; 9:00am No Physical Location Agenda and participation guideline, Webcast

State Water Resources Control Board

May 4-5, 2021; 9:00am No Physical Location Agenda (Not yet Posted)

DWR, continued from page 5

CCP), explained during the DWR's recent update on the development of the Flood-MAR Network.

The Flood-MAR Network would not become an organization. It has no other mission other than helping link members to be stronger at their own mission, according to Kalman. The Network would be more akin to a communication and information hub that, the RAC noted, would be best administered by an entity with a budget and a specific function to support Flood-MAR strategies statewide. Once established the network would seek to accomplish the following goals: (1) identify and fill knowledge gaps; (2) create a format or process for sharing Flood-MAR body of knowledge; (3) continue ongoing communication to expand the collective Flood-MAR knowledge; (4) conduct external outreach and education; and (5) support Flood-MAR implementation efforts.

DWR previously identified challenges to implementing Flood-MAR strategies and establishing a Flood-MAR Network in their June 2018 White Paper. In order to explore the questions, barriers, and challenges identified in the white paper, DWR, in partnership with Merced Irrigation District, is currently conducting a reconnaissance study on the implementation of Flood-MAR in the Merced River Basin. Once completed, the study will provide a preliminary analysis of barriers and challenges to Flood-MAR implementation; quantify and describe potential public and private benefits that resulting from Flood-MAR projects; and consider and describe potential negative effects associated with Flood-MAR strategies.

Though the implementation of statewide Flood-MAR strategies and establishing a Flood-MAR network could provide several benefits, according to DWR, the potential negative impacts, or disadvantages of Flood-MAR strategies in California still need to be thoroughly explored and disclosed to the public.

Discussions on Flood-MAR strategies and the Flood-MAR network implementation are ongoing. DWR hosts a monthly meeting, Lunch-MAR, to provide updates on the status of the network. The next meeting will be held on May 5, 2021.

Webinar: Prop 1 IRWM Implementation Grant Program - Round 1 Survey Results and Round 2 Concepts | May 6, 2021, 12-1:30 p.m.

The IRWM Roundtable of Regions and the Department of Water Resources (DWR) will discuss at this virtual workshop Round 1 survey results and proposed concepts for the Round 2 grant solicitation process, which will begin this summer, making over \$190 million (in remaining Prop 1 funds) available for the implementation of IRWM projects.. Registration is available Here.

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Valley Ag Water Coalition

The mission of the Valley Ag Water Coalition is to represent the collective interests of its San Joaquin Valley member agricultural water companies and agencies in California legislative and regulatory matters by providing leadership and advocacy on issues relating to the development and delivery of a reliable farm water supply.