

MEMORANDUM

TO: SLDMWA BOARD OF DIRECTORS

FROM: TOM BOARDMAN, WATER RESOURCES ENGINEER

SUBJECT JANUARY OPERATIONS UPDATE

DATE: JANUARY 8, 2021

Project Operations

- Persistently low delta inflow has forced Jones pumping to remain at 20% of capacity since about mid-November. Exports may increase during the next week, but only if the approaching storms are enough to increase delta inflow and/or Project operators adjust export sharing under the COA.
- SWP exports pumped about 100 TAF during December. The SWP pumping was about double the CVP amount due to COA accounting adjustments and efforts to minimize the cycling of Jones pumps.
- Sac Valley precipitation during December was only 40% of the monthly average. Accumulated precipitation for the season is also about 40% of average. However, based on past years that had an equivalent precipitation deficit, the chances are slightly better than even that the precipitation for the season will improve to the annual average.
- The current storage in Shasta is about 2.05 MAF; a dismal 20 TAF increase during the past week due to the recent feeble storms. Releases are holding at Reclamation's target minimum level of 3,250 cfs to conserve storage. Reclamation's latest conservative forecast shows Shasta peaking at about 2.5 MAF by late March; a reduction of nearly 300 TAF shown in Reclamation's November forecast.
- Folsom storage has been dropping by about 5 TAF per week over the past several weeks bringing the current storage to 287 TAF. With snowpack at about 55% of average, releases were recently reduced from 1250 cfs 1185 cfs to conserve storage.
- CVP demands were about 57 TAF during December; about equal to the 15-year average.

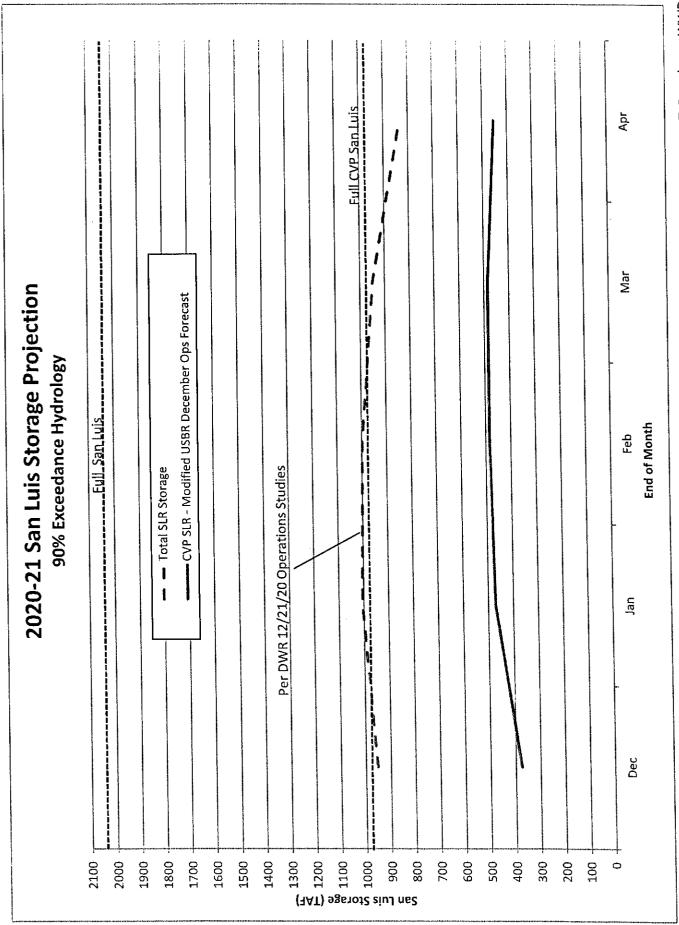
2021 San Luis Operations

CVP exports during December fell short of expected levels by 100 TAF and 180 TAF under dry and average hydrologic conditions, respectively. As such, CVP San Luis refill projections have slipped proportionately.

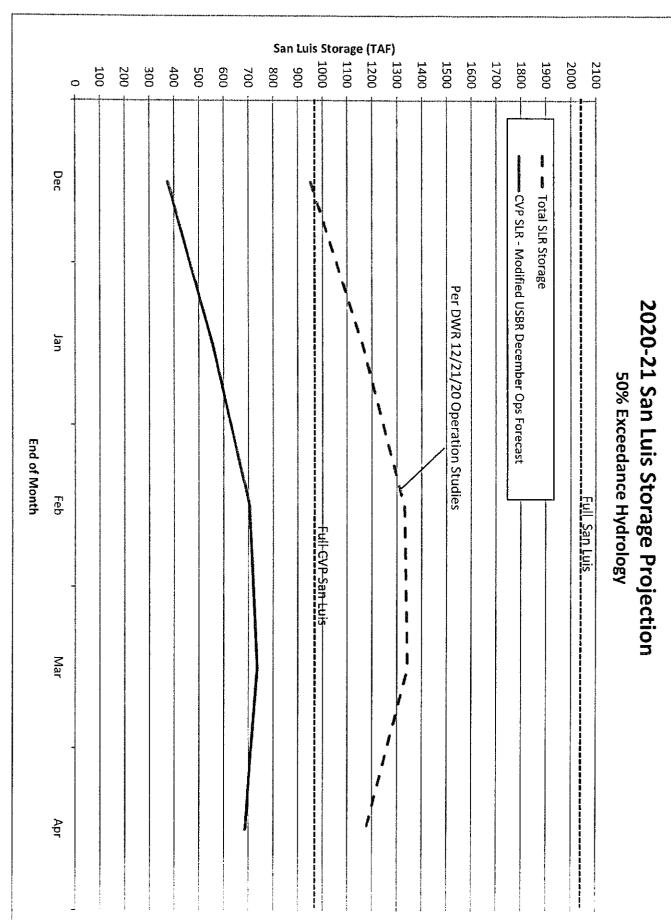
As shown on the attached San Luis storage projection graphs, under dry conditions, the reservoir will refill to about 50% of capacity by late February and storage will remain flat through March. With average hydrology and minimal export cuts for fish protections, CVP San Luis is now projected to reach its peak storage by late March and will fall short of filling by about 220 TAF.

Based on expected CVP San Luis refill levels and summer exports, the table below contains possible contractor allocations.

100	57-07	20-30	Average Year (50% Exc.)
<u>ē</u> L	09-05	01-0	Dry Year (90% Exc.) Shasta Critical
Water Rights & (%) səguləA	(%) upd1U	(%) əsivrə8 gA	Hydrology







T. Boardman, WWD 1/6/2021



DEL PUERTO WATER DISTRICT 2020-21 SUPPLY/USE/COMPLETED TRANSACTIONS SUMMARY as of December 31, 2020

Supply Type	2020-21
2019-20 Rescheduled Contract Supply	14,021
Lees: Monthly 1% Storage Loss Est.	(184)
Sub-Total: Rescheduled Supplies	13,837
2020 CVP Allocation (20%)	28,042
2020 Ground Water Pump-ins	527
2011-2014 RWSP Completion	1,683
2020 NVRRWP	19,482
2020 SLCC Exchange	250
2020 CCID Exchange	2,109
2020 Customer Transfer In	6
Sub-Total: Current Year Customer Supplies	52,099
2020 YCWA	3,171
2020 GWD Transfer	399
2020 Volta Wells Transfer	198
2020 AEWSD Return	4,000
2020 LTRID Return	1,500
2020 SJRECWA Transfer	5,938
Subtotal: Outside Purchases	15,206
Total Gross Projected Supply Available	81,142

Dec 2020 Quantity	Completed to Date
	14021
	(184)

141	527
0	1683
0	18807
0	250
0	2109

	1
0	2588
84	299
0	198
0	4000
0	1500
0	5938

2019-20 IN DISTRICT USE		2020-21 IN DISTRICT USE	2020-21 OCRRP USE	2020-21 TRANSFERS OUT	2020-21 MONTHLY USE
564	MAR	2,704			2,704
5,352	APR	4,123			4,123
7,059	MAY	7,286		1,491	8,777
9,914	JUN	8,931		6,217	15,148
12,238	JUL	9,443		2,551	11,994
8,866	AUG	6,967		1,600	8,567
6,320	SEP	4,545		250	4,795
4,454	ост	3,742		730	4,472
2,222	NOV	2,183		136	2,319
7	DEC	681			681
117	JAN				0
2,803	FEB				0
59,916		50,605	0	12,975	
	L		TOTAL US	SED & TRANSFERRED OUT	63,580
				TOTAL SCHEDULED	2,771
		TOTAL EST	IMATED FOR RES	CHEDULING INTO 2021-22	14,791
			TOTAL GROSS	PROJECTED SUPPLY AVAILABLE	81,142

NOTE: The District has 3,425 AF in storage at AEWSD and 2,000 AF in storage at LTRID as of 8/31/20.

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Del Puerto Water District

Staff Memo

VII.C.

To: Adam, Jaclyn, Sandra, Minnie

From: Anthea

Date: January 13, 2021

Subject: Post-2020 Irrigable Acreage

Since the formation of the District, DPWD's CVP Contract has provided 140,210 Af for the irrigation of 45,229 irrigable acres at 3.1 AF/acre. (45,229 acres \times 3.1 AF/acre equals 140,210 AF rounded).

Per Board Direction, beginning with the 2021-22 Water Year, the District will ratably allocate 3.2 AF/acre to each irrigable acre eligible for water service in the District. This will result in a "new" irrigable acreage to balance to in the database and on our tracking sheets. It will be important to carefully manage this transition so we do not lose our reference point for balancing all of our work, and in some cases we will still reference the 45,229 acres.

The new number to be mindful of will be $\underline{43,815}$ irrigable acres (43,815 acres \times 3.2 AF/acre equals 140,208 AF rounded to 140,210).

In the database for 2021, this is how the breakdown will look:

Customers: 41,275 Acres

District Bank: 516 Acres (retired AKT 496 & 20 ac Stan Prop)

ZZ-SWPP/ZZ - N/A 1,334 Acres (retired SWPP Lands)

ZZ - District/ZZ - N/A 690 Acres

Total Irrigable Acreage 43,815 Acres

Let me know if anything comes up as we work through this transition on our records going forward.

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From: Jessica Wright <jwright@gwdwater.org>
Sent: Monday, December 21, 2020 4:56 PM

To: Jessica Wright

Subject: Incremental Level 4 Groundwater Project Renewal Notice of Intent to Adopt Initial Study

and Proposed Negative Declaration

Notice of Intent to Adopt Initial Study and Proposed Negative Declaration

Environmental Determination: The Grassland Water District (GWD or District) has evaluated the proposed Project in conformance with the California Environmental Quality Act to determine whether the Project poses any potentially significant impacts on the environment. As described below, GWD has determined that the Project will have no significant effect on the environment; accordingly the District proposes to adopt a Proposed Negative Declaration. The Initial Study and Proposed Negative Declaration are available electronically by email, a hard copy can be mailed upon request or viewed on the Grassland Water District website http://gwdwater.org/grassland-water-district-incremental-level-4-groundwater-project-renewal.

The District will accept written comments from the public beginning on Monday, December 21, 2020, and ending at 3:00 pm on Tuesday, January 11, 2020.

Project Title: Grassland Water District Incremental Level 4 Groundwater Project Renewal **Project Location and Description**: Merced County

The Grassland Water District Incremental Level 4 Groundwater Project Renewal (Project) will allow the Grassland Water District, located in western Merced County, to acquire up to 29,000 acre-feet per year of local groundwater supplies and/or exchange a portion of its Level 2 surface water for such groundwater supplies, to assist the Bureau of Reclamation in meeting its water supply obligations under the Central Valley Project Improvement Act, Title 34, Public Law 102-575 ("CVPIA"). Under CVPIA Section 3406(d), the Secretary of the Interior must provide firm water supplies of suitable quality to maintain and improve wetland habitat areas in the Central Valley of California. The Grassland Water District supplies water to the Grassland Resource Conservation District (GRCD), one of the wetland areas in the San Joaquin Valley that is a recipient of CVPIA water supplies.

The Project allows for the continued implementation of water acquisition and exchange agreements between the United States Bureau of Reclamation and the Grassland Water District or its partner districts, and it allows for water acquisition agreements between the Grassland Water District and private landowners for the acquisition of groundwater supplies for use within the GRCD.

Project Sponsor: Grassland Water District

Interested persons are invited to submit written comments during the public comment period to Ric Ortega, Grassland Water District, P.O. Box 2118 \cdot 200 W. Willmott Avenue, Los Banos, CA 93635, or rortega@gwdwater.org.

Public Hearing: A virtual public hearing will be held at the Grassland Water District office at 3:00 pm on January 11, 2020. To access the meeting agenda and virtual participation options, please visit http://gwdwater.org/board-meeting-notices/

Dated: December 21, 2020

Ric Ortega <rortega@gwdwater.org> Friday, January 15, 2021 9:19 AM

Anthea Hansen

Re; GWD IL4 GPR

From: Sent: To:

Subject:

:D)

Hi Anthea. Yes my board adopted Tuesday and Reclamation is moving forward with issuing a FONSI.

Ric Ortega

General Manager

Director of Policy & Governmental Affairs Grassland Water & Resource Conservation Districts

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On lan 15, 2021, at 9:12 AM, Anthea Hansen Ahansen@delpuertowd.org> wrote:

H! Bic,

Any updates on the IS/ND?

Sincerely, Anthea

A**nthea G. Hansen** General Manager Del Puerto Water District

From: Anthea Hansen Sent: Monday, January 04, 2021 7:49 AM To: rortega <rortega@gwdwater.org> Subject: GWD IL4 GPR

6977-768-607 XA7/0744-508-602 H9

Happy New Year Ric!

If you need a positive comment letter or public comment January 11 on the IS/ND, let me know. Thanks for including DPWD in your continues planning and operations.



Anthea Hansen

From:

Frances Mizuno <frances.mizuno@sldmwa.org>

Sent:

Friday, January 15, 2021 1:26 PM

To:

Anthea Hansen; Ara Azhderian; Jeff F. Cattaneo; Cindy Kao; 'Dana Jacobson'; Lon Martin;

rfreeman@westlandswater.org; Katrina Jessop; Adam Scheuber

Cc:

Pablo Arroyave; Federico Barajas; Joyce Machado; Melody Hernandez; Marta Rivas

Subject:

2021 Exchange Contractor Water Transfer

Attachments:

Excuted SJRECA_USBR_SLDMWA 2019-2023 Water Transfer Agreement No. 19-

WC-....pdf; SLDMWA_EC 2019-2023 Water Transfer Program Activity Agreement_04_22

2019EXECUTED.pdf

Importance:

High

Exchange Contractor Water Transfer Activity Agreement Participants,

To assist in your planning for the 2021 Water Year, below is information related to the Exchange Contractor Water Transfer Program:

- Attached is the 2019-2023 Exchange Contractor/Reclamation /SLDMWA Water Transfer Agreement (Transfer Agreement) and the 2019-2023 Exchange Contractor Water Transfer Activity Agreement for ready reference. Exhibit A of the Transfer Agreement provides for the cost of the 2021 Water based on SOD Ag Service Allocation as of June 15. Exhibit B provides the allocation of the total 80.000 AF to SLDMWA and Reclamation.
- 2. The allocation of the Authority's quantity for Activity Agreement Members are:

DPWD- 8.64%

PWD-5.79%

SBCWD- 2.19%

SLWD- 7.71%

Valley Water- 2.04%

WWD-73.64%

3. The first 5,000 AF of the total 80,000 AF is available to M&I Contractors at the following allocation:

SBCWD- 5% (up to 250AF)

SLWD- 3% (up to 150AF)

Valley Water- 87% (up to 4,350 AF)

WWD- 5% (up to 250 AF)

4. The Authority needs to notify the Exchange Contractors by February 1 (Option Date) as to the quantity of M&I Water up to 5,000 AF the M&I Contractors wishes to purchase. This notice must be accompanied by a non-refundable payment of \$40/AF for the amount requested. The M&I Contractors have until March 1 (Call Date) to provide written notice on the final quantity of M&I water they wish to purchase.

For the M&I Contractors wishing to purchase M&I water, please be prepared to provide me with the quantity of M&I water you wish to purchase along with a check payable to the Authority for the Options payment by January 28 at the latest. This will allow us to notify the Exchange Contractors by February 1 along with the remittance of the \$40/AF payment for the quantity of M&I water requested for purchase.

Please contact me should you have any questions. Thank you.

Frances



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SOD AG Allocation		2019		2020		2021		2022		2023
0%	\$	530.00	\$	_	\$		\$	579.15	\$	596.5
5%	\$	530.00	\$		\$		\$	579.15	\$	596.5
10%	\$	505.00	\$		\$		\$	551.83	\$	568.3
15%	\$	480.00	\$		\$		\$	524.51	\$	540.2
20%	\$	451.50	\$		\$		\$	493.37	\$	508.1
25%	\$	434.00	\$		\$		\$	474.24	\$	488.4
30%	\$	417.50	\$		\$		\$	456.21	\$	469.9
35%	1\$	400.00	\$		\$		\$	437.09	\$	450.2
40%	\$	375.00	\$		\$	397.84	\$	409.77	\$	422.0
45%	\$	375.00	\$		\$	397 84	Š	409 77	\$	422 (
50%	\$	320.00	\$	329.60	\$	339.49	\$	349.67	\$	360.1
55%	\$	300.00	\$	309.00	\$		\$	327.82	\$	337.6
60%	\$	250.00	\$	257.50	\$		\$	273.18	\$	281.3
65%	\$	210.00	\$	216.30	\$		\$	229.47	\$	236.3
70%	\$	190.00	\$	195.70	\$	201.57	\$	207.62	\$	213.8
75%	\$	175.00	\$	180.25	\$		\$	191.23	\$	196.9
80%	\$	160.00	\$	164.80	\$		\$	174.84	\$	180.0
85%	\$	135.00	\$	139.05	\$	143.22	\$	147.52	\$	151.9
90%	\$	110.00	\$	113.30	\$	116.70	\$	120.20	\$	123.
95%	\$	95.00	\$	97.85	\$	100.79	\$	103.81	\$	106.
100%		80.00	\$	82.40	\$	84.87	\$	87.42	\$	90.
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3% per year increase



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VII.C.

Article 7.

Critical Calendar Year. For purposes of this contract, a critical calendar year exists in either of the two immediately following eventualities:

- (1) The forecasted full natural inflow to Shasta

 Lake for the current water year (October 1 of the preceding calendar year through September 30 of the current calendar year), as such forecast is made by the United States, on or before February 15, and reviewed as frequently thereafter as conditions and information werrant, is equal to or less than 3,200,000 acre-feet, or
- (2) The total accumulated actual deficiencies below 4,000,000 acre-feet in the immediately prior water year or series of successive prior water years, each of which had inflows of less than 4,000,000 acre-feet, together with the forecasted deficiency for the current water year exceeds 800,000 acre-feet.

For the purpose of determining a critical calendar year, the computed inflow to Shasta Lake under present upstream development above Shasta Lake shall be used as the full natural inflow to Shasta Lake.

In the event that major construction completed above

Shasta Lake after September 1, 1963, materially alters the present
regimen of the stream systems contributing to Shasta Lake, the
computed inflow to Shasta Lake used to define a critical year will
be adjusted to eliminate the effect of such material alterations.

After consultation with the State, the Weather Bureau, and other recognized forecasting agencies, the United States will select the forecast to be used and will make the details of it available to the Contracting Entities. The same forecast used by the United States for the operation of the Project shall be used to make the forecasts for the operation of the Project shall be used to make the forecasts

An example of the determination of critical and noncritical years is shown below for a recurrence of the historical period 1921-22 through $193\mu-35$, an unwavelly dry period.

nereunder.

satrantia	I		:	Deficiencies		
ånrunå Tel, Year Jeel-ero <u>à</u>	Type of	Cal.	Accumulated Deficiencies Acre-feet	below 4,000,000 4991-910A	Inflow to Shasta L. Acre-feet	reten Year
<u> </u>						
940,000	noncritical	7355	٥	0	000'029'1	7921-22
000'018	noneritical	1852	000'05€	000,0≷€	000'059'€	1922-23
000°09	critical	135f	000,078,1	1,520,000	5,480,000	1923-24
000*0 11 8	noncritical	1925	0	0	000'090'\$	735H-52
000,048	Isoltivanon	926T	310,000	000.07S	000,057,5	92-526T
840,000	noncritical	Z 26T	٥	0	000'066'9	7359-5Z
000,048	noncritical	1928	á	0	000'02T'S	7927-28
000'0H8	noncrittleal	626t	000'062	000,067	\$ \$70,000	7928-29
000°048	noncritical	1320	0	Ö	000'061'h	1929-30
000,028	teoldian	1661	000 09h t	000'09h'T	5°240'000	16-056T
0001059	critical	7625	000'0LL'T	000°0T€	000'069'5	26-1661
000'059	fantatro	CE61	\$'200'000	000'055	000'0Ln's	1625-23
000 059	critical	756I	2,980,000	0001089	3,320,000	45-556T
000,048	noncritical	SEGT	Ö	0	000'026'4	55-756T

Article 8.

Quantity of Substtute Water. During all calendar years,

other than those derined as critical, the United States shall deliver to the Contracting Entitles for use bereunder an annual substitute water supply of not to exceed 840,000 acre-feet in accordance with the following maximum monthly entitlements:



January	15,000	acre	-feet
February	30,000	u	h
March	85,000	11	17
April	112,000	n	11
May	125,000	11	11
June	136,000	,II	It
July	142,000	11	11
August	138,000	н	Ħ
September	81,000	H	11
October	38,000	ţį	T.
November	25,000	-#t	11
December	15,000	H.	11

provided that the total for the calendar year shall not exceed 840,000 acre-feet, and the total for (1) the 5 months January, February, March, November and December shall not exceed 121,000 acre-feet, and (2) the total for the period April through the following October shall not exceed 719,000 acre-feet.

During all calendar years defined as critical, the United States shall deliver for such use an annual substitute water supply of not to exceed 650,000 acre-feet in accordance with the following maximum monthly entitlements:

January	15,000	acre	-feet
February	30,000	Ħ	Ú
March	85,000	316	Iŧ
April	81,000	٩ŧ	U
May	99,000	*1	ΙÉ
June	102,000	11	J£
July	107,000	41	-ti
August	97,000	ŧi	- 11
September	55,000	11	Ħ
October	29,000	ij.	Ħ
November	25,000	11	14
December	15,000	16	11

provided that the total for (1) the 5 months January, February, March, November and December shall not exceed 121,000 acre-feet,

and (2) the total for the period April through the following October shall not exceed 529,000 acre-feet.

The United States shall in no event be required to deliver substitute water at rates in excess of the following:

ροιτ	December
001,τ	Мочетрет
001,τ	Detober
5,316	September
513re	4su3ny
S'3T6	luly
5,316	unc
ڹĴΤę̀	May
5'3τ ξ	Trady
2,000	Merch
007,1	rebrusty
00L'T	January
	4
Maximum Rate-CFS	Month

However, upon request of the Contracting Entitles, the United States, at its sole option, may allow deliveries in excess of these rates if it can be done without detriment to the United States or its other obligations.

deliveries to the Contracting Entities for the period December 15 through January 15, or by mutual agreement, for a longer or different period sometime between November 1 and February 15.

The Contracting Entities shall furnish estimates of their

The United States, at its sole option, may suspend

aggregate monthly delivery requirements and their daily delivery the United States at least 48 hours prior to the beginning of the

delivery period. Changes during each weekly period may be made on 48 hours' notice by the Contracting Entities.

The responsibility for the accuracy of said schedules shall rest wholly with the Contracting Entities, and any spills or waste which may result from said schedules being in excess of requirements are to be considered therefore as a part of the substitute water provided under this contract.

In order to assist the Contracting Entities in programming their requirements under the above paragraphs the United States will inform the Contracting Entities of its forecasts as to the type of year (critical or non-critical). This shall be done on or before February 15 and reviewed as frequently thereafter as conditions and information warrant. The United States will, as soon as the necessary facts become known to it, immediately inform the Contracting Entities of any significant change in its forecasts.

In the event the forecasted type of year changes after April 1 from critical to non-critical or from non-critical to critical, the monthly quantities of substitute water applicable, after date of forecast, shall be delivered during the balance of the year. Prior deliveries of substitute water made on the basis of prior forecasts shall not affect delivery of substitute water applicable under the latest forecast.

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STANISLAUS COUNTY - Fink Road Ranch								
	APN	DISTRICT	PARCEL ACRES ±	ACRES IN DISTRICT ±	IRRIGABLE ACRES	100% ALLOCATION		
	25-12-16	Del Puerto WD	55.3	55.3	55	285		
	25-12-17	Del Puerto WD	89.44	89.44	89	915		
	25-12-31Por	Del Puerto WD	1001.018	286	286	38		
	25-12-33Por	Del Puerto WD	529.6	5	5	16		
	27-33-12Por	Del Puerto WD	26.136	<u>16</u>	<u>12</u>	<u>176</u>		
			1701.494	451.74	447	1430		

		Construction	Operations
Allocation %	Quantity	Annual Need A	Annual Need A
0%	0	-260	-20
5%	72	-189	52
10%	143	-117	123
15%	215	-46	195
20%	286	26	266
25%	358	98	338
30%	429	169	409
35%	501	241	481
40%	572	312	552
45%	644	384	624
50%	715	455	695
55%	787	527	767
60%	858	598	838
65%	930	670	910
70%	1001	741	981
75%	1073	813	1053
80%	1144	884	1124
85%	1216	956	1196
90%	1287	1027	1267
95%	1359	1099	1339
100%	1430	1170	1410

Other Background Information:

Approved October 19, 2005

^{*} The County Prepaid its Contract Conversion Assessment in the amount of \$128,736

^{*} The Maximum Water Availability Charge for the is 447 acres @ \$51/acre = \$22,797/year

^{*} Applicable Section of the District's M&I Conversion Policy

^{9.} The District will entertain other proposals from District landowners or public agencies which improve the supply and reliability for remaining agricultural uses within the District on a case-by-case basis.

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