



Notice of Meeting

STATE WATER SUBCONTRACTORS ADVISORY COMMITTEE

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

Friday, May 7th, 2021 – 10:00 to 11:00 AM

In accordance with the directives provided by Governor Newsom (Executive Order N-29-20), this meeting will be conducted as a phone-in and web-based meeting. Members of the public may participate via conference call and webinar.

Phone line: +1 (571) 317-3112

Access Code: 493-439-477

Webinar: <https://global.gotomeeting.com/join/493439477>

Public comments can be submitted to: wthomson@co.slo.ca.us

For more information: <https://www.slocounty.ca.gov/Departments/Public-Works/Committees-Programs/State-Water-Project-and-Subcontractors-Advisory-Co.aspx>

CONTACT: *All Americans with Disabilities Act (ADA) accommodations shall be promptly reviewed and resolved.*

Persons who require accommodations for any audio, visual or other disability to review an agenda, or to participate in the meeting per the ADA, are encouraged to request such accommodation 48 hours in advance of the meeting from the State Water Subcontractors Advisory Committee (SWSAC) Secretary, Wes Thomson at (805) 781-5252.

Chair: Brad Hagemann (Avila Beach CSD)

Vice Chair: Ben Fine (Pismo Beach)

AGENDA

- I. **Call to Order** – Roll Call & Quorum Count
- II. **Public Comment** (*For matters within the Committee's jurisdiction. May be limited to three minutes each.*)
- III. **Review of Last Meeting's Minutes** – Approve minutes from Mar. 5, 2021
- IV. **Reports from the District** – for Information Only
 - A. SWSAC Representation
 - B. Water Operations Report
 - C. Delta Conveyance Project (DCP) Negotiations Update
 - D. Water Management Tool Study
- V. **Presentation**
 - A. Water management considerations for dry-year need and emergency storage
- VI. **Items for Next Regular Meeting Agenda**
- VII. **Date of Next Regular Meeting:** July 2, 2021
- VII. **Adjournment**

ATTACHMENTS

1. Agenda Item III – Draft Minutes – March 2021
2. Agenda Item IV.A – Staff Report
3. Agenda Item IV.B – Staff Report
4. Agenda Item IV.C – Staff Report
5. Agenda Item IV.D – Staff Report

The purpose of the Committee is, "to monitor all aspects of this agreement and related agreements and to advise the governing bodies of District and Contractor on the functioning of this agreement and related agreements, and to recommend to the governing bodies of District and Contractor any modifications to said agreements that may, from time to time, be appropriate."
(Art. 31, Water Supply Agreement, 1992)

Web/Teleconference Only

Friday, March 5th, 2021

10:00 AM

MINUTES (Draft)

Chairperson: Brad Hagemann
Vice Chairperson: Ben Fine
Secretary: Wes Thomson

The following action minutes are listed as they were acted upon by the State Water Subcontractors Advisory Committee (SWSAC) and as listed on the Regular Meeting agenda for **March 5th, 2021**, together with staff reports and related documents attached thereto and incorporated therein by reference.

- I. Call to Order & Roll Call (Quorum Count)
Call to order at approx. 10:00 AM; a quorum was established.
- II. Public Comment
Comments: Randy Diffenbaugh, Jeff Edwards – both commented on the recent action by the SLO County FCWCD Board to approve the Water Management contract amendment with DWR.
- III. Review of Last Meeting's Minutes
January meeting Minutes approved by SWSAC.
- IV. Reports from the District (see staff report)
 - A. Water Operations Report (with Stored Water Estimate)
 - Update from W. Thomson. DWR's Initial allocation remains at 10% for 2021, SLR storage is approx. 14,800 AF.
 - B. Delta Conveyance Project (DCP)
 - Verbal update from C. Howard, District participating in monthly meetings to stay informed on planning-level progress.
 - C. Water Management (WM) Tools Amendment –
 - Update from C. Howard. SLO County FCWCD Board voted to approve the amendment on March 2, 2021. The District has upcoming policy decisions concerning SGMA-related groundwater management that it wants to address (including concerns groundwater banking) before moving forward with implementation of the new water management tools. In the meantime, the County is documenting/tracking interest from those who are interested in purchasing water, or utilizing the tools to sell water, etc.
 - Concerns related to groundwater banking center on recovery of banked water, and rights to recovery. Before using the WM tools, staff are to return to the Board for a discussion on what options are available to the Board for addressing these concerns.
 - It's possible that external (out-of-county) transfers could be considered by the District in parallel with efforts to address internal (in-county) water management concerns, but it's more likely that the Board will want to move forward to address one thing at a time – especially given the current year's low SWP allocation and the unknown prospect of what conditions could look like next year.

D. Water Management Tools Study – Special Joint Meeting with CCWA

- C. Howard announced upcoming special meeting on 4/8/21 (9:00 AM), open for District Subcontractors to attend/participate; to include update on the “needs assessment.” Look for email from with more details. Comments on needs/considerations to be documented in the Study.

V. Committee Action Items

Discussion on 2021 allocation and management of stored water, given the District is in a position where it is “over-stored” at San Luis Reservoir (i.e., exceeding the storage allocated in proportion to Contractor Table A amounts). District water remains at high-risk of spill in a subsequent delivery year should hydrologic conditions change from dry to wet. The primary purpose of the reservoir is for DWR operations, to support capture of Table A water, and only available for Contractors to use as a temporary storage option when DWR doesn’t need it for storage of Table A water.

- B. Hagemann noted the 2003 Excess Allocation Policy attached for Subcontractor review. No action taken.

VI. Future Agenda Items

District will provide updates on the following:

- Next regular meeting is May 7, 2021.
- WMT Study with CCWA (April 8).
- SWP Operations.

Meeting Adjourned at 11:00 AM.



SAN LUIS OBISPO COUNTY
FLOOD CONTROL AND WATER CONSERVATION DISTRICT

TO: District State Water Subcontractors
FROM: Wes Thomson, P.E.
DATE: May 7, 2021
SUBJECT: SWSAC Representation Update

Summary

The attached list reflects the latest membership of the State Water Subcontractors Advisory Committee (SWSAC), with Michael Nordstrom (Alternate for San Miguelito MWC) as the most recent appointment by the District Board on 3/2/2021.

Attachments

1. State Water Subcontractors Advisory Committee Members

2021 State Water Subcontractors Advisory Committee

San Luis Obispo County Flood Control and Water Conservation District

Last Reviewed: 5/3/2021, WT

Last BOS-Appointments: 3/2/2021

Last PWD-Appointments: 11/19/2020

*Members (M) & Alternates (A)

Subcontractor Representatives

(M) CSA 16 Shandon: Mark Chiaramonte

mchiaramonte@co.slo.ca.us

(A) CSA 16 Shandon: Jill Ogren

jogren@co.slo.ca.us

(M) CMC: Michael Fitzpatrick

michael.fitzpatrick@cdcr.ca.gov

(A) CMC: Scott Buffaloe

scott.buffaloe@cdcr.ca.gov

(M) County Ops Center: Cindy Treichler

ctreichler@co.slo.ca.us

(A) County Ops Center: Annie Secrest

asecrest@co.slo.ca.us

(M) Cuesta College: Vacant

(A) Cuesta College: Scott DeMello

sdemello@cuesta.edu

(M) City of Morro Bay: Rob Livick

rlivick@morrobayca.gov

(A) City of Morro Bay: *Vacant*

(M) City of Pismo Beach: Ben Fine

bfine@pismo beach.org

(A) City of Pismo Beach: *Vacant*

(M) Oceano CSD: Shirley Gibson

directorgibson@oceanocsd.org

(A) Oceano CSD: Allene Villa

directorvilla@oceanocsd.org

(M) San Miguelito MWC: *Vacant*

(A) San Miguelito MWC: Michael Nordstrom

nordlaw@nordstrom5.com

(M) Avila Beach CSD: Brad Hagemann

hagemann.associates@gmail.com

(A) Avila Beach CSD: *Vacant*

(M) Avila Valley MWC: Mike Ritter

mrsails@aol.com

(A) Avila Valley MWC: Bob Owen

rowen01@charter.net

(M) San Luis Coastal USD: *Vacant*

(A) San Luis Coastal USD: Rick Stimson

rstimson@slcusd.org

District Representatives (Non-Voting)

(M) District: Courtney Howard

choward@co.slo.ca.us

(A) District: Wes Thomson

wthomson@co.slo.ca.us



SAN LUIS OBISPO COUNTY
FLOOD CONTROL AND WATER CONSERVATION DISTRICT

TO: District State Water Subcontractors
FROM: Wes Thomson, P.E.
DATE: May 7, 2021
SUBJECT: SWP Water Operations Report

Summary

SWP water delivery reports summarizing 2021 deliveries through March 2021 (see Attachment 1).

Due to a second year of persisting dry conditions, DWR reduced the allocation to 5 percent (see Attachment 2). For the District, this amounts to 1,250 AF of "Table A" water, which by itself is not sufficient to meet the Subcontractor's requested deliveries for 2021. Therefore, the District will draw from the healthy supply of SWP carryover water it has stored at San Luis Reservoir (SLR) to make up the balance of supply requested. Under the current SWP allocation and delivery schedule, the District estimates that it will have approximately 12,900 AF in combined storage (District + Subcontractors) at SLR at the end of the year (12/31/21).

Attachments

1. 2021 Delivery Update – SWP Deliveries (March 2021)
2. DWR Notice to Contractors on Reduced Allocation – 5 Percent

2021 STATE WATER DELIVERIES (DRAFT)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<i>SHANDON TO</i> CSA 16	0.0	0	0	0	0	0	0	0	0	0	0	0	0
<i>CHORRO V. TO</i> CMC	28.9	25	29	0	0	0	0	0	0	0	0	0	84
County Ops	30.6	27	31	0	0	0	0	0	0	0	0	0	89
Cuesta	14.0	12	15	0	0	0	0	0	0	0	0	0	41
City of Morro Bay	80.4	73	84	0	0	0	0	0	0	0	0	0	238
<i>LOPEZ TO</i> City of Pismo Beach	0.0	0	0	0	0	0	0	0	0	0	0	0	0
Oceano CSD	0.0	0	0	0	0	0	0	0	0	0	0	0	0
San Miguelito MWC	4.5	7	13	0	0	0	0	0	0	0	0	0	24
Avila Beach CSD	5.0	5	6	0	0	0	0	0	0	0	0	0	16
Avila Valley MWC	1.0	1	1	0	0	0	0	0	0	0	0	0	3.0
San Luis Coastal USD	0.13	0	0	0	0	0	0	0	0	0	0	0	0.7
TOTAL	165	151	180	0	495								

- Note:** 1. Deliveries based on CCWA monthly delivery reporting and subcontractor request.
2. All delivery values reported are in volumetric units of acre-feet (AF).

2021 DELIVERY REQUESTS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<i>SHANDON TO</i> CSA 16	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>CHORRO V. TO</i> CMC	33	33	33	33	33	33	33	33	33	33	33	33	396
County Ops	35	35	35	35	35	35	35	35	35	35	35	35	420
Cuesta	16	16	17	17	17	17	17	17	17	17	16	16	200
City of Morro Bay	100	100	100	100	100	100	100	100	100	100	100	100	1200
<i>LOPEZ TO</i> City of Pismo Beach	0	0	0	0	10	0	0	0	5	10	0	0	25
Oceano CSD	0	0	0	70	75	75	75	75	70	75	65	60	640
San Miguelito MWC	7	7	10	12	13	13	13	12	9	9	7	8	120
Avila Beach CSD	5	5	6	6	6	6	6	7	6	6	6	5	70
Avila Valley MWC	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	20
San Luis Coastal USD	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	6
TOTAL	198	198	203	276	292	282	282	282	278	288	264	260	3097

Note: DWR delivery allocation assumed* = 100%

*Assumes District can supply requested delivery under 100% allocation scenario.

STATE WATER PROJECT

San Luis Obispo County Flood Control and Water Conservation District

P:\State Water\Water Ops\DELIVERY\Actuals\2021\Delivery Report Summary\210503-SLO-Deliveries thru Mar 2021_DRAFT

Prepared by WT, 5/3/2021

NOTICE TO STATE WATER PROJECT CONTRACTORS

Date: March 23, 2021

Number: 21-06

Subject: 2021 State Water Project Allocation Decrease – 5 Percent

From: Original signed by
Ted Craddock
Deputy Director, State Water Project
Department of Water Resources

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

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

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

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

Attachment

2021 STATE WATER PROJECT ALLOCATION
(ACRE-FEET)

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



SAN LUIS OBISPO COUNTY
FLOOD CONTROL AND WATER CONSERVATION DISTRICT

TO: District State Water Subcontractors
FROM: Wes Thomson, P.E.
DATE: May 7, 2021
SUBJECT: Delta Conveyance Project Update – Final AIP Negotiations Outcome

Summary

Update From DWR (via Kearns & West, 4/19,/2021):

On March 29, 2021, DWR (The Department of Water Resources) and Public Water Agencies negotiators finalized an Agreement in Principle (AIP) for the State Water Project (SWP) Contract Amendment for Delta Conveyance.

The March 29, 2021 Meeting Summary (Document # 151), Final AIP (Document # 152), and Facility Allocation Factor Table (Document # 153) for the State Water Project (SWP) Contract Amendment for Delta Conveyance are posted to the Department of Water Resources (DWR) Box site, here:

<https://cadwr.app.box.com/s/irusyewojv4nwzmxzfzngl9sswcw/>.

Attachments

Attached here for Subcontractor review are the three key documents that came from the negotiations – (1) the final AIP from March 2021, (2) the DCF Allocation Factor Table, and (3) the Final White Paper from April 30, 2020.

1. 152_Final AIP March 29, 2021
2. 153_Delta Conveyance Facility Allocation Factor Table
3. 142_Final White Paper

AGREEMENT IN PRINCIPLE

March 29, 2021

This Agreement in Principle has been developed from the State Water Contractor Public Water Agencies' offers presented from July 24, 2019 to present, Department of Water Resources' offers presented from July 31, 2019 to present, and information discussed and presented by the technical and legal work groups.

Agreement in Principle for the State Water Project Water Supply Contract Amendment on a Delta Conveyance Project

This Agreement in Principle (**AIP**) is by and between certain State Water Project Public Water Agencies (**PWAs**) and the State of California through the Department of Water Resources (**DWR**) for the purpose of amending the State Water Project Water Supply Contracts.

AIP Objective:

1. Develop an agreement between the State Water Project Contractor Public Water Agencies and Department of Water Resources to equitably allocate costs and benefits of a potential Delta Conveyance Facility that preserves operational flexibility such that the Department of Water Resources can manage the State Water Project to meet regulatory requirements, contractual responsibilities, and State Water Project purposes.

AIP Outline:

- I. Definitions
- II. Objective 1 - Availability of an option to opt out of costs and benefits of Delta Conveyance Facilities of the State Water Project
- III. Objective 2 - Availability of an option to assume, or partially assume, costs and benefits of Delta Conveyance Facilities of the State Water Project
- IV. Objective 3 - Pursuit of State Water Project Delta Conveyance Facilities under the State Water Project Water Supply Contracts
- V. Objective 4 - Delta Conveyance Facility billing
- VI. Objective 5 - Delta Conveyance Facility benefits allocation
- VII. Objective 6 - Affect upon other Water Supply Contract provisions
- VIII. Other Provisions
- IX. Environmental Review Process
- X. Authorized Representative Signatures

I. Definitions

- a. **Clifton Court Forebay** shall mean the existing State Water Project diversion at Clifton Court Forebay facility through its intake located on Old River in the southern Delta and the associated Skinner Fish Facility.
- b. **Delta** shall mean the Sacramento-San Joaquin Delta as defined in Section 12220 of the California Water Code on the date of approval of the Bond Act by the votes of the State of California.
- c. **Delta Conveyance Facility (DCF)** shall mean those facilities of the State Water Project consisting of a water diversion intake structure, or structures, located on the Sacramento River and connected by facilities to Banks Pumping Plant in the southern Delta with a single tunnel that will serve the water supply purposes of the State Water Project.
- d. **DCF Benefits** shall mean those water supply and capacity benefits attributable to the DCF including but not limited to: (1) Table A water supplies; (2) Article 21 water supplies; (3) carriage water savings; (4) reliable water supply and use of DCF available capacity in the event of a temporary or permanent physical, regulatory, or contractual disruption of southern Delta diversions; and (5) use of DCF available capacity to move non-project water through the proposed DCF.
- e. **Fair Compensation** shall include but is not limited to capital recovery, operations and maintenance, replacement, and variable charges associated with the use of the DCF capacity.
- f. **State Water Project (SWP)** shall mean the State Water Resources Development System as described in California Water Code section 12931.
- g. **State Water Project Contractor Public Water Agencies (PWAs)** shall include the 29 entities holding State Water Project Water Supply Contracts with the Department of Water Resources.

II. Objective 1 - Availability of an option to opt out of costs and DCF Benefits

- a. This AIP makes available to each PWA an option to opt out of the costs and benefits of the DCF through a contract amendment that establishes a Statement of Charges (SOC) percentage of DCF Benefits based on the percentages in the Delta Conveyance Allocation Factors table to water attributable to the DCF, as described in Section VI of this AIP.
- b. PWAs indicating an intent to opt out of costs and benefits of the DCF shall be described in Section VI(a) of this AIP.
- c. An option to opt out of DCF costs and benefits are limited such that a PWA must opt out of at least a minimum 100% of its Municipal and Industrial Table A or 100% of its Agricultural Table A. This provision doesn't prohibit a PWA from taking more than their Table A share, if available, in the Delta Facilities Allocation Factor table.

- III. Objective 2 - Availability of an option to assume additional costs and benefits of the DCF
 - a. This AIP makes available to each PWA an option to assume additional costs and benefits of the DCF through a contract amendment that establishes additional costs on the SOC in exchange for DCF Benefits based on the percentages in the Delta Conveyance Allocation Factors table to water attributable to the DCF, as described in Section VI of this AIP.
 - b. PWAs indicating an intent to assume DCF costs and benefits shall be described in Section VI(b) of this AIP.

- IV. Objective 3 - Pursuit of State Water Project Delta Conveyance Facilities under the State Water Project Water Supply Contracts
 - a. The DCF shall be constructed and operated as an integrated component of the State Water Project, and DWR will continue to operate the State Water Project at its sole discretion.
 - b. The DCF is an authorized component of the State Water Project pursuant to California Water Code sections 11100 et seq. and 12930 et seq.
 - c. Effective Date: A contract amendment pursuant to this AIP shall have an effective date no sooner than the billing transition date set forth in State Water Project Water Supply Contract Amendment known as The Contract Extension Amendment.
 - d. Administration of DCF: DWR will forecast and account for Project Water attributable to the DCF and DWR will determine whether or not that Project Water would not have been available at Clifton Court Forebay. A whitepaper describing the DWR's and the PWAs' current understanding of the approach on forecasting, administration, and accounting is contained in Attachment 1. Attachment 1 will not be incorporated into contract language.

- v. Objective 4 - Delta Conveyance Facility billing
 - a. These costs would be billed to and collected from SWP PWAs consistent with the Delta Facilities Allocation Factor table below through their annual SOC.
 - b. **Delta Conveyance Facilities Charge Components:** All capital and minimum operations, maintenance, power and replacement (OMP&R) costs associated with the DCF are 100% reimbursable and shall be recovered by DWR from PWAs through their annual SOCs consistent with the Delta Facilities Allocation Factor table. These costs shall be allocated to and billed under two new charges as follows:
 - (1) Delta Conveyance Facilities Capital Charge Component.
 - (2) Delta Conveyance Facilities Minimum OMP&R Component.

c. **Delta Conveyance Facilities Capital Charge Component Method of Computation**

1. This computation will recover actual annual debt service created by financing activities (Financing Method) for DCF.
2. Each Financing Method shall provide an annual repayment schedule, which includes all Financing Costs.
3. Financing Costs shall mean the following: Principal of and interest on Revenue Bonds, debt service coverage required by the applicable bond resolution or indenture in relation to such principal and interest, deposits to reserves required by the bond resolution or indenture in relation to such Revenue Bonds, and premiums for insurance or other security obtained in relation to such Revenue Bonds.

d. Financing Method shall be divided into four categories: DCF Capital Costs paid with the proceeds of Revenue Bonds; DCF Capital Costs paid with amounts in the State Water Resources Development System Reinvestment Account; DCF Capital Costs paid annually for assets that will have a short Economic Useful Life or the costs of which are not substantial, and DCF Capital Costs prepaid by the PWAs consistent with the Delta Facilities Allocation table.

e. DCF Capital Charge Component should be allocated to the PWAs in proportion to the Delta Conveyance Facilities Allocation Factors for each calendar year and consistent with the Delta Facilities Allocation Factor table.

f. **Delta Conveyance Facilities Minimum OMP&R Charge Component Method of Computation**

1. Recovery will be estimated and/or actual annual OMP&R costs determined for the DCF each year.
2. DCF Minimum OMP&R Charge Component shall be allocated to the PWAs in proportion to the Delta Conveyance Facilities Allocation Factors for each calendar year.

g. **Delta Conveyance Facilities Energy Charges:** The DCF energy costs are 100% reimbursable by the PWAs and the methodology will be determined by DWR, reviewed in the SWRDS Finance Committee, and approved by the Director.

h. **Redetermination:** These charges shall be subject to redetermination.

i. **Step-up:** PWAs that execute a contract amendment to opt out will not be allocated any portion of a step-up required in the event of a default on a DCF Capital Charge.

j. **Delta Conveyance Facilities Allocation Factors:** Allocation of DCF Charge Components through annual SOC will follow a Delta Conveyance Facility Allocation Factors table. PWAs with a zero allocation factor would not be billed for repayment of costs for construction, operation and maintenance of facilities

associated with DCF, except to the extent there is a permanent transfer of Table A that would increase a PWA to a greater than zero allocation factor through a subsequent contract amendment. The Delta Conveyance Facility Allocation Factor table will be kept and administered by DWR and will reflect the results of any publicly held votes by PWAs. DWR will post the current table on its website. The Delta Conveyance Allocation Factor for the following PWA's will start at zero in the Delta Conveyance Facility Allocation Factors table kept by DWR and may be subsequently adjusted based on any publicly held votes of such PWAs Board of Directors through this administrative process:

City of Yuba City
County of Butte
Plumas County FC&WCD
Napa County FC&WCD
Solano County Water Agency
Tulare Lake Basin Water Storage District
County of Kings
Oak Flat Water District
Empire-West Side Irrigation District
Santa Barbara County FC&WCD
Littlerock Creek Irrigation District

VI. Objective 5 - Delta Conveyance Facility Benefits Allocation

- a. PWAs that execute a contract amendment to opt out of DCF costs and benefits will agree, within that amendment, to the following:
 - i. Charges as set forth in Section V of this AIP will not appear on its SOC.
 - ii. Forego and waive any contractual rights to the following:
 - a. Right to or delivery of Project Water attributable to the DCF, provided that DWR determines that such water would not have been available for diversion at Clifton Court Forebay. This AIP will not modify the amounts within Table A but will memorialize this limited reduction for DCF Benefits by adding a footnote to the PWA's Table A to reflect their zero allocation for DCF Benefits.
 - b. Any contractual rights to or delivery of Article 21 Interruptible Water prior to the point(s) in time each year DWR determines that a volume of water equal to the volume of current year Project Water for Table A in San Luis Reservoir attributable to DCF in the SWP share of San Luis Reservoir storage will be displaced or evacuated by a quantity of exports equal to the quantity of exports from Clifton Court Forebay that would have been stored in San Luis Reservoir absent the DCF. Provided that, when Article 21 Interruptible Water supply is greater than demand from PWAs with a greater than zero Delta Conveyance Facility Allocation factor, Article 21 Interruptible Water will be made

- available to all PWAs based on Table A percentage.
- c. Any contractual rights to or delivery of Article 21 Interruptible Water attributable to the DCF after a volume of water equal to the volume of current year Project Water for Table A in San Luis Reservoir attributable to DCF has been evacuated or displaced by the exports from Clifton Court Forebay that would have been stored in San Luis Reservoir absent DCF. Provided that, when Article 21 Interruptible Water supply is greater than demand from PWAs with a greater than zero Delta Conveyance Facility Allocation Factor, Article 21 Interruptible Water will be made available to all PWAs based on Table A percentage.
 - d. Right to use DCF conveyance capacity unused by DWR for SWP purposes to convey non-project water, except as provided in subsection h.
 - e. Right to use available DCF conveyance capacity to convey Project Water in the event that pumping directly from the south Delta is prevented or impaired by a physical, regulatory or contractual disruption, including but not limited to sea level rise, seismic events, flooding, or other uncontrollable event.
 - f. Right to carriage water savings that DWR determines are realized during its operation of any DCF for purposes of conveying Project Water.
 - g. Right to any credit from Fair Compensation collected by DWR for use of available DCF conveyance capacity.
 - h. Rights to use of the DCF, unless a subsequent contract with DWR is entered that provides for payment of Fair Compensation associated with such use.
- iii. For the North of Delta PWAs, DWR will not change the current administrative process for determining the availability of Article 21 due to the DCF. This process will be documented in the Article 21 administration that is distributed via a Notice to Contractors.
- b. PWAs that execute a contract amendment to assume costs and benefits of the DCF will agree, within that amendment, to the following:
 - i. Charges will appear on the SOC as set forth in the table in the percentages shown in Section V of this AIP.
 - ii. DCF Benefits in proportion to the percentage table in Section V of this AIP, including but not limited to:
 - a. Delivery of Table A amounts diverted at and conveyed through the DCF. This AIP will not modify the amounts within Table A but will memorialize this DCF Benefits by amending the PWA's Table A with a footnote. The footnote will recognize each PWA's DCF Benefits

consistent with the Delta Conveyance Facilities Allocation Factors.

- b. Article 21 Interruptible Water attributable to DCF.
 - c. Available DCF conveyance capacity unused by DWR for SWP purposes, to convey non-project water for ultimate use within that PWA's service area.
 - d. Carriage water savings that DWR determines are realized during its operation of any DCF for purposes of conveying Project Water.
 - e. Available DCF conveyance capacity to convey Project Water in the event that pumping in the south Delta is prevented or impaired by a physical, regulatory or contractual disruption, including but not limited to sea level rise, seismic events, flooding, or other uncontrollable event.
 - f. A credit from Fair Compensation collected by DWR for use of available DCF conveyance capacity.
- c. Nothing in this AIP changes Article 18(a) in the existing State Water Project Water Supply Contracts.

VII. Objective 6 - Affect Upon Other Water Supply Contract Provisions

- a. Unless specifically stated in this AIP and incorporated into a subsequent contract amendment, there are no changes to the PWAs' rights and obligations under the existing State Water Project Water Supply Contracts.
- b. Transfers and exchanges are not intended to be modified under this AIP and shall be subject to the provisions of the then existing State Water Project Water Supply Contracts.

VIII. Other Provisions

- a. Clifton Court Forebay Diversion Priority: In the event that DWR uses its discretion to move Project Water through the DCF that could have been moved through Clifton Court Forebay Intake, PWAs with a greater than zero Delta Conveyance Facilities Allocation Factor will be given a first priority of available capacity, as determined by DWR, based on their percentage in section V to move up to that same amount of non-project water at Clifton Court Forebay Intake.

IX. Environmental Review Process

DWR and the PWAs agree that this AIP is intended to be used during the environmental review process for the California Environmental Quality Act (CEQA), to define the proposed project description for the purposes of CEQA, and to permit the next steps of the SWP water supply contract amendment process, including scoping and the preparation of the EIR. The AIP principles are not final contract language and do not represent a contractual commitment by either DWR or the PWAs to approve

any proposed project or to sign contract amendments. By concurring with the AIP, DWR and the PWAs express their intent to move forward with the CEQA process with DWR as lead agency and the PWAs as responsible agencies, and ultimately develop a proposed project consisting of contractual amendments consistent with the AIP principles and prepare the EIR for consideration by DWR and the PWAs.

At the end of the CEQA process and in compliance with CEQA, DWR and the PWAs will each individually evaluate the EIR and Contract Amendment, exercise their independent judgment, and determine whether or not to certify the EIR, approve the proposed project and sign the contract amendment or to approve an alternative project. Consequently, even though DWR and the PWAs have agreed to the AIP for the purposes described in the preceding paragraphs, DWR and each PWA retain their full discretion under CEQA to consider and adopt mitigation measures and alternatives, including the alternative of not going forward with the proposed project.

State Water Project Water Supply Contract Delta Conveyance Amendment Agreement in Principle

Delta Conveyance Facility Allocation Factor Table

Updated with public information available as of March 29, 2021.

Public Water Agency	Delta Conveyance Facilities Allocation Factors
City of Yuba City	0
County of Butte	0
Plumas County FC&WCD	0
Napa County FC&WCD	0
Solano County Water Agency	0
Alameda County FC&WCD, Zone 7	
Alameda County Water District	
Santa Clara Valley Water District	
Dudley Ridge Water District	
Empire-West Side Irrigation District	0
Kern County Water Agency-Total	
County of Kings	0
Oak Flat Water District	0
Tulare Lake Basin Water Storage District	0
San Luis Obispo County FC&WCD	
Santa Barbara County FC&WCD	0
Antelope Valley-East Kern Water Agency	
Santa Clarita Valley Water Agency	
Coachella Valley Water District	
Crestline-Lake Arrowhead Water Agency	
Desert Water Agency	
Littlerock Creek Irrigation District	0
Mojave Water Agency	
Palmdale Water District	
San Bernardino Valley Municipal Water District	
San Gabriel Valley Municipal Water District	
San Geronio Pass Water Agency	
The Metropolitan Water District of Southern California	
Ventura County Watershed Protection District	
Total	100.000%

Attachment 1: Final White Paper

I. Background

This white paper describes current understanding of how the Department of Water Resources (DWR) would account for and administer the Delta Conveyance Facility (DCF) Benefits. DWR will include information regarding the accounting and administration of water attributable to DCF in relevant Notice(s) to State Water Project Contractors consistent with prior practice. No legally binding obligations are created by this white paper. This white paper may be updated from time to time by DWR, in consultation with the Public Water Agencies (PWAs), in response to factors including, but not limited to, changes in laws, regulations or permits applicable to DWR and/or the State Water Project (SWP). Capitalized terms not defined herein shall have the meanings ascribed to them in the DCF Agreement in Principle (AIP).

II. Draft Delta Conveyance Accounting and Administration Concepts

The DCF will be integrated into the State Water Project and operated to provide maximum flexibility to meet water supply, regulatory requirements and contractual obligations. There are some PWAs that may opt out of the DCF Benefits and charges. For this reason, it will be necessary to account for DCF Benefits. DCF Benefits are described in the AIP and are “those water supply and capacity benefits attributable to the DCF including but not limited to: (1) Table A water supplies; (2) Article 21 water supplies; (3) carriage water savings; (4) reliable water supply and use of DCF available capacity in the event of a temporary or permanent physical, regulatory, or contractual disruption of southern Delta diversions; and (5) use of DCF available capacity to move non-Project Water through the proposed DCF.” To account for DCF Benefits, DWR will need to determine the amount of water attributable to the DCF. DWR will primarily use two tools: 1) **forecasting** Project Water attributable to the DCF for the coming year; and, 2) **accounting** for Project Water attributable to the DCF in a timely manner. Both are described below.

A. Forecasting- DWR will forecast, as shown below, to quantify the amount of Project Water attributable to DCF.

1. DWR anticipates that it will provide three water supply allocation forecasts:
 - a. North of Delta allocation that includes water attributable to the south Delta diversions (similar to current practice).
 - b. South of Delta allocation that includes water attributable to the south Delta diversions (similar to current practice).
 - c. Allocation of water attributable to the DCF.
2. The allocation forecasts will continue to be updated monthly and each forecast will include updated information on hydrology including runoff projections, SWP storage conditions, PWA demands, regulatory requirements, and actual exports attributable to the south Delta diversions and the DCF.

3. DWR will continue to include in the allocation forecasts any potential DCF capacity available for conveyance of non-Project Water.
4. Seasonal Forecast: Should conditions warrant additional forecasts, (i.e. wet hydrological conditions and/or DWR determines that San Luis Reservoir is likely to fill) DWR will provide more frequent forecasts on one or more of the following:
 - a. San Luis Reservoir fill projection.
 - b. Potential Article 21 availability.

B. Accounting

1. DWR will continue to create operational schedules for the south Delta and the DCF which will include any operational constraints and in accordance with applicable regulatory requirements and contractual obligations in order to account for water attributable to the DCF.
2. DWR will reconcile water exports attributable to DCF and the south Delta facilities in a timely manner.
3. If there is a difference in the amount of water conveyed through the south Delta facilities between the planned operations and actual operations there will be a determination about the cause of any identified differences. If the difference is due to a physical, regulatory, or contractual disruption of south Delta diversions or other south Delta restrictions, then water conveyed through the DCF will be considered water attributable to DCF. If the difference is the result of DWR's discretionary decision to convey Table A water through the DCF instead of south Delta, no charge/credit will occur. However, DWR will estimate the carriage water savings associated with the discretionary use of DCF and carriage water savings will be considered water attributable to DCF.
4. Carriage water savings that DWR determines are realized by conveying Project Water through the DCF that would have otherwise been moved through the south Delta facilities, will be credited to Participants. PWAs with a zero Delta Conveyance Allocation Factor that make arrangements with DWR to pay for use of available capacity in the DCF for non-Project Water may be credited carriage water savings associated with this use.
5. Available DCF capacity, as determined by DWR, to convey transfers and exchanges of Project Water between PWAs with a Delta Conveyance Facility Allocation Factor of zero and PWAs with a greater than zero Delta Conveyance Facility Allocation Factor is interpreted as capacity in the DCF attributed to the PWAs with a greater than zero Delta Conveyance Facility Allocation Factor and no additional capital or minimum operations, maintenance, power and replacement (OMP&R) charges for use of DCF capacity will apply notwithstanding any PWA's interpretation of existing contract language to the contrary. Nothing in this provision shall be construed as altering any party's position regarding the application for use of facility charges in other contexts.

6. **Article 21 attributable to DCF for South of Delta PWAs:** As set forth in the AIP, PWAs opting out of the DCF will influence the administration of water made available pursuant to Article 21. To determine the quantity of Article 21 water that PWAs with a zero Delta Conveyance Facilities Allocation Factor will initially forego and the quantity of Article 21 water those PWAs with a Delta Conveyance Facilities Allocation Factor greater than zero will receive, it is necessary to determine the amount of water attributable to the DCF in the San Luis Reservoir at Point A. Determining this water quantity will provide the basis upon which DWR can administer the DCF Benefits contained in the contract amendment that results from the AIP.

a. Process (See Table 1):

- i. **Point A:** The point at which DWR determines Article 21 water attributable to DCF will be available. DWR will determine volume of Project Water for Table A attributable to the DCF in San Luis Reservoir.
- ii. DWR will work with PWAs to develop an accounting methodology that considers exports attributed to DCF, exports from south Delta facilities, deliveries to PWAs, San Luis Reservoir fill point and the PWAs DCF allocation factors to determine the volume of Project Water for Table A in San Luis Reservoir attributable to DCF at Point A.
- iii. **Point B:** The point at which DWR determines Article 21 water would have been made available absent Project Water for Table A attributable to DCF in San Luis Reservoir, and/or DWR determines through the accounting process that San Luis Reservoir would have filled absent current year Project Water attributable to DCF. This point is reached when a volume of water equal to the volume of current year Project Water for Table A in San Luis Reservoir attributable to DCF at Point A has been displaced or evacuated by the quantity that would have been exported from Clifton Court Forebay and stored in San Luis Reservoir absent the DCF.

b. Deliveries of Article 21 water attributable to DCF Between Point A and Point B:

- i. PWAs may submit Article 21 requests to DWR prior to point A. DWR will satisfy those requests according to the following priority:
 1. PWAs up to their Delta Conveyance Facility Allocation Factor;
 2. All PWAs based on Table A percentage. Only Variable and DCF Energy charges will apply for those PWAs with a greater than zero Delta Conveyance Facility Allocation Factor. For those PWAs with a zero Delta Conveyance Facility Allocation Factor, Article 21 water will be made available at the following charges:
 - a. the Variable and DCF Energy charges for the amount up to Article 56(c)(1) and Article 56(c)(2) water spilled within the

PWAs proportionate share of San Luis Reservoir storage at Point A;

b. Fair Compensation for any additional amounts.

c. Deliveries of Article 21 water attributable to DCF After Point B:

i. PWAs may submit requests to DWR. DWR will satisfy those requests according to the following priority:

1. PWAs' proportion based upon the Delta Conveyance Facility Allocation Factors;
2. All PWAs based on Table A percentage. Only Variable and DCF Energy charges will apply for those PWAs with a greater than zero Delta Conveyance Allocation Factor. For those PWAs with a zero Delta Conveyance Facility Allocation Factor, this water will be provided at Fair Compensation.

TABLE 1: Article 21 Interruptible Water Attributable to the Delta Conveyance Facilities		
PWA	Point A - Point B	At/After Point B
<u>FIRST PRIORITY:</u> PWAs participating in DCF (PWAs with a greater than zero DCF Allocation Factor %)	<ul style="list-style-type: none"> • Quantity (AF): Up to DCF Allocation Factor % • Charge (\$): Variable and DCF Energy Charges 	<ul style="list-style-type: none"> • Quantity (AF): Up to DCF Allocation Factor % • Charge (\$): Variable and DCF Energy Charges
<u>SECOND PRIORITY:</u> All PWAs	<ul style="list-style-type: none"> • Quantity (AF): Based on Table A % • Charge to DCF Participant (\$): Variable and DCF Energy Charges • Charge to DCF Non-Participant for AF <= to spilled carryover water (\$): Variable and DCF Energy Charges • Charge to DCF Non-Participant for AF > spilled carryover water (\$): Fair Compensation 	<ul style="list-style-type: none"> • Quantity (AF): Based on Table A % • Charge to DCF Participant (\$): Variable and DCF Energy Charges • Charge to DCF Non-Participant (\$): Fair Compensation

C. Collaborative Development of Administrative Procedures

As a subset to the Water Operations Committee, a DCF workgroup will be created similar to the current San Luis Reservoir Workgroup. This group will meet and confer as needed, and may discuss items such as forecasting, operations, accounting, and administration of the DCF. Members may include representatives from DWR (SWPAO and OCO) and PWAs and will report back to the PWA Water Operations Committee.



SAN LUIS OBISPO COUNTY
FLOOD CONTROL AND WATER CONSERVATION DISTRICT

TO: District State Water Subcontractors
FROM: Wes Thomson, P.E.
DATE: May 7, 2021
SUBJECT: WMT Study Workshop – April 8, 2021

Summary

The attached presentation on water management strategies was given by the consultant team at the special joint meeting with CCWA member agencies and District Subcontractors. The next workshop is scheduled for July 8, 2021.

Attachments

1. WMT Study Presentation Slides, April 8, 2021

The background of the slide features a scenic view of a large reservoir or dam. In the foreground, a concrete dam structure with a walkway and railings is visible. The water is calm and reflects the sky. In the distance, there are rolling hills and mountains under a clear blue sky. The overall tone is bright and natural.

Water Management Strategies

Stakeholder Meeting

April 8, 2021

Agenda



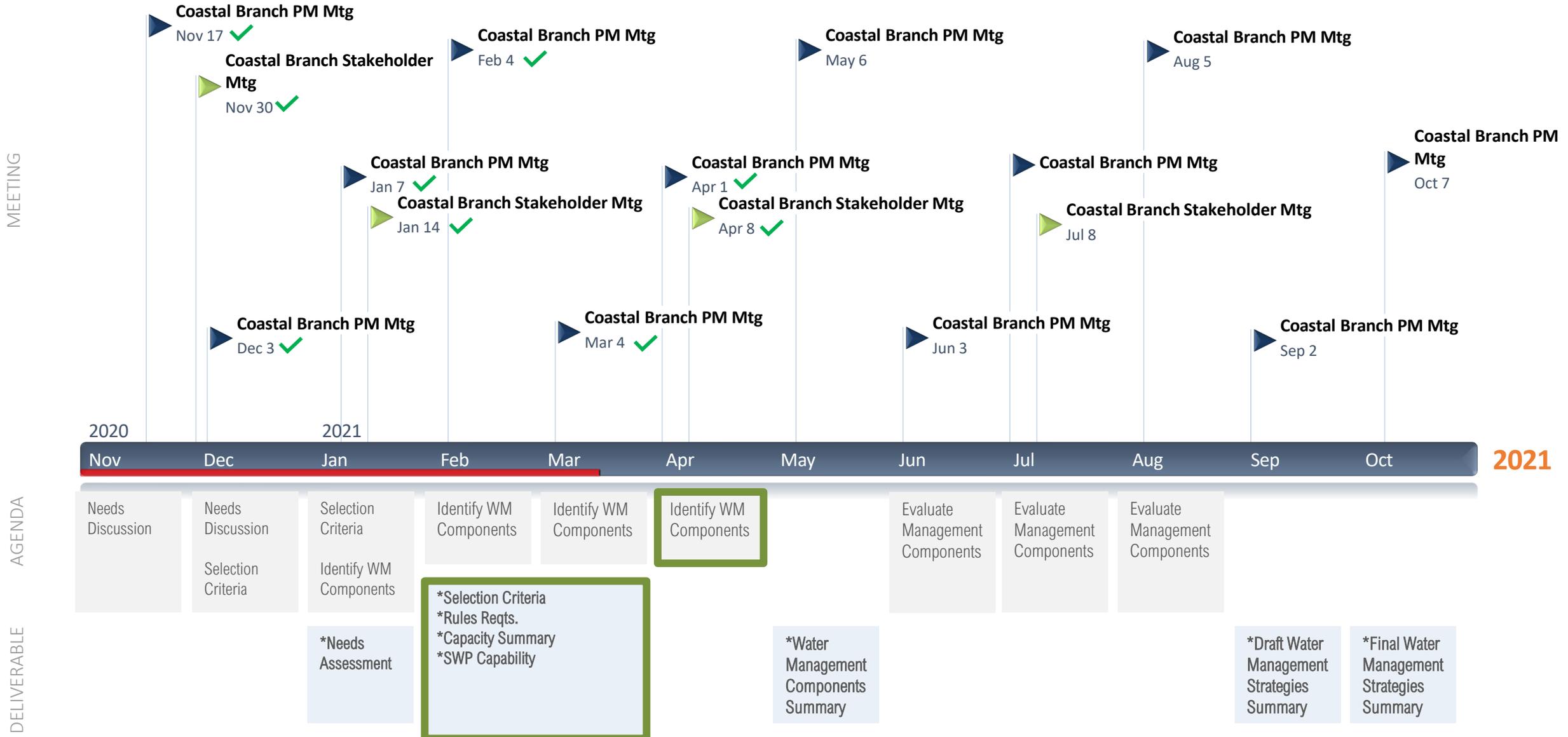
- Purpose and Goals
- Schedule
- Document Outline
- Progress Updates
 - Needs Assessment
 - Selection Criteria
 - Rules and Requirements
 - Capacity
 - SWP Capability
 - Water Management Components
- Next Steps

Purpose and Goal

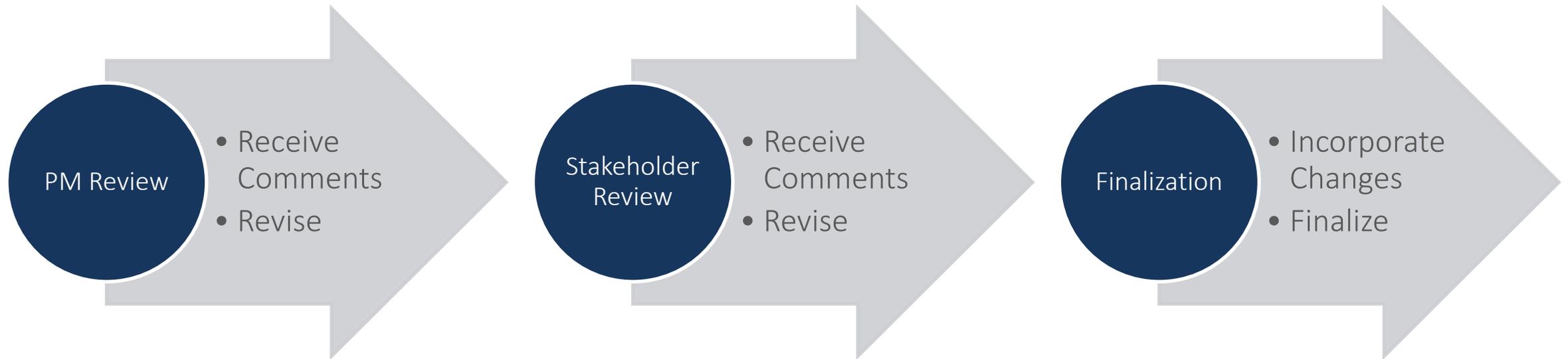
To develop water management strategies to maximize yield of the State Water Project for San Luis Obispo and Santa Barbara counties through an iterative process of stakeholder engagement.



Water Management Strategies Schedule



Review Process



Section Key

Status:

Review and Comment In Progress



Status:

Reviewed and Approved





✔ DOCUMENT OUTLINE

1. Purpose
2. Executive Summary
3. Background
4. Needs Assessment
 - a. Intro
 - b. Geographical
 - c. Other Considerations
5. Rules and Requirements
 - a. Intro
 - b. State Water Project (SWP)
 - c. State Water Resources Control Board (SWRCB)
 - d. Environmental Permitting
 - e. Groundwater Basin Constraints
6. Conveyance Capacity
 - a. Intro
 - b. Local
 - i. Coastal Branch
 - c. State
 - i. Aqueduct
 - d. Qualitative Description
 - i. Chorro Pipeline
 - ii. Lopez Pipeline
 - iii. Lake Nacimiento
 1. Reservoir
 2. Pipeline
 - iv. Lake Cachuma
 1. Reservoir
 2. Tunnel
 - v. Santa Ynez/Edna Valley
 - vi. Salinas Pipeline
 - vii. Santa Margherita Lake
7. State Water Project Supply Capability
8. Selection Criteria
 - a. Water Supply and Reliability
 - b. Water Quality
 - c. Ability to Permit
 - d. Cost
 - e. Proximity
 - f. Equity
 - g. Reliability
9. Water Management Components
 - a. Intro
 - b. Physical
 - i. Bank
 - ii. Potential for new features
 - c. Operational
 - i. Transfers
 - ii. Exchanges
10. Evaluation of Management Components
 - a. Approach to Component Analysis
 - b. Component Group A
 - i. Features
 - ii. Summary
 - c. Component Group B
 - d. Etc.
11. Recommendations



✔ NEEDS ASSESSMENT

Categories of Need



Regions Review

Central Coast Water Authority

North County

- City of Santa Maria
- Golden State Water Company
- City of Guadalupe

Mid County

- City of Buellton
- Santa Ynez RWCD, Improvement District #1
- City of Solvang
- Vandenberg Air Force Base

South Coast

- Goleta Water District
- City of Santa Barbara
- Montecito Water District
- Carpinteria Valley Water District
- La Cumbre Mutual Water Company

San Luis Obispo County Flood Control and Water Conservation District

North SLO

- County of SLO C.S.A. No. 16, I.D. #1 (Shandon)

Central SLO

- California Men's Colony (State)
- County of SLO (Op Center & Reg. Park)
- City of Morro Bay
- SLO Co. Comm. Coll. District (Cuesta College)

South SLO

- Avila Beach Community Services District
- Avila Valley Mutual Water Company, Inc
- Oceano Community Services District
- City of Pismo Beach
- San Luis Coastal Unified School District
- San Miguelito Mutual Water Co.

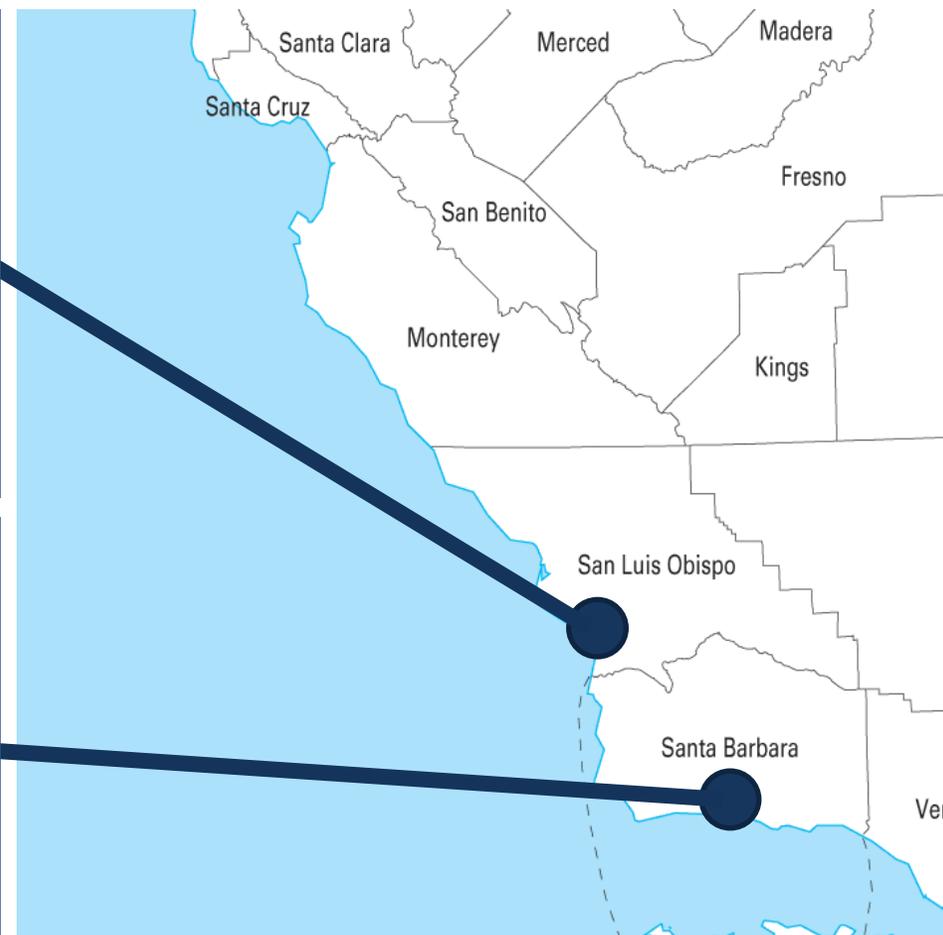
Regional Needs Findings

San Luis Obispo County Flood Control and Water Conservation District

- North SLO cost control for SWP supplies
- Central and Southern SLO cost control and dry year need

Central Coast Water Authority

- Cost control and affordability
- Northern need for SWP water quality
- Mid County and South Coast supply need during dry years





✓ SELECTION CRITERIA

Regional Objectives

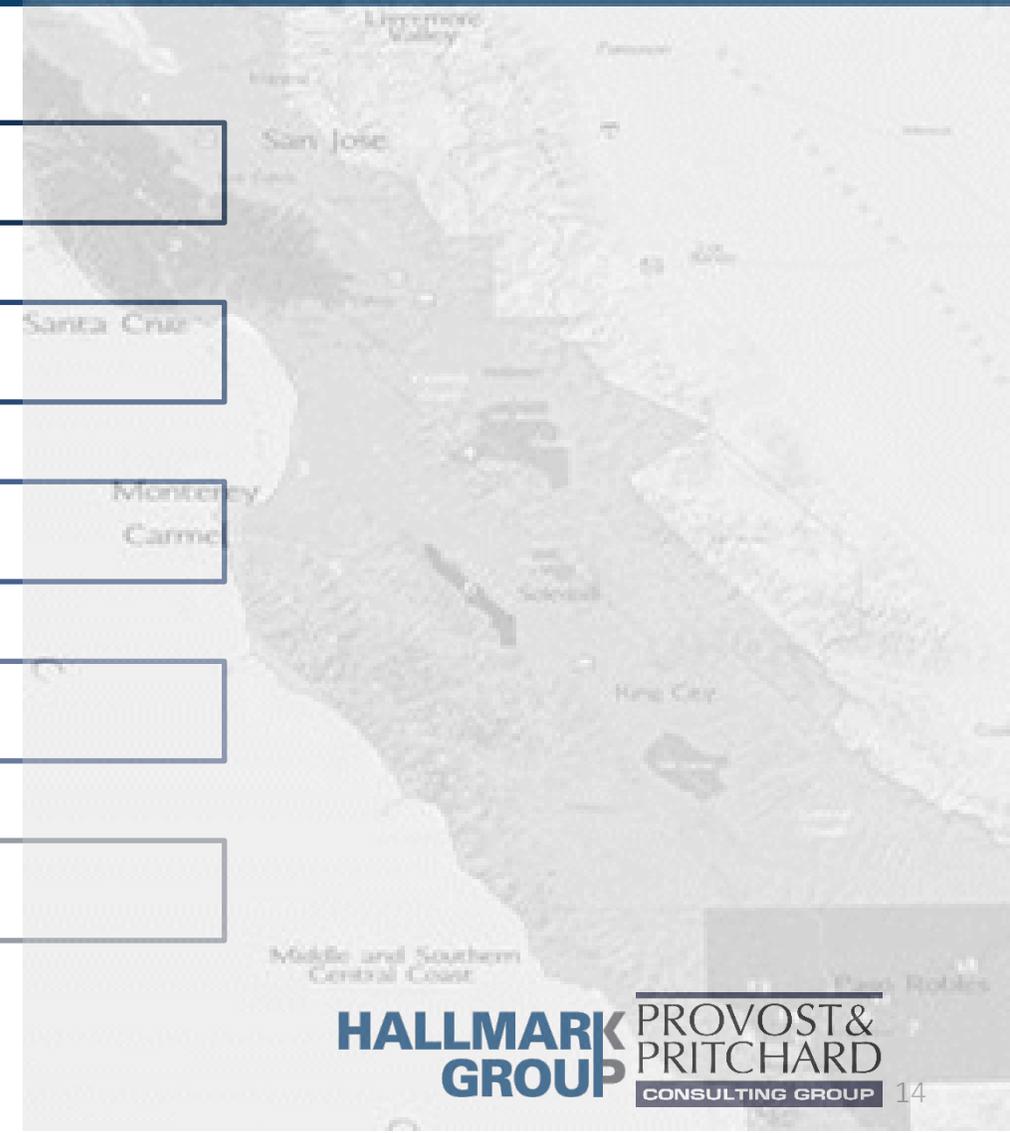
Water Supply

Groundwater Monitoring and Management

Ecosystem and Watershed Goal

Flood Management

Water Resources Management and Communications



Selection Criteria

To best determine if a management measure should be implemented

Criteria	Measure	Considerations
Water Supply	acre-feet cubic feet per second	Does the amount of volume or flow satisfy the participant need under a particular condition?
Water Quality	Maximum level and concentration	Is there difference in resulting water supply; how well does water supply meeting water quality needs; are there any negative adverse water quality effects?
Ability to Permit	Weeks	How lengthy and difficult would permitting process be?
Cost	Dollars	Is it affordable for the short term? Long term?
Proximity	Yes or no	Is the measure local or imported? Will it shift supply to a more sustainable/long-term solution?
Equity	Yes or no	Do alternatives maintain or improve DAC and tribal access to adequate water supplies?
Reliability	More or less	Is the supply cost and availability assured? Focus on moderate or extreme dry years?



RULES AND REQUIREMENTS

SWP Water Management Options

As of February 28, 2021 or Earlier

- **Water Transfers**
 - Single Year – Provided for in new contract amendment
 - Multiple Year – Require DWR approval subject to Article 15A
 - Permanent – Provided for in Monterey Amendment
- **Water Exchanges**
 - Provided for in Monterey Amendment, criteria subject to new contract amendment criteria
- **Storage within Service Area**
 - No contractual limitations
- **Storage Outside of Service Area**
 - Storage and transfer allowed in same Year
 - Water stored outside of service area can be transferred to another contractor



Water Transfers

- **SWP “In-Project” Transfers**

Annual – One-year transfers between SWP contractors included in new Water Management Amendment; Non-Signers limited to Turnback Pool

Multiple Year – SWP Contract provided for multiple year transfers among SWP contractors, subject to DWR approval

Permanent – Prior SWP contract amendments provided for permanent transfer of Table A amounts among SWP contractors

- **“Outside” Water Transfers**

Subject to various water rights and area of use constraints



Water Exchanges

Water provided by one agency in return for some fraction to be returned in future years.

- Typically, multi-year programs that provide **return of some water in dry years** when needs are greater
- SWP contract provides for “bona-fide” exchanges, with **conditions based on SWP allocations**
- Water Exchanges can often be described as **storage programs**
- Transfers can also be developed that **mimic exchange program**



Storage

- No SWP restrictions on water stored within agency's own service for future local use
- SWP contract provisions have conditions for storage outside of SWP contractor's own service area
- Storage allowed in available SWP storage facilities (e.g., San Luis Reservoir) subject to spill
- Storage allowed in other SWP contractors service area subject to SWP contract provision and conditions defined by partners

Other Considerations

- California Environmental Quality Act (CEQA) and other permitting applies to actions
- Santa Barbara and San Luis Obispo Counties must approve transactions as SWP contract holders
- Delta Stewardship Council consistency determination with Delta Plan required on some types of actions
- SWP water rights permit restricts use



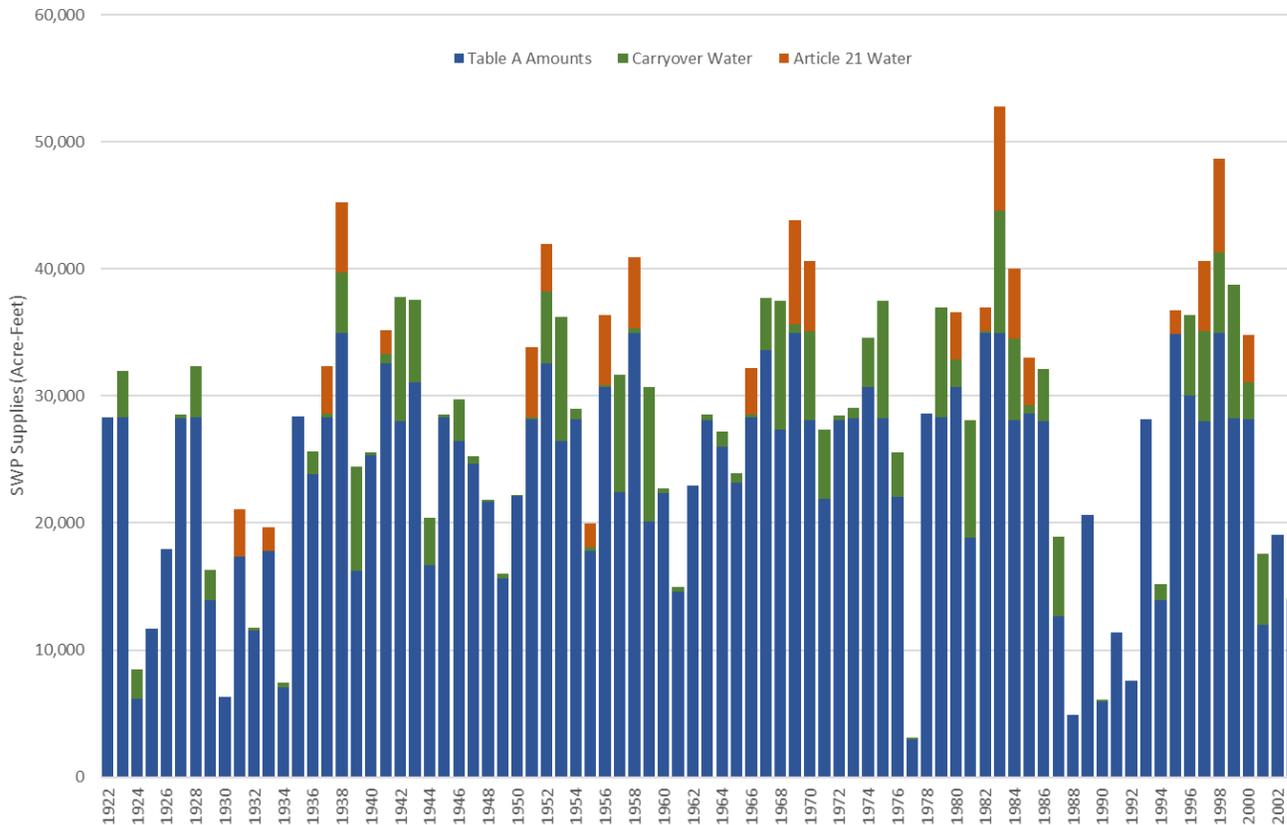
 SWP SUPPLY CAPABILITY

Supply Capability Approach

- Use CALSIM-2 operations studies prepared for DWR's 2019 SWP Delivery Capability Report
- CALSIM-2 studies include current Delta regulatory constraints, new CVP Coordinated Operations Agreement and revised Oroville Reservoir carryover policies
- CALSIM-2 includes 1922-2003 period; does not simulate 2010s drought
- CALSIM-2 more indicative of water available as opposed to ability to delivery

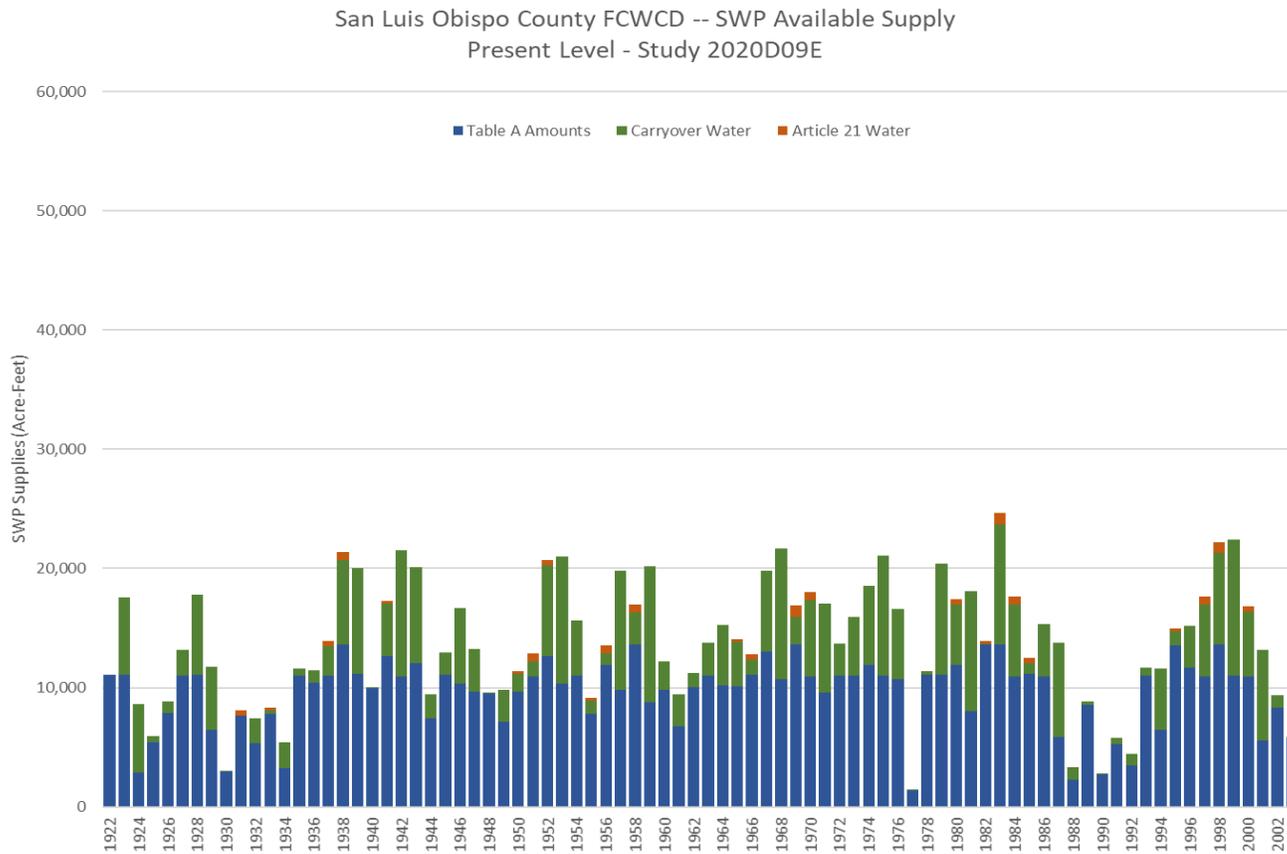
Santa Barbara Coastal Branch Contractors

Santa Barbara County FCWCD -- SWP Available Supply
Present Level - Study 2020D09E



- CALSIM-2 shows SWP average deliveries as 59% of Table A Amounts
- Deliveries limited in droughts – 1930s, 1976-77, early 1990s
- CALSIM-2 carryover water includes assumed Coastal Branch Contractors carry-over in San Luis Reservoir

San Luis Obispo Coastal Branch Contractors



- CALSIM-2 shows SWP average deliveries as 58% of Table A Amounts
- Lower average delivery amount due to lower average year deliveries; more spills of carryover water in San Luis Reservoir



CONVEYANCE CAPACITY

SWP-CCWA Conveyance Facilities

North to South:

- Reach 7 – SWP California Aqueduct
- Reach 31A – DWR Coastal Branch
- Reach 33A – DWR Coastal Branch
- Reach 4 – CCWA Coastal Branch
- Reach 5A – CCWA Coastal Branch
- Reach 6 – CCWA Coastal Branch

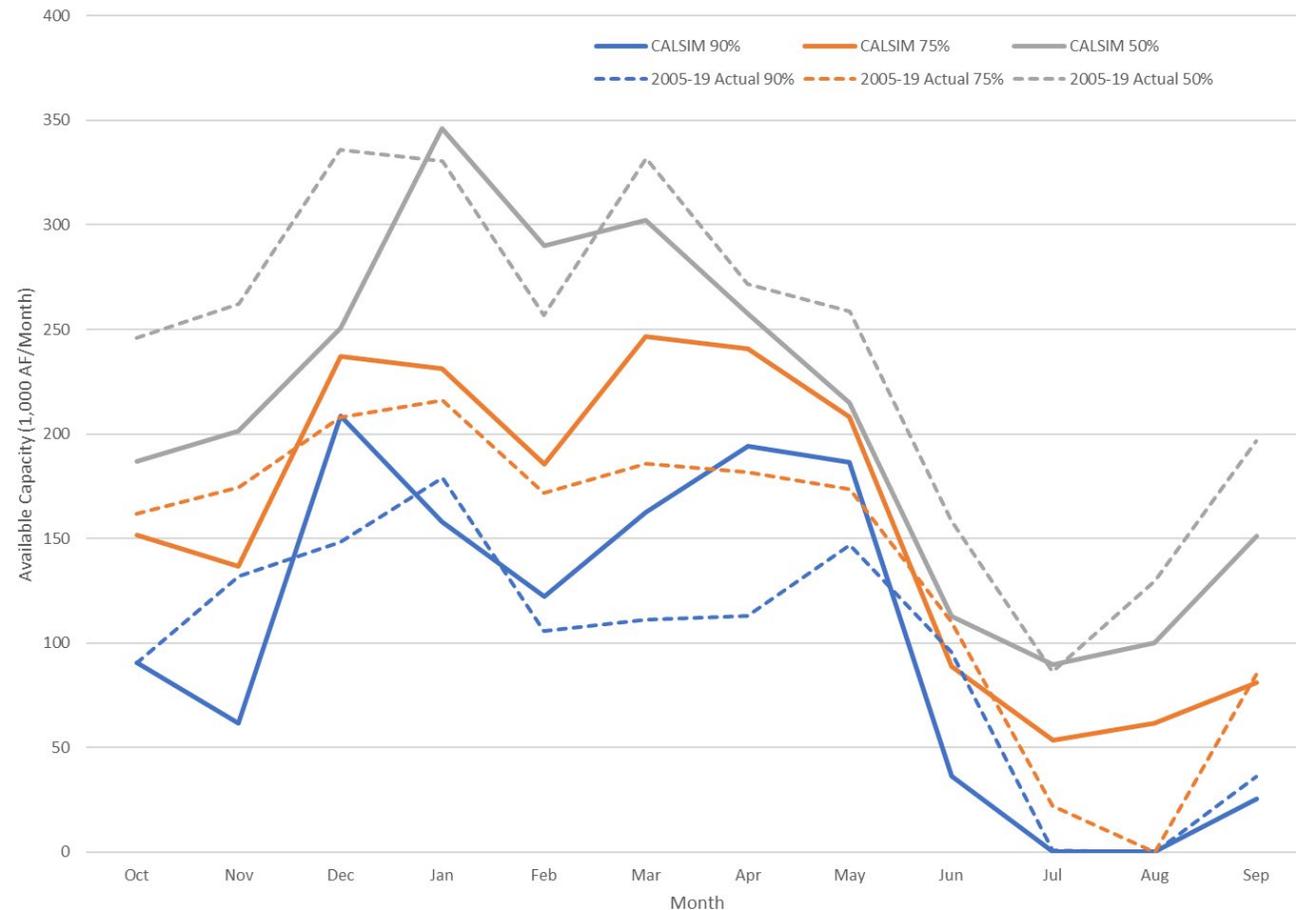


Conveyance Capacity Approach

- Identify timing of bottlenecks on SWP and Coastal Branch for 90%, 75%, 50%
- Two complementary analyses
 - Historical: Analyze Coastal Branch 1998-2020 historical and SWP 2005-2019 historical data
 - CALSIM-2: Use projections for 1922-2003 for 2019 SWP DCR
- Different strengths and weaknesses
 - Historical reflects variations in actual operations, but not able to distinguish between regulatory and operational shifts
 - CALSIM-2 reflects regulatory and operational changes but misses fine points of SWP contractor operations

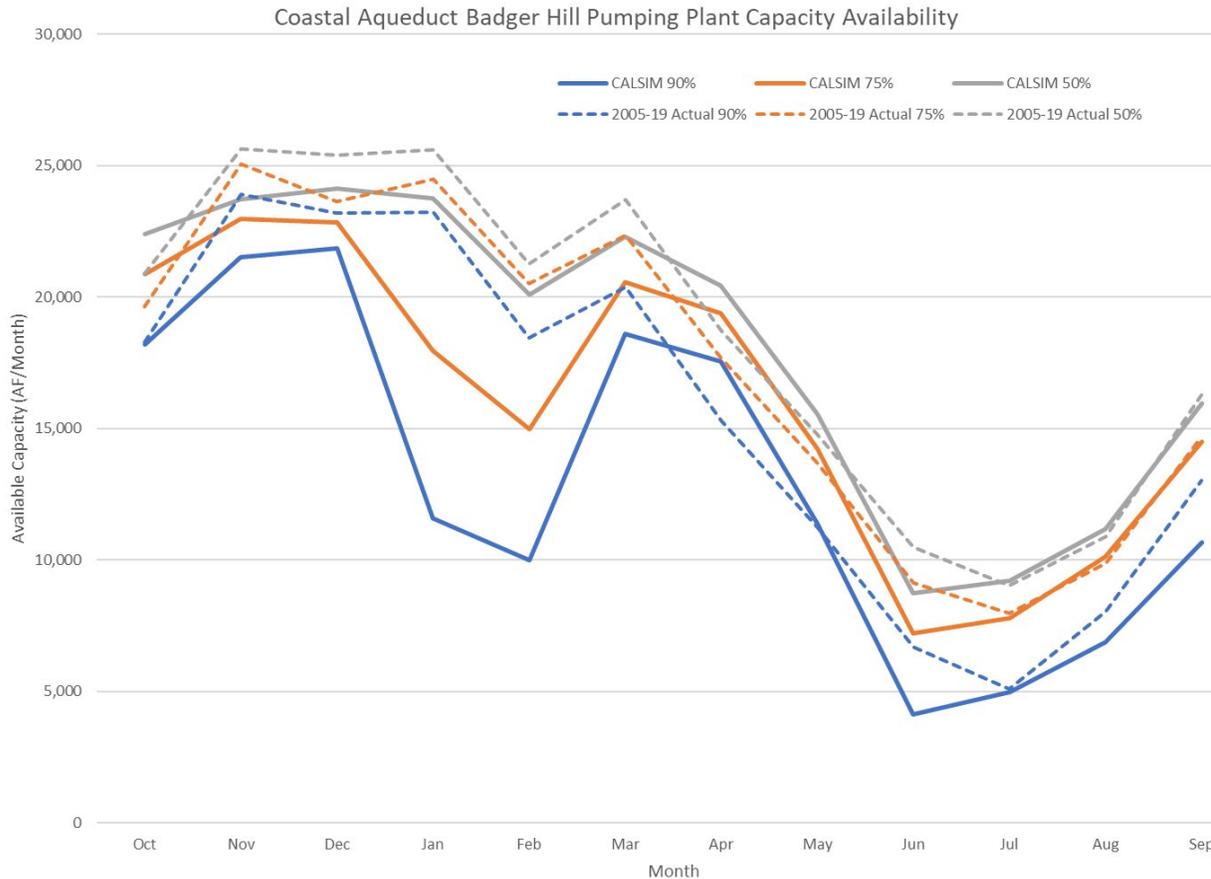
California Aqueduct San Joaquin Valley Reach 7

California Aqueduct Check 21 Capacity Availability



- California Aqueduct Check 21 near Kettleman City
- Aqueduct subject to groundwater subsidence with 2.3 foot freeboard reduction
- Operational capacity reduced from 8,100 cfs to 6,900 cfs
- Serious Peaking (July-August) limitations in high delivery years

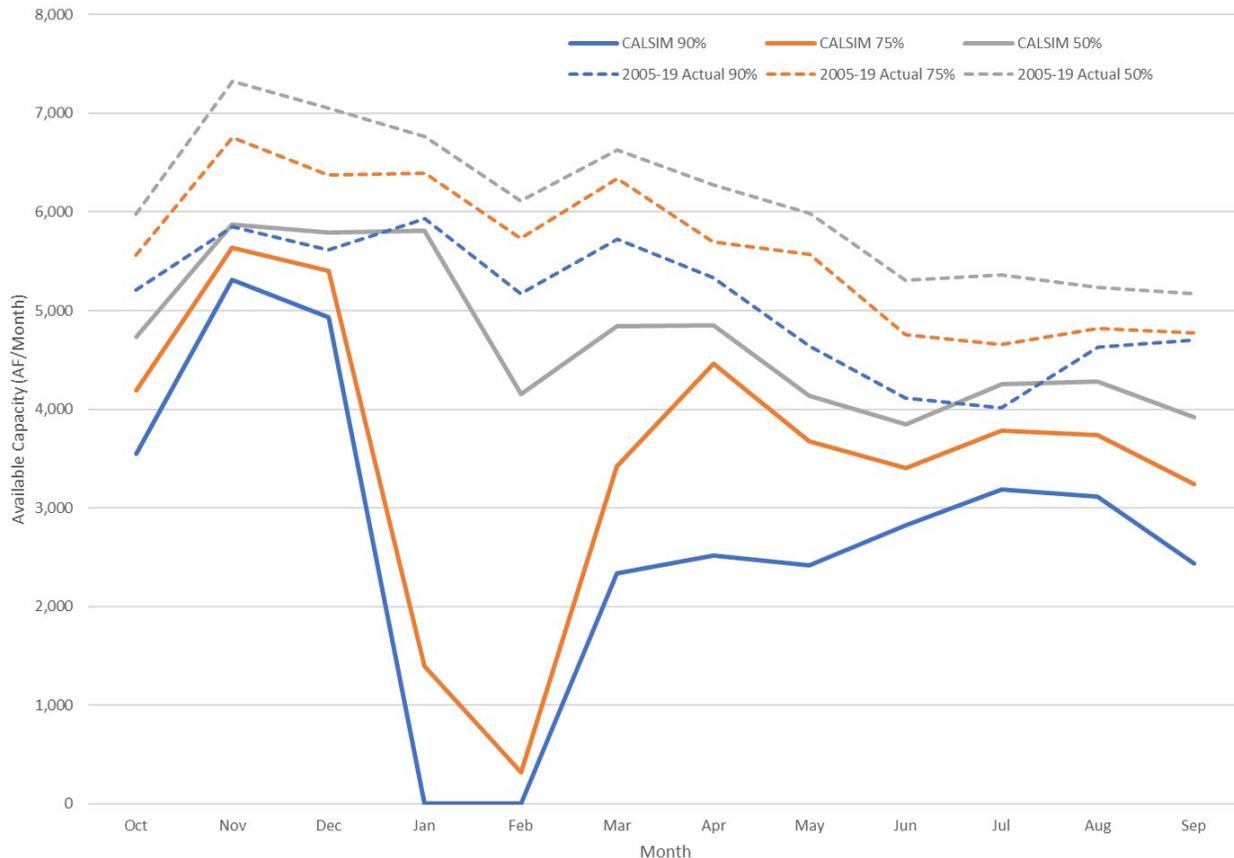
SWP Coastal Branch Phase 1 San Joaquin Valley Reach 31a



- Badger Hill Pumping Plant
- 26% Share of Capacity for Coastal Contractors
- 70% Share of Capacity for Kern County
- Peaking (July-August) limitations in high delivery years
- CALSIM and Historical Analyses show similar results

SWP Coastal Branch Phase 2 Polonio Pass Reach 33a

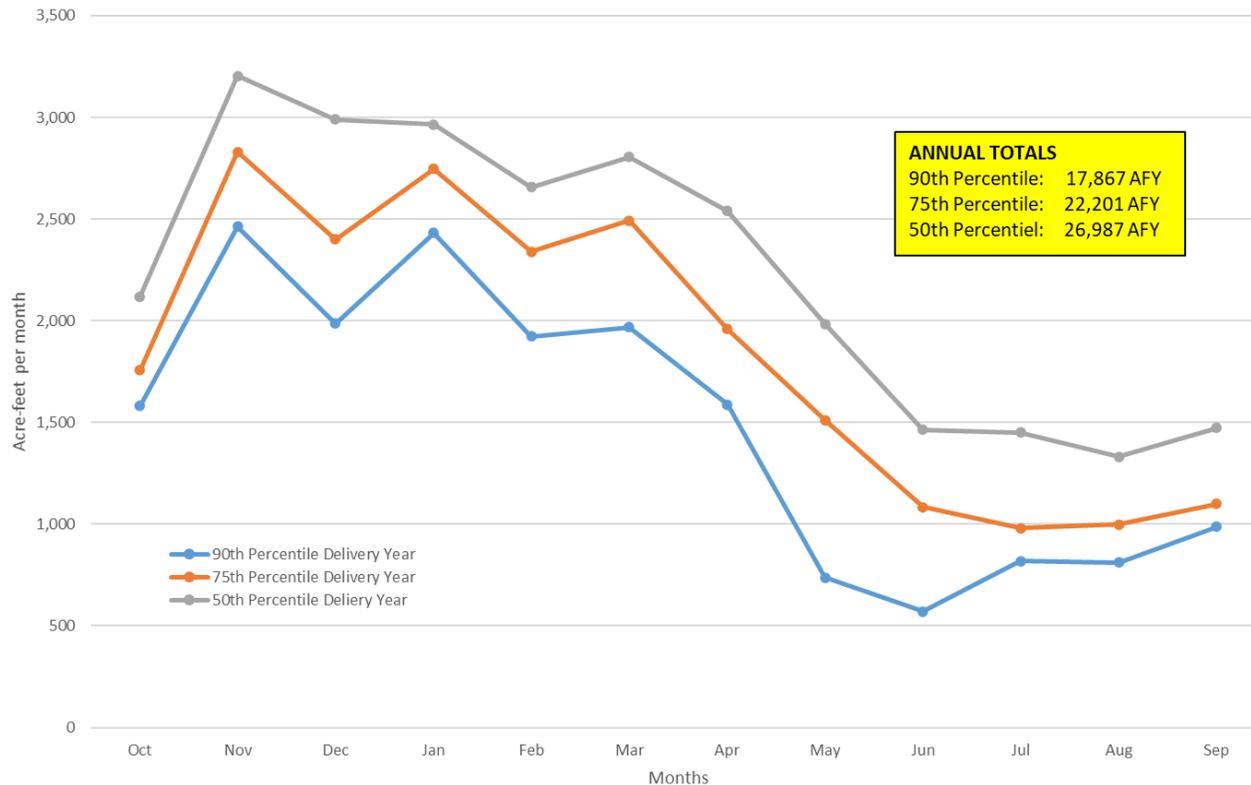
Coastal Aqueduct Polonio Pass Pumping Plant Capacity Availability



- Polonio Pass Pumping Plant
- 80% Share of Capacity for Coastal Contractors
- 20% Share of Capacity for Energy Efficiency Flexibility
- No limitations based on historical operation
- CALSIM projections show unrealistic January-February limitations; not used

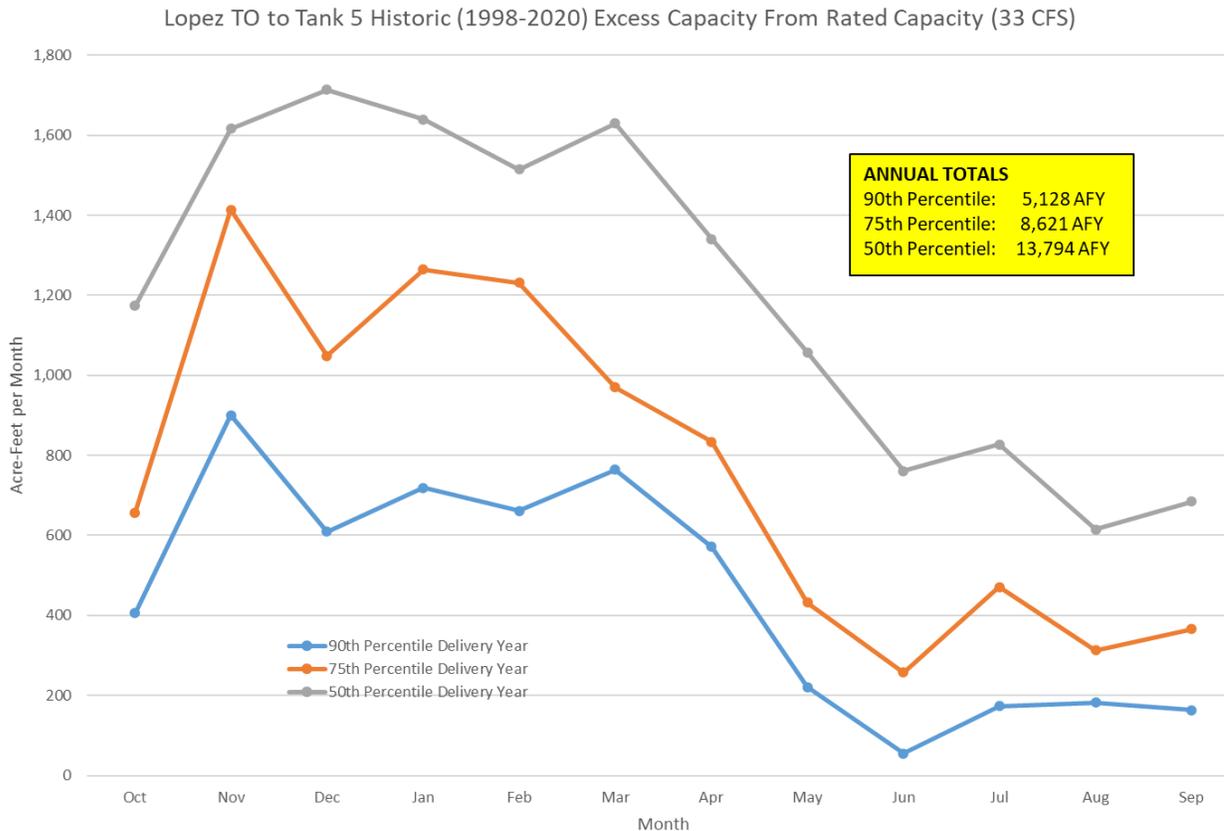
Coastal Branch Reach 4

WTP to CVTO Historic (1998-2020) Excess Capacity
From Rated Capacity (71 CFS) - Including CVTO Deliveries



- Above Chorro Valley Turnout
- Available capacity relatively low (<20%) May-August in high delivery years (90-percentile)
- Relatively high-capacity availability in other months (September-April) and in low-delivery years
- Similar results for Reach 5a

Coastal Branch Reach 6



- Below Santa Maria Turnout
- Available capacity relatively low (<12%) May-August in high delivery years (90-percentile)
- Relatively high-capacity availability in other months (September-April) and in low-delivery years

Supply and Conveyance Next Steps

- **Supply Capability** and **Conveyance Capacity** are input information for evaluating Water Management Components
- Look for **timing** of Supply Capability and Conveyance Capacity to transfer/exchange/store water
- **Limited on-peak** (May through August) capacity for additional water supply in high delivery years
- Analysis to look at **operations and costs** of typical Water Management Components



WATER MANAGEMENT COMPONENTS IDENTIFICATION

Process to Select and Evaluate Components



- Consultant Activities
- PM Activities
- Stakeholder Activities

State Water Project Management Strategy

Water Management Components

- Identify specific water management alternatives
- Initial list developed based on current and expected projects
- Potential water management alternatives continually subject to change
- Exchange and Banking program costs and parameters defined in program agreements
- Identify typical Central Coast SWP contractor management needs

Local Partners



Note: Annual and/or multi-year sales of State Water directly to new individual users to offset groundwater pumping would likely only be feasible if mechanisms exist to regulate/limit recharge and recovery rights of the recipient (see [SLO County FC&WCD WMT Amendment Resolution Provision 8](#))

Local Surface Reservoir Storage

Nacimiento Reservoir –Salinas Reservoir

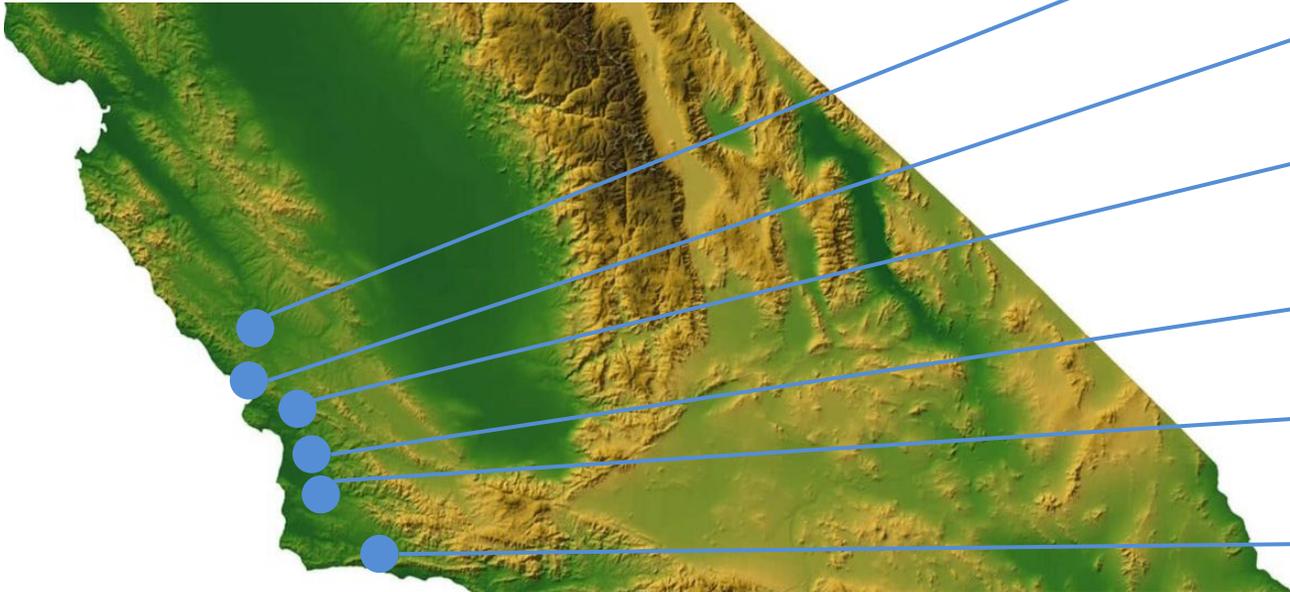
Whale Rock Reservoir

Chorro Reservoir

Lopez Lake Reservoir

Twitchell Reservoir

Lake Cachuma Reservoir



Local Exchanges/Transfers



SLO Uncontracted
SWP Table A

Additional SWP
Table A

South Coast Wet
Year Table A

Other

External Groundwater Banking

McMullin Area Groundwater Bank

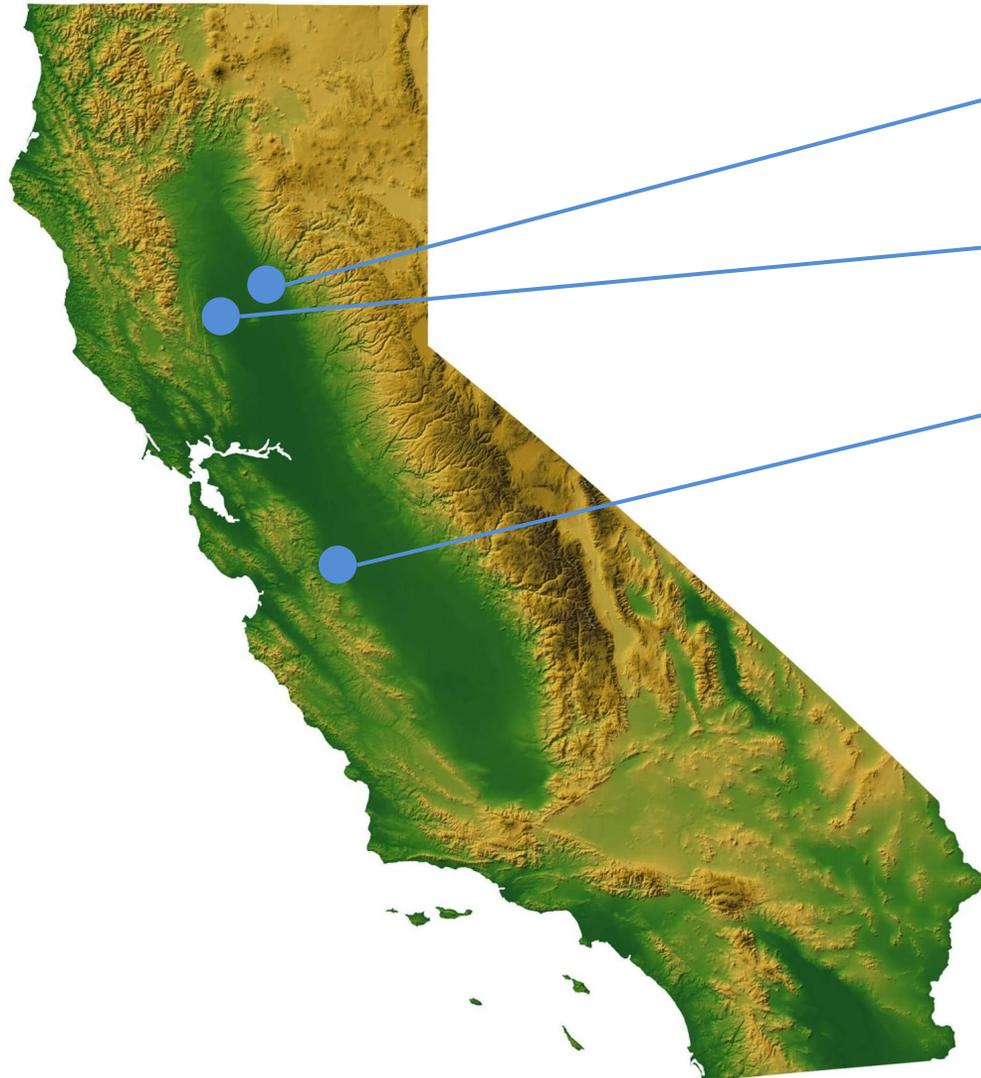
Kern Fan Banking Projects

Rosedale-Irvine Ranch Banking

Antelope Valley-East Kern Water Agency

Other

External Surface Reservoir Storage



Lake Oroville

Sites Reservoir

SWP San Luis Reservoir

Other

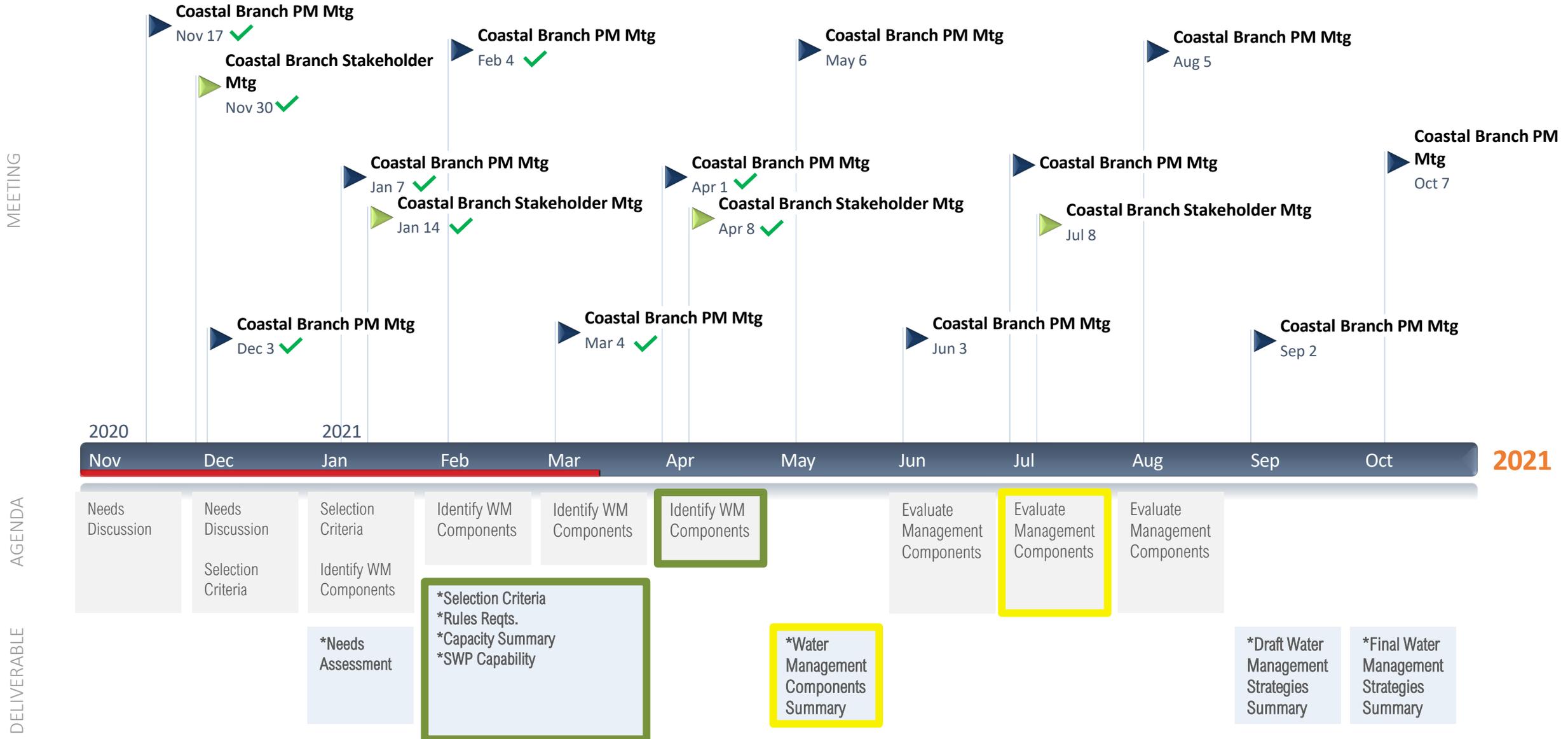
External Exchanges/Transfers/Sales

- CVP
- SLDMWA
- Westlands Water District
- Valley Water (SWP and CVP)
- Berrenda Mesa
- Temperance Flat
- Raising San Luis Reservoir
- MWD Integration
- Casitas via Cachuma through new pipeline



NEXT STEPS

Water Management Strategies Schedule



Next Steps



Stakeholder Feedback: Document Outline

Stakeholder Feedback: Rules/Capacity/SWP Capability Summary

Finalize Water Management Components

Evaluate Water Management Components

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