SAN GORGONIO PASS WATER AGENCY 1210 Beaumont Avenue, Beaumont, CA Board of Directors Engineering Workshop Agenda January 8, 2018 at 1:30 p.m.

1. Call to Order, Flag Salute and Roll Call

2. Public Comment:

Members of the public may address the Board at this time concerning items relating to any matter within the Agency's jurisdiction. To comment on specific agenda items, please complete a speaker's request form and hand it to the board secretary.

3. Review of State Water Project Operations and Water Supply Situation* (p. 3)

4. Review of State Water Project Water Management Issues* (p. 23)

5. Update on Cal Water Fix

6. Discussion of Fiesta Recharge Project and Bids* (p. 26)

7. Announcements

- A. Office closed Monday, January 15, 2018 in observance of Martin Luther King, Jr. Day
- B. Regular Board Meeting, Tuesday, January 16, 2018 at 1:30 p.m.
- C. Southern California Water Committee Quarterly Luncheon, Friday, January 19, 2018 at 11:00 a.m. Victoria Club 2521 Arroyo Drive, Riverside
 D. Sinness and Budget Workshop, January 20, 2018 at 1:20 m
- D. Finance and Budget Workshop, January 22, 2018 at 1:30 p.m.

8. Closed Session (3 Items)

A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Paragraph (1) of subdivision (d) of Government Code Section 54956.9 Name of case: San Gorgonio Pass Water Agency vs. Beaumont Basin Watermaster Case No. RIC 1716346

B. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Pursuant to Government Code Section 54956.8
Property: Potential transfer of State Water Project rights/supplies among
State Water Project Contractors
Agency negotiator: Jeff Davis, General Manager
Negotiating parties: Dudley Ridge Water District, Dale Melville, Manager-Engineer
Under negotiation: price and terms of payment

C. CONFERENCE WITH REAL PROPERTY NEGOTIATORS Pursuant to Government Code section 54956.8 Property: Potential water rights/supplies offers from the City of Ventura Agency negotiator: Jeff Davis, General Manager Negotiating parties: Lynn Takaichi Under negotiation: price and terms of payment

9. Adjournment

*Information included in Agenda Packet

(1) Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for Public inspection in the Agency's office at 1210 Beaumont Avenue, Beaumont during normal business hours. (2) Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Agency's office, located at 1210 Beaumont Avenue, Beaumont, California 92223, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Web site, accessible at http://www.sgpwa.com." (3) Any person with a disability who requires accommodation in order to participate in this meeting should telephone the Agency (951 845-2577) at least 48 hours prior to the meeting in order to mak 1 / 2.8 a disability-related modification or accommodation.





Total Water Year Precipitation



Total Water Year Precipitation



Total Water Year Precipitation

Office of Governor Edmund G. Brown Jr.

Natural Resources Agency John Laird Pepartment of Water Resources Grant Davis

Top DWR Sites

Drought

Groundwater

California WaterFix

CA Water Plan

Public Notices



Managing & Protecting California's Water Resources

The Department of Water Resources (DWR) is responsible for managing and protecting California's water resources. DWR works with other agencies to benefit the State's people and to protect, restore and enhance the natural and human environments.

Spotlight



Media gather at Phillips Station in the Sierra Nevada for January's snow survey. DWR/2018.

Ramfall in California was far above average in November. Then came December, one of the state's driest months on record. It's not a surprise that the first snow survey of the season, on January 3, revealed meager results: just 0.4 inches of snow water equivalent (SWE). The average for early January readings at Phillips Station, in the Sierra Nevada, is 11.3 SWE inches.

Electronic readings show that the average statewide SWE is 2.6 inches, or just 24 percent of the

January 3 average.

"As we're only a third of the way through California's three wettest months, it's far too early to draw any conclusions about what kind of season we'll have this year," said DWR Director Grant Davis.

California's wettest months are December through February, so there's still time for Mother Nature to build her mountain "reservoir" and eventually provide the runoff California needs when it melts.

For more information on January's snow survey, read our press release.

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Tweets by @CA_DWR

CA - DWR Retweeted



A dry December means CA has a below-average snowpack. Rain or shine, conservation is a way a life, visit saveourwater.com for water-

Embed View on Twitter

Jeff Davis

|--|

Sent: To: Subject: State Water Contractors <mtonetti=fionahuttonassoc.com@mail241.atl21.rsgsv.net> on behalf of State Water Contractors <mtonetti@fionahuttonassoc.com> Wednesday, January 3, 2018 11:48 AM Jeff Davis First Manual Snow Survey of Year Reveals Below-Average Water Content, Highlights Need for Improved Water Capture System



Press Release

FOR IMMEDIATE RELEASE:

January 3, 2018

<u>CONTACT:</u>

Michael Tonetti mtonetti@fionahuttonassoc.com 818-760-2121

First Manual Snow Survey of Year Reveals Below-Average Water Content, Highlights Need for Improved Water Capture System

Dry Start to Water Year Underscores Volatility of California's Climate

Sacramento, CA – The California Department of Water Resources today conducted its first manual snow survey of the new water year at Phillips Station, determining water content in the Sierra Nevada snowpack to be three percent of average for this time of year. After California's wettest year on record last year, the 2017-2018 water year has been off to a considerably dry start, with precipitation levels across the state lower than anticipated. State Water Contractor members use DWR's monthly snow surveys to anticipate runoff from the mountains during the spring snowmelt and better plan their yearly operations. "This first survey reiterates California's need for water infrastructure that can keep up with our increasingly dynamic climate," said Jennifer Pierre, general manager of SWC. "A flexible water system will allow us to more effectively capture water during wet years and in turn, better endure dry periods like we've seen so far this winter."

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The State Water Contractors is a statewide, non-profit association of 27 public agencies from Northern, Central and Southern California that purchase water under contract from the California State Water Project. Collectively the State Water Contractors deliver water to more than 25 million residents throughout the state and more than 750,000 acres of agricultural land.

For more information on the State Water Contractors, please visit www.swc.org



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SFGATE

https://www.sfgate.com/news/article/There-s-almost-no-snow-in-the-Sierra-but-water-12471125.php

There's almost no snow in the Sierra, but water officials aren't panicking

By Peter Fimrite Updated 11:58 am, Wednesday, January 3, 2018



IMAGE 1 OF 13

Frank Gehrke, chief of the California Cooperative Snow Surveys Program for the Department of Water Resources, right, plunges the snow survey tube into the snow pack, as DWR's Wes McCandless looks on. ... more

The giddiness California water resources officials felt last winter as storms dropped record amounts of rain and snow has faded under a relentless barrage of blue sky and sun, but this week's promise of stormy weather is giving them hope.

Snow surveyors measured only 3 inches of water in the Sierra snowpack Wednesday, a dismal 24 percent of average for this time of year.

The paltry measurements came as the California Department of Water Resources

conducted its first of five monthly snow surveys, which sample snow in hundreds of places across the Sierra in an attempt to measure the state's frozen water supply and predict how much will end up in reservoirs.

The central Sierra, including the Lake Tahoe region, stands at 29 percent of average, better than the rest of the state. The northern portion of the Sierra is at 21 percent of normal and the south is at 20 percent of the historical average for this time, according to the surveys.



00:02 (10) 00:58 HD rd Northern California, Carlson said, "we hope that we see something akin to normal rainfall this winter. However, we don't know what's going to come this way."



Carlson acknowledged that things aren't off to a good start. Last month was the fourthdriest December on record statewide.

But the situation is far from dire. California's reservoirs filled up and were spilling over after the

storms last winter and spring. The amount of water in the 154 reservoirs that the state keeps track of stands at 109 percent of average for this time of year.

Shasta Dam, the largest reservoir in the state, is at 70 percent of capacity, which is 113 percent of average for this time of year. The 602-foot dam, on the upper

Sacramento River northwest of Redding, holds back 4.5 million acre-feet of water. An acre-foot is enough to cover one acre in a foot of water.

Oroville Dam, however, is only at 35 percent of capacity, which is 56 percent of average for this time of year. Shasta and Oroville together carry 80 percent of the state's reservoir supply, which is used to irrigate 8 million acres of farmland and provide water to close to 30 million people.

The two reservoirs are kept below capacity during the winter to avoid flooding in the event of major storms, such as those that prompted Oroville Dam officials to release a torrent of water in February that caused the main spillway to partially collapse. The dam's emergency spillway had to be used for the first time ever and the hillside began to erode, forcing 180,000 people in downstream communities to evacuate.

The nation's tallest dam was the site of the **fastest construction projects** in modern state history, as hundreds of workers labored around the clock since last spring to rebuild the chute before wet winter weather returns.

Peter Fimrite is a San Francisco Chronicle staff writer. Email: pfimrite@sfchronicle.com. Twitter: @pfimrite

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HEARST



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California: Hardfyranfyrsriow Explore > but not in drought again, yet



PHILLIPS STATION, Calif. (AP) — The grassy brown Sierra meadow where California's water managers gave the results of the winter's first manual snowpack measurements Wednesday told the story — the drought-prone state is off to another unusually dry start in its vital winter rain and snow season.

"We would like to have had more snow," Grant Davis, head of California's Department of Water Resources, told news crews gathered in this mountain field, bare of all but a few crusty dots of old snow.

"It's early," Davis said. "We're obviously hopeful there will be more snow the next time we come out here."

Today



RELATED TOPICS Droughts

California Science U.S. News

More from North America He spoke after Frank Gehrke, head of the state's snow survey team, stuck a metal pole into one of the few patches of snow at the site, measuring just over an inch (2.5 centimeters), or 3 percent of normal.

Climate change increasingly is changing the mountain snowfall equation, but historically up to 60 percent of Californians' water supply each year starts out as snowfall in the Sierras. That makes the state's manual and electronic snowpack measurements in these mountains crucial gauges of how much water cities and farms will get in the year ahead.

This winter, one month into the state's peak storm season, snowpack across the Sierras stood Wednesday at 24 percent of normal.

The dry spell is even more acute in Southern California, including Los Angeles, which the National Weather Service said this week was marking its driest 10-month period on record. Residents there last saw significant rainfall in February.

The dry start to the rain and snow season is raising worries the state could be plunging right back into drought. The scene Wednesday was remiscent of 2015, when Gov. Jerry Brown stood in a brown, dry Sierra meadow equally bare of snow to declare a drought emergency, including mandatory water cutbacks by cities and towns.

Near-record rainfall last winter snapped the historic drought, filling reservoirs and sending many rivers over their banks. Reservoirs remain at 110 percent of normal storage thanks to the last wet winter, water officials said.

As Californians, "we live in the most variable climate in the country," Davis said Wednesday, surrounded by forecasters and water officials in parkas for their mountain-meadow news conference. "That variability is what we have to manage." He called for more improvements in long-range forecasting, to help the state's reservoir managers better operate dams for both water supplies and flood control. As the climate changes, much of the state's water is coming in the form of rain during storms known as "atmospheric rivers," Davis noted.

"It's very clear to us that we need to have more information" about how atmospheric rivers behave overall, Davis said.

This winter, in contrast to the previous rain-sodden one, meteorologists point to a strengthening La Nina weather pattern in the Pacific, which typically brings drier weather.

A stubborn ridge of high pressure in the Pacific — the same bad guy during the state's drought — has been blocking storms from reaching Southern California in particular.

In December, dry winds and parched vegetation combined for the state's biggest wildfires on record in the Los Angeles area, after deadlier wildfires in Northern California in October.

Even as the water officials spoke Wednesday, a welcome new storm carried some of the first rain in weeks into Northern California, which also had marked one of its driest Decembers on record.

Parts of Northern California will see rain — but not massive amounts of it — through the first half of January, with 1 or 2 inches (2.5 or 5 centimeters) of snow expected in the Sierras, the weather service said.

Knickmeyer reported from San Francisco.

This story has been corrected to show Grant Davis, head of California's Department of Water Resources, said he was

				Reason	able and P	rudent Alte	ernatives					
CRITERIA	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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CTION IV.1.2 -OPERATION OF DCC	TO ENHANCE PROTECTION OF ENIGRATING SALMONIDS/GREE	N STURGEON	ACTION IV. 22 - ACOUSTICTAG EXPERIMENT Page 643		ACTION 1: ADULT MIGRATION AND ENTRAINMENT (FIRST FLUSH)
Paye 635 Taning: October 1- November 30			Ténilig: Merch 1 - Merch 31	21122	Action: Limit exports to that the average daily OMR flow is no more negative than 2.000 cfstorie total duration of 14 days, with a 5-day norming average normone grave than 2.500 cfstories to that in 25 percent).
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KLCI or SCI triggers are met, bit was	ar quality criteria are not met per D-1641 criteria. DOSS reviews monitor		Timing:June 1- June 15		the SWGcan recommend a delayadistart or durup from based on other conditions such as Data reflux that may affect vulnerability to entraniment
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udy. Water a state of	both KLCIor SCIane less titan 3 fish perday. DCC gales πaybe oper	ed enlawater	ACTION IV. 2.3 -REDUCED EXPORTS TO LIMIT NEGATIVE FLOWS IN OVERDEPENDING ON PRESENCE OF SALMNOIDS		Off-ramps:
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Walerqualitycritena arendi met, but	eitherKLCI or SCI is greater than 3ftish per day. DOSS reviews month	oning data and	Timing: January 1 – June 15		Biological: Unset of spawning iterisance of strent temetris in SKT or at Benks or Jones).
	OMF perprocedures in Action IV. 5 (page 658).		Action:		ACTION 2: ADULT MIGRATION AND ENTRAINMENT Page 35:
ning: December 15-January 31 iggers:			 Exports are managed to allow without produces a 14-day miniming average of the tidally filtered flow of -5,000 cls in Old and Midde River (@VR). A five day miniming average flow shall be calculated from the darivided values and be 	鰯	
DCC gates areclosed December 15			and ivides her (sive). A live-usy niming a stage low shall be calculated from the daily losity maked values and be no more than 25 percent inore negative than the large lad requirement flow for the 14-day average flow.	题	Action: The range of net daily CVA: Illows will be no more negative than-1250 to 5000 data. Depending on extendation: that the general guidelines being specie: CVAR flows within this range are recommended by the SWG inom the onsat of Action 2 through its lumination. The SWG will provide weekly
NIVES approved experiments may be	conducted. Agancy sponsoring the experiment may request gate oper	ning for up to 5	Timing: Jaruary 1 - Jane 15		recommendationspessed upon review of the sampling data, from real-time calvage data at the CVP and SWP, and utilizing most up to date technological
one-lime event betwaen December oper	ting is consistent with ESA obligations. 5 to Jenuary 5, when recessary to maintain Delta water quality in respo	ense tothe	First Stage Trigger (increasinglevel of concern):	證	expense and knowledge relating populations status and predicted distribution to manuforce physical variable of they and turbidity. USFWS will make the final
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nrise to one hour before sursist, for ut e health and saf ety level during the pe	10.3 days, then return to full closure. USBR and DWR will also reduce fixed of this action	Dietaexportsdown	pacteril WR JPE + 2000), with a minimum value of 25 fish perial, or 2) daily loss is greater than daily measured fish density divided by 12 fat (daily measured fish density - 12 fat) or 3) OVFH CWT LFR or LSNFH CWT WR cumulative loss		Timing: Begrinning immediately after Action 1. Selore this date (intrine for operations to 1 implement the fixwinequirement) the SWG will recommend specific increases of 4.9. In an applied as a second and a structure and a transition are intrine to an applied as a second and a structure and a transition are intrine to an applied as a second and applied as a second
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			consecutivedays of export reduction. Reductions are required when sary energiterion is mail.	靉	Biological: Unset of spawning gressories of spont lemains in SAT or piteliner travily).
		Page341	Timing: January 1 - June 15		ACTION 3: ENTRAINMENT PROJECTION OF LARVAL SWELT Page 30
CTION IV.2.1 - MAINTAIN SAN JOAC	UIN RIVER INFLOW EXPORT RATIO		Second Stage Trigger (analogous to high concern level);	關	
mug: And 1 - May st (Piese) : Into	en Græstens 2010-2011)		 DailySWP/CVP older juvenile loss density (ishpertal) is () greaterthan incidental televisity (precent of VeR .PE) divided by 1000 (2 precent of WR JPE ~ 1000), with a manimum value of 2 Slish pertal, or 2) saily loss spreater than 	鬣	Action: Net daily OVR flow will be no more negative than -1,220 to -5,000 cfs based on a 14-day ninting average with a simultaneous 5-day mining average within https://www.common.com/sites/actions/actio
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			consecutived bys following the 5 consecutive days of experimedication. Reductions are required with an any one cliterion is		Triggers:
(Jiw Malorias India (TAP)	Mitantian Ilaw renared at Semans (CS)	<u> </u>	mel		Temperature: When temperature reaches 12°C based on thee-stallong versional Wossidale. Articoch and Rio Visia, or
1 HAGE	Contract sources and a contract of the contrac	1	Timing: January 1 - June 15		Biological: Crisel of spawning (presence of Spent Females in SKT or at either facility).
10191324		4	End of Triggers: • Continue soltonuntil June 15 oruntil everage dely watertemporature of Mosscale is greater than 72°F (22°C) for 7		Off-ramps
1430-1988 S@14/Seeki	0- 1041 (without see 300) with the work of early 4500	:	corsecutiva days, whichaver is aetier.	龗	Temporat. June 30 or Temporatuse: Watertemporature reaches a delivexerage of 25°C forthree connecutive days at Cition Court Forebay,
ADUM CREAK	1 450 NOD	:			
Contined CVP and AVP information		1			ACTION4: ESTUARINE HABITAT DURINGFALL Page 30
		, I	ACTION IV. 3- REDUCE LIKELIHOOD OF ENTRAINMENT OR SALVAGEAT EXPORTFACE.ITIES		Action: Subject to adiplice management as described below, provide sufficient Delta outliow to maintainaverage 2 for September and October no prealer (m
Flow at Ventelations	Centored CVT- and SMIP Eacon	4	Timing: November1 - December31		further eastward) than 74 km inths Fall following Wel years and S2 km in the Fallfollowing AboveNormal years. The monitry everage/Q must be maintained or seaward of these values for each individual month and mill averaged over the two month period. In Neverber, the inflow to CVP/SWP reservoirs in the
04.4Y3	4 1 Semalisline expertation	4	Triggers; • Daily SWP/CVP older/uvenile loss dereity greater than B listvtal, ordaily loss is greater than 95 listvtay, or Coleman	č,	or solwand of these values for each individual monith and not average a over the two monith period. In November, the initiox to CVP/SVP reservoirs in the Sectemento Basin willbe added to reservoir releases to provide an added increment of Delta trillow and to augment Delta cutflow up to inefailtanget. The acti
6(0)(21750		1	National Firsh Halchery coded wire lagged tale [ail-run Clinook salmon (CNFH CWTLFR) or Livingston Stone National		will be evaluated and maybe modified or territrate dos delarmanced by USFWS
antition	Unitsinitial until fond re-overabelan (21,790)	1	Fish Halcherycoded wite lagged winter nun (LSNFHCWT WR) cumulative loss greeter than 0.5%. Reduce expertisio a combined 6:000 clator 3 days or until CVP/SWP delty density is less than 8 fishtal. Export teductions are required when	鬸	Tining: September 1 to November 30
1.KiBFI/LWRSnall seek supplemental	apreement with the SJR CA as soon as bessible to achieve reinimum is	colornations at	conterned 6,000 cision 3 days or until CVP/SWP delly density is less than 8 institiat. Export leducitions are required when any one of the four chierta is met.		Triggers: Wet and above normal Wirthype classification from the 1995 Weter Cuality Control Plan Irial is used to implement D-1641
mais (See tollowing lable) inpugnati	explinition lies		 Daily SWP/CVP older juvanilo loss density greater than 15 fishtral, or daity loss is greater than 120 fishday, or CNFH 	國	
than Invaduo Parantoday (2020			CWTLFR or LSNFHCWTWR cumulative toss greater than 0.5%. Reduce exposits to a combined 4,000 cfs for 3 days or	1	ACTION 5: TEMPORARY SPRING HEAD OF OLD RIVER BARRIER (HORB) AND THE TEMPORARY RARRIER PROJECT (TBP)
ChlueituEnt	1501	Ī	until CVP/SWP daily density to less than 8 fah/lal. Export reductions are required when any one of the four coloria is met.		Action: Denoiselal HCRB if deltasmet entrainment is accurate. If installation of the HCRB is not allowed, the actuational territies would be installedes destination of the HCRB maintenance of the HC
<u>Crv</u>	3003				described in the Project Description. If installation of the HORS is allowed, the agricultural barriers could be installed, but the Rap gales would be lied in the op positionur's May 15,
B-dowidernal	450)				Timing: The Immgo The adion would very depending on the conditions. The normal installation of the spring lemporary HORB and the TBP is in April
Atom Nomel	5:0		Text for the Biological Opinion Actions have been condensed to fitwithin lins limited space. Page numbers in the upper right hand comer of each Action block have been provided for		
<u>wa</u>	R(3)		releancing the actual document.		Triggers: For Datasmell, instalation of the HCRS will only occur when PTM regulashow that entrainment levels of Deltasmell without increase beyond to percent at Stetion 815 as a result of installing the HCRB.
				1	
				80	

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17/28

2017 Fall X2

FWS Action 4: Fall X2

- September:
- Operated to meet 74 km (~75 TAF reduced export)
 - October:
- FWS modified to 80 km

18/28

- CDFW decided mid-month on modification to 79 km
 - November:
- Pass through inflows (no additional storage) to maintain up to 74 km
 - Export restrictions based on Delta inflow
 - December
- Provide any stored water in November as additional outflow
 Effectively changed Delta outflow standard from 4,500 cfs to 6,984 cfs



December 18, 2017

Delivered via email: <u>paul_souza@fws.gov</u> and via U.S. Mail

Mr. Paul Souza Regional Director U.S. Fish and Wildlife Service 2800 Cottage Way Sacramento, CA 95825

Subject: Fall X2 10-year Review

Dear Mr. Souza:

The U.S. Fish and Wildlife Service Biological Opinion for continued operations of the Central Valley Project and State Water Project includes the following statement regarding the Fall X2 Action:

The Service shall conduct a comprehensive review of the outcomes of the Action and the effectiveness of the adaptive management program ten years from the signing of the biological opinion, or sooner if circumstances warrant. This review shall entail an independent peer review of the Action. The purposes of the review shall be to evaluate the overall benefits of the Action and to evaluate the effectiveness of the adaptive management program. At the end of 10 years or sooner, this action, based on the peer review and Service determination as to its efficacy shall either be continued, modified or terminated. *(Biological Opinion at page 283).*

The Biological Opinion did not define how this 10-year review should be conducted, and we have learned much over the last decade with the various review panels that have engaged on Delta issues. This letter is meant to outline how the public water agencies believe the review should occur in order to maximize its usefulness in ongoing management actions. We look forward to participating in the review process and believe it should proceed as follows.

(1) The review should be completed in order to allow the Commissioner of the U.S. Bureau of Reclamation and the Director of the U.S. Fish and Wildlife Service the latitude to reinitiate with respect to the Fall X2 Action before September 2018.



DIRECTORS

Mark Gilkey President Tulare Lake Basin Water Storage District

Stephen Arakawa Vice President Metropolitan Water District of Southern California

Matthew Stone Secretary-Treasurer Castaic Lake Water Agency

Robert Cheng Coachella Valley Water District

Curtis Creel Kem County Water Agency

Cindy Kao Santa Clara Valley Water District

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Ray Stokes Central Coast Water Authority

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Mr. Paul Souza December 18, 2017 Page 2

- (2) The review should include:
 - (a) A scientific assessment by an independent expert panel directed to the Commissioner and Director that establishes whether the justification for the Action in the 2008 biological opinion comports with the best available scientific information, whether scientific information that has emerged since the issuance of the 2008 biological opinion, on balance, reinforces or refutes the Action, and the effectiveness of the adaptive management program, including monitoring efforts carried out over the past decade;
 - (b) An opportunity for the public to provide input to the experts both in person and in writing prior to their deliberations, subject to reasonable limitations;
 - (c) An opportunity for the pubic to provide input to the Commissioner and Director respecting the panel report before they determine whether or not to reinitiate with respect to the Fall X2 Action; and
 - (d) A written response by the Commissioner and/or Director to the panel report.
- (3) The independent scientific review should be conducted consistent with the below set of procedures for review, drawn from best practices including those identified in Appendix I of the Delta Science Plan (Delta Science Program policy and procedures for independent scientific review).
- (4) The Review Planning Group will be composed of one representative of each of the U.S. Fish and Wildlife Service, the U.S. Bureau of Reclamation, the Department of Water Resources, the Central Valley Project contactors, the State Water Project contractors, and the community of environmental non-governmental organizations.

Recommended Procedures for Fall X2 Independent Science Review

- The Review Planning Group will draft the charge to the Independent Scientific Review Panel.
- The Review Planning Group will select the membership of the Independent Scientific Review Panel. The Panel will have no fewer than five members. The selection of panelists will consider an individual's standing in the scientific community, expertise in disciplinary areas that include quantitative ecology, conservation biology, and biostatistics (with emphasis on population dynamics and species-habitat relationships), and technical skills relevant to the documents and technical issues subject to review. Panel participation should avoid conflicts of interest; but where, as here, widely recognized differences in opinion exist regarding pertinent technical issues, the composition of a panel should encourage representativeness and balance.
- The Independent Scientific Review Panel will serve and deliberate as a panel. The review report should be a report from the Panel as a whole, but will articulate areas of disagreement on the panel.

Mr. Paul Souza December 18, 2017 Page 3

- The Review Planning Group will determine the range of materials to be reviewed by the Independent Scientific Review Panel. At a minimum they should include the 2008 biological opinion and reasonable and prudent alternatives, the 2010 National Research Council committee report, the FLaSH documents and peer reviews of draft FLaSH documents, the "milestone" draft adaptive management plan (Reclamation) and public comments on that document, the MAST documents and peer reviews of draft MAST documents, pertinent published works including articles regarding Delta Smelt abundance, distribution, and habitat requirements, Delta Smelt population-dynamic and life-cycle models, declarations of experts submitted in the litigation challenging the 2008 biological opinion, and the Fall X2 analysis conducted to support the BiOp amendment in 2017.
- The Independent Scientific Review Panel must be provided sufficient funding and time to complete their work, but with an objective of completing their report by early summer 2018.
- No direct communications by interested parties, including the U.S. Fish and Wildlife Service and U.S. Bureau of Reclamation, with panel members on issues pertinent to the review during the review period should be made without the knowledge and consent of the Review Planning Group.

Sincerely,

Jennifer Pierre General Manager

NOTICE TO STATE WATER PROJECT CONTRACTORS



Date: DEC 1 8 2017

Number: 17-11

Subject: Water Management and the Existing Long-Term Water Supply Contracts

From:

Grant Davis, Director Department of Water Resources

The recent drought in California has highlighted the importance and need for flexibility in managing the State's limited water resources. To that end, the Department encourages the State Water Project Contractors to pursue water management actions that ensure supplies from the State Water Project (SWP) are used effectively.

In particular, the existing Long-Term Water Supply Contracts (Contracts) provide flexibility as to how SWP supplies are transferred, exchanged, and managed over extended periods of time. Accordingly, Attachment A is intended to clarify the Department's considerations and objectives with respect to bona fide exchanges and multi-year water transfers. In reviewing SWP Contractor requests for water management actions, the Department will follow a similar approach it has used in past years. That is, the Department will review requests on an individual, case-by-case basis and will examine:

- 1. any adverse impact on the ability of the SWP Contractor to continue to make payments under its Contract;
- 2. any adverse effect the action may have on the water rights permits granted to the Department for the operation of the SWP;
- 3. any adverse impact on the ability of the Department to make deliveries to other SWP Contractors or to meet other obligations of the SWP; and
- 4. consideration of any issues identified by and compliance with the California Environmental Quality Act.
- Furthermore, although the Department believes that the water management actions listed in Attachment A already are available under the terms of the existing Contracts, the Department intends to confirm and supplement its position in the public process that was initially noticed on November 21, 2014. The Department intends to resume this process to include discussion of the water management actions specified above. The Department will issue a public notice for these negotiations.

If you have any questions or need additional information, please contact Joel Ledesma at (916) 653-8043.

Attachment

Attachment A

Department Considerations Related to Bona Fide Exchanges and Multi-Year Water Transfers Under the Water Supply Contracts

In reviewing and approving any proposed bona fide exchanges or multi-year transfers, the Department will apply the following considerations:

- A. <u>Bona Fide Exchanges</u>: In the review of bona fide exchanges, the Department will apply Article 56(f) of the Contracts, which provides that "an exchange of water involving a contractor and another party where the primary consideration for one party furnishing water to another is the return of a substantially similar amount of water, after giving due consideration to the timing or other nonfinancial considerations of the return."
 - 1. <u>Return Period</u>: Flexibility is provided under the existing Contracts regarding the return period, provided the return period is not greater than 10 years or does not extend beyond the expiration date of the current Contract.

If the return for the exchange cannot be completed within 10 years, the Department may approve an extension for an additional 10 years or to the end of the current Contract, whichever is shorter. The exchange parties shall provide adequate justification for the extension of the exchange agreement. Adequate justification may include reasons such as hydrologic conditions, allocation percentages, capacity/conveyance limitations, economic hardships, health and safety issues, etc.

2. <u>Return Ratio</u>: Flexibility is provided under the existing Contracts regarding the exchange ratio, provided the amount of water returned is of a "substantially similar amount" and considering timing and other nonfinancial considerations. The following ratios are consistent with the above considerations, including differing hydraulic conditions, subject to review under the Department's existing authority:

> For allocations >= 50%, return ratio is up to 2 : 1 For allocations >25 & <50%, return ratio is up to 3 : 1 For allocations <25%, return ratio is up to 4 : 1

3. <u>Time of Delivery</u>: If an exchange agreement is executed in the latter half of the calendar year, capacity limitations may prohibit delivery in the year the exchange agreement is executed. To allow for delivery in the following year, the Department will allow reclassification of exchange water so long as it complies with Article 56 of the Contracts.

4. <u>Cost Compensation</u>: Maximum cost compensation for a bona fide exchange may not exceed the exchanging SWP Contractor's transportation capital charges.

B. Multi-year Transfers:

- 1. All multi-year transfers must be consistent with the existing Contracts.
- 2. Multi-year transfers pertain only to SWP Table A water (not Articles 21, 55, or 56 and area of origin supplies) in the year in which the water moves from one SWP Contractor to another for compensation, which does not need to include the return of water.
- 3. SWP Contractors can be engaged in multiple multi-year temporary transfers as a buyer or seller, provided that a Contractor cannot be both a buyer or seller in the same year.
- 4. Compensation for multi-year transfers will be determined by the transfer proponents.
- 5. Proponents of multi-year transfers must comply with all existing environmental (including CEQA compliance) and regulatory requirements. The Department will serve as a lead or responsible agency where applicable.
- 6. The term of each multi-year transfer must be at least two years.
- 7. A multi-year transfer cannot be used to pay back any existing water exchange obligation.
- The Department will review and approve multi-year transfers consistent with the terms of the Contracts, including but not limited to, assuring that:

 the terms of multi-year temporary transfer comply with the existing SWP Contracts;
 the delivery of the water is possible/feasible considering the hydrologic conditions and delivery capacity of the SWP; and (3) the financial and operational integrity of the SWP is not impaired.
- 9. The Department retains its right to review and reconsider at any time a multiyear transfer agreement if it determines that delivery under the agreement is impairing the financial feasibility of project facilities or is impacting any other SWP Contractor's ability to deliver/store its SWP Table A.

BARF project lazyb1 to you 9:30AM Show Details

To the members of the Board of Directors:

At our last board meeting, President Fenn suggested I communicate my concerns in writing to the board about rebidding the BARF project and the timeline leading to the rebid.

I will limit my remarks to two main reasons I feel the Board should have waited to go thru the rebid process.

1. I believe accepting a bid and signing a contract to construct now will hinder the Pass Agency's ability to receive state grant funding. Even though staff has indicated we would still be eligible for post construction reimbursement, I believe there would be no incentive for the state to do so because we would already be funding the construction using local taxpayers money. We should wait until the state releases their grant requirements to consider constructing a project of this nature and spare our taxpayers any undue extra expense.

2. The second concern I have with this project is the new findings of potential leaking of the Beaumont Basin on the eastern side. It is my understanding that the Watermaster is funding research that is due out in early 2018 that will help us understand more clearly the extent of this potential problem and hopefully give some methods to diminish any losses (if indeed it is leaking). I believe we should wait until the science is received and understood before we cause injury or harm to this basin or other agency facilities and inadvertently waste water or the people's money.

Thank you for your consideration of these points.

Director Ball



Beaumont-Cherry Valley Water District

Phone: (951) 845-9581 Fax: (951) 845-0159 Email: info@bcvwd.org

http://www.bcvwd.org

December 27, 2017 Jeff Davis, General Manager **Board of Directors** San Gorgonio Pass Water Agency 1210 Beaumont Avenue David Hoffman Beaumont, CA 92223 Division 5 RE: Beaumont Avenue Recharge Facility aka Fiesta Recharge Facility John Covington Division 4 Dear Mr. Davis, Daniel Slawson Please be advised that the Beaumont-Cherry Valley Water District (BCVWD) is **Division 3** concerned that the San Gorgonio Pass Water Agency's proposed Beaumont Avenue Claudeen Diaz Recharge Facility may adversely impact BCVWD's existing and planned recharge Division 2 operations at our Noble Creek Recharge Facility Phase 1 and 2, and limit BCVWD's ability to fully utilize the current capacity available in our Noble Creek Recharge Facility Andy Ramirez to meet the current and future needs of our service area. Division 1 At this time, BCVWD has invested in excess of \$16,000,000 in our Noble Creek Recharge Facility and associated facilities and could suffer substantial financial damage if our facility is unable to be fully utilized as intended now or in the future. BCVWD currently identifies the probable annual capacity of our Noble Creek Recharge Facility in excess of 25,000 acre feet of recharge per year (possibly as much as 30,000 acre feet per year) based upon its performance in 2017. If constructed in its current proposed location, the SGPWA's Beaumont Avenue Recharge Facility, once it becomes operational, may limit the capacity of the Noble Creek Recharge Facility. Most significantly, SGPWA has identified that its Beaumont Avenue Recharge Facility will most likely be used when extra water (i.e. Article 21 Water) is available. That availability of surplus water would likely coincide with BCVWD's maximum recharge activities (wet year recharge) at our Noble Creek Recharge Facility, which is necessary to provide conjunctive use as demand increases. Based upon the BCVWD Urban Water Management Plan's projected imported water supply needs of 17,334 acre feet in 2040, the Noble Creek Recharge Facility was constructed to provide as much as 25,000 to 30,000 acre feet to meet the needs of our service area at that time when allowing for an average State Water Project reliability of 62% to 64% (with the California Water Fix). In other words, more recharge capacity will be needed by BCVWD during wet years in the future to provide conjunctive use of the basin to meet the District's service area needs in order to provide the average annual imported water supply requirement of 17,334 acre feet.

The BCVWD's primary concerns related to the SGPWA's proposed Recharge Facility are:

1. <u>Proximity to BCVWD's Existing Recharge Facility</u>: The SGPWA's proposed Recharge Facility is located directly across the street and downhill



tp://www.bcvwd.org

oard of Directors

David Hoffman Division 5

John Covington Division 4

Daniel Slawson Division 3

Claudeen Diaz Division 2

Andy Ramirez Division 1

Beaumont-Cherry Valley Water District

Phone: (951) 845-9581 Fax: (951) 845-0159 Email: info@bcvwd.org

> Jeff Davis, SGPWA December 27, 2017 Page 2

from the BCVWD's existing Noble Creek Recharge Facility Phase 1 and 2. The location of the SGPWA's Beaumont Avenue Recharge Facility may hydraulically constrain the BCVWD's existing and planned recharge operation at the Noble Creek Recharge Facility due to increased water mounding and associated hydraulic conductance loss in the vicinity of our recharge operation now and into the future.

2. Potential for Increased Basin Leakage Due to Stored Water: The location of the SGPWA's proposed Beaumont Avenue Recharge Facility on the eastern side of the Beaumont Basin may cause increased stored water leakage from the Basin. At this time, BCVWD understands that the Beaumont Basin W atermaster's hydrogeologist believes this leakage occurs near the southeast edge of the Beaumont Groundwater Basin (i.e. Banning Side). This leakage is being studied and modeled by the Watermaster's hydrogeologist as work currently identified as "Potential Storage Loss Evaluation" and BCVWD staff understands that the Watermaster's hydrogeologist will report on this item in early 2018. In the event increased water storage on the east side of the Basin creates loss, BCVWD is concerned that any water the SGPWA stores on the east side of the Basin may adversely impact BCVWD's existing and planned Basin storage account volumes due to potential increased leakage due to increased water storage.

The Beaumont Cherry Valley Water District requests that you and the SGPWA Board of Directors consider our concerns identified herein and postpone award of construction of the Beaumont Avenue Recharge Facility Project at least until results of the pending Beaumont Basin Watermaster Potential Storage Loss Evaluation are available. At that time, impacts from changes to recharge activities (i.e. increased storage activities, etc.) may be better understood by all parties and discussed at least between the SGPWA and BCVWD prior to moving forward with construction of additional recharge facilities right next door to existing facilities. The Beaumont Avenue Recharge Facility may ultimately be found to be positioned in a location that inversely condemns the BCVWD's existing facilities for the reasons identified above.

Again, BCVWD is very concerned about the impacts of the SGPWA's proposed recharge facility on our existing facilities and we welcome the opportunity to discuss this matter further with you and your staff.

Sincerely,

Dan Ja'ggers

cc: San Gorgonio Pass Water Agency Board of Directors