



REGULAR BOARD OF DIRECTORS MEETING

501 Taft Highway
Bakersfield, California

TUESDAY, November 17, 2020

AGENDA

THERE IS NO PHYSICAL LOCATION FOR THIS MEETING

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

<https://global.gotomeeting.com/join/919783109> You can also dial in using your phone.

United States: +1 (571) 317-3122 Access Code: 919-783-109

CALL TO ORDER AND ANNOUNCEMENT OF QUORUM

12:30PM

CLOSED SESSION:

- A. Conference with Legal Counsel – Significant Exposure to Litigation – Closed Session Pursuant to Government Code § 54956.9(d)(2), (e)(3):
 - 1. Claim filed by Brancato Farms
- B. Conference with Real Property Negotiators Pursuant to Gov. Code Section 54956.8:
 - 1. Potential Recharge Lands
 - a. District Negotiator: Steven Teglia
 - 2. APN 184-340-14
 - a. District Negotiator: Steven Teglia
 - b. Negotiating Party: Augie Amour
 - c. Under Negotiations: Price and Terms of Payment for Purchase.

REGULAR SESSION:

1:30PM

INTRODUCTION OF GUESTS AND PUBLIC

- I. **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. Approve Minutes of the Regular Board Meeting of October 15, 2020.
 - B. Approve October/November 2020 District Construction and Water Banking Disbursements.
 - C. Approve October/November 2020 District Accounts Payable.

- III. BUSINESS AND FINANCE** (The Board will consider various items and issues relating to financial matters which are of interest to the District.)
- A. Public Hearing.
 - i. Approval of Resolution 2020-08 Levying Special Assessments Within Zones of Benefit.
 - B. Business & Finance Committee Report– November 12, 2020.
 - i. Approval of November 2020 Financial Reports.
- 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 – November 3, 2020.
 - i. District Facility and Maintenance Update.
 - ii. District Encroachment Permit Report.
 - iii. Sunset Recharge Facility Project Update.
 - iv. District Office Expansion Project Update.
 - B. Branch 1 at Hosking Road Project.
 - i. Approval of Ditch Eradication/Pipeline and Common Use Agreement.
 - ii. Approval of Branch 1 Grant Easement.
 - C. Draft Monitoring Well Acceptance Procedure.
- V. KERN RIVER WATERMASTER** (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.
 - B. Kern River Watermaster Report.
 - i. Isabella Dam Safety Remediation Report.
 - ii. Kern River Basin Ground-Based Generation Program.
- 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. Verbal Report.
 - i. Approval of 2021 District Meeting Calendar.
 - B. External Agency Report.
 - C. Water Banking Projects Report.
- VII. ATTORNEY'S REPORT** (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.

SPECIAL NOTICE
Public Participation and Accessibility
Kern Delta Water District (Kern Delta) Board Meeting

On March 17, 2020, Governor Gavin Newsom issued Executive Order N-29-20, which includes a waiver of Brown Act provisions requiring physical presence of the Board or the public in light of the COVID-19 pandemic. Based on guidance from the California Governor's Office and Department of Public Health, as well as the County Health Officer, in order to minimize the potential spread of COVID-19, the Kern Delta Board hereby provides notice that the following adjustments have been made:

1. The Kern Delta Board meeting scheduled for **November 17, 2020, at 12:30 p.m.** will have public access via GoToMeeting. Closed session will take place between 12:30 p.m. to 1:30 p.m. Open session will convene at 1:30 p.m. or shortly thereafter.
2. Consistent with the Executive Order, the Board and Staff will attend the meeting via GoToMeeting and participate in the meeting to the same extent as if they were physically present.
3. The public may participate in the meeting and address the Board as follows:
 - Join the meeting from a computer, tablet, or smartphone at <https://global.gotomeeting.com/join/919783109> You can also dial in using your phone +1 (571) 317-3122 Access Code: **919-783-109** and comment during the public statements portion of the agenda.
 - If you cannot attend the meeting you can submit your comment via email at info@kerndelta.org **prior to the Kern Delta Board meeting.**
 - Alternatively, you may comment by calling **(661) 834-4656** and leaving a message no later than **4:00 p.m. the day prior** to the Kern Delta Board meeting. Your message will be transcribed as accurately as possible and **will not be read but will be included** as part of the permanent public record of the meeting.

Tab II





To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: November 17, 2020

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. Approve Minutes of the Regular Board Meeting of October 20, 2020 (attached).

II B. Approve October/November 2020 District Construction and Water Banking Disbursements totaling \$50,098.59* (attached) partially recommended for approval by the Operations and Projects Committee (*see November 3, 2020 Operations and Projects Committee Minutes for additional detail*).

II C. Approve October/November District Accounts Payable (attached) recommended for approval by the Business and Finance Committee (*see November 12, 2020 Business and Finance Committee Minutes for additional detail*).

**Staff will provide additional comment regarding the difference in disbursements approved by the Operations and Projects Committee (\$1,863.21) and the total stated above.*



MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS

October 20, 2020

TUESDAY, October 20, 2020, 12:05PM– 2:22PM

DIRECTORS PRESENT: None.

DIRECTORS PRESENT VIA VIDEO: Palla, Kaiser, Tillema, Antongiovanni, Garone, Collins, Bidart, Mendonca (12:35PM), and Spitzer.

DIRECTORS ABSENT: None.

STAFF PRESENT: General Manager Teglia, Water Resources Manager Mulkay, Assistant General Manager Bellue, General Counsel Iger, Controller Duncan, Hydrographer Hyatt, and Administrative Assistant Rodriguez.

OTHERS PRESENT VIA VIDEO: George Cappello.

EXECUTIVE SESSION DECLARED AT 12:05PM

President Palla called to order the Executive Session of the Kern Delta Board of Directors at 12:05PM 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.
2. California Department of Water Resources v. All Persons Interested in the Matter of the Authorization of Delta Program Revenue Bonds.

B. Conference with Legal Counsel – Initiation of Litigation – Closed Session Pursuant to Gov. Code § 54956.9(d)(4):

1. One Matter.

C. Conference with Real Property Negotiators Pursuant to Gov. Code Section 54956.8:

1. Potential Recharge Lands
 - a. District Negotiator: Steven Teglia
2. APN 184-150-47
 - a. District Negotiator: Steven Teglia
 - b. Negotiating Party: Barry Marlett
 - c. Under Negotiations: Price and Terms of Payment for Purchase.

Executive Session was concluded at 1:10 PM.

REGULAR SESSION DECLARED AT 1:35PM

President Palla called to order the Regular Session of the Kern Delta Board of Directors at 1:35PM.

Note: Director Bidart was not present for the 1:30PM Regular Session.

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

Item A (1): No reportable action.

Item A (2): By an 8-0 vote with member Mendonca absent, staff was given direction.

Item B (1): No reportable action.

Item C (1): No reportable action.

Item C (2): By a 9-0 vote staff was given direction to complete a purchase and sale agreement for APN 184-150-47 for \$600,000.

Item C (3): No reportable action.

INTRODUCTION OF GUESTS AND PUBLIC

Mr. George Cappello announced his participation as a guest.

I. PUBLIC COMMENT

None.

II. CONSENT CALENDAR

M/S/C (Garone/Tillema) (yes-8, no-0): By roll call vote, with member Bidart absent, the Board approved and authorized items II A through II C of the Consent Calendar.

- A. Approve Minutes of the Regular Board Meeting of September 15, 2020.
- B. Approve September/October 2020 District Construction and Water Banking Disbursements.
- C. Approve September/October 2020 District Accounts Payable.
- D. Approve Outdoor Lease Agreement (Billboard) with Sun Outdoor Advertising LLC.

III. BUSINESS AND FINANCE

A. Business & Finance Committee – October 15, 2020:

Controller Duncan briefly reported on the October Business & Finance Committee Meeting.

A(i). Approve October 2020 Financial Reports – Mr. Duncan presented the September 2020 District and Water Banking Project Financial Statements, Treasurer's Reports, and District Delinquency Report.

M/S/C (Antongiovanni/Garone) (yes-8, no-0): By roll call vote, with Member Bidart absent, the Board approved the September 2020 District and Water Banking Project Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

IV. OPERATIONS AND PROJECTS

A. Operations and Projects Committee – October 6, 2020:

Assistant General Manager Bellue briefly reported on the October Operations and Projects Committee Meeting including District maintenance activities and encroachment permit requests.

B. District Office Expansion Project Update:

Mr. Bellue and General Manager Teglia provided a brief update regarding the progression of the District office expansion project.

V. KERN RIVER WATERMASTER

A. District Water Master Report:

District Hydrographer Perry Hyatt reviewed and discussed the water supplies of the District for the month of September and early October. Approximately 9,263 acre-feet of water was delivered in District during September. In addition, Mr. Hyatt provided graphical information regarding depth to groundwater at various monitoring locations throughout the District.

B. – B(i). Kern River Watermaster Report:

The October Kern River Watermaster Report and an expanded Isabella construction update provided by the Army Core of Engineers were also highlighted by staff.

B(ii). Approval of Isabella Cost Sharing Agreement:

Mr. Teglia explained that the current Isabella Cost Sharing Agreement between the agencies having Isabella Reservoir storage rights expired in July of 2020. As such, a new agreement was developed among those agencies and is presented to the Board for approval. The cost sharing agreement is designed to allow a mechanism for the storage participants to retain consultants as may be necessary to advise on the Isabella Dam remediation project and related issues. Prior agreements were executed in 2006, 2010, 2012 and 2015.

M/S/C (Mendonca/Kaiser) (yes-8, no-0): By roll call vote, with Member Bidart absent, the Board approved the Isabella Cost Sharing Agreement as presented.

VI. MANAGER'S REPORT

A. Verbal Report:

Mr. Teglia provided a brief verbal report on various District activities.

A(i). Kern Delta Agricultural Water Management Plan Update:

Mr. Teglia explained that every five years the District is required to submit an Agricultural Water Management Plan (AWMP) to the Department of Water Resources. The last AWMP was prepared in 2015 and as such an updated plan is required for 2020 (due April of 2021). In an effort to move forward with this project, staff requested the Board authorize the General Manager to obtain proposals and select a consultant to assist the District in developing an updated AWMP for 2020, not to exceed \$60,000.

M/S/C (Kaiser/Garone) (yes-8, no-0): By roll call vote, with Member Bidart absent, the Board authorized the General Manager to obtain proposals and select a consultant to develop an updated Agricultural Water Management Plan for 2020, in an amount not to exceed \$60,000.

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.

B(i). Amendment No. 3 to the Long-Term Yuba Water Purchase Program Letter Agreement Between Kern Delta Water District and the Kern County Water Agency:

Mr. Teglia presented the above stated agreement as provided by the Kern County Water Agency for approval.

M/S/C (Spitzer/Kaiser) (yes-8, no-0): By roll call vote, with Member Bidart absent, the Board approved Amendment No. 3 to the Long-Term Yuba Water Purchase Program Letter Agreement Between Kern Delta Water District and the Kern County Water Agency.

B(ii). Delta Conveyance Project Participation:

Mr. Teglia briefly summarized various documents and presentations provided by the Kern County Water Agency (included in the Board package) which provided information regarding the Delta Conveyance Project.

M/S/C (Garone/Kaiser) (yes-8, no-0): By roll call vote, with Member Bidart absent, the Board decided that Kern Delta Water District will not participate in the Delta Conveyance Project.

C. Water Banking Projects Report:

Mr. Teglia provided verbal comments supplementing a memorandum included in the Board package which provided information on water banking projects on the Kern River Fan. Recovery within the Kern Fan area will continue at some level through October 2020. District recovery efforts ceased on August 27th. The CVC continues to run primarily in reverse flow to the California Aqueduct, with some forward flow deliveries.

IX. ATTORNEY'S REPORT

None.

X. BOARD MEMBER COMMENTS

None.

XI. ADJOURNMENT:

There being no further business, President Palla adjourned the meeting at approximately 2:22 P.M.

Respectfully Submitted,



Steven Teglia, General Manager

Approved by Board,



Richard Tillema, Board Secretary

KERN DELTA WATER BANKING PROGRAM DISBURSEMENT RECOMMENDED
BY THE OPERATIONS & PROJECTS COMMITTEE - NOVEMBER 3, 2020

VARIABLE

KERN MACHINERY	Pins, nuts, bolts - mower	684.35	2856
P.G.&E.	AE-2 - well utilities	184.63	2857
P.G.&E.	AE-3 - well utilities	181.07	2858
P.G.&E.	AE-4 - well utilities	222.70	2859
P.G.&E.	FR-3 - well utilities	45.83	2860
P.G.&E.	KD-1 - well utilities	49.11	2861
P.G.&E.	KD-2 - well utilities	36.20	2862
P.G.&E.	KI-8 - well utilities	196.12	2863
QUINN	Hook - backhoe	263.20	2864
TOTAL		\$1,863.21	

These invoices came in after the November 3, 2020 Operations & Projects committee meeting and will be reviewed at the November 12, 2020 Business and Finance Committee.

P.G.&E.	BV-2 - well utilities	60.38	2865
P.G.&E.	BV-3 - well utilities	56.48	2866
P.G.&E.	BV-4 - well utilities	54.47	2867
P.G.&E.	BV-5 - well utilities	52.01	2868
COUNTRY TIRE	Flat repair, service call - #401	292.50	2869
PINNACLE SURVEYING	Topographic survey - Sunset ponds	3,600.00	2870
P.G.&E.	AE-1 - well utilities	236.41	2871
P.G.&E.	FR-2 - well utilities	53.17	2872
P.G.&E.	KB-1 - well utilities	187.27	2873
P.G.&E.	KB- 3 - well utilities	754.48	2574
P.G.&E.	KB-4 - well utilities	54.68	2575
P.G.&E.	KB-6 - well utilities	55.03	2576
QUINN	Filters - backhoe	118.20	2877
ZEIDERS CONSULTING	Sunset Recharge	42,660.30	2878
TOTAL		\$48,235.38	

GRAND TOTAL \$50,098.59

**KERN DELTA WATER DISTRICT
DISBURSEMENTS RECOMMENDED BY THE BUSINESS AND FINANCE COMMITTEE
THURSDAY, NOVEMBER 17, 2020**

OCTOBER 2020 SUB TOTAL \$255,376.41

#	PAYEE	AMOUNT	CHECK
1	AMERICAN BUSINESS MACHINE - maintenance agreement	514.63	44036
2	AMERIFUEL - fleet fuel	5,294.74	44037
3	BATTERY SYSTEMS - batteries - #210, #323	265.78	44038
4	BLACK/HALL CONSTRUCTION - 5th construction installment	243,547.36	44039
5	B.S.&E., concrete, mixing trailer	165.27	44040
6	COUNTRY TIRE - tire - #328	425.83	44041
7	COX, CASTLE & NICHOLSON - Onyx Ranch project	5,647.33	44042
8	DEPARTMENT OF PESTICIDE REGULATION - dues - Fontes, Cavazos	260.00	44043
9	ELITE SITE SERVICES - office trailer rental	2,413.13	44044
10	HOME DEPOT - maintenance supplies	42.27	44045
11	JERRY AND KEITH'S - valve - #T-12	63.05	44046
12	JIM BURKE FORD - exhaust fluid, filters, front brakes, caliper - #325, #211	525.19	44047
13	KERN COUNTY RECORDER - lien redemptions	200.00	44048
14	KERN COUNTY AUDITOR-CONTROLLER - A/P warrants	25.50	44049
15	KCTTC - property taxes	6,667.39	44050
16	KRAZAN & ASSOC. - compaction testing - parking lot	1,860.00	44051
17	MARCOM GROUP - web site hosting	95.00	44052
18	N.B. SALES - V-belt - #T-2	27.58	44053
19	NORTH KERN W.S.D. - Water/Master wages - July, August, September	1,650.00	44054
20	O'REILLY AUTO - wiper blades - #326	51.35	44055
21	P.G.&E. - office, lights, shop utilities	1,537.28	44056
22	PEDRO J. PEDROZA - survey Branch 1 realignment	3,795.00	44057
23	PACVAN INC. - office trailer rental	340.99	44058
24	PRINCIPAL LIFE INSURANCE - dental, vision, life insurance - 11/1 - 11/30/2020	4,760.04	44059
25	PROGRESSIVE TECH. - computer system support	1,928.15	44060
26	QUINN COMPANY - filters, repair DEF system - backhoe	960.55	44061
27	R & B COMPANY - corrugated pipe	2,181.47	44062
28	RANCHO TREE SERVICE - remove brush, trees from Es. Branch canal	4,875.00	44063
29	RKL SOLUTIONS - Sage 300 system support	585.00	44064
30	SAN JOAQUIN TRACTOR - blades - grader	541.25	44065
31	SPECTRUM - internet access	360.76	44066
32	SCHWEBEL PETROLEUM - SW/20 oil - 55 gal. drum	972.70	44067
33	SPARKLE - laundry, rugs, towels	1,259.61	44068
34	STINSON'S - office supplies, toner, paper, gloves	463.94	44069
35	TARGET - back pack sprayer, Cheetah, Torpedo	13,430.45	44070
36	VERIZON - cellphone invoice	14.10	44071
37	WATER WAYS - 15" PVC pipe	46.92	44072
38	WESTAIR - cylinder rentals, welding supplies	925.80	44073
39	PAYROLL #20	67,683.56	WIRE
40	WORKLOGIC #20	1,382.00	WIRE
41	EDD-STATE P/R #20	4,242.59	WIRE
42	EFT-IRS P/R #20	21,496.16	WIRE
43	LINCOLN LIFE - retirement program	11,188.34	WIRE

44	LINCOLN LIFE - deferred comp.	3,626.00	WIRE
45	MASS MUTUAL - deferred comp.	1,840.00	WIRE
46	PAYROLL #21	66,862.88	WIRE
47	WORKLOGIC #21	1,295.00	WIRE
48	EDD-STATE P/R #21	3,776.07	WIRE
49	EFT-IRS P/R #21	20,014.78	WIRE
50	LINCOLN LIFE - retirement program	11,048.35	WIRE
51	LINCOLN LIFE - deferred comp.	3,526.00	WIRE
52	MASS MUTUAL - deferred comp.	1,840.00	WIRE
53	PAYROLL #22	66,618.45	WIRE
54	WORKLOGIC #22	1,295.00	WIRE
55	EDD-STATE P/R #22	3,929.34	WIRE
56	EFT-IRS P/R #22	19,779.21	WIRE
57	LINCOLN LIFE - retirement program	11,045.45	WIRE
58	LINCOLN LIFE - deferred comp.	3,526.00	WIRE
59	MASS MUTUAL - deferred comp.	1,840.00	WIRE
60	WELLS FARGO BANK - annual principal and semi-annual interest payment	292,274.34	WIRE
61	PLACER TITLE CO - open escrow for Marlett property purchase	5,000.00	WIRE
OCTOBER 2020 TOTAL:		1,189,226.34	

#	PAYEE	AMOUNT	CHECK
62	A-1 ANSWERING SERVICE - answering service	495.82	44074
63	ADVANCED DISTRIBUTION CO. - wrench	25.26	44075
64	AMERIFUEL - fleet fuel 10/16/20 - 10/31/20	4,551.56	44076
65	KEVIN ANTONGIOVANNI - directors fee	300.00	44077
66	B&B SURPLUS, INC - flat bar	40.76	44078
67	BATTERY SYSTEMS, INC. - battery	122.85	44079
68	JOHN BIDART - directors fee	200.00	44080
69	BUDGET BOLT, INC. - nuts & bolts	160.88	44081
70	CITIZENS CARDMEMBER SERVICES - subscriptions, mail receptacle, lunches	4,525.07	44082
71	DONALD COLLINS - directors fee	200.00	44083
72	COUNTRY TIRE & WHEEL - tires	3,845.73	44084
73	ELITE SITE SERVICES - portable restroom rental	293.05	44085
74	FRED GARONE - directors fee	200.00	44086
75	GREENFIELD COUNTY WATER DIST. - water service	61.65	44087
76	HYDRAULIC CONTROLS, INC - seal kit	21.90	44088
77	JIM BURKE FORD- brake pad, rotors, water pump	564.88	44089
78	K&R TOWING - tow service #217	70.00	44090
79	DAVID KAISER - directors fee	300.00	44091
80	KERN COUNTY RECORDER- redemption fee	60.00	44092
81	V O I D E D C H E C K	0.00	44093
82	KRAZAN & ASSOC. - inspections	1,462.00	44094
83	LOWE'S BUSINESS ACCOUNT - lumber, plug, grinding wheel	7,157.23	44095
84	McMURTREY & HARTSOCK	13,125.00	44096
	State - \$140.00		
	Other- \$12,985.00		
85	JOEY MENDONCA - directors fee	100.00	44097
86	NATIONAL GROUND WATER ASSOCIATION - J. Marquez dues	115.00	44098
87	O'REILLY AUTO PARTS - brake pad	50.38	44099
88	PRICE DISPOSAL - trash service	13.22	44100

89	PACVAN INC. - temp. office rental	500.12	44101
90	RODNEY PALLA - directors fee	200.00	44102
91	PROGRESSIVE TECHNOLOGY, INC. - IT support	1,218.75	44103
92	QUINN COMPANY, INC. - backhoe rental, engine repair, parts	4,605.22	44104
93	RAY MORGAN COMPANY - Laserfiche support	900.00	44105
94	THE BAKERSFIELD CALIFORNIAN - publication	1,558.80	44106
95	RICHARD TILLEMA - directors fee	300.00	44107
96	TRANS-WEST - patrol service	1,726.45	44108
97	VACUSWEEP, LLC - parking lot sweep	300.00	44109
98	WEST COAST MAINTENANCE - cleaning service	685.00	44110
99	WESTAIR GASES & EQUIPMENT, INC. - cylinder rental	565.34	44111
100	UNITED AG BENEFIT TRUST - December 2020 medical insurance premium	31,238.65	44112
101	PAYROLL #23	66,856.79	WIRE
102	WORKLOGIC #23	1,406.00	WIRE
103	EDD-STATE P/R #23	3,937.70	WIRE
104	EFT-IRS P/R #23	19,550.68	WIRE
105	LINCOLN LIFE - retirement program	11,045.45	WIRE
106	LINCOLN LIFE - deferred comp.	3,526.00	WIRE
107	MASS MUTUAL - deferred comp.	1,840.00	WIRE
NOVEMBER SUBTOTAL		190,023.19	

KERN DELTA WATER DISTRICT & KDWBP
 Anticipated Payments - Month End - November 2020

Payee	Reason	November 2020
AMERIFUEL	Gas/Diesel fuel - 10/1/20 - 10/15/20	5,294.74
BLACK/HALL CONSTRUCTION	Construction progress billing	283,956.09
COUNTRY TIRE	Vehicle tires	425.83
COX, CASTLE & NICHOLAS	Legal services - Onyx Ranch Project	5,647.33
ELITE SITE SERVICES	Construction costs - monthly restrooms rental	2,413.13
HD SUPPLY	Shop supplies	200.00
HOME DEPOT	Shop supplies	65.00
JERRY & KEITH'S	Truck maintenance/repair	50.00
JIM BURKE	Truck maintenance/repair	525.19
K.C. WASTE	Dumping	1,186.20
KERN COUNTY RECORDER	Lien redemption fees	80.00
KRAZAN & ASSOC	Construction Testing/Inspection	1,860.00
LINCOLN FINANCIAL	Pension/deferred comp contributions	13,984.00
MARCOM GROUP	District web site support	95.00
MASSACHUSETTS MUTUAL	Deferred compensation	1,840.00
MOTOR CITY	Truck maintenance/repair	73.87
O'REILLY AUTO PARTS	Shop supplies	97.40
P.G.&E.	District office utilities	1,537.28
PEDRO PEDROZA	Surveying	2,528.00
PRINCIPAL LIFE INS.	Dental/vision/life insurance premium	4,760.04
PROGRESSIVE TECH.	IT and computer system support	2,257.25
QUINN	Motorgrader maintenance/repair	612.47
SCHWEBEL PETROLEUM	Oil/lubricants	972.70
SPARKLE	Uniform/laundry service	1,259.61
SPECTRUM	Internet access	360.76
SSD SYSTEMS	Office alarm monitoring	378.06
STINSON'S	Office supplies	601.07
TARGET	Weed control chemicals	10,000.00
VERIZON	Operations phones and cellular service	663.20
WATER WAYS INC	Pipe	46.92
WESTAIR	Welding supplies	500.00
		<u>344,271.14</u>

Tab III



BEFORE THE BOARD OF DIRECTORS OF
THE KERN DELTA WATER DISTRICT

IN THE MATTER OF:

RESOLUTION NO. 2020-08

LEVYING SPECIAL ASSESSMENTS
WITHIN ZONES OF BENEFIT

WHEREAS, Article 2 (commencing with Section 35532) of Chapter 2.5 of Part 5 of Division 13 of the Water Code of the State of California establishes a procedure whereby the District may adopt or amend zones of benefit for the purpose of fixing special acreage assessments pursuant to Article 3 (commencing with Section 35539) of Chapter 2.5 of Part 5 of Division 13 of the Water Code varied in accordance with the extent of benefits to each zone derived or to be derived from services to the land in each zone in order to cause just and equitable sharing among the District's landowners of all or any portion of the District's obligations for the next year; and

WHEREAS, Article 3 (commencing with Section 35539) of Chapter 2.5 of Part 5 of Division 13 of the Water Code of the State of California establishes a procedure whereby this District may levy a special assessment of an equal amount upon each acre of developed land, upon each acre of undeveloped land, or both, within the District or within zones established pursuant to Sections 35534 and 35535, in order to cause just and equitable sharing among the District's landowners of all or any portion of District obligations for the next year in excess of receipts from water charges as reflected in the annual estimate of obligations; and

WHEREAS, this Board of Directors has noticed and held a public hearing as to whether or not it is necessary to raise by special assessment the sum of \$504,066.00 in order to meet a portion of the estimated obligations of the District during 2021 attributable to general administration of the District; and

WHEREAS, this Board of Directors has noticed and held a public hearing as to whether or not it is also necessary to raise by special assessment the sum of \$98,723.00 in order to meet a portion of the estimated obligations of the District during 2021 attributable to general benefits of District participation in the California State Water Project.

WHEREAS, this Board of Directors has noticed and held a public hearing as to whether or not it is also necessary to raise by special assessment the approximate sum of \$411,978.00 in order to meet a portion of the estimated obligations of the District during 2021 attributable to specific benefits of District's participation in the California State Water Project.

NOW, THEREFORE, BE IT RESOLVED AND ORDERED by this Board of Directors as follows:

1. That all the foregoing is true and correct.
2. That the respective share of benefits received by Zones of Benefit Numbers 1 through 11, inclusive, the criteria for establishing each such zone, and the percentage of benefit applicable thereto are described in Exhibit "A" attached hereto and incorporated herein by this reference.
3. That there is levied a special assessment in the amount of \$4.34 upon each acre of developed and undeveloped land within the District in order to cause just and equitable sharing among the District's landowners of the portion of the District's obligations for 2021 in excess of receipts from water charges attributable to general administration of the District.
4. That there is levied a special assessment in the amount of \$.85 upon each acre of developed and undeveloped land within the District in order to cause just and equitable sharing among the District's landowners of the portion of the District's obligations for 2021 in excess of receipts from water charges attributable to general benefits of District participation in the California State Water Project.
5. That there is levied a special assessment in the amounts described below upon each acre of land within the Kern Delta Water District Zone Numbers 1 through 11, as described below, in order to cause just and equitable sharing among the District landowners of the portion of the District's obligations for 2021 in excess of receipts from water charges attributable to specific benefits of District's participation in the California State Water Project, to wit:
 - (a) Zone No. 1 - \$2.12 per acre;
 - (b) Zone No. 2 - \$1.36 per acre;
 - (c) Zone No. 3 - \$3.82 per acre;
 - (d) Zone No. 4 - \$4.63 per acre;
 - (e) Zone No. 5 - \$4.36 per acre;
 - (f) Zone No. 6 - \$0.00 per acre;
 - (g) Zone No. 7 - \$0.00 per acre;
 - (h) Zone No. 8 - \$0.00 per acre;
 - (i) Zone No. 9 - \$5.46 per acre;
 - (j) Zone No. 10 - \$0.00 per acre;
 - (k) Zone No. 11 - \$5.46 per acre;

6. That the levy of the special assessments described in paragraphs 3, 4 and 5 above, shall be and become effective on the first working day after the 32nd day following the adoption of this Resolution, to wit; December 21, 2020; provided however, that, if the Board receives a petition containing the signatures of persons holding title to 5% of the land area within the District before said date, the Board shall call an election of the qualified voters in the District and submit the Resolution to levy the special assessments to such voters, and no levy of assessment shall be made unless and until the election is held and the assessments are approved, in whole or in part, by a majority vote of the qualified voters of the District.

7. That the special assessments levied pursuant hereto shall be due December 31, 2020, shall be payable in one installment, and shall be delinquent if not paid on or before June 30, 2021.

8. That the District's staff be, and it hereby is, authorized and directed to collect said special assessments pursuant to the provision of Chapters 3,4, 5 and 6 of Part 7 of Division 13 of the California Water Code, all as prescribed in Section 35539.4 of said Code.

All the foregoing being on the motion of Director ____ , seconded by Director ____ and authorized by the following vote, to wit:

AYES:

NOES:

ABSTAIN:

ABSENT:

I HEREBY CERTIFY that the foregoing Resolution is the resolution of said District as duly passed and adopted by said Board of Directors the 17th day of November 2020.

WITNESS my hand and the Seal of said Board of Directors this 17th day of November 2020.

Rodney Palla
President of the Board of Directors

Richard Tillema
Secretary of the Board of Directors

EXHIBIT "A"

CRITERIA FOR ESTABLISHING
KERN DELTA WATER DISTRICT
ZONES OF BENEFIT NUMBERS 1 THROUGH 11

Through a contract with the Kern County Water Agency, Kern Delta Water District has been importing water from the California State Water Project since the early 1970's. Approximately eighty percent (80%) of the water imported to the District has been delivered to landowners within the District for crop irrigation. Canal seepage losses have accounted for about twenty percent (20%) of the imported water. Surface water deliveries to landowners have allowed an equal reduction in pumping from the groundwater basin underlying the District. Canal seepage directly recharges the groundwater basin underlying the District.

The combination of reduced groundwater pumping and recharge has resulted in an improvement in groundwater levels as opposed to levels which would now exist if no imported water had been brought into the District. The general benefits due to improved water level have been estimated at \$98,723.00 for 2021. The specific benefits due to improved water levels have been estimated at \$411,978.00 for 2021.

The zones of benefit herein established have been identified as areas of common groundwater pumping. The specific benefits realized by each such zone are proportional to the total amount of water pumped from the groundwater basin. The general benefits are realized equally by all lands within the District. The general and special benefits have been distributed to several zones as follows:

<u>ZONE</u>	<u>PERCENTAGE OF TOTAL BENEFIT</u>	
	<u>General</u>	<u>Special</u>
1	3.71%	2.22%
2	31.10%	11.93%
3	4.90%	5.28%
4	9.30%	12.14%
5	10.05%	12.36%
6	0.02%	0.00%
7	2.06%	0.00%
8	0.54%	0.00%
9	30.73%	47.30%
10	1.89%	0.00%
11	<u>5.70%</u>	<u>8.77%</u>
	100.00%	100.00%

AFFIDAVIT OF MAILING

STATE OF CALIFORNIA

Affidavit of Mailing

COUNTY OF KERN

I, Joan Thorne Casey, declare the following:

1. I am the Assessor for Kern Delta Water District
2. On or about September 18, 2020, I caused notice of a public hearing regarding the levying of special assessments to be mailed, by regular first-class mail. A copy of this notice, which is entitled, "Notice of Hearing Re Declaration of Necessity of Levying Special Assessments Within Zones of Benefit," is attached and incorporated herein by reference.
3. The above-referenced "Notice of Hearing Re Declaration of Necessity of Levying Special Assessments Within Zones of Benefit," was mailed to:
 - a. All landowners within the boundaries of the District, as listed on the District's Assessor's roll.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed this 18th day of September 2020, at Bakersfield, California.


Joan Thorne Casey

PROOF OF PUBLICATION

The BAKERSFIELD CALIFORNIAN
3700 PEGASUS DRIVE
BAKERSFIELD, CA 93308

KERN DELTA WATER DIST
501 TAFT HWY
BAKERSFIELD, CA 93307

Ad Number: 14741640 PO #:
Edition: CALC Run Times 2
Class Code Legal Notices
Start Date 9/25/2020 Stop Date 10/2/2020
Billing Lines 120 Inches 715.87
Total Cost \$ 3,139.68 Account 1KDE05
Billing KERN DELTA WATER DIST
Address 501 TAFT HWY
BAKERSFIELD,CA 93307

STATE OF CALIFORNIA
COUNTY OF KERN

I AM A CITIZEN OF THE UNITED STATES AND A RESIDENT
OF THE COUNTY AFORESAID: I AM OVER THE AGE OF
EIGHTEEN YEARS, AND NOT A PARTY TO OR INTERESTED
IN THE ABOVE ENTITLED MATTER. I AM THE ASSISTANT
PRINCIPAL CLERK OF THE PRINTER OF THE BAKERSFIELD
CALIFORNIAN, A NEWSPAPER OF GENERAL CIRCULATION,
PRINTED AND PUBLISHED DAILY IN THE CITY OF
BAKERSFIELD COUNTY OF KERN,

AND WHICH NEWSPAPER HAS BEEN ADJUDGED A
NEWSPAPER OF GENERAL CIRCULATION BY THE SUPERIOR
COURT OF THE COUNTY OF KERN, STATE OF CALIFORNIA,
UNDER DATE OF FEBRUARY 5, 1952, CASE NUMBER 57610;
THAT THE NOTICE, OF WHICH THE ANNEXED IS A PRINTED
COPY, HAS BEEN PUBLISHED IN EACH REGULAR AND
ENTIRE ISSUE OF SAID NEWSPAPER
AND NOT IN ANY SUPPLEMENT THEREOF ON THE
FOLLOWING DATES, TO WIT:

9/25/20

10/2/20

ALL IN YEAR 2020

I CERTIFY (OR DECLARE) UNDER PENALTY OF PERJURY
THAT THE FOREGOING IS TRUE AND CORRECT.



DATED AT BAKERSFIELD CALIFORNIA

10/2/20

Solicitor I.D.: 0

First Text
BEFORE THE BOARD OF DIRECTORS OF KERN DI

Ad Number 14741640

RECEIVED
OCT - 5 2020
KDWD

BEFORE THE BOARD OF DIRECTORS OF
KERN DELTA WATER DISTRICT

IN THE MATTER OF RESOLUTION 2020-07

NOTICE OF HEARING RE DECLARATION OF
NECESSITY OF LEVYING SPECIAL ASSESSMENTS
WITHIN ZONES OF BENEFIT, AND DECLARATION
THAT A PUBLIC HEARING SHALL BE HELD THEREON

WHEREAS, this Board of Directors duly adopted its Resolution No. 82-08 establishing Kern Delta Water District Zones of Benefit Number 1 through 11 on September 22, 1982 for the purpose of fixing special acreage assessments in accordance with the extent of benefits derived or to be derived from services to the land in each such zone arising from the District's plan of irrigation works and the plan of allocation of imported water in the District; and

WHEREAS, Article 2 (commencing with Section 35532) of Chapter 2.5 of Part 5 of Division 13 of the Water Code of the State of California establishes a procedure whereby the District may establish zones of benefit for the purpose of fixing special acreage assessments pursuant to Article 3 (commencing with Section 35539) of Chapter 2.5 of Part 5 of Division 13 of the Water Code varied in accordance with the extent of benefits to each zone derived or to be derived from services to the land in each zone in order to cause just and equitable sharing among the District's landowners of all or any portion of the District's obligations for the next year; and

WHEREAS, Article 3 (commencing with Section 35539) of Chapter 2.5 of Part 5 of Division 13 of the Water Code of the State of California establishes a procedure whereby this District may levy a special assessment of an equal amount upon each acre of developed land, upon each acre of undeveloped land, or both, within the District or within zones established pursuant to Sections 35534 and 35535, in order to cause just and equitable sharing among the District's landowners of all or any portion of District obligations for the next year in excess of receipts from water charges as reflected in the annual estimate of obligations; and

WHEREAS, this Board of Directors finds and determines that it is necessary to collect by special assessment the approximate sum of \$504,066 in order to meet a portion of the estimated obligations of the District during 2021 attributable to general administration of the District; and

WHEREAS, this Board of Directors finds and determines that it is also necessary to collect by special assessment the approximate sum of \$98,723 in order to meet a portion of the estimated obligations of the District during 2021 attributable to general benefits of District's participation in the California State Water Project; and

WHEREAS, this Board of Directors finds and determines that it is also necessary to collect by special assessments the approximate sum of \$411,978 in order to meet a portion of the estimated obligations of the District during 2021 attributable to specific benefits of District's participation in the California State Water Project; and

NOW, THEREFORE, BE IT RESOLVED AND ORDERED by this Board of Directors as follows:

1. That all the foregoing is true and correct.
2. That the respective share of benefits received by Zones of Benefit Numbers 1 through 11, inclusive, the criteria for establishing each such zone, and the percentage of benefit applicable thereto are described in Exhibit "A" attached hereto and incorporated herein by this reference.
3. That it is necessary to levy a special assessment in the amount of \$4.34 upon each acre of developed and undeveloped land within the District in order to cause just and equitable sharing among the District's landowners of the portion of the District's obligations for 2021 in excess of receipts from water charges attributable to general administration of the District.
4. That it is necessary to levy a special assessment in the amount of \$0.85 upon each acre of developed and undeveloped land within the District in order to cause just and equitable sharing among the District's landowners of the portion of the District's obligations for 2021 in excess of receipts from water charges attributable to general benefits of District participation in the California State Water Project.
5. That it is necessary to levy a special assessment in the amounts described below upon each acre of land within the Kern Delta Water District Zone Numbers 1 through 11, as described below, in order to cause just and equitable sharing among the District landowners of the portion of the District's obligations for 2021 in excess of receipts from water charges attributable to specific benefits of District's participation in the California State Water Project, to wit (UNCHANGED FROM CALENDAR YEAR 2020):

(a) Zone No. 1	\$2.12 per acre
(b) Zone No. 2	\$1.36 per acre
(c) Zone No. 3	\$3.82 per acre
(d) Zone No. 4	\$4.63 per acre
(e) Zone No. 5	\$4.36 per acre
(f) Zone No. 6	\$0.00 per acre
(g) Zone No. 7	\$0.00 per acre
(h) Zone No. 8	\$0.00 per acre
(i) Zone No. 9	\$5.46 per acre
(j) Zone No. 10	\$0.00 per acre
(k) Zone No. 11	\$5.46 per acre
6. That to determine total special assessment for each acre of land, add individual amounts from paragraphs 3, 4 and 5 above.
7. That a public hearing on the necessity of levying the above-referenced special assessments shall be held at 1:30 p.m., on Tuesday, November 17, 2020, virtually on Go To Meeting, which may be accessed online by visiting <https://global.gotomeeting.com/join/919703109> or by calling 1 (408) 650-3123 and using access code 118-107-221.
8. That the District's staff be, and they hereby are, authorized and directed to cause a copy of this resolution to be published pursuant to Section 6066 of the Government Code in The Bakersfield Californian, a newspaper of general circulation published in the county in which District lands are located, and to mail, postage prepaid, a copy of this resolution to each holder of title to land within the District as shown upon the last equalized assessment roll of the County of Kern.

All of the foregoing being on the motion of Director Antongiovanni, seconded by Director Bidart and authorized by the following vote, to wit:

AYES: Antongiovanni, Bidart, Collins, Garone, Kaiser, Mendonca, Palla, Spitzer, Tillman.

NOES:

ABSTAIN:

ABSENT:

I HEREBY CERTIFY that the foregoing Resolution is the resolution of said District as duly passed and adopted by said Board of Directors the 15th day of September 2020.

WITNESS my hand and the Seal of said Board of Directors this 15th day of September 2020.

Richard Tillman
Secretary of the Board

EXHIBIT "A"
CRITERIA FOR ESTABLISHING
KERN DELTA WATER DISTRICT

ZONES OF BENEFIT NUMBERS 1 THROUGH 11

Through a contract with the Kern County Water Agency, Kern Delta Water District has been importing water from the California State Water Project since the early 1970's. Approximately eighty percent (80%) of the water imported to the District has been delivered to landowners within the District for crop irrigation. Canal seepage losses have accounted for about twenty percent (20%) of the imported water. Surface water deliveries to landowners have allowed an equal reduction in pumping from the groundwater basin underlying the District. Canal seepage directly recharges the groundwater basin underlying the District.

The combination of reduced groundwater pumping and recharge has resulted in an improvement in groundwater levels as opposed to levels which would now exist if no imported water had been brought into the District. The general benefits due to improved water level have been estimated at \$98,723 for 2021. The specific benefits due to improved water levels have been estimated at \$411,978 for 2021.

The zones of benefit herein established have been identified as areas of common ground water pumping. The specific benefits realized by each such zone are proportional to the total amount of water pumped from the groundwater basin. The general benefits are realized equally by all lands within the District. The general and special benefits have been distributed to several zones as follows:

PERCENTAGE OF TOTAL BENEFIT

ZONE	General	Specific
1	3.71%	2.22%
2	31.14%	11.93%
3	4.90%	5.28%
4	9.30%	12.14%
5	10.05%	12.37%
6	0.02%	0.00%
7	2.06%	0.00%
8	0.54%	0.00%
9	30.73%	47.30%
10	1.89%	0.00%
11	5.20%	8.77%
	100%	100%



BUSINESS & FINANCE 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/374180877>

You can also dial in using your phone.

United States: +1 (408) 650-3123 Access Code: 374-180-877

THURSDAY, NOVEMBER 12, 2020
10:00AM

A G E N D A

- 1. Call to order**
- 2. Public Comment Period**
- 3. Approve Minutes of October 15, 2020 Business & Finance Committee Meeting**
- 4. Financial Reports and Accounts Payable:**
 - a. Approve October and November Accounts Payable
 - b. Approve October 2020 Financial Reports
- 5. District Controllers Report:**
 - a. Employee Benefits Open Enrollment
 - b. Public Hearing Review
 - c. 2015A COPs Refinancing
 - d. Assessment Roll Review
- 6. Adjourn**

A handwritten signature in black ink, appearing to read "Bryan Duncan", with a long horizontal line extending to the right.

Bryan Duncan
District Controller

Posted: Monday November 9, 2020
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.



DRAFT MINUTES OF THE BUSINESS & FINANCE COMMITTEE
Thursday, November 12, 2020

DIRECTORS PRESENT: Antongiovanni

DIRECTORS PRESENT VIA VIDEO: Bidart, 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 10:01 A.M.

2. PUBLIC COMMENTS

None.

3. APPROVAL OF PREVIOUS COMMITTEE MEETING MINUTES

- a. **M/S/C (Tillema/Bidart) (yes – 3, no – 0):** By roll call vote, the Business & Finance Committee approved the minutes of the Business & Finance Committee meeting held on October 15, 2020.

4. FINANCIAL REPORTS AND ACCOUNTS PAYABLE

a.- b. Approval of October and November 2020 Accounts Payable and October 2020 Financial Reports.

M/S/C (Bidart/Tillema) (yes – 3, no – 0): By roll call vote, the Business & Finance Committee recommends the Board approve the October and November 2020 District Accounts Payable Invoices, the anticipated November 2020 end of month Accounts Payable Invoices, and the October 2020 District and Water Banking Project Financial Statements, Treasurer's Reports, and Delinquency Report as amended.

5. DISTRICT CONTROLLER'S REPORT

- a. Staff provided a brief update regarding open enrollment for District employee health benefits.
- b. Staff provided a brief update regarding the Public Hearing set for November 17, 2020 to levy the 2021 special assessments.
- c. Staff reported on research relative to the possibility of early redemption of the 2015A COPs. Staff recommends the District revisit early redemption when the indenture allows for such action in December 2024.
- d. Staff discussed and provided a brief update regarding the annual Assessment Roll Review in anticipation of the 2021 assessment billing in December.

6. ADJOURN

Chair Antongiovanni adjourned the meeting at 10:37 A.M.

Respectfully submitted,

Kevin Antongiovanni – Chair

**Kern Delta Water District
Balance Sheet
As of October 31, 2020**

<u>Assets</u>	<u>October 31, 2020</u>	<u>September 30, 2020</u>	<u>Month-to- Month Variance</u>
Current Assets:			
Cash & Securities in Bank	\$ 21,826,115	\$ 22,259,082	\$ (432,967)
Accounts Receivable	154,739	370,603	(215,864)
Due From KDWP	-	-	-
Inventories & Prepaid Expenses	156,305	89,511	66,794
Total Current Assets	<u>22,137,159</u>	<u>22,719,196</u>	<u>(582,037)</u>
Fixed Assets			
District Structures, Rights of Way	\$ 13,675,374	\$ 13,674,758	\$ 616
Construction in Progress	993,363	747,956	\$ 245,407
CVC Expansion	8,622,495	8,622,495	-
Machinery & Equipment	1,526,630	1,526,630	-
	<u>24,817,862</u>	<u>24,571,839</u>	<u>246,023</u>
Accumulated Depreciation	<u>(6,571,284)</u>	<u>(6,536,284)</u>	<u>(35,000)</u>
Net Fixed Assets	<u>18,246,578</u>	<u>18,035,555</u>	<u>211,023</u>
Investment in Joint Powers Authority	\$ 27,482	\$ 27,482	\$ -
Investment in MET Program	8,890,130	8,890,130	-
Total Assets	<u>\$ 49,301,350</u>	<u>\$ 49,672,363</u>	<u>\$ (371,013)</u>
<u>Liabilities & Equity</u>			
Current Liabilities:			
Trade Accounts Payable	\$ 84,893	\$ 238,211	\$ (153,317)
Accrued Liabilities	161,724	129,354	32,370
Total Current Liabilities	<u>246,617</u>	<u>367,565</u>	<u>(120,948)</u>
Long-Term Liabilities:			
Bonds & COP Borrowing	\$ 4,015,000	\$ 4,230,000	\$ (215,000)
Bonds Premium & Costs	168,032	168,032	-
Total Long-Term Liabilities	<u>4,183,032</u>	<u>4,398,032</u>	<u>(215,000)</u>
Total Liabilities	<u>4,429,649</u>	<u>4,765,596</u>	<u>(335,948)</u>
Equity:			
Equity From Past Years	\$ 44,371,448	\$ 44,371,448	\$ -
Accumulative Equity - Current Year	500,253	535,319	(35,066)
Total Liabilities & Equity	<u>\$ 49,301,350</u>	<u>\$ 49,672,363</u>	<u>\$ (371,014)</u>

Kern Delta Water District
Cash Variance Analysis
October 31, 2020

Cash Received:

Accounts Receivable Collections	498,255
Share of Property Tax Receipts	157,899
Interest Received	67,676
	<hr/>
	723,830
	<hr/>

Cash Disbursed:

Accounts Payable Paid	(564,537)
Wells Fargo COP Interest	(77,274)
Wells Fargo COP Principal	(215,000)
Payrolls Paid	(299,985)
	<hr/>
	(1,156,796)
	<hr/>

Net positive/(negative) variance	<hr/>
	(432,967)
	<hr/>

Kern Delta Water District
Accounts Receivable Variance Analysis
October 31, 2020

Revenue Added to Accounts:

Water Sales - Utility Water	91,112
District Wells Revenue	376
NKWSD 4th Qtr	182,750
Other Misc Revenues	8,154
	<hr/>
	282,391
	<hr/>

Cash Received on Account:

Water Payments	(174,578)
Misc Payments	(317,344)
Assessments Payments	(6,333)
	<hr/>
	(498,255)
	<hr/>
Interest Payments	-
	<hr/>
	(498,255)
	<hr/>
	<hr/>
Net positive/(negative) variance	(215,864)
	<hr/>

**Kern Delta Water District
Inventory/Prepays Variance Analysis
October 31, 2020**

Additions to Accounts:

Weed Control Chemicals Purchased	31,389
Prepaid Additions	85,054
	<hr/>
	116,443

Usage/Amortization:

Chemicals Consumed During Month	(40,654)
Amortization of Prepaid Accounts	(8,995)
	<hr/>
	(49,649)

Net positive/(negative) variance	<hr/>
	66,794

Kern Delta Water District
Operating Results - Year To Date
Through the Month Ended October 31, 2020

	Actual Current Month	Actual Year to Date	Annual Budget	YTD as % of Annual Budget (Target is 83%)	Budget Remaining
REVENUES:					
State water sales	\$ -	\$ 843,625	\$ 996,706	85%	\$ 153,081
Utility water sales	91,215	1,769,777	3,214,297	55%	1,444,520
COB/Cal Water/GCWD Revenue	-	669,014	816,000	82%	146,986
Equalization	-	9,147	9,147	100%	0
Assessments	(15)	1,013,038	1,014,767	100%	1,729
Share of county tax	157,899	2,549,648	4,316,386	59%	1,766,738
ILRP Contract Revenue	-	-	-		-
Interest income	67,676	347,425	320,000	109%	(27,425)
Other income	2,096	184,137	175,000	105%	(9,137)
Water Transfer Charges	182,750	731,000	731,000	100%	-
Water Banking Expense Reimbursement	-	-	150,000	0%	150,000
Total income	\$ 501,620	\$ 8,116,811	\$ 11,743,303	69%	\$ 3,626,493
EXPENDITURES:					
Source of supply:					
State water costs	\$ -	\$ 2,492,870	\$ 2,725,000	91%	\$ 232,130
Exchange fees	-	-	76,500	0%	76,500
Watermaster, City, Isabella	10,150	165,935	361,400	46%	195,465
Miscellaneous source costs	1,400	44,430	500,000	9%	455,570
Total Source of supply	\$ 11,550	\$ 2,703,235	\$ 3,662,900	74%	\$ 959,665
Transmission and Distribution:					
Labor	\$ 208,473	\$ 2,026,236	\$ 2,217,409	91%	\$ 191,173
Employee benefits	72,116	621,654	741,811	84%	120,157
Maintenance & Repairs	77,224	767,908	1,141,803	67%	373,895
Total Transmission and Distribution	\$ 357,812	\$ 3,415,797	\$ 4,101,023	83%	\$ 685,226
Administrative & other costs:					
Engineering consultant	\$ -	\$ 3,300	\$ 50,000	7%	\$ 46,700
Legal consultants	1,645	102,942	250,000	41%	147,058
Special legal/engineering	17,127	182,078	100,000	182%	(82,078)
Kern River GSA	-	-	200,000	0%	200,000
Insurance	7,957	124,209	163,663	76%	39,454
Office operations	24,315	271,004	327,313	83%	56,309
Special expenses (see Footnote below):	-	243,713	557,518	44%	313,805
Construction Expense - Peripheral	4,004	35,865	-		
Bond Interest expense	77,274	154,124	138,863	111%	(15,261)
Depreciation	35,000	380,292	492,000	N/A	111,708
Total administrative & other	\$ 167,323	\$ 1,497,525	\$ 2,279,357	66%	\$ 817,697
Total expenses	\$ 536,686	\$ 7,616,557	\$ 10,043,280	76%	\$ 2,426,723
Net Fav/(Unfav) Operating Results	\$ (35,066)	\$ 500,253	\$ 1,700,023		\$ 1,199,770

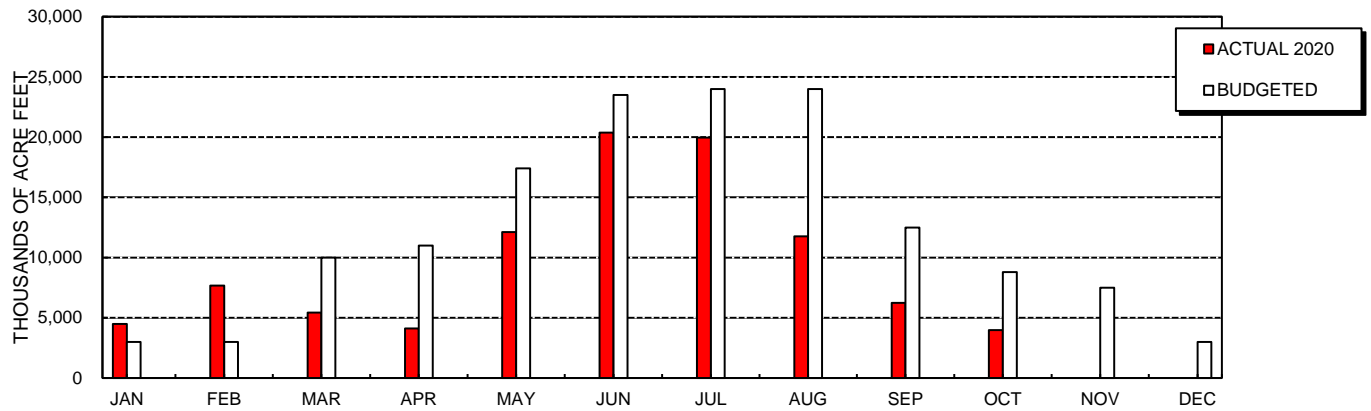
TREASURER'S REPORT

October 2020

	2020	2019	2018	2017
Cash & Securities on hand - October 1	\$ 22,259,082	\$ 18,491,672	\$ 16,987,339	\$ 14,668,252
Add: October receipts	656,939	2,107,153	452,966	530,436
Less: October disbursements	1,089,906	845,423	424,957	1,727,657
Cash & Securities on hand - October 31, 2020	\$ 21,826,115	\$ 19,753,402	\$ 17,015,347	\$ 13,471,031
<div> <div>Petty Cash</div> <div>\$ 500</div> </div> <div> <div>Citizens Business Bank</div> <div>365,028</div> </div> <div> <div>Kern County Treasury</div> <div>20,710,587</div> </div> <div> <div>CBB Trust/LPL Financial</div> <div>750,000</div> </div> <div> <div>\$ 21,826,115</div> </div>				
Restricted Reserves:				
Restricted Reserve Fund - General Manager	\$ (300,000)	\$ (300,000)	\$ -	\$ -
Unrestricted Reserves:				
Employee Medical/Dental Benefits	(80,929)	(150,383)	(186,193)	(211,386)
Pipeline Maintenance	(213,845)	(213,845)	(213,845)	(213,845)
Water Rights Protection & Litigation Reserve	(3,049,034)	(3,245,934)	(3,303,755)	(3,425,955)
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	\$ (18,158,808)	\$ (4,282,762)	\$ (4,076,393)	\$ (4,223,786)
Cash Available - October 31, 2020	\$ 3,667,307	\$ 15,470,640	\$ 12,938,955	\$ 9,247,245

**Kern Delta Water District
Monthly Water Sales Volume
in Acre Feet**

	2019	2020										
	Actual (Accum- ulated)	Budgeted		Actual								
		Monthly	(Accum- ulated)	Monthly				Accumulated				% of Budget
				Utility	State	Contracts	Total	Utility	State	Contracts	Total	
JAN	5,974	3,000	3,000	4,371	0	117	4,488	4,371	0	117	4,488	150%
FEB	8,134	3,000	6,000	7,356	0	325	7,681	11,727	0	442	12,169	203%
MAR	14,331	10,000	16,000	5,018	0	413	5,431	16,744	0	855	17,600	110%
APR	30,287	11,000	27,000	3,719	0	394	4,114	20,464	0	1,250	21,713	80%
MAY	45,512	17,400	44,400	11,042	700	384	12,126	31,506	700	1,634	33,840	76%
JUN	72,976	23,500	67,900	12,816	7,151	413	20,379	44,322	7,850	2,046	54,218	80%
JUL	101,995	24,000	91,900	17,539	2,128	297	19,964	61,861	9,979	2,343	74,182	81%
AUG	127,068	24,000	115,900	10,285	1,193	278	11,756	72,146	11,171	2,621	85,938	74%
SEP	141,308	12,500	128,400	5,951	57	232	6,240	78,097	11,228	2,854	92,178	72%
OCT	150,924	8,800	137,200	3,796	0	183	3,980	81,893	11,228	3,037	96,158	70%
NOV	156,390	7,500	144,700				0					
DEC	157,506	3,000	147,700				0					



KERN DELTA WATER DISTRICT

Aged Accounts Receivable

Past Due Accounts

November 17, 2020

Account	Name	0-30 Days	31-60 Days	61-90 Days	Over 90 Days	Total Past Due
592	Costa, Joe & Mary	482.12	2.00			484.12
887	Forney, Bruce	5.08	5.01	4.93	329.23	344.25
3297	Kern High School District	238.24	-	-	-	238.24
3529	Sanchez, Alfredo Hernandez	299.30	-	-	-	299.30
3713	Cruz, Juan Carlos & Nancy	197.62	218.16	73.57	-	489.35
5479	Olascoaga, Gonzalo	185.55	-	-	-	185.55
5484	Gutierrez, Magdaleno et al	152.25	-	-	-	152.25
	OTHER	135.92	42.32	108.28	-	286.52
		1,696.08	267.49	186.78	329.23	2,479.58

**Kern Delta Water Banking Project
Balance Sheet
October 31, 2020**

Assets

	October 31, 2020	September 30, 2020	Month-to- Month Variance
Current Assets:			
Cash & Securities in Bank	\$ 13,537,474	\$ 13,697,846	\$ (160,372)
Due from Metropolitan Water District	-	-	-
Inventory and Prepaids	95,635	95,635	-
Total Current Assets	\$ 13,633,109	\$ 13,793,481	\$ (160,372)
Fixed Assets at cost less depreciation:			
All structures	\$ 59,229,215	\$ 58,920,642	\$ 308,573
Machinery and equipment	418,064	418,064	-
	\$ 59,647,279	\$ 59,338,706	\$ 308,573
Less: Accumulated depreciation	(10,167,484)	(10,073,484)	(94,000)
Total fixed assets	\$ 49,479,795	\$ 49,265,222	\$ 214,573
Total Assets	<u>\$ 63,112,904</u>	<u>\$ 63,058,703</u>	<u>\$ 54,201</u>

Liabilities & Equity

Current Liabilities:			
Trade accounts payable	\$ -	\$ -	\$ -
Total current liabilities	\$ -	\$ -	\$ -
Equity:			
Contributions to equity - KDWD (Land purchases)	\$ 8,890,130	\$ 8,890,130	\$ -
Equity from past years	55,876,911	55,876,911	-
Equity enhanced this year	(1,654,137)	(1,708,338)	54,201
Total Equity	\$ 63,112,904	\$ 63,058,703	\$ 54,201
Total Liabilities & Equity	<u>\$ 63,112,904</u>	<u>\$ 63,058,703</u>	<u>\$ 54,201</u>

Kern Delta Water Banking Project
Cash Variance Analysis
October 31, 2020

Cash Received:

Received From KDWD - CVC Ops/Power	55,627
Received From ID#4 - CVC Ops/Power	55,627
Misc Credits	457
Interest Received	44,166
	<hr/>
	155,876

Cash Disbursed:

Accounts Payable Paid	(7,218)
Poncetta Property Purchase	(304,030)
Marlett Property - Open Escrow	(5,000)
	<hr/>
	(316,248)
	<hr/>
Net positive/(negative) variance	(160,372)

**Kern Delta Water Banking Project
Statement of Operating Results
Through the Period Ended October 31, 2020**

	Current Month	Year to Date
REVENUE:		
MET Revenues	\$ -	\$ 892,671
Water Sales	-	-
Interest Income	44,166	183,288
Total of all income	\$ 44,166	\$ 1,075,959
Transfer and Exchange Fees:		
Exchange Fees	\$ -	\$ 7,400
Wheeling Fees	-	-
Total Exchange Fees	\$ -	\$ 7,400
Other Costs		
Power - KB1-8, KDW1-2	\$ 1,633	\$ 842,698
Power - AE1, AE2, AE3, AE4	832	169,152
Power - BV1, BV2, BV3, BV4, BV5	215	170,763
CVC Operating Costs	(110,478)	436,591
CVC Power Costs	(776)	3,857
O&M Spreading	-	137,924
Other O&M & Miscellaneous Costs	4,537	21,711
Legal & Accounting	-	-
Depreciation	94,000	940,000
Total Other Costs	\$ (10,035)	\$ 2,722,696
Total all expenses	<u>\$ (10,035)</u>	<u>\$ 2,730,096</u>
Favorable/(Unfavorable) Operating Results	<u>\$ 54,201</u>	<u>\$ (1,654,137.06)</u>

KERN DELTA WATER BANKING PROJECT

TREASURER'S REPORT

October

	2020	2019	2018	2017
Cash & Securities on hand - October 1, 2020	\$ 13,697,846	\$ 9,397,035	\$ 9,476,455	\$ 8,930,381
Add: October receipts	502,456	1,794,151	162,455	542,521
Less: October disbursements	662,828	1,039,771	61,006	45,584
Cash & Securities on hand - October 31, 2020	\$ 13,537,474	\$ 10,151,414	\$ 9,577,904	\$ 9,427,318
Citizens Business Bank	\$ 457,962			
LPL Financial	250,000			
Kern County Treasury	12,829,512			
\$ 13,537,474				
Restricted Cash included in above:				
OM&R Spreading	\$ 901,305	\$ 518,813	\$ (574,976)	
OM&R Extraction	(107,951)	(137,772)	(189,289)	
OM&R CVC/Delivery Canal	(3,534,492)	(3,225,816)	(3,318,405)	
Take/Put Fees	(4,852,365)	(4,382,706)	(648,255)	
Total Restricted	\$ (7,593,503)	\$ (7,227,481)	\$ (4,730,925)	
Cash Available for Construction - October 31, 2020	\$ 5,943,972	\$ 2,923,933	\$ 4,846,980	

Tab IV





**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/293699485>

You can also dial in using your phone.

United States: +1 (408) 650-3123 Access Code: 293-699-485

TUESDAY, NOVEMBER 3, 2020
10:30 AM

A G E N D A

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 October 6, 2020
- b. Encroachment Permit Update
- c. District Facility and Banking Maintenance
- d. District Office Construction Update
- e. Sunset Basins Design Update
- f. Approve Branch 1 Canal Pipeline Request at Hosking Road and Hughes Lane
- g. Monitoring Well Acceptance Procedure
 - Loyola Properties Request
- h. Water Banking Construction and Power Invoices

4. Adjourn

Adjourn

A handwritten signature in blue ink that reads "Chris Bellue".

Chris Bellue
Assistant General Manager

Posted: Friday, October 30, 2020
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.



**DRAFT MINUTES OF THE
OPERATIONS AND PROJECTS COMMITTEE**

Tuesday, November 3, 2020

Tuesday, November 3, 2020, 10:32 A.M. – 11:48 P.M.

DIRECTORS PRESENT: Collins

DIRECTORS PRESENT VIA CALL-IN: Kaiser, Spitzer

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

1. PUBLIC COMMENTS

None.

2. ASSISTANT GENERAL MANAGER'S REPORT:

- a. Approve minutes of the Operations and Projects Committee Meeting of October 6, 2020: M/S/C (Kaiser/Spitzer) (yes-3, no-0): By roll call vote, the Committee approved the minutes of the October 6, 2020 Operations and Projects Committee Meeting.
- b. Encroachment Permit Update: Mr. Bellue presented two encroachment permits, one of which included the installation of a private canal crossing on the 15 Ditch north of Pacheco Road. and a second being a County request to use the Eastside Canal for access to improve Edison Road.
- c. District Facility and Banking Maintenance: Mr. Bellue discussed several items of note including removing sediment from the Eastside Canal at Gage St. and hauling riprap gathered from the Del Oro High School property to the DiGiorgio Basins for future use as slope protection.
- d. District Office Construction Update: Mr. Bellue provided an update on the current schedule and budget status for the District office expansion project. Mr. Teglia discussed a pending change order involving roofing improvements that will be brought to the Regular Board Meeting for approval.
- e. Sunset Basins Design Update: Mr. Bellue presented an update on the status of the design of the Sunset Recharge Facility. Mr. Bellue conveyed the proposed design presented maximizes gravity banking and will be developed further into a complete plan set.
- f. Approve Branch 1 Canal Pipeline Request at Hosking Road and Hughes Lane: Staff received direction to bring back the Ditch Eradication, Pipeline and Common Use Agreement to the regular Board meeting for approval. The project is on schedule to be

constructed in the 2020-2021 offseason provided the agreement is executed and fees are paid.

- g. Monitoring Well Acceptance Procedures: Staff presented a draft policy regarding the District's acceptance of inactive wells for inclusion into the District's monitoring network. Staff received input/edits to include in the policy, which will be presented to the full Board during their November 17, 2020 meeting.
- h. Water Banking Construction and Power Invoices: **M/S/C (Kaiser/Spitzer) (yes-3, no-0):** By roll call vote, the Committee recommends the Board approve payment of Water Banking and Power Invoices totaling \$1,863.21 (plus additional PG&E well energy costs). See the attached November 17, 2020 Invoice and Disbursements memo to the Board for a full breakdown of the Invoices.

Meeting was adjourned at 11:48 A.M.

Respectfully Submitted,

Donald Collins – Chair

Maintenance Report

October 2020

1. **Structure and Turnout Repairs.** The following jobs were completed during the month;
 - a. Cleaning around turnouts to improve flow on the BV Canal
 - b. Remove dilapidated pipe on 15 Ditch at Herring Road, reposition pipeline and install new 24" HDPE Pipe
 - c. Re-install 15" pipeline at the Romero Basins (Well No. FR2 discharge pipe into Randal Ditch)
 - d. Tree removal on East Branch to improve flow rates
 - e. Rebuild steel supports in two weirs on BV (6-0-519 & 525)
 - f. Cleaning of culverts and lowering of bottom of canal at Lake St. & Gage St. on Eastside Canal to improve flow
2. **Shop.** The following jobs were completed during the month;
 - a. Normal service and repairs on District vehicles and equipment.
 - b. Repairs to Trailer #T11 (ramp repair)
 - c. Repair Motor Grader (Sloper attachment pins & ram repair)
 - d. Replace rear frame on John Deere Mower
 - e. Replace fuel tank on Backhoe #402
 - f. Repairs to brake system on vehicles #210 & 211
 - g. Repair to toolboxes on equipment # 224 & 225
3. **District Wells.**
 - a. Monthly service and inspection of all District Wells to check dripper operation
4. **Motor Grader # 403** The following canals were sloped and roads graded;
 - a. Finish sloping the BV East, BV West and the BV Canal
5. **Backhoe # 402** The following jobs were completed during the month;
 - a. Clean turnouts, weirs and built-up areas of BV Canal for turnout repairs
 - b. Piping installations on 15 Ditch & FR2 Pipeline
 - c. Load and haul Riprap from High School development property to DiGiorgio Basins for future use
6. **Backhoe # 404** The following jobs were completed this month;
 - a. Removed debris from Central, East Branch and Eastside Canals
7. **Weed Spraying.** The following canals were sprayed during the month;
 - a. BV Canal Bottoms, 18 N&S, 13 Ditch, Kern Island, 20", Randal and Branch 1
8. **Aquatic Treatments.** Treatments including surface spraying for algae mats and injection treatments for control of algae or vascular aquatic weeds; Treatments were made to the Central, 13 Ditch, 18 N&S and Kern Island Canals
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
- b. Removed debris with both trash trucks from the Kern Island, Eastside, Central, Branch 1 and haul to the landfill
- c. Remove brush and trees on the Eastside and East Branch Canals
- d. Removal of overgrown brush and trees between Madison & Casa Loma on East Branch

11. Fence Repairs. Fences and Gates were repaired at the following locations;

- a. Kern Island – 30th St., 34th St. and Columbus
- b. Branch 1 – Hughes and White Lane
- c. Central – East Terrace Way, South Gate and Madison
- d. Stine – California, Chester Lane, Garnsey and Gosford
- e. Eastside – 30th, 34th St., Columbus, Kentucky, Lake St.

12. Safety Meetings. Weekly tailgate safety topics were;

- a. Awareness of our surroundings
- b. District house keeping
- c. Near misses from the week
- d. Job site safety
- e. Eye protection at the work sites

13. Water Banking Activities. The following jobs were completed during the month;

- a. Mowing weeds in cells of basins (finish BV Basins and start DiGiorgio Basins)
- b. Weed spraying with spray trailer on BV and DiGiorgio Basin
- c. Install pipeline that was removed for basin repair in the Romero North East Basin which ran from FR2 Well to the Randal Canal

14. Future Projects. The following projects will be completed as time and scheduling permit:

- a. Repair dilapidated turnouts, gates, piping, and crossings in the Farmers and Eastside Canals
- b. Remove soil deposits from Eastside Canal in the Gage Street area.
- c. Install meters on Stine Canal at Bladder Basin
- d. Paint refurbished weirs on BV Canal (6-0-519 & 525)
- e. Install 40' of HDPE pipe on Farmers to replace dilapidated pipe crossing

15. Future Water Banking Projects.

- a. Install permanent staff gauges and signage in basins
- b. Place riprap around eroded entrance structures as needed at DiGiorgio Basin
- c. Mow and remove trees at DiGiorgio Basin
- d. Mow weeds at Met, when dry enough to get equipment in basin
- e. Spray weeds and Typha (cattails), with new trailer mount system after mowing Met Basins



To: Kern Delta Water District Board of Directors

From: Steven Teglia

Date: November 17th, 2020

Re: Encroachment Permit Applications

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: FTB Trucking

Location: Farmers Canal (15 Ditch) North of Pacheco

Purpose: Install private canal crossing

Anticipated Start Date: TBD

Organization: County of Kern

Location: Eastside Canal – Along Edison Road

Purpose: County requests District to sign permit to enter and construct for road improvements on Edison Road

Anticipated Start Date: TBD



ALTERNATIVE 1 LARGE LOW POND & PUMP CHART

WET AREA (PUMPED)
= 70.08 AC

WET AREA (GRAVITY)
= 50.37 AC

TOTAL WET AREA
= 120.45 AC

PUMPS	
PRIMARY	SPARE
2x 75 HP	1x 75 HP

FILL @ 1 AF / DAY

PUMPED = 35.0 CFS

GRAVITY = 25.2 CFS

PRELIMINARY EARTHWORK ESTIMATES:

CUT IN-PLACE FILL
349,000 CY 81,000 CY

STOCKPILE
215,000 CY

POND 1

BOTTOM ELEV = 416.5 - 418.5

BOTTOM AREA = 12.89 AC

HIGH WATER = 419.5

WET AREA = 13.45 AC

POND 2

BOTTOM ELEV = 414.0 - 416.0

BOTTOM AREA = 18.13 AC

HIGH WATER = 417.0

WET AREA = 19.11 AC

POND 3

BOTTOM ELEV = 411.0 - 413.0

BOTTOM AREA = 36.27 AC

HIGH WATER = 415.0

WET AREA = 37.52 AC

POND 4 (GRAVITY)

BOTTOM ELEV = 406.20

BOTTOM AREA = 49.81 AC

HIGH WATER = 408.10

WET AREA = 50.37 AC

STATIC STORAGE ELEV = 407.0

STORAGE VOLUME = 41.09 AC-FT

REV. DATE DESCRIPTION

DATE: OCTOBER 30, 2020

SCALE: AS NOTED

DRAWN BY: A. TAYLOR

CHECKED BY: W. ZEIDERS

FILE NAME: SUNSET-PONDS-ANALYSIS

KERN DELTA WATER DISTRICT

SUNSET PONDS

PROJECT ANALYSIS

SUNSET PONDS OVERALL PLAN - ALTERNATIVE 1

KERN DELTA WATER DISTRICT

501 TAFT HIGHWAY

BAKERSFIELD, CALIFORNIA, 93307

ZEIDERS CONSULTING

1655 GREELEY ROAD

BAKERSFIELD, CA. 93314

(661) 589-8366

DRAWING NO.

2

of 17

DRAFT



















INSTALL 4" ABOVE GROUND
OFFSET AIR VENT
(WITH ENCLOSURE)
SEE DETAILS (A 17) (B 17) (C 17)

(2) 45" PREFABRICATED BEND WITH THRUST BLOCK
SEE DETAIL (A 16)

PROPOSED NEW 42" RCP PIPELINE

NEW PIPELINE 50' EASEMENT
(SEE SHEET 19)

WESTERN PARCEL LINE

EXISTING DITCH 80' EASEMENT

ONLY 10% LINES DEMIL
PULCATED
REGATION MAIN

(2) 30" PREFABRICATED BEND WITH THRUST BLOCK
SEE DETAIL (A 16)

REINFORCED CONCRETE BOWL STRUCTURE
SEE SHEETS 12-15

FUTURE MONUMENT SIGNAGE
(BY DEVELOPER) SEE SHEET 23

NEW PIPELINE 40' EASEMENT
(SEE SHEET 19)

HOSKING AVE.

NO CHANGE TO 72" STANDPIPE

REMOVE 48" STANDPIPE AND PLUG 18" LINE TO MAIN 72" STAND.

REMOVE 45" ELBOW, INSTALL MANHOLE
(SEE SHEET 18), AND CONTINUE 42" RCP WESTERLY ALONG THE NEW ALIGNMENT.



Know what's below.
Call before you dig.



LEGEND

EXISTING FENCE



NO LANDSCAPING, PARKING, ETC.
MARK ASPHALT AND ADD SIGNS TO GATE:
"KDWD DISTRICT ACCESS - DO NOT BLOCK"

24' GATE

25'

KERN DELTA INGRESS-EGRESS

HUGHES LANE

HUGHES LANE

DRAWING NO. 4

ZEIDERS CONSULTING
1655 CREELEY ROAD
BAKERSFIELD, CA 93314
(661) 589-8366

BRANCH 1 CANAL
RELOCATION AND PIPELINE
SITE PLAN

REV.	DATE	DESCRIPTION
1	SEPTEMBER 14, 2020	SCALE: AS NOTED
2	NOVEMBER 11, 2020	SHOWN BY: A. HANSEN
3	NOVEMBER 11, 2020	DESIGNED BY: A. HANSEN
4	NOVEMBER 11, 2020	FILE NAME: BRANCH-1-PIPELINE



MONITORING WELL REQUIREMENTS

Kern Delta Water District (KDWD) will consider utilizing a landowner's inactive water well for the KDWD monitoring network, if the well satisfies the following conditions:

1) The well is located in an area that KDWD deems appropriate

KDWD will review the location of the inactive well and make the determination whether said well is suitable for inclusion in the KDWD Monitoring Network. A desirable location is an area in which KDWD has little to no historical depth-to-groundwater data, an area that is currently unmonitored, or is otherwise a desirable location to KDWD for monitoring purposes.

2) The well is easily accessible

The inactive water well must be in a location that KDWD technicians can access with little, to no, difficulty. Easily accessible areas include those areas that are not prone to flooding or extremely muddy conditions. An inactive well that has a gate, or is on a property that is gated, will be considered if the landowner gives KDWD uninterrupted access to the well.

3) All associated well equipment (well pump, pipes, etc) is removed

All operational equipment, including but not limited to: the well pump, pipes, and wires shall be removed from the well (examples provided).

LANDOWNER RESPONSIBILITY

Landowners are responsible for the following items prior to KDWD making any determination as to the acceptability of adding an inactive well to the KDWD monitoring network:

- 1) The landowner will provide detailed well location information, including GPS coordinates, Township, Range, and Section.
- 2) The landowner will be required to fill out the Kern County Environmental Health Monitoring Well Information Sheet (attached) to be submitted to Kern County Environmental Health.
- 3) The landowner will provide a Well Completion Report (WCR, Well Permit, Well History) to KDWD. Well pump tests or any other pertinent documentation shall also be provided..

- 4) The landowner will provide the reason for vacating the well.
- 5) Arrangements will be made with KDWD for a gated well, or a gated property. Either a double-lock system (KDWD will lock their lock onto the landowner's lock), or a gate key or gate code shall be provided.
- 6) The landowner will remove all well equipment, and be responsible for conforming to the requirements for monitoring wells, set forth by the Kern County Public Health Services Department Environmental Health Division,

At a minimum, it is imperative that the concrete well pad be free from cracks, caving, and/or any sort of conduit that could be a pathway for contaminants to impact the groundwater.

- 7) The landowner shall pay the cost of a video log of the well conducted by KDWD which will be reviewed prior to inclusion of the well in the KDWD Monitoring Network.

If KDWD decides to add the inactive well to the KDWD Monitoring Network, the landowner will maintain ownership of the well and execute a well access agreement (attached). The landowner will be responsible for maintenance of the well and surrounding property and must maintain both in a safe condition to allow KDWD access to the well.

KDWD shall have the right to make modifications to the well head as necessary for monitoring purposes.

EXAMPLES OF KDWD MONITORING WELLS





KERN DELTA WATER DISTRICT RIGHT OF ENTRY AGREEMENT

I, _____ (“Property Owner”), hereby grant permission to Kern Delta Water District and its officers, employees, and agents (collectively referred to as “KDWD”), to enter upon the following property to measure groundwater levels in connection with KDWD’s groundwater monitoring network:

Assessor’s Parcel Number _____, Well Number _____

This Right of Entry Agreement is subject to the following conditions.

1. KDWD shall exercise reasonable precautions to avoid damage to persons or property. KDWD will hold the Property Owner harmless from any damage caused by the negligent conduct of KDWD. KDWD waives and discharges the Property Owner of any and all liability, claims, and causes of action for any and all personal injuries resulting from activities undertaken by KDWD pursuant to this Right of Entry Agreement.
2. KDWD shall have the right to make modifications to the well head as necessary for monitoring purposes.
3. This Right of Entry Agreement shall be in full force and effect and shall continue until either party terminates it in writing.

Signatures:

Property Owner _____

Date _____

KDWD _____

Date _____

MONITORING WELL INFORMATION SHEET



To: Kern Delta Water District Board of Directors

From: Steven Teglia

Date: November 17th, 2020

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

RECOMMENDATION:

Staff recommends payment of the following nine payables divided into three overall groups of: 1) water banking program design, construction, and construction support -- \$00.00; 2) water banking variable -- \$1,863.21; 3) Kern Delta Water District construction -- \$00.00. The total expenditure in October for these areas is \$1,863.21 (plus additional PG&E well energy stand-by cost).

DISCUSSION:

The following nine 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) Kern Machinery – \$684.35 (Pins, nuts, bolts; Mower)
- 2) PG&E – \$184.63 (AE-02; Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 3) PG&E – \$181.07 (AE-03; Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 4) PG&E – \$222.70 (AE-04, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 5) PG&E – \$45.83 (FR-03; Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 6) PG&E – \$49.11 (KD-01; Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 7) PG&E – \$36.20 (KD-02; Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 8) PG&E – \$196.12 (KI-08, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 9) Quinn – \$263.2 (Hook; Backhoe)

Third group (Kern Delta Construction)

Tab V



KERN DELTA WATER DISTRICT

November 11, 2020

	<i>11/11/2020</i>	<i>Last Year</i>
KERN RIVER 3 DAY MEAN INFLOW	190 CFS	354 CFS
KERN RIVER MEAN OUTFLOW	137 CFS	416 CFS
ISABELLA RESERVOIR STORAGE	97,999 ACFT	167,676 ACFT
REQUESTED OUTFLOW	135 CFS	425 CFS

Estimated: (CFS)

<i>KDWD DAILY DIVERTED: (NOVEMBER 11, 2020)</i>	<i>@HEAD</i>	<i>STATE</i>	<i>XCHNG</i>	<i>BANKING</i>
KERN ISLAND	75	0	0	0
EASTSIDE	0	0	0	0
BUENA VISTA -LEVEE	0	0	0	0
STINE	0	0	0	0
OTHER - River Channel	0	0	0	0
K.I. / A.E. Exchange Gate	0	0	0	0
STINE / A.E. Exchange Gate	0	0	0	0
<i>Total CFS</i>	75	0	0	0

Estimated: (Acre Feet)

<i>DIVERTED (OCTOBER 2020)</i>	<i>UTILITY</i>	<i>STATE</i>	<i>PURCHASE</i>	<i>BANKING</i>
KERN ISLAND	6,704	0	0	0
EASTSIDE	0	0	0	0
C.O.B. Misc.	0	0	0	0
BUENA VISTA	0	0	0	0
STINE	0	0	0	0
FARMERS	0	0	0	0
SOUTH FORK	0	0	0	0
West Side State Sale	0	0	0	0
<i>MONTHLY TOTAL</i>	6,704	0	0	0
<i>YEAR TO OCTOBER 31, 2020</i>	149,808 ACFT	6,746	0	0
<i>Year to October 31, 2020 Utility - State - Banking</i>	156,554 ACFT			

<i>ACFT. STORAGE BALANCE AS OF:</i>	<i>10/31/2020</i>	<i>Estimate 11/11/2020</i>	<i>Max Storage</i>
KERN ISLAND	2,105	1,565	2,500
BUENA VISTA	1,494	1,494	1,500
STINE	1,241	1,241	1,500
FARMERS	1,238	1,238	1,500
STATE (19) Carryover	0	0	N/A
STATE (20) Contract	4,431	4,431	N/A
RRBWSO STORAGE	23,805	23,805	N/A
PIONEER PROJECT STORAGE	23,285	23,285	N/A
<i>TOTAL ACFT.</i>	57,599	57,059	

K.D.W.D. CLIMATOLOGICAL OBSERVATION:

<u>37</u>	MINIMUM TEMPERATURE	<u>30</u>
<u>62</u>	MAXIMUM TEMPERATURE	<u>54</u>
<u>41</u>	PRESENT TEMPERATURE	<u>32</u>
<u>0.00</u>	PRECIPITATION - 24 HR. DAY	<u>0.00</u>
<u>0.22</u>	PRECIPITATION - MONTH	<u>1.47</u>
<i>Seasonal</i> <u>0.22</u>	YEAR TO DATE PRECIP.	<u>1.47</u> <i>Seasonal</i>

ISABELLA CLIMATOLOGICAL OBSERVATION:ISABELLA RESEVOIR:

LAKE ELEVATION (FT.)	2,546.15	OCTOBER AC. FT. INFLOW	8,636
STORAGE ACFT.	97,999	OCTOBER AC. FT. OUTFLOW	10,023
STORAGE CAPACITY	568,075	ACCUMULATIVE ACFT. INFLOW (20-21)	8,636
% OF CAPACITY	17%	ACCUMULATIVE ACFT. OUTFLOW	10,023
COE STORAGE CAPACITY	360,000	% OF COE CAPACITY	27%

Summary of Utility Water Diverted Year to Date: 10/31/2020

	Utility	North Kern*	Other Exchanges
<i>January</i>	15,033	0	0
<i>February</i>	12,528	0	0
<i>March</i>	11,718	0	0
<i>April</i>	9,759	2,500	0
<i>May</i>	13,664	0	0
<i>June</i>	29,756	0	0
<i>July</i>	26,325	0	0
<i>August</i>	15,058	0	0
<i>September</i>	9,263	0	0
<i>October</i>	6,704	0	0
<i>November</i>			
<i>December</i>			
<i>Total</i>	149,808	2,500	0

Summary of Other Water Diverted Year to Date: 10/31/2020

	State	Purchase	Banking
<i>January</i>	0	0	0
<i>February</i>	0	0	0
<i>March</i>	30	0	0
<i>April</i>	81	0	0
<i>May</i>	536	0	0
<i>June</i>	2,099	0	0
<i>July</i>	2,207	0	0
<i>August</i>	1,793	0	0
<i>September</i>	0	0	0
<i>October</i>	0	0	0
<i>November</i>			
<i>December</i>			
<i>Total</i>	6,746	0	0

Water owed to K.D.W.D as of: 10/31/2020

<i>B.V.W.S.D. 2019 State Carryover*:</i>	5,999
<i>2020 State Contract: Table A</i>	5,100
<i>2020 Yuba Purchase</i>	78

Quantities in acft. TOTAL 11,177

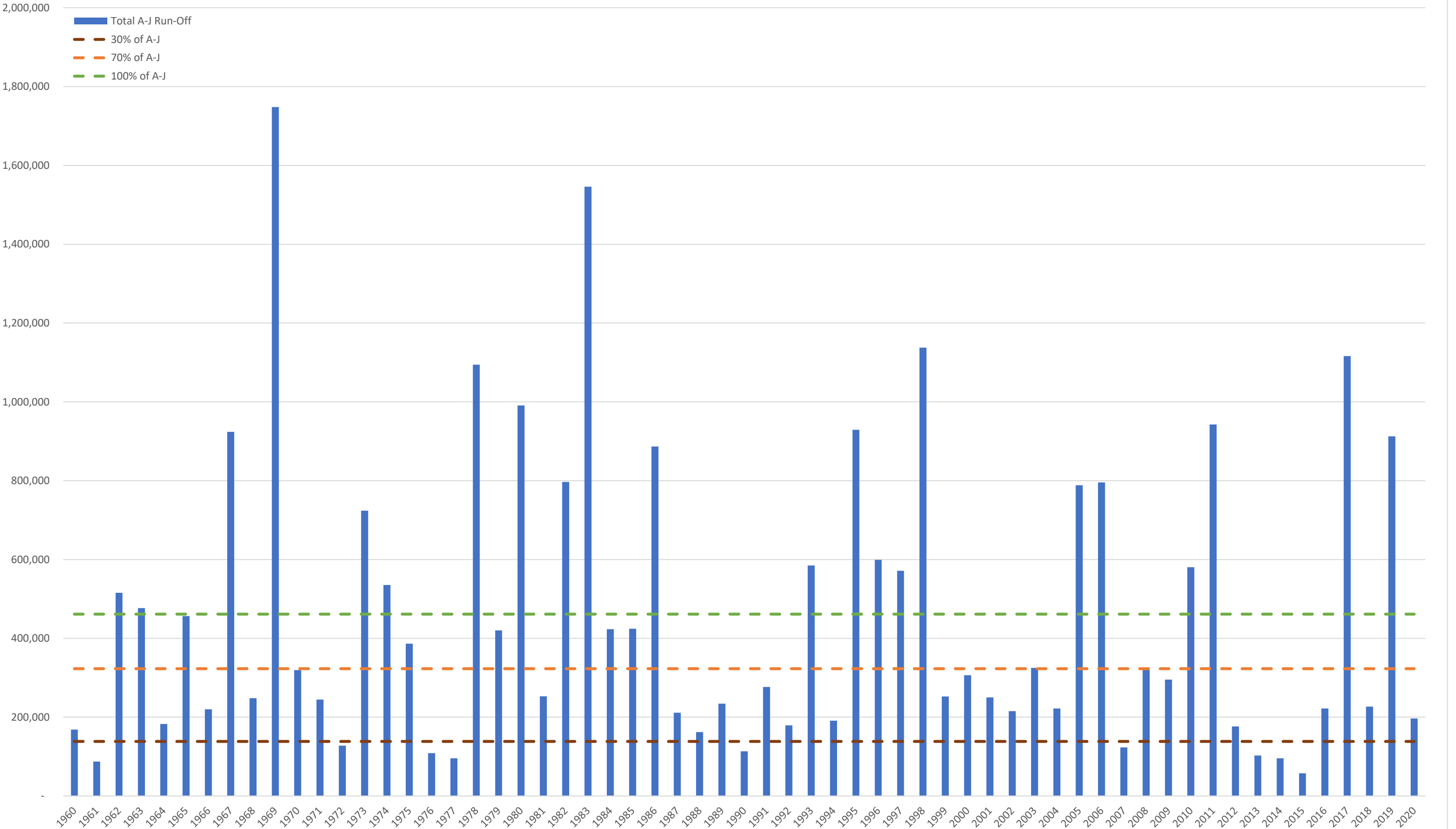
*Maximum State Carryover Balance: 6,000 acre feet

Summary of Total State Water Used Year to Date: 10/31/2020

	(OWED)	(USED)
<i>2019 Carryover</i>	0	5,999
<i>2020 Contract</i>	4,431	747
<i>Total</i>	4,431	6,746

Net Owed to KDWD TOTAL 11,177

April Through July Run-Off (Acre Feet)



Depth-to-Groundwater 2020

		JAN 2015	JAN 2016	JAN 2017	JAN 2018	JAN 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	OCT 2020	NOV 2020	DEC 2020	HIGH	LOW	AVERAGE
Northwest Quadrant	30/26-26C	R	196	206	190	R	204	202	210	R	202	R	R	R	R	L	L		210	202	205
	30/26-26G	187	199	207	197	R	199	320	324	R	200	R	R	R	R	L	L		324	199	261
	30/26-27J	177	198	206	198	R	210	315	311	R	201	R	202	NR	R	L	L		315	201	248
	30/26-35N			NR	181	184	171	164	160	161	162	171	R	194	190	191	180		194	160	174
	30/27-31E	185	202	214	181	202	219	218	208	R	215	R	219	R	220	217	215		220	208	216
	31/26-08G	152	168	NR	168	NR	204	R	203	R	201	200	222	R	201	NR	234		234	200	209
	31/26-10J	175	206	NR	170	202	NR	L	200	201	20	201	220	238	R	218	R		238	20	185
	31/27-06C	200	195	202	NR	208	215	210	206	206	R	R	R	236	222	212	205		236	205	214
	31/27-07B	189	198	NR	199	R	200	222	R	203	R	R	R	240	247	218	208		247	200	220
Southwest Quadrant	31/26-13N			198	180	201	NR	200	R	203	R	R	226	R	241	R	205		241	200	215
	31/26-15J			200	168	205	NR	L	L	L	237	237	229	234	240	217	R		240	217	232
	31/26-16P			NR	168	207	204	200	204	200	R	230	R	R	R	212	206		230	200	208
	31/26-17Q			NR	NR	210	203	218	217	200	227	R	R	238	252	207	206		252	200	219
	31/26-21N			NR	175	238	204	R	201	203	220	250	249	R	260	211	201		260	201	222
	31/26-30G			186	159	240	268	350	206	204	206	238	R	R	250	217	234		350	204	241
	31/27-18D01			NR	NR	206	201	206	203	R	R	235	241	R	R	234	213		241	201	219
	32/26-08J			132	189	215	209	206	204	206	206	203	247	208	203	212	205		247	203	210
	32/27-07N			160	NR	200	288	289	200	223	220	206	215	NR	227	206	200		289	200	227
North-Central Quadrant	30/28-29B			NR	236	243	229	234	234	240	225	R	R	R	242	247	236		247	225	236
	31/27-01L			190	260	220	232	219	206	202	216	228	228	234	219	231	229		234	202	222
	31/27-04A			158	176	183	184	168	170	167	173	170	180	185	182	180	177		185	167	176
	31/27-05J			NR	200	NR	228	R	208	NR	210	210	226	230	231	218	208		231	208	219
	31/27-10B			NR	NR	NR	208	200	NR	200	205	208	222	230	219	212	204		230	200	211
	31/27-11K			171	170	330	227	326	218	NR	NR	NR	NR	R	314	340	336		340	218	294
	31/27-12Q			NR	140	140	139	133	133	131	R	131	R	R	153	143	140		153	131	138
	31/28-08A			216	220	243	244	230	248	240	247	R	R	R	270	240	250		270	230	246

Depth-to-Groundwater 2020

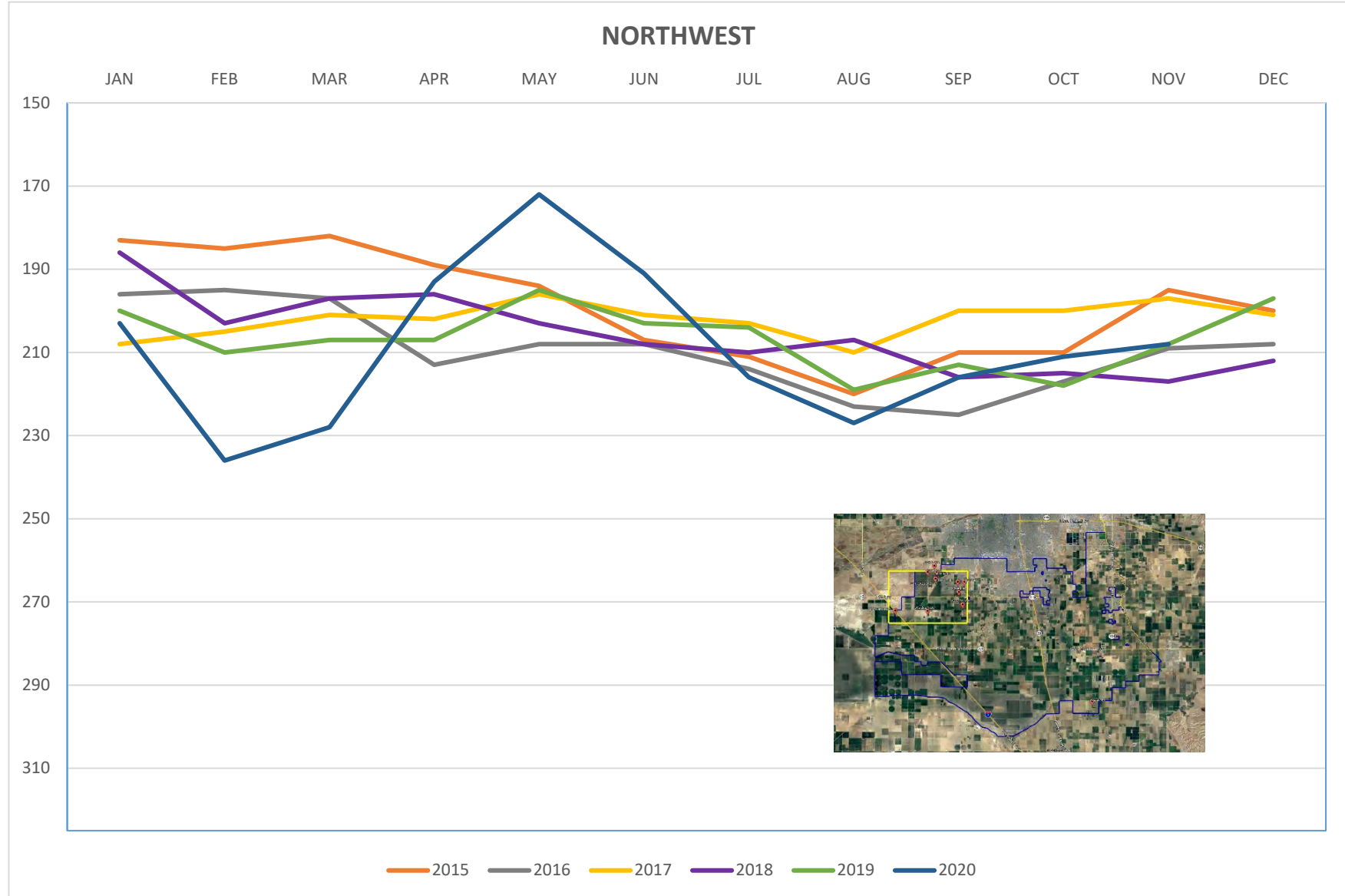
		JAN 2015	JAN 2016	JAN 2017	JAN 2018	JAN 2019	JAN 2020	FEB 2020	MAR 2020	APR 2020	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	OCT 2020	NOV 2020	DEC 2020	HIGH	LOW	AVERAGE
South-Central Quadrant	31/27-20H			NR	NR	NR	211	299	202	202	205	200	R	200	201	202	207		299	200	213
	31/27-21M			NR	160	L	L	298	316	340	212	201	NR	R	217	R	211		340	201	256
	31/28-20D			NR	180	190	201	R	R	280	R	R	R	R	NR	NR	NR		280	201	241
	32/27-15B			192	196	231	202	205	200	200	220	219	229	241	252	220	250		252	200	222
	32/28-19A			216	NR	215	222	215	203	206	223	242	247	254	255	249	242		255	203	233
	32/28-05A			NR	NR	250	239	211	200	210	206	232	258	268	266	260	238		268	200	235
	32/28-05B			NR	NR	226	201	202	190	202	205	219	240	238	252	249	228		252	190	221
	32/28-08R			NR	NR	224	253	207	205	203	236	238	235	277	268	260	253		277	203	240
Northeast Quadrant	30/28-11F	240	250	254	248	263	263	264	260	259	262	269	271	270	270	257	270		271	257	265
	30/28-13C			299	290	R	300	308	305	302	308	R	321	313	322	310	R		322	300	310
	30/28-24R			NR	NR	306	311	NR	NR	NR	309	R	NR	323	323	318	314		323	309	316
	30/28-26R			NR	NR	287	NR	NR	NR	NR	292	295	R	NR	NR	296	299		299	292	296
	30/28-36A					212	218	215	210	A	A	A	323	325	328	NR			328	210	262
	30/29-31C			319	323	327	338	328	323	360	325	320	331	333	335	335	334		360	320	333
	31/28-02H			NR	288	291	290	290	292	291	319	R	320	303	342	301	R		342	290	305
	31/28-10A			328	249	253	253	258	257	256	263	269	274	280	282	269	271		282	253	267
Southeast Quadrant	31/28-12P			NR	222	286	284	R	NR	232	R	R	R	303	R	R	295		303	232	279
	31/28-13H2					NR	NR	315	315	312	305	310	NR	R	R	313	313		315	305	312
	31/28-14D			226	233	239	230	230	NR	227	247	R	R	247	248	242	241		248	227	239
	31/28-23H			NR	278	290	286	289	285	268	R	R	283	322	R	311	337		337	268	298
	31/28-34H			NR	NR	337	206	202	205	219	R	R	R	213	R	230	NR		230	202	213
	31/29-18A			NR	234	335	333	338	322	289	334	336	344	340	286	330	345		345	286	327
	31/29-28C	326	257	NR	219	347	344	334	322	370	370	A	353	354	350	R	R		370	322	350
	31/29-30H			NR	NR	NR	NR	320	220	210	R	R	330	R	R	R	NR		330	210	270
	31/29-33D			NR	294	342	250	319	313	316	319	315	315	350	335	333	334		350	250	318
	32/28-14F	287	NR	NR	NR	NR	222	228	225	230	NR	NR	NR	NR	303	283	274		303	222	252
	32/28-15R	250	305	NR	300	263	272	263	269	285	300	291	291	R	R	232	302		302	232	278
	32/28-01P			NR	NR	NR	NR	200	200	200	213	219	219	NR	L	L	L		219	200	209
	32/29-06P	193	198	201	NR	183	177	179	181	181	NR	189	187	223	219	207	220		223	177	196

	High	Low	Ave.
NORTHWEST	324	20	215
SOUTHWEST	350	200	222
NORTH-CENTRAL	340	131	218
SOUTH-CENTRAL	340	190	232
NORTHEAST	360	210	292
SOUTHEAST	370	177	272

A=anomalous reading (either wildly high or wildly low, therefore not included in data)
 R = Pump Running
 NR = No Reading (well temporarily inaccessible, unreliable reading, etc)
 CAP = Well has been Capped
 WA= Well added to rotation
 NW = No well, well removed since previous well run
 L = Gated well, letter has been sent to property owner requesting access

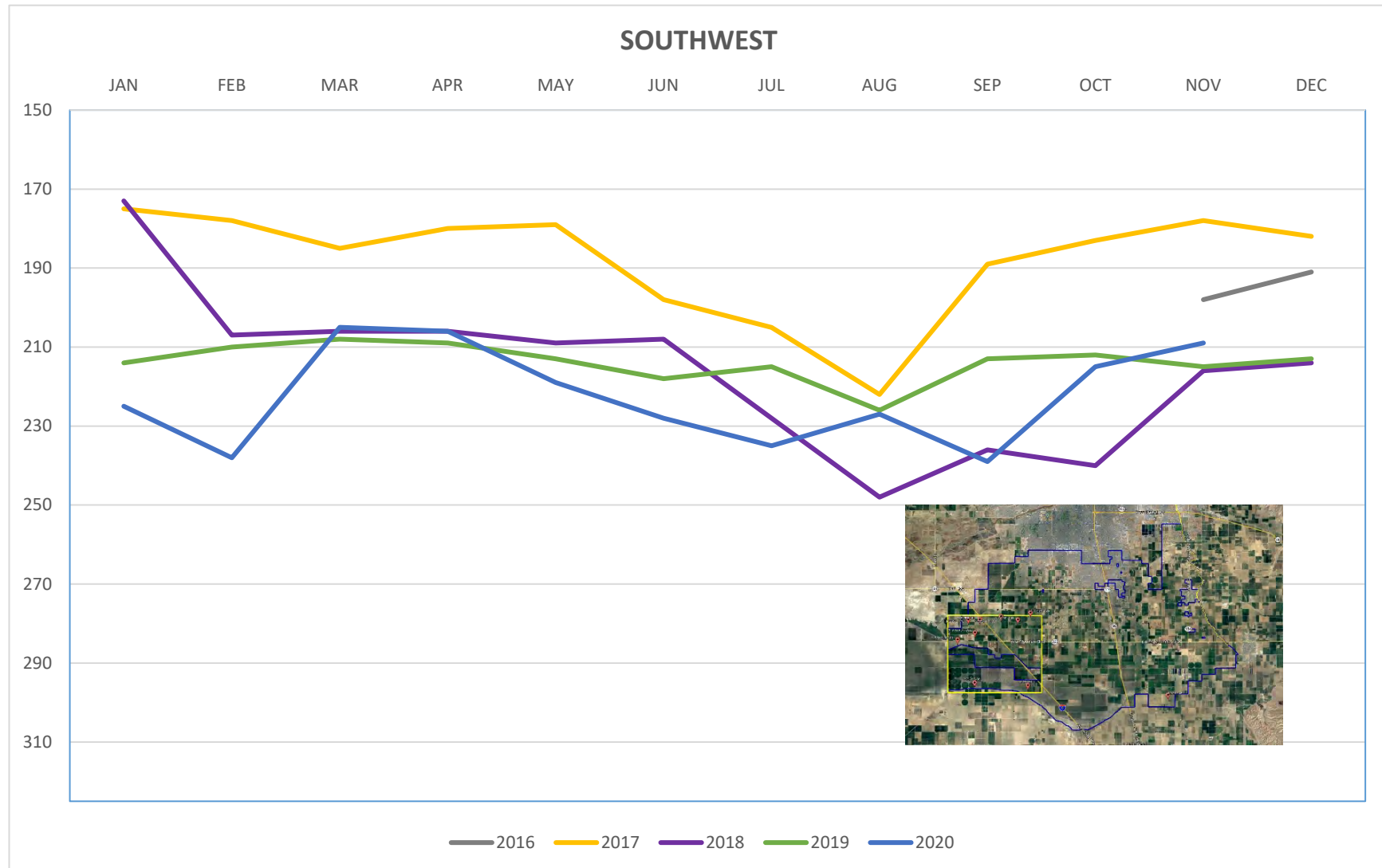
DEPTH-TO-GROUNDWATER

(values in feet)



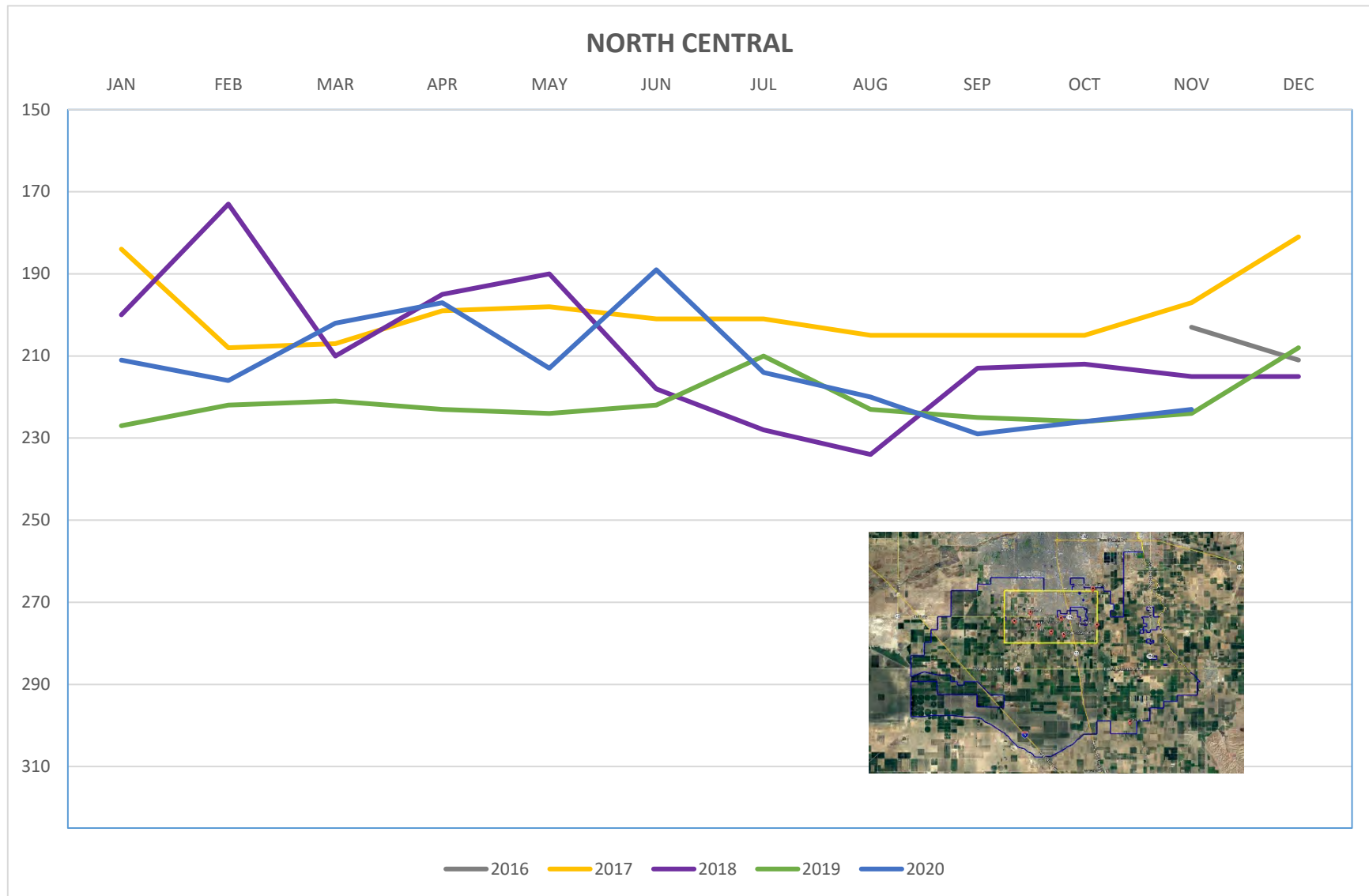
DEPTH-TO-GROUNDWATER

(values in feet)



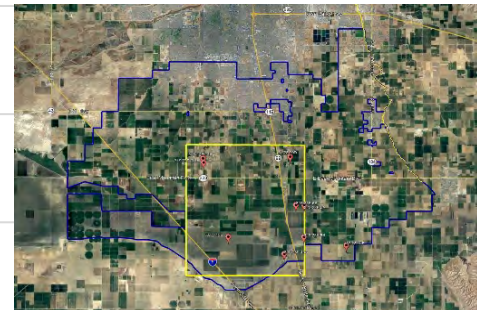
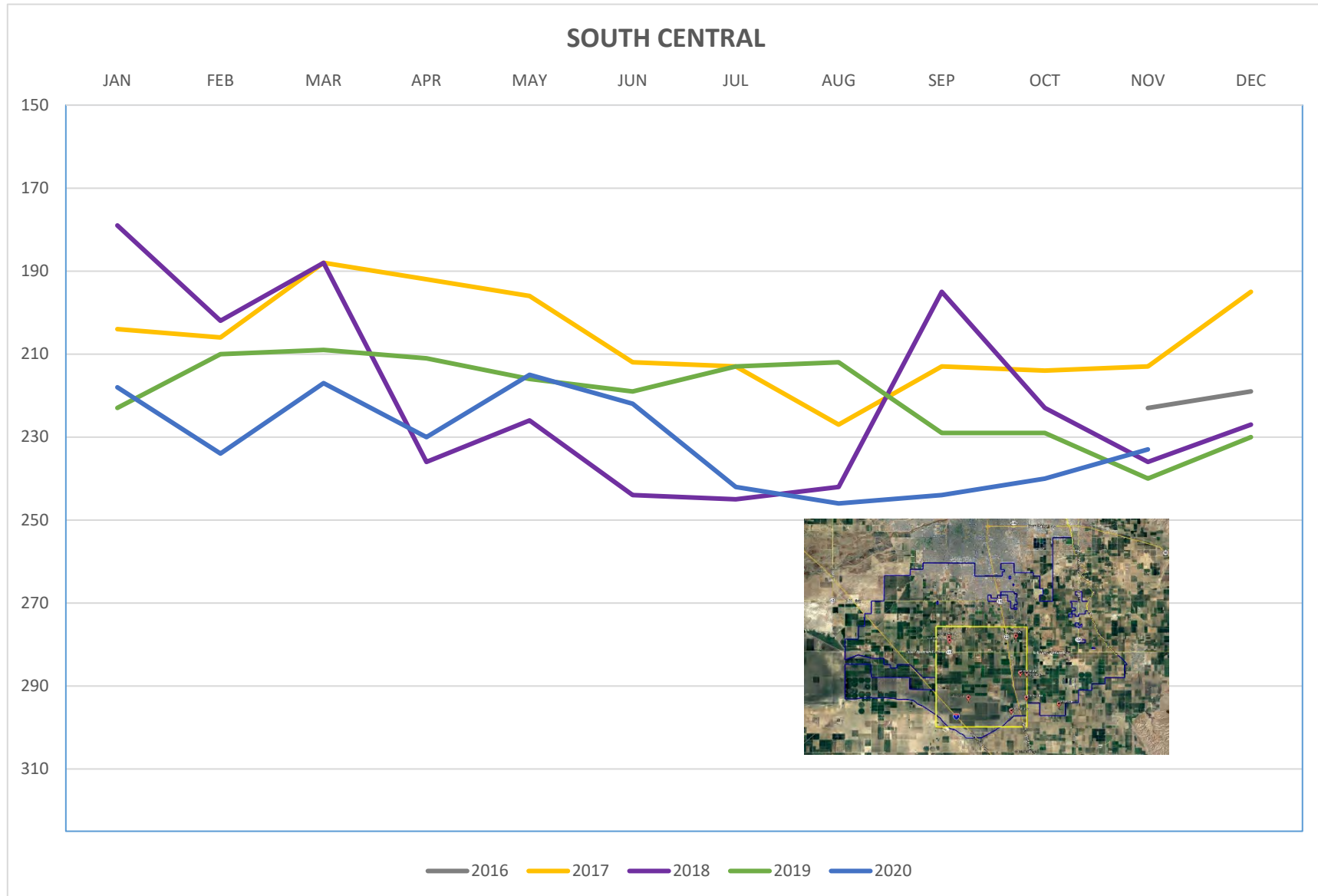
DEPTH-TO-GROUNDWATER

(values in feet)



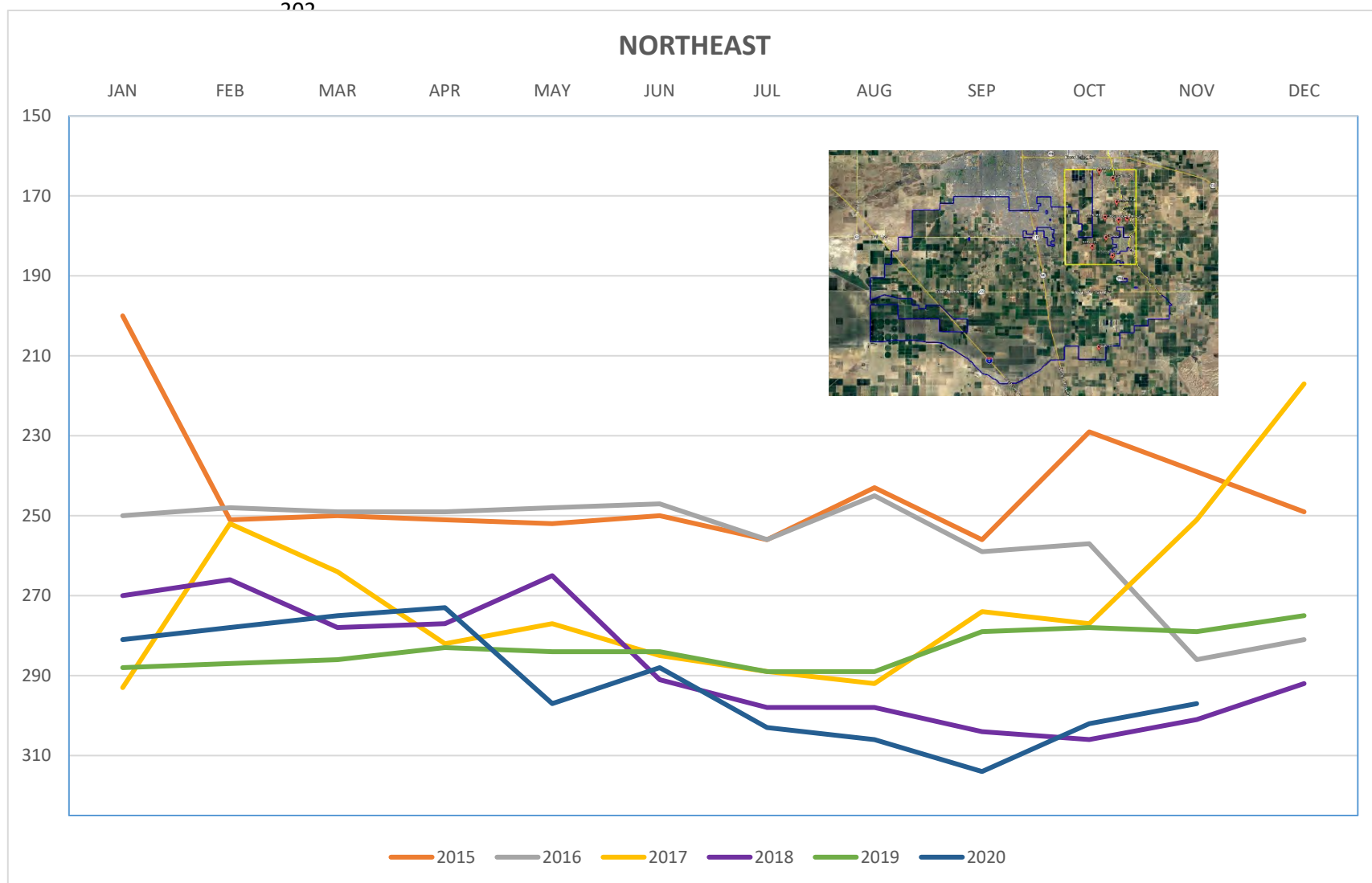
DEPTH-TO-GROUNDWATER

(values in feet)



DEPTH-TO-GROUNDWATER

(values in feet)

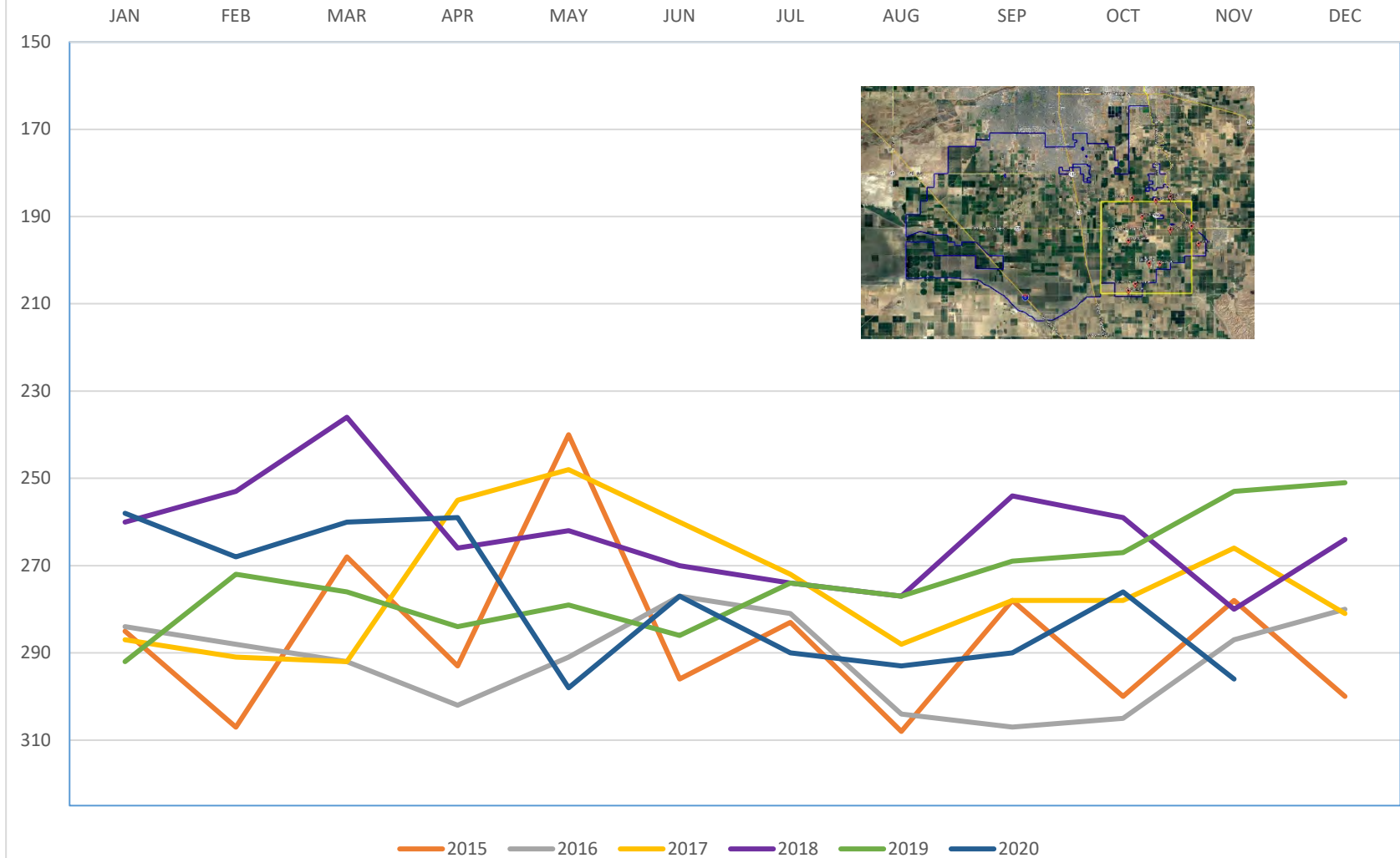


DEPTH-TO-GROUNDWATER

(values in feet)



SOUTHEAST



Kern River Watermaster

16294 Highway 43

P.O. Box 1168
Wasco, California 93280




Office: (661) 758-5153

Cell (661) 201-5527

Fax: (661) 758-6167

November 6, 2020

TO: Kern River Interests

FROM: Dana S. Munn 

RE: Report of Recent Activities

Isabella Dam Safety Modification Project - The November 2020 Situation Report is attached. The Phase II (dam) construction and blasting continues as an “essential project”. They are continuing structural concrete work on the labyrinth weir spillway structure. Note the picture of the Highway 155 diversion chute for work on the main dam.

Runoff and Operations – I continue to be in discussions with DWR staff on getting the costs and what commitments are needed for the Kern River to participate in the Aerial Snow Observatory (“ASO”) program. ASO aerially measures snow depth and uses algorithms from manual density measurements and remote sensors to estimate the volume of water in the basin. DWR funding may not be available next year and Federal or local funding may be needed. I am getting estimates for a “snow-off” survey with the concept of only flying “snow-on” surveys when the extremely wet years occur and the best runoff estimates are needed for water management and flood control operations.

The Sequoia & Kings Canyon National Parks administration has notified DWR staff that they will not be doing the manual snow surveys of two locations in the Little Kern and several locations along the Kaweah River. I am discussing options with the DWR and the Kaweah River Watermaster to hire a private contractor to do this winter’s surveys. It appears that the costs may be split among the Kern, Kaweah and Tule Rivers who use this survey data for runoff forecast.

Attached are graphs of “March 1, 2020 to October 31, 2020, Kern River Inflow, Outflow and Isabella Storage” and “Kern River Inflows and Chagoopa Plateau Sensor, Elevation: 10,300’”. Note two errors due to a replacement of a lake surface elevation sensor by the Corp has been corrected with an estimate for the graphs.

California Fires – There is a large fire, “SQF Complex” that burnt along the North Fork of the Kern, the Little Kern, the Tule, and the Kaweah Rivers (map attached). The SQF Complex fire is currently 170,922 acres and is 80% contained. The fire map shows it is currently burning a relatively small area between the Little Kern and Kern North Fork. This will impact the water quality of next year’s runoff; however, given that it is upstream of Isabella it will not be as severe as water quality problem with fire scars downstream of Isabella.

Weather Modification Program – The weather modification program started November 1 with airplanes on call for storm events.

Public Outreach – I continue to respond to press and public inquiries during the month.

Watermaster Records – I continue to review records and forecasted reservoir operations with City staff.

Attachments: November 2020 Situation Report

Graph of March 1, 2020 to October 31, 2020 Kern River Inflow, Outflow and Isabella Storage

Graph of Kern River Inflows and Chagoopa Plateau Sensor, Elevation: 10,300', Minimum Temperature

Map of SQF complex fire



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.

November 2020



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. Poor air quality, due to wild fires 20-40 miles from the project, has not resulted in significant impacts to progress.
- 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. The Contractor successfully embanked the Aux Dam back to flood elevation 2570 in October. Steel rebar and slab placement work continues on the labyrinth weir and excavation on the emergency spillway. Main Dam and Service Spillway work continues.
- SR155 continues to have one-lane traffic with signals, but has moved to the southbound lane (see image above), and is expected to open up to two lanes in mid-December with minor lane refinements through the end of year. USACE will provide updates on any changes in traffic patterns or lane closures via public outreach, the monthly SITREP, and the Isabella Task Force engagements. Please help us ensure everyone's safety and obey all traffic signals and directions.
- The first iteration of screening site alternatives for the USFS Visitor Center was completed in September and the project delivery team continues with the NEPA process.

Current Lake Status (as of November 3, 2020)

The current pool resides at 97,792 acre-feet (elevation 2,546 feet-IPD), which is 58% of flood conservation pool and 27% 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

U.S. ARMY CORPS OF ENGINEERS, SACRAMENTO DISTRICT, 1325 J ST., SACRAMENTO, CA 95814

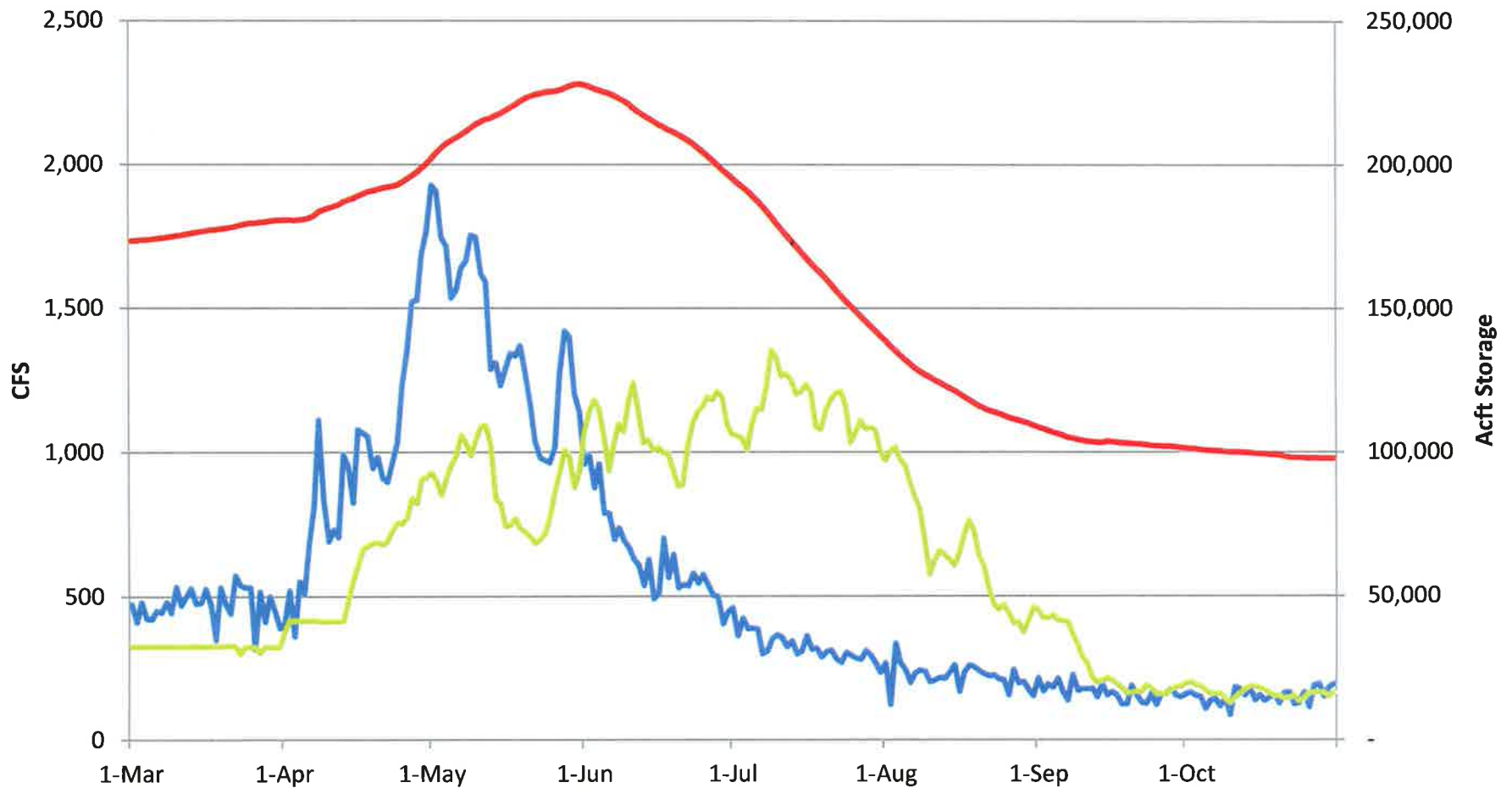
www.spk.usace.army.mil/Missions/CivilWorks/IsabellaDam.aspx

916-557-5100

Isabella@usace.army.mil

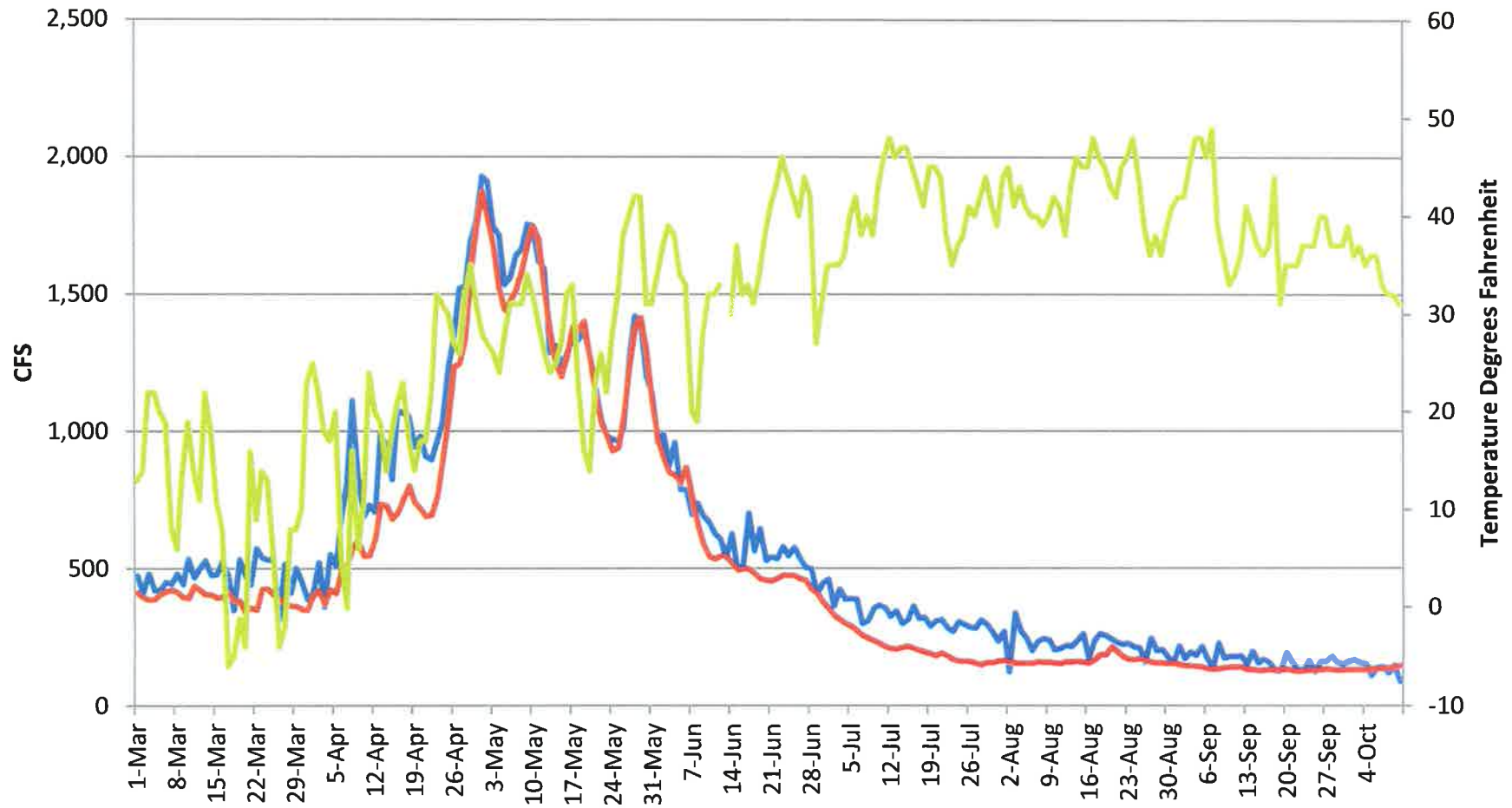
March 1, 2020 to October 31, 2020
Kern River Inflow, Outflow and Isabella Storage

— "Preproject" Inflow — Mean Outflow — Isabella Storage



Kern River Inflows and Chagoopa Plateau Sensor, Elevation: 10,300', Minimum Temperature

"Preproject" Inflow North Fork Chagoopa Minimum Temperature



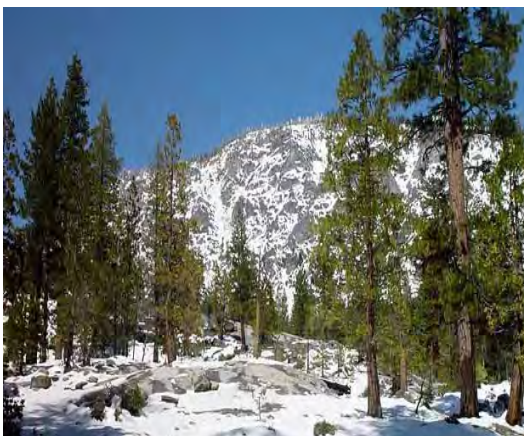


Ground-Based Generator Program to Seed Southerly Flow in the Kern River Basin

Operational Period: 15 November 2020 – 15 April 2021

Submitted to:

**NORTH KERN WATER STORAGE DISTRICT
Bakersfield, CA**



Prepared by:

**RHS Consulting, Ltd.
70 Hardy Dr.
Sparks, NV 89431
October 16, 2020**

Introduction

Over the past twenty years there has been a significant decrease in the frequency of cold open troughs and energetic westerly flow events that reach south to the Kern River Basin. Weak cutoff lows that used to be infrequent during the middle of winter have been observed with increasing frequency over the past ten years. During WY2020, fourteen closed lows developed and passed west of the project area compared with only a handful ten years ago. These storms track south along the Pacific coast until they reach Point Conception and typically turn east tracking south of the Sierra barrier. When this happens the project area experiences extended periods of southerly followed by southeasterly flow that eventually becomes easterly flow as the center of the lows track east toward Las Vegas, NV. The times that can be aircraft seeded during these events are often short-lived and associated with weak flows and warm temperatures that offer poor seeding potential. As the center of the storm's cross eastward out of the Los Angeles basin, stronger south and southeasterly flows develop over the Kern River Basin when the main precipitation periods associated with these storms offer better seeding potential.

Unfortunately, IFR airspace restrictions associated with the R2508 complex of restricted areas and Military Operating Areas (MOA) located in the Southern Sierra make flying during periods of south and southeasterly flows almost impossible. Figures 1 and 2 shows the target area in relation to the location of the airspace restrictions. In the past, it was often possible to receive clearance to fly in a buffer zone that extended between the ground level to 2000' above ground level. However, this vertical window for most of these areas has been reduced to 200' above ground level which does not provide enough ground clearance to fly during icing conditions. The exception to this rule are the Foothill 1, Foothill 2, Porterville and Bakersfield MOA's located west and northwest of the R2508 complex as shown in Figure 2. Custom seed tracks based on forecast storm conditions are located in these areas when suitable conditions develop and the areas are open by Joshua Air Traffic Control.

A practical alternative to seeding these southerly flow events is to seed the target area using ground-based generators located in the southern parts of the project area.

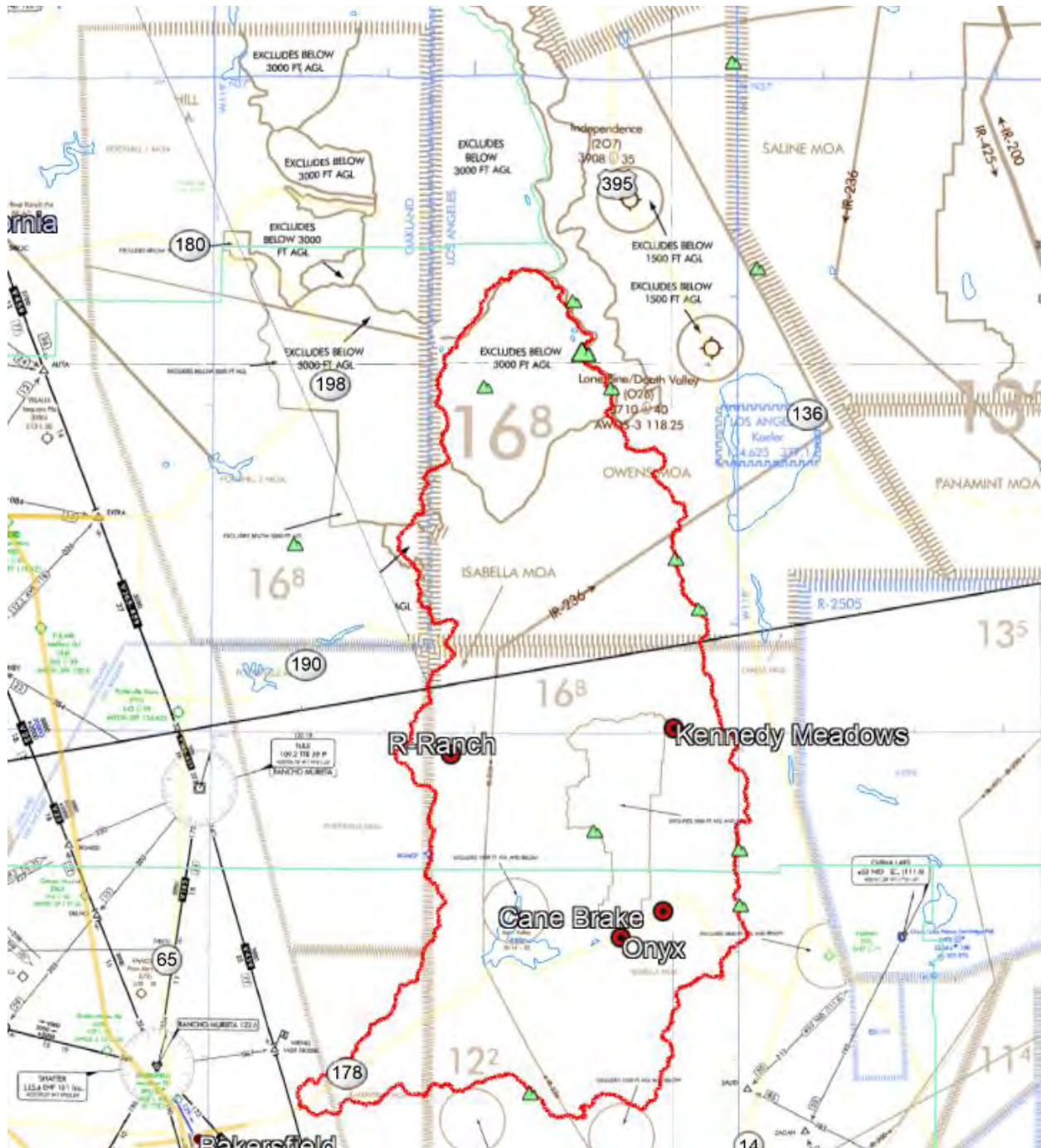


Figure 1. IFR Airspace Map showing restrictions over the Kern River Basins.

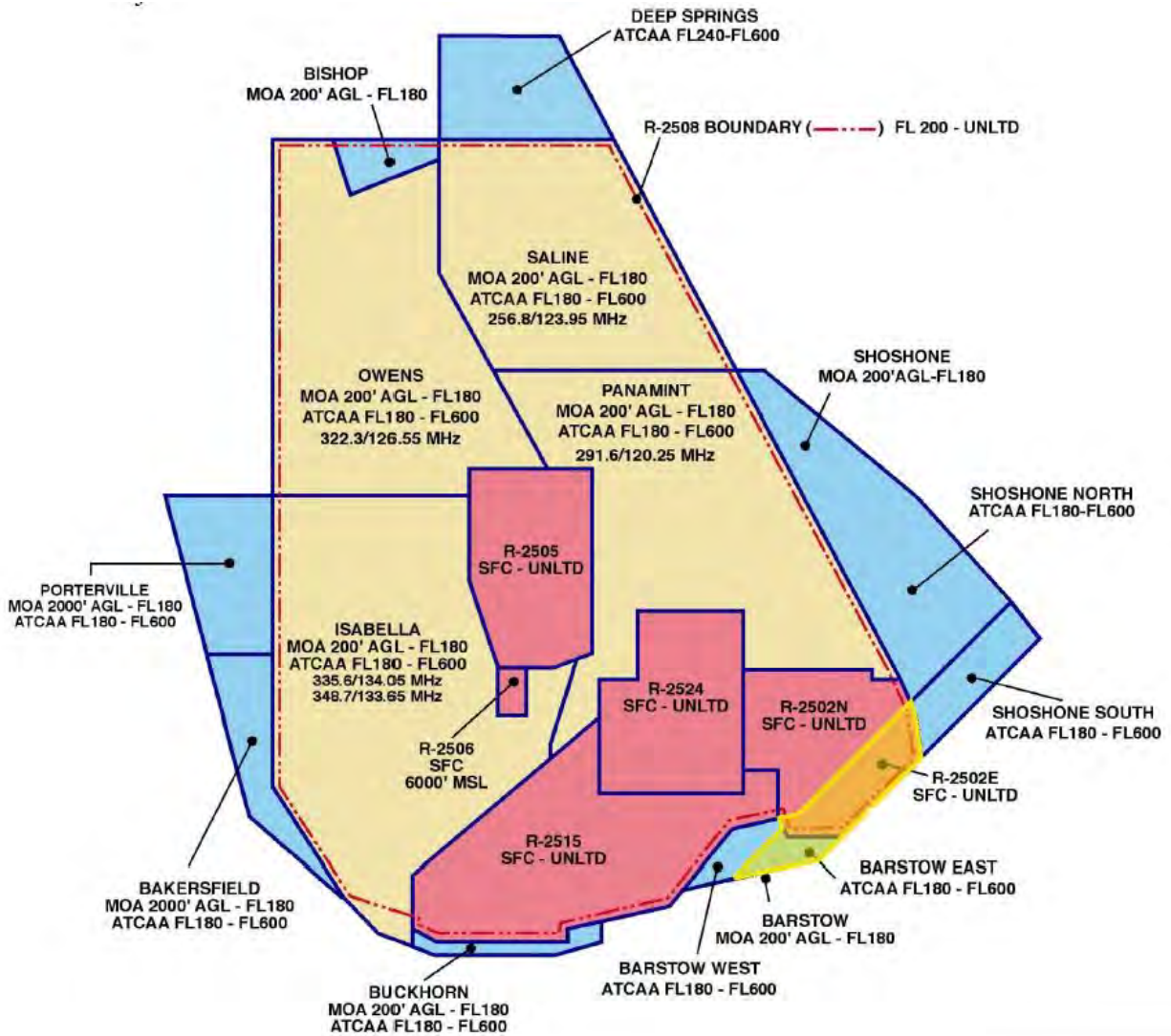


Figure 2. R2508 Restricted Area Complex and Southern Sierra Military Operating Areas.

Work Plan

We propose locating manual ground-based generators at four locations in the southern half of the Kern River Basin. Four RHS manual generators will be located on private property and operated manually when requested by the RHS Meteorologist. Each location has been used in the past. The locations were selected to seed wind directions originating from southwest (200) through southeast winds (160) as shown in Figure 3 and listed in Table 1. Three locations were selected to target seeding aerosols directly up the Kern Canyon during south-southeasterly flow to fill the gap. The fourth location, Johnsondale, was selected to target the Upper Kern Canyon under south-southwesterly flow.

Supercooled liquid water (icing) maximizes when surface winds blow from the south-southwest so operating a Johnsondale generator can help us target seeding effects directly up the canyon into the headwaters of the Upper Kern. This will also help us extend the number of storm hours seeded after the upper level clouds pass by the target following a major storm and aircraft seeding is no longer effective. The low liquid water content orographic clouds that develop in colder air when the freezing level drops after fronts pass over the target area can persist and be seeded for many hours. These clouds do not contain enough natural ice nuclei to produce snow unless they are seeded. This happens because the upper level clouds that drop natural ice crystals into them have already passed over the target and out of the area leaving them unable to snow naturally without the help of a seeding agent. These clouds are shallow, less than a two to three thousand feet in depth but have enough potential to produce 0.1 – 0.2 mm/hr when seeded over 40-50 square miles of the target. This can produce an additional 1" of snowfall overnight or about 10-20 AF/hr of seeded water.

All the generators will use the latest seeding solutions designed for seeding clouds with high aerosol loads to promote large droplet growth followed by ice nucleation to form ice crystals. Each generator has a capacity of 40 gallons of seeding solution allowing it to be operated 80-120 hours before it requires refueling and servicing. The generators will be operated between November 15 through April 15 whenever suitable storm conditions are forecast over the Kern River Basin. The generators will be installed at the end of October at the locations shown in Figure 3. During seeding operations each generator will burn 0.33 - 0.5 gal/hr and disperse 25 – 40 gAgI/hr. **A brief report summarizing generator operations and estimated results will be prepared at the end of each winter season. Results will be based on operations and average targeting effectiveness during ground seeded storms.**

Funds are requested to provide 600 unit-hours of seeding **each winter season for two seasons (WY2021 and WY2022)**. Water production from these generators during seedable periods has been found to follow a log normal distribution with water production rates ranging between 6-60 AF/HR. Assuming an average water production rate of 6-12 AF/hr would provide an additional 3,600 – 7,200 AF of runoff with up to 600 unit-hours of operation. **Total cost to install and operate the four generators as an add on component to the aircraft seeding program during year one will cost \$65,000 or about \$9 to \$ 17 AF/hr. These costs include a fixed standby cost of \$3,500/mo for generator mobilization, maintenance, and liability insurance plus \$75/unit-hr to cover the cost of seeding solution and propane. During year two standby costs will be reduced by 10% to \$3,200/mo reflecting setup cost savings and work conducted during year one. Year two costs will total \$63,200. RHS has all the necessary supplies and equipment ready for deployment and use. Any solution not used during the 2021 winter season would be stored for use in the following**

season. RHS can offer significant cost savings to the overall cost of the program by operating the ground generators in conjunction with the existing aircraft program by eliminating duplicate costs (e.g., forecasting, reporting, etc.).

GROUND-BASED GENERATOR PROGRAM TO SEED SOUTHERLY FLOW IN THE KERN RIVER BASIN

Table 1. Kern River Basin Ground-Based Generator Locations

Name	Latitude (dd.dd)	Longitude (dd.dd)	Elevation (ft)
Johnsondale (R Ranch)	35.97	-118.54	4,716
Onyx	35.69	-118.22	2,771
Cane Brake	35.73	-118.14	2,997
Kennedy Meadows	36.01	-118.12	6,182



Figure 3. Proposed Ground-Generator Locations.

Tab VI





2021 Meeting Calendar

January						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May						
S	M	T	W	T	F	S
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Kern Delta Board Meeting (1st and 3rd Tues. of the Month Approx. 12PM Closed Session; 1:30PM Regular Session)

Operations and Projects Committee (1st Tues. of the Month @ 10:30AM)

Business and Finance Committee (Thurs. prior to the 3rd Tues. @ 10:00AM)

District Observed Holidays.

Note: Meetings Subject to Change or Cancellation with Appropriate Notice.



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: November 17, 2020

Re: Agenda Item VI B – 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 October 22, 2020.
- Most KCWA Office Staff teleworking...CVC field and ID-4 staff working as normal (social distancing).
- Next KCWA Board meeting will be Wednesday, November 18, 2020 (adjustment due to Thanksgiving).
- KCWA approved the Isabella Cost Share Agreement.
- Delta Conveyance project schedule / planning costs (attached).

[Kern Fan Authority:](#)

- The KFA meeting of October 28, 2020 was canceled.

[Kern River Groundwater Sustainability Agency \(KRGSA\):](#)

- The KRGSA met November 5, 2020 (agenda attached).
- Approved KRGSA boundary adjustment (ENCSD & AEWSD).
- Approved 2021 meeting calendar.

[Kern Groundwater Authority \(KGA\):](#)

- The KGA met on October 28, 2020 (agenda attached).
- KGA appointed new Chair/Vice Chair.
- Basin Data Management System Project Update.
- Approved 2021 meeting calendar.

[Kern River Watershed Coalition Authority \(KRWCA\)\(ILRP\):](#)

- The KRWCA meeting of November 5, 2020 was canceled.

South Valley Water Resources Authority:

- SVWRA met October 22, 2020 (agenda attached).
- Water Blueprint for the San Joaquin Valley.

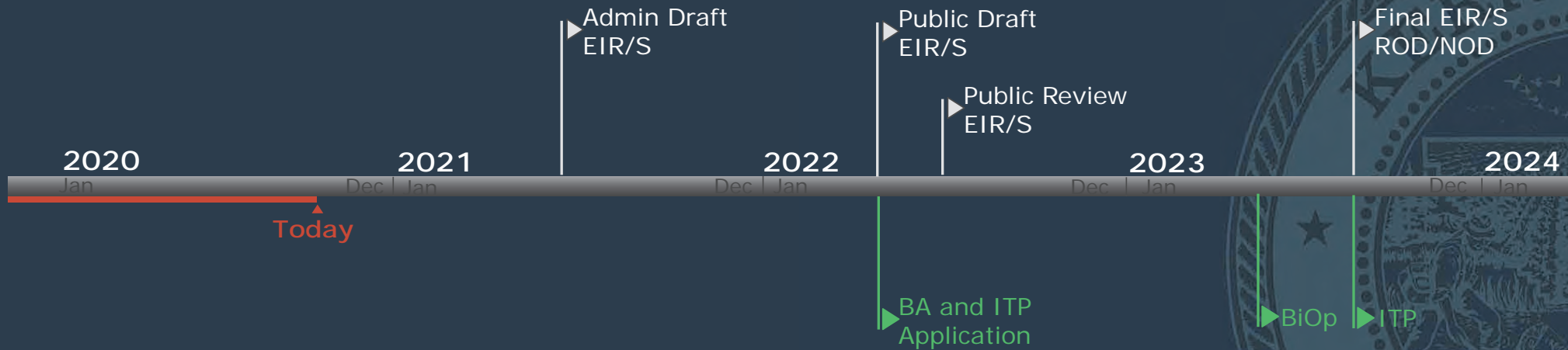
Integrated Regional Water Management Plan:

- No Report.

Water Association of Kern County (WAKC):

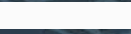

- WAKC met October 27, 2020 (agenda attached).
- WAKC continues to promote the need for agricultural water in California. Bus wraps are now being used on GET buses to support “Magic of Water” campaign. There are also plans for building artwork as well which are underway (see Clark Building picture).
- Development of future short videos for social media/WAKC YouTube channel.
- The 2021 Water Summit is on hold for now.
- 2020 Annual Meeting will not be held in person (possibility of remote meeting).
- WAKC looking to develop more webinars which could take the place of the quarterly meetings.
- Potential for a 2021 Water Summit in mid-May. Mechanics Bank Arena desired location.

Delta Conveyance Planning and Permitting Timeline



Other Permits and Processes (mid-2024)

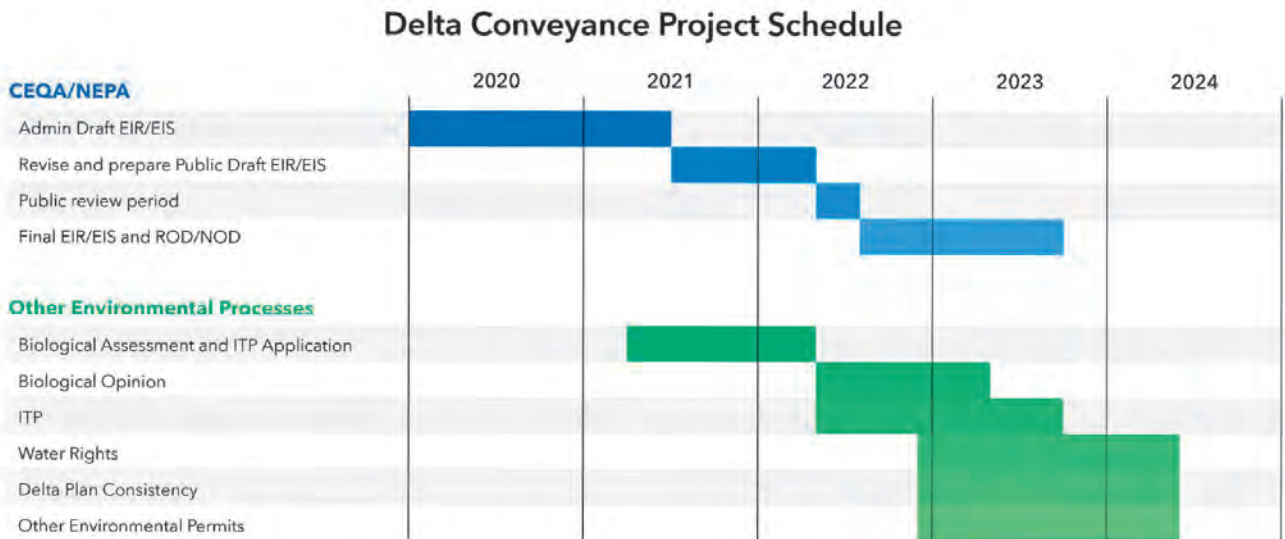
Water Rights (SWRCB – CPOD)
Delta Plan Consistency (DSC)
Other Environmental Permits (404, 408, etc)

CESA 
ESA 

November 12, 2020

Updated Planning Costs for the DCP

(October 20, 2020)



Delta Conveyance Project Planning Phase Costs

[illegible]



Board Members:
Rodney Palla, Chair
Gene Lundquist
Bob Smith

KERN RIVER GSA
REGULAR MEETING (See attached notice)

Thursday, November 5, 2020
10:00 a.m.

THERE IS NO PHYSICAL LOCATION FOR THIS MEETING

Please join this meeting from your computer, tablet or smartphone.
<https://global.gotomeeting.com/join/236811757>

You can also dial in using your phone.
United States: [+1 \(408\) 650-3123](tel:+14086503123)

Access Code: 236-811-757#

AGENDA

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PUBLIC STATEMENTS**
- 4. APPROVAL OF MINUTES** of the September 3, 2020, Regular Meeting
- 5. NEW BUSINESS**
 - A. Correspondence received (City Clerk)
 - B. Finance Updates (Randy McKeegan)
 - i. Receive and File Financial Report
 - C. Management Group Updates (Beard, Chianello, Teglia)
 - i. Approval of KRGSA Boundary Adjustment Request related to East Niles Community Services District and Arvin-Edison Water Storage District
 - ii. Approval of 2021 KRGSA Meeting Calendar
- 6. COMMITTEE COMMENTS**
- 7. ADJOURNMENT**

KERN GROUNDWATER AUTHORITY

Regular Meeting of Board of Directors
October 28, 2020 8:00 a.m.

NOTICE: Pursuant to the Governor's Executive Order N-29-20 this meeting will be conducted by teleconference. All parties/public may attend the meeting via teleconferencing and offer public comments by phone, using the call-in information below:

Zoom:

<https://us02web.zoom.us/j/88661782232?pwd=aHRlcTZ5UjVhQTUvRzdRUUpHejV0Zz09>

Meeting ID: 886 6178 2232

Passcode: 244384

Telephone Dial-in: (669)900-6833

Kern Groundwater Authority Board of Directors Agenda

This meeting is held in accordance with the Governor's Executive Order N-29-20 and portions of the Brown Act pursuant to Section 54956 of the California Government Code and the Kern Groundwater Authority Joint Powers Agreement.

1. Roll Call - Quorum Determination

In the absence of a quorum of the Board the meeting will be adjourned.

2. Public Input

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board matters of which the Board may not be aware and which are not on the current agenda. No action can be taken on any matter raised during this portion of the meeting; however, a Board member may request that the matter be placed on any future agenda for further review and possible action. Members of the public may directly address the Board of Directors on any item of interest within the Board's subject matter jurisdiction, before or during the Board's consideration of the item. The President may limit the time allowed for comment.

3. Approval of Minutes

a. September Regular Board Meeting Minutes*

4. Treasurer's Report

a. Financial Report & Accounts Payable*– September

5. Attorneys Report

6. Executive Director Report

a. Discussion & Adoption of 2021 Budget*

-
- b.** Adoption of 2021 KGA Board meeting dates*
 - c.** Discussion & Selection of the 2021 Chair, Vice-Chair & Executive Committee*
 - d.** Data Management Service - update
 - e.** Accomplishments
 - f.** Forward Work Plan

7. New Business

This Portion of the Meeting is set aside to provide each Board member an opportunity to bring to the attention of other Board members and the public matters which have come to their attention and/or which may be appropriate for future consideration. No action can be taken on any matter raised during this portion of the meeting; however, a Board member may request that the matter be placed on any future agenda for further review and possible action.

8. Correspondence

9. Closed Session

10. Adjournment

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the Authority provide disability-related modification or accommodation in order to participate in any public meeting of the Authority. Such assistance includes appropriate alternative formats for the agendas and agenda packets. Requests should be made in person, by telephone, facsimile and/or written correspondence to the Authority office, at least 48 hours before a public Authority meeting. Written materials related to an item on this agenda to be considered in open session that are public documents and that are distributed to board members after the posting of the agenda, will be made available for public inspection when they are so distributed at the office of the Authority located at 1800 30th Street, Ste #280, Bakersfield, California during normal business hours. Documents that are public documents provided by others during a meeting will be available at the same location during business hours after the meeting.

South Valley Water Resources Authority (SVWRA)
Board Agenda

October 22nd, 2020 at 10:30 am
via Zoom Internet Meeting

Join Zoom Meeting
<https://zoom.us/j/9505389847>;
Meeting ID: 950 538 9847

Call to Order

- 1. Public Input**—This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee members any matter not on the agenda and over which the Committee has jurisdiction, provided no action shall be taken on any such matter unless otherwise provided.
- 2. Approval of Previous Minutes**
- 3. Directors Forum** – discussion only, no action
 - a. SGMA
 - b. SWP & KCWA
 - c. Other
- 4. New Business for Consideration at Future Meetings and Announcements**
- 5. Adjournment**

**Project Management Committee (Special Activity Agreement #1)
of South Valley Water Resources Authority (SVWRA)**

**Fish Friendly Diversion Project
Agenda**

**October 22nd, 2020 at 10:35 am
via Zoom Internet Meeting**
<https://zoom.us/j/9505389847>;
Meeting ID: 950 538 9847

Call to Order

- 1. Public Input**—This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee members any matter not on the agenda and over which the Committee has jurisdiction, provided no action shall be taken on any such matter unless otherwise provided.
- 2. Approval of Previous Minutes**
- 3. Financial Reports**
 - a. Presentation of financial reports.
 - b. Consideration of accounts payable
- 4. Project Updates**
 - a. Water Blueprint for the San Joaquin Valley.
- 5. New Business for Consideration at Future Meetings and Announcements**
- 6. Adjournment**



Water Association of Kern County
Board Meeting
October 27, 2020
Zoom Video Call

Agenda

1. Call to order Scott Thayer, Vice President
2. Minutes
3. Financial Statements – Dana Munn
 - a. Budget Review
4. Webinar Committee Report
5. Magic of Water Committee Report
 - a. Clark Building & Bus Wraps
 - b. Providence update
6. Annual Meeting
 - a. Proposed Bylaw Amendment – Steve Torigani
 - b. Nominating Committee – Jeanne Varga
 - c. Water Leader of the Year and Water Legacy Awards
7. Water Summit 2021
8. Staff Requests
9. Adjournment



This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

Disconnect Switch Statement:

The location of the disconnect switch after installation shall comply with Article 600.6(A)(1) of the National Electrical Code.



Client Name:
WAKC
File Name:
Building Wrap
Email Address:
jenny@wakc.com

Start Date: 10/14/20
Last Revision: 00/00/0000
Revision #: 1
Work Order#: 7645
Install Location:
Page: 1

.....
Client Approval
.....
.....
Landlord Approval

Please double-check this layout for errors in spelling, dimensions, colors and other criteria. Acceptance of this by your signature will be considered as approval to begin manufacture as shown here.

Sales Rep:
Troy
Designer:
Stephanie



4000 Fruitvale Ave. Suite 1 • Bakersfield, CA. 93308 • (661)392-1037 • troy@ASBako.com



This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

Disconnect Switch Statement:

The location of the disconnect switch after installation shall comply with Article 600.6(A)(1) of the National Electrical Code.

advanced sign
CONTRACTORS
AdvancedSignContractors.com
CA Lic 990863

Client Name:
WAKC
File Name:
Building Wrap
Email Address:
jenny@wakc.com

Start Date: 10/14/20
Last Revision: 00/00/0000
Revision #: 1
Work Order#: 7645
Install Location:
Page: 1

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Client Approval
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Landlord Approval

Please double-check this layout for errors in spelling, dimensions, colors and other criteria.
Acceptance of this by your signature will be considered as approval to begin manufacture as shown here.

Sales Rep:
Troy
Designer:
Stephanie



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To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: November 17, 2020

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

RECOMMENDATION:

Receive report, informational item only.

DISCUSSION:

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

Kern Fan Recovery Activity:

- As of November 10, 2020, several Kern Fan projects were recovering groundwater (roughly 140cfs from 29 wells) as reported via KCWA weekly call.
- See attached graphs provided by KCWA.

Pioneer Participant Meeting:

- The Pioneer Project Participant group met November 12, 2020.
- 2021 Pioneer Project Budget.

Kern Fan Monitoring Committee:

- No Report

KDWD Water Banking Project:

- With the SWP allocation increasing to 20%, Metropolitan Water District notified Kern Delta regarding reducing their request for return water. Kern Delta delivered return water to MET until August 27th.

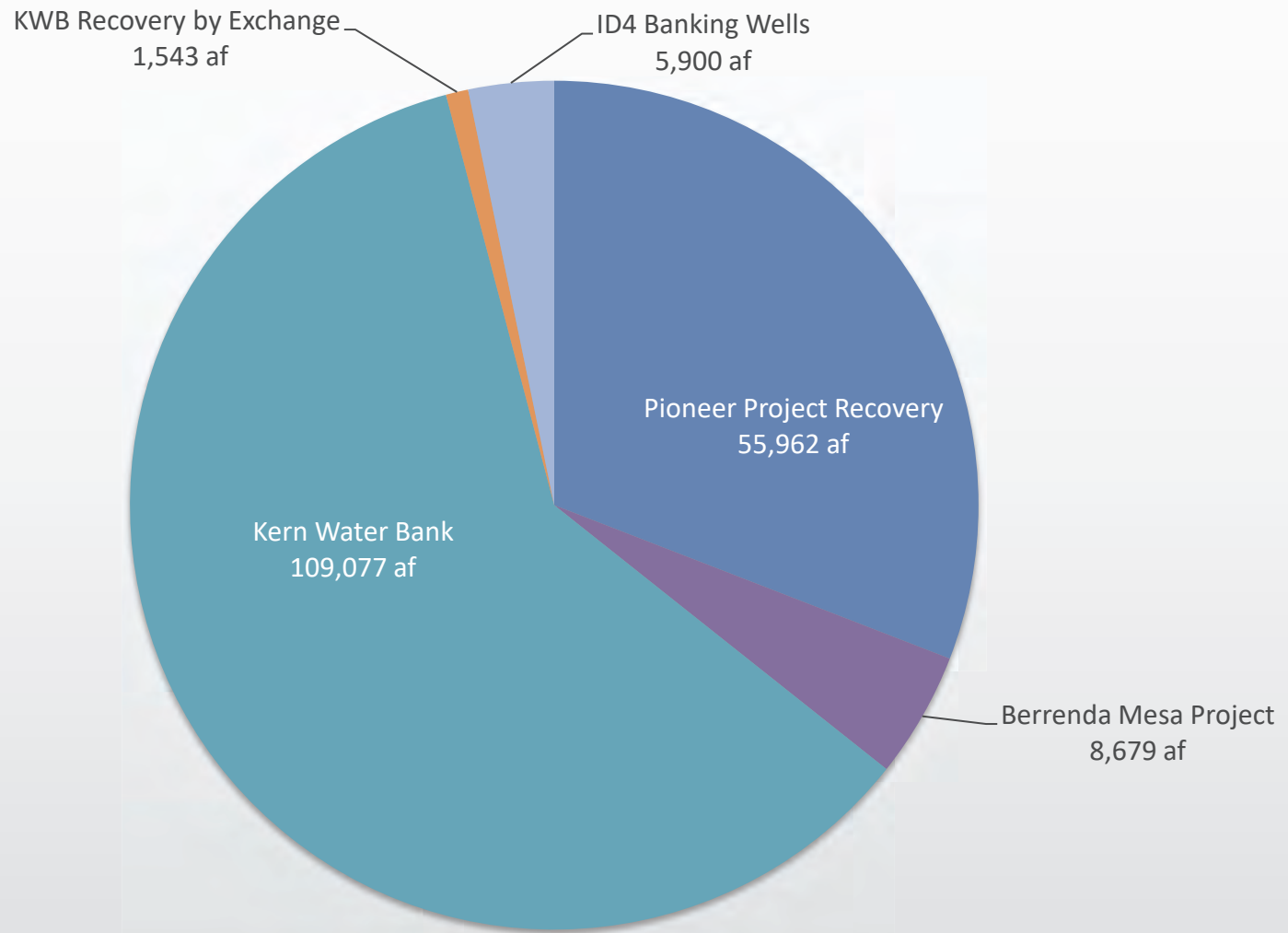
Cross Valley Canal Advisory Committee:

- The CVC Advisory Committee met October 21, 2020.
- Most water in the CVC is groundwater running in reverse flow to the California Aqueduct. There are some deliveries to AEWS and the Friant Kern Canal.
- See attached CVC graphs provided by KCWA.

- Continued discussion regarding CVC capacity study (special meeting held October 21,2020).
- Pioneer Inlet Project cost allocation discussion. Project to be completed on an integrated canal project basis.

**Kern Fan Banking Projects
2020 Estimated Gross Recovery by Project
Through September 30, 2020**

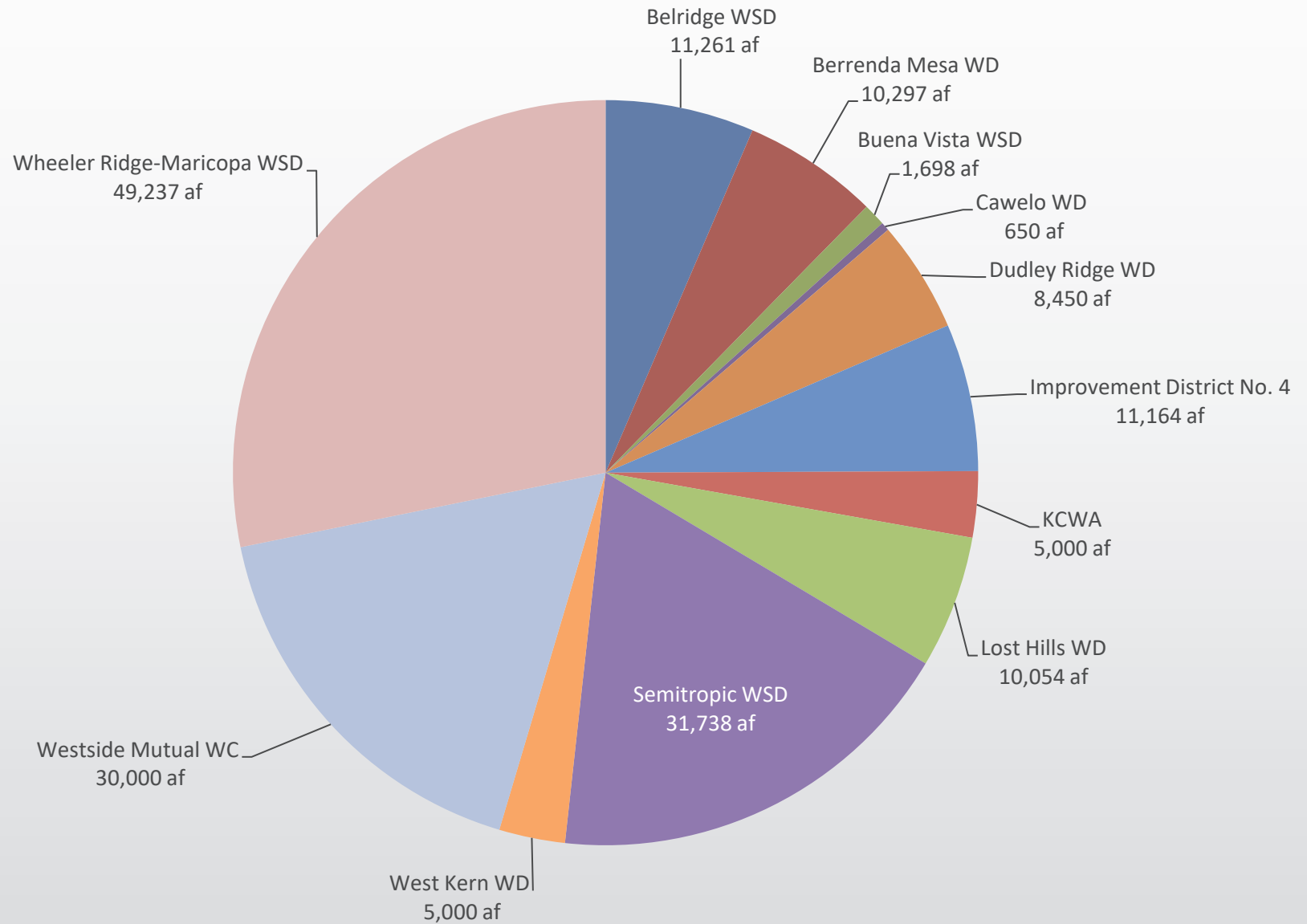
Attachment 1



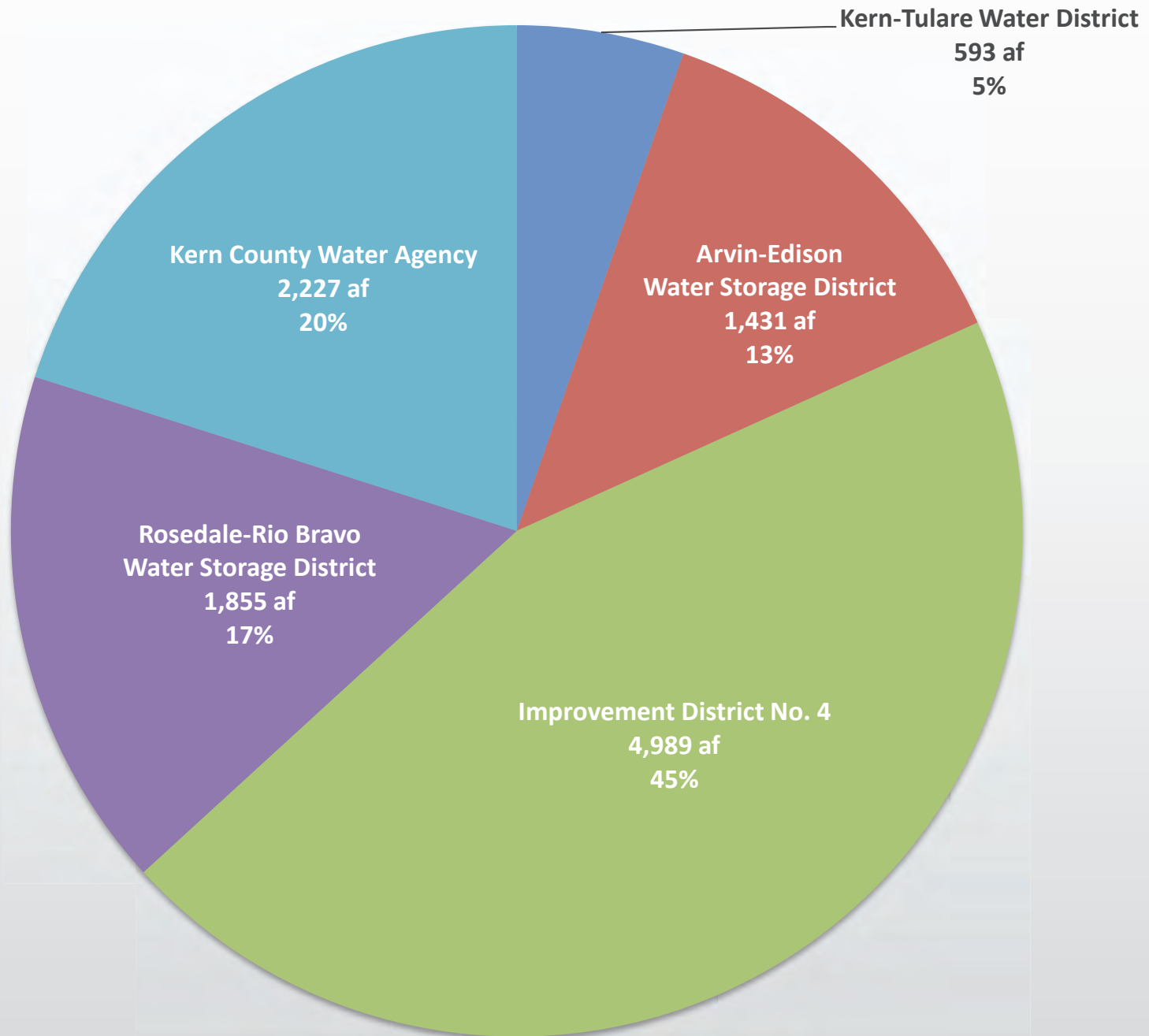
Total Gross Recovery 179,618 af; Total Recovery by Exchange 1,543 af

**Kern Fan Banking Projects
2020 Estimated Recovery by Participant
Through September 30, 2020**

Attachment 2



**Cross Valley Canal
September 2020 Deliveries
Total deliveries 11,095 af**



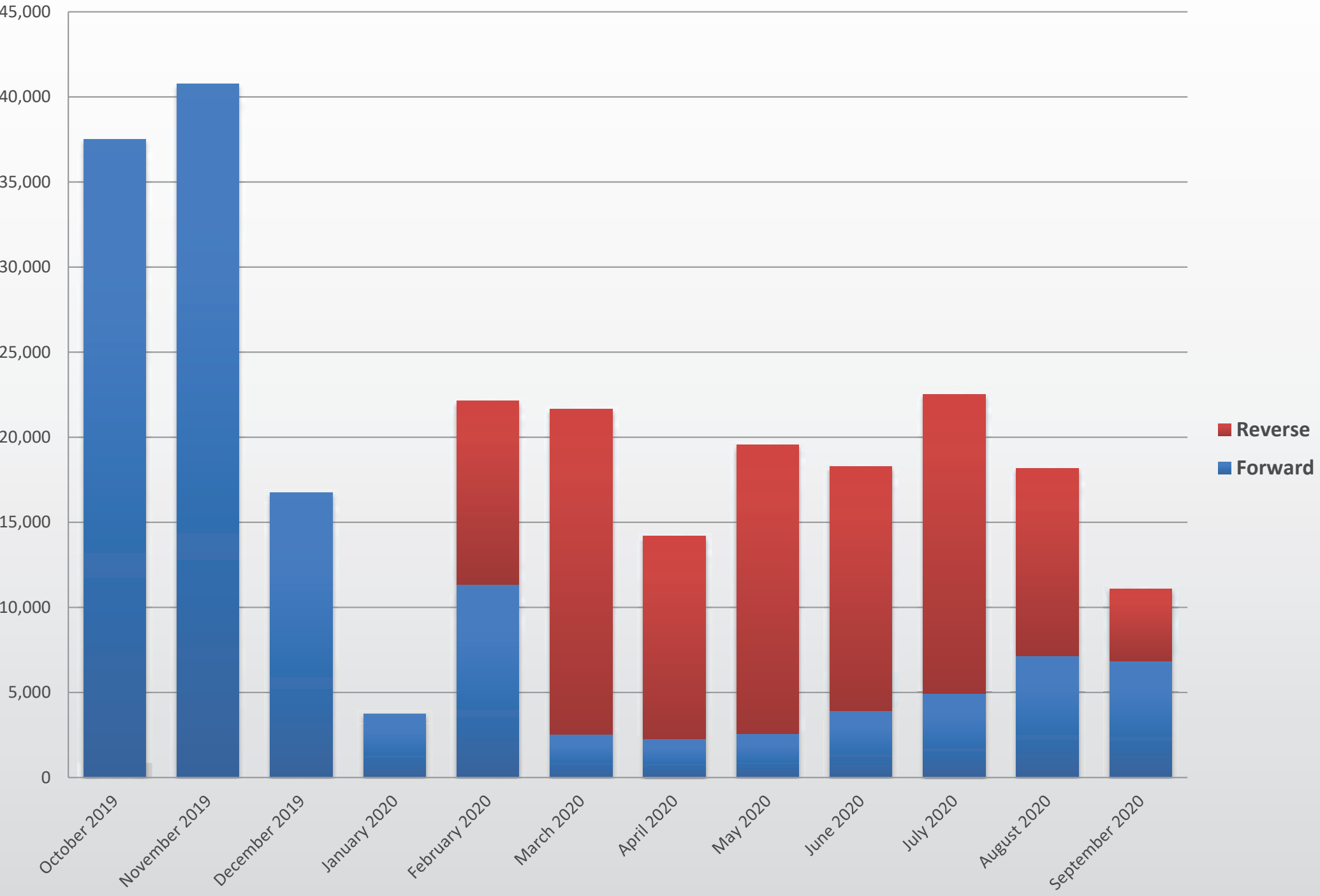
**Cross Valley Canal
Deliveries by Direction and Source
2020**

Deliveries are shown in acre feet

	Deliveries by Direction			Deliveries by Source				
	Forward Flow	Reverse Flow	Total	State Water Project	Central Valley Project	Kern River	Recovered Groundwater	Total
January	3,727	-	3,727	1,221	2,506	-	-	3,727
February	11,327	8,765	20,092	-	10,837	-	9,255	20,092
March	2,535	19,133	21,668	-	-	-	21,668	21,668
April	2,281	11,896	14,177	-	-	-	14,177	14,177
May	2,560	17,009	19,569	-	-	-	19,569	19,569
June	3,942	14,353	18,295	-	-	768	17,527	18,295
July	4,950	17,587	22,537	-	-	8,342	14,195	22,537
August	7,163	11,021	18,184	133	-	3,838	14,213	18,184
September	6,846	4,249	11,095	721	-	-	10,374	11,095
October	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Total	45,331	104,013	149,344	2,075	13,343	12,948	120,978	149,344

Cross Valley Canal

Twelve Month Delivery by Direction



Cross Valley Canal

Twelve Month Delivery by Source

