




The meeting teleconference will begin shortly

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PASSCODE: 3802020

Public comments, suggestions or questions regarding technical issues may be
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NOTICE REGARDING (COVID-19)

Before we begin, the record will reflect that pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 19, 2020, this meeting will be conducted by teleconference only.

Please note that all actions taken by the Board during today's meeting will be conducted by a roll call vote.



Call to Order

Regular Meeting of the Board of Directors
Tuesday, April 20, 2021

Pledge of Allegiance



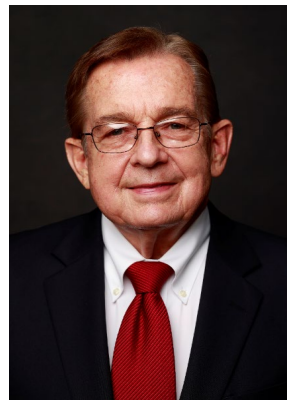
Roll Call



**Paul
Kielhold**
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



**Gil J.
Botello**
Director



**Susan
Longville**
Director



Public Comment

Any person may address the Board on matters within its jurisdiction.

** Please use the chat feature on the Zoom toolbar or digitally raise your hand to let the moderator know you would like to make a comment.*



Approval of Minutes (Pg. 4)

Regular Board Meeting – April 6, 2021

Board Motion & Roll Call Vote

Staff Recommendation

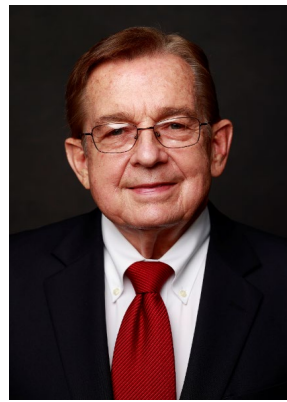
To approve the minutes of the April 6, 2021,
Regular Meeting of the Board of Directors as
presented.



**Paul
Kielhold**
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



**Gil J.
Botello**
Director



**Susan
Longville**
Director



Discussion Item 3.1 (Pg. 11)

Heather Dyer, MS, MBA – Chief Executive Officer/General Manager

Consider Resolution No. 1114 in Support of the District's
Community Project Funding Request to Congressman Aguilar

Staff Recommendation

Staff recommends the Board of Directors approve Resolution No. 1114 in Support of the District's Community Project Funding Request to Congressman Aguilar.

RESOLUTION NO. 1114

RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT SUPPORTING THE DISTRICT'S APPLICATION FOR COMMUNITY PROJECT FUNDING FOR THE SEVEN OAKS DAM FEASIBILITY STUDY

WHEREAS, the San Bernardino Valley Municipal Water District is a wholesale water provider and State Water Contractor in southwest San Bernardino County, Calif.; and

WHEREAS, the San Bernardino Valley Municipal Water District provides a supplemental water supply for 14 retail water providers throughout a 325 square mile service area, helping to meet the water needs of over 700,000 people; and

WHEREAS, of the over 700,000 people supported by the San Bernardino Valley Municipal Water District water supply, 34% of those are considered Disadvantaged Communities (DAC's); and

WHEREAS, the San Bernardino Valley Municipal Water District works to identify opportunities to enhance water resources within the region; and

WHEREAS, the Seven Oaks Dam provides an opportunity for the San Bernardino Valley Municipal Water District and other local agencies to take advantage of the existing facilities for the purposes of augmenting the local water supply, which could prove essential in times of drought; and

WHEREAS, the Seven Oaks Dam Feasibility Study would provide the San Bernardino Valley Municipal Water District with an opportunity to partner with the Army Corps of Engineers to assess the viability of the use of Seven Oaks Dam for the purpose of water conservation; and

WHEREAS, the San Bernardino Valley Municipal Water District has been working with the Army Corps of Engineers over the last 35 years to establish the feasibility of altering the operational purpose of the Seven Oaks Dam from single purpose – flood control – to multipurpose – to include water conservation; and

WHEREAS, the San Bernardino Valley Municipal Water District is applying for Community Project Funding for 50% of the estimated cost to complete a feasibility study to assess the viability of using the Seven Oaks Dam for water storage; and

NOW, THEREFORE, BE IT RESOLVED that the Governing Board of the San Bernardino Valley Municipal Water District does hereby support the District's application for Community Project Funding for the Seven Oaks Dam Feasibility Study.

Board Motion & Roll Call Vote

Staff Recommendation

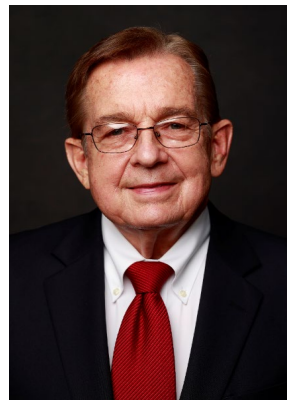
Staff recommends the Board of Directors approve Resolution No. 1114 in Support of the District's Community Project Funding Request to Congressman Aguilar.



**Paul
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Longville**
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Discussion Item 3.2 (Pg. 15)

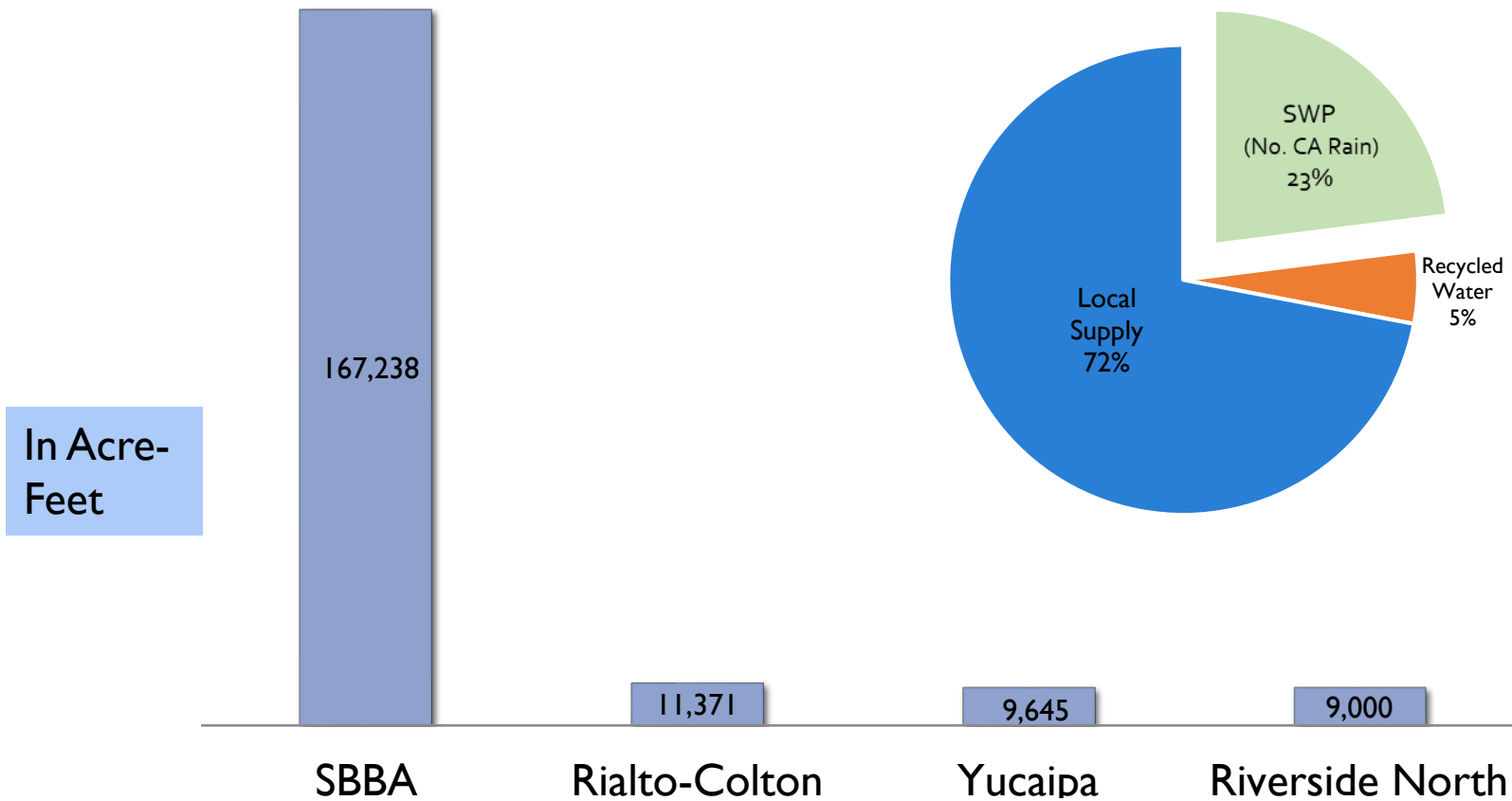
Adekunle Ojo, MPA – Manager of Water Resources

Consider Purchase of Water Available through the 2021 Yuba Accord Dry Year Water Purchase Program

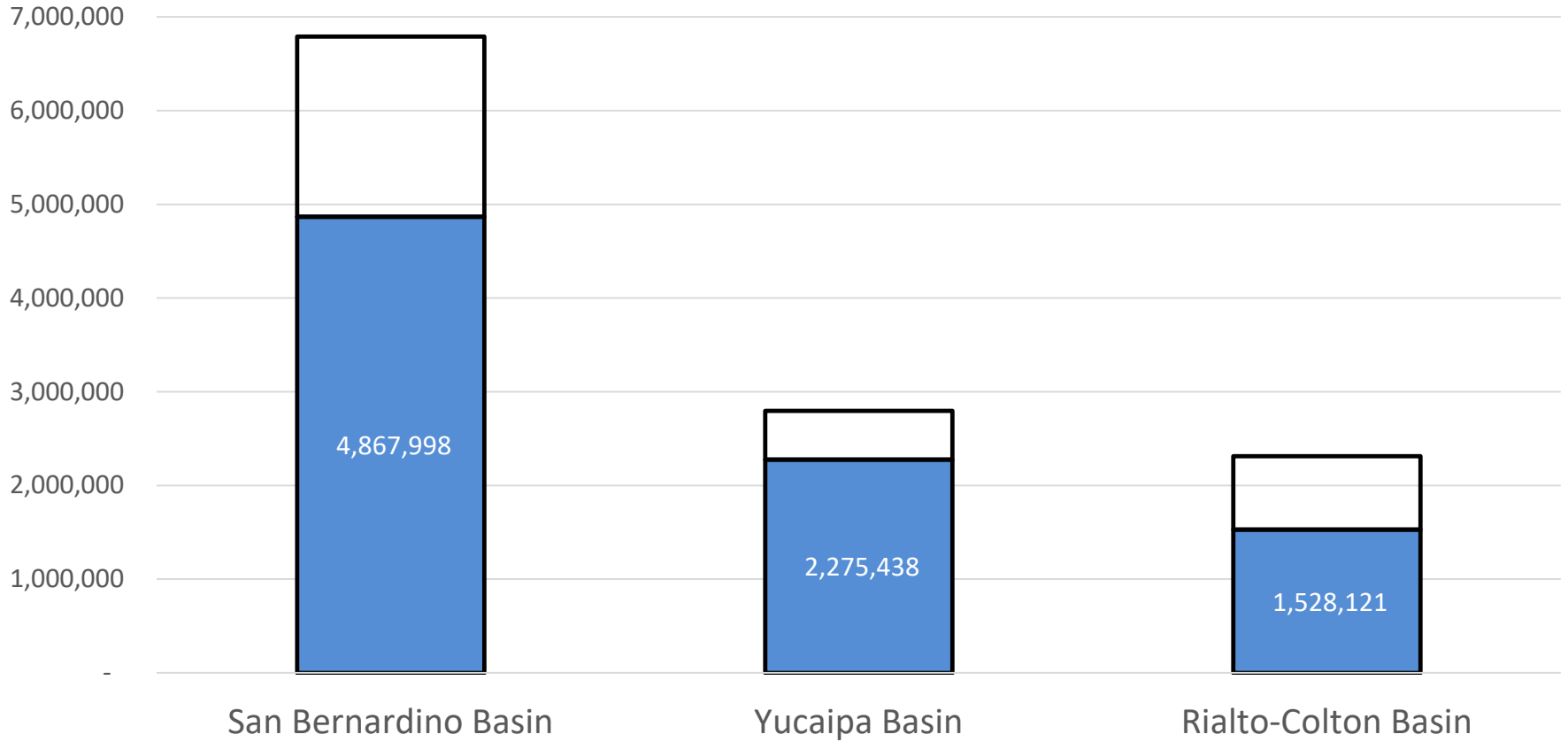
Staff Recommendation

Authorize staff to notify the California Department of Water Resources that Valley District would purchase up to 10,000 acre-feet of water through this program.

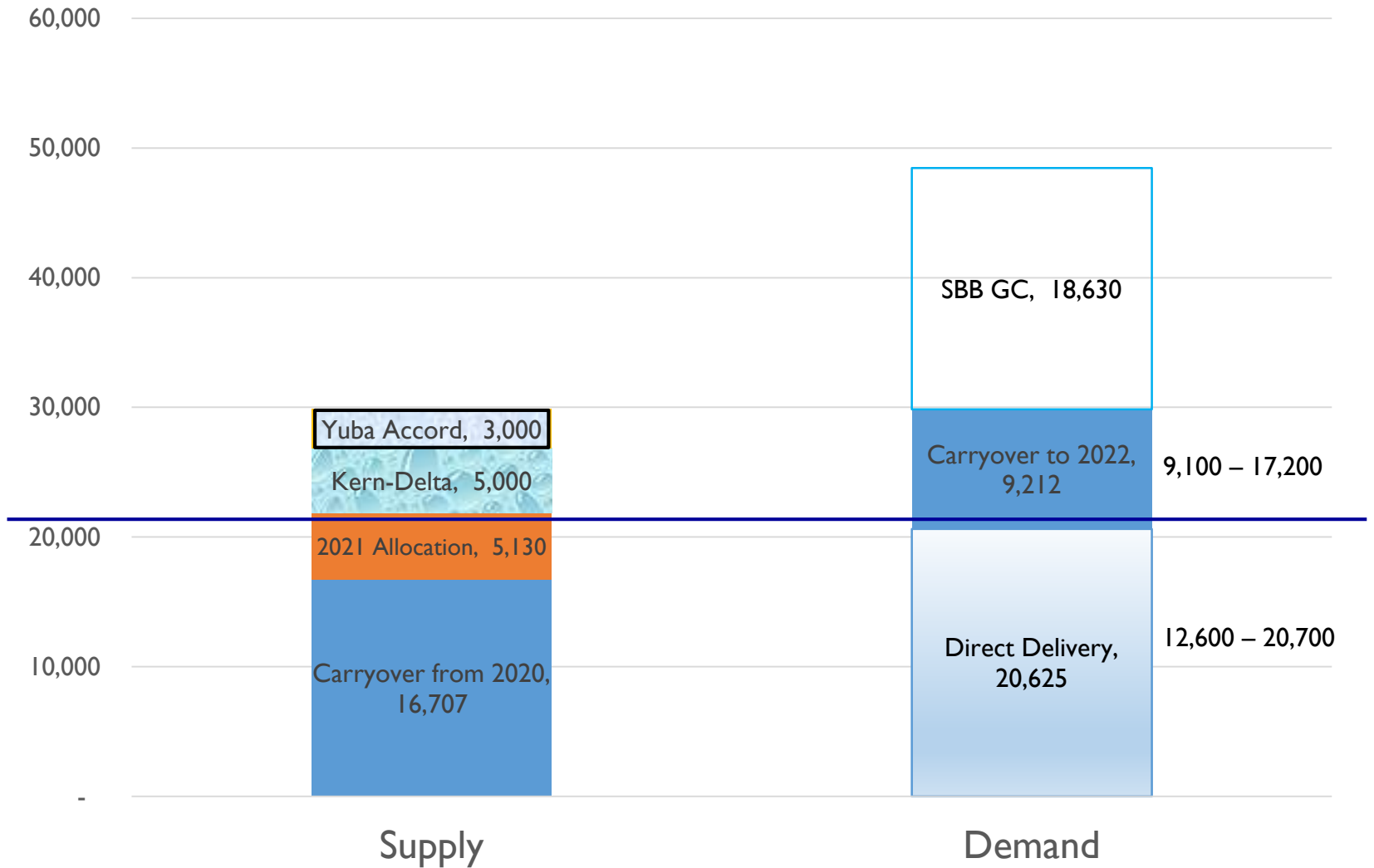
Our Water Supply – Largely Local



The Equalizer: Stored Groundwater



2021 SWP Supply and Demand



Yuba Accord Dry Year Water Transfer Program

Valley District has an existing agreement with DWR to purchase additional water under the Lower Yuba River Accord (Yuba Accord)

Agreement provides for four different types (“components or C”) of water; prices pre-negotiated except for C4, which is based on market conditions

- Components 1, 2, and 3 water during dry conditions (2021 is a critical year) – 72,000 AF for SWP
- Component 4 water when YVA has excess water (no C4 water at this time)

Available supplies are allocated based on participants’ Table A amounts

- Valley District’s 2021 initial allocation is 1,834 AF

In 2020, Valley District purchased 4,600 AF (\$336/AF) under the program; it requested 10,000 AF

- 3,220 AF (\$480/AF) received due to carriage loss



2021 Preliminary Illustration of Yuba Accord Water Availability for Participating Contractors

Sac Valley 40-30-30 Water Year Type Bull. 120:	Critical	Acre-Feet	Cost, \$/AF	Special water pricing in effect due to consecutive dry or critical years
C1 Water Availability	Preliminary	60,000	\$447.00	
C2 Water Availability	Preliminary	30,000	\$358.00	
C3 Water Availability	Preliminary	54,000	\$447.00	
C4 Water Availability	Preliminary	TBD	TBD	
Total Water Available	Preliminary	144,000		

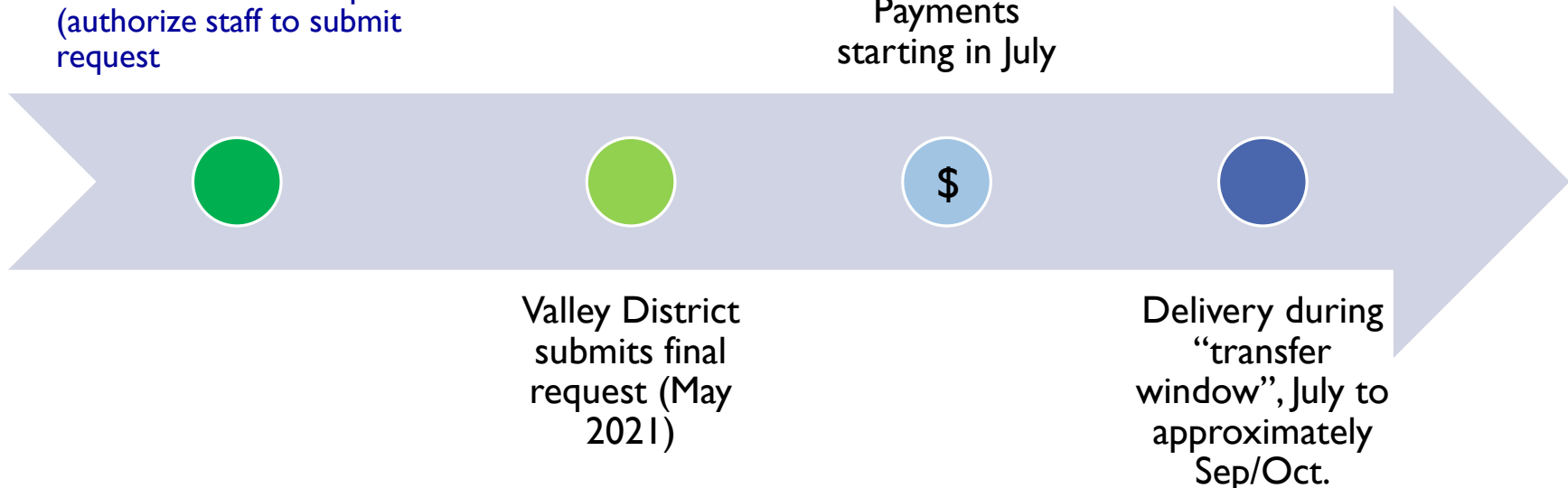
Participating SWP Contractor	Relative First Rights to Water		C1 Water Acre-feet	C2 Water Acre-feet	C3 Water Acre-feet	C4 Water Acre-feet	Subtotal Acre-feet
	Participant Table A Acre-feet	Percentage Share					
Metropolitan WDSC	1,911,500	23.73%	14,242	7,119	12,817	-	34,178
Kern County WA	982,730	12.20%	7,321	3,661	6,589	-	17,571
Alameda County FC&WCD, Zone 7	80,619	1.00%	601	300	541	-	1,442
Antelope Valley-East Kern WA	144,844	1.80%	1,079	540	971	-	2,590
Santa Clarita Valley WA (formerly Castaic Lake WA)	95,200	1.18%	709	355	638	-	1,702
City of Yuba City	9,600	0.12%	72	36	64	-	172
Coachella Valley WD	138,350	1.72%	1,031	515	928	-	2,474
County of Kings	9,305	0.12%	69	35	62	-	166
Crestline-Lake Arrowhead WA	5,800	0.07%	43	22	39	-	104
Desert WA	55,750	0.69%	415	208	374	-	997
Dudley Ridge WD	41,350	0.51%	308	154	277	-	739
Empire West Side ID	3,000	0.04%	22	11	20	-	53
Littlerock Creek ID	2,300	0.03%	17	9	15	-	41
Napa County FC&WCD	29,025	0.36%	216	108	195	-	519
Oak Flat WD	5,700	0.07%	42	21	38	-	101
Palmdale WD	21,300	0.26%	159	79	143	-	381
San Bernardino Valley MWD	102,600	1.27%	764	382	688	-	1,834
San Geronio Pass WA	17,300	0.21%	129	64	116	-	309
Santa Clara Valley WD	100,000	1.24%	745	373	671	-	1,789
Solano County WA	47,756	0.59%	356	178	320	-	854
Tulare Lake Basin WSD	87,471	1.09%	652	326	587	-	1,565
Santa Barbara County FC&WCD	45,486	0.56%	339	169	305	-	813
Mojave WA	89,800	1.12%	669	335	602	-	1,606
SWP Contractor Totals	4,026,786	50.00%	30,000	15,000	27,000	-	72,000
Participating Non-SWP Contractor							
San Luis & Delta-Mendota Water Authority		50.00%	30,000	15,000	27,000	-	72,000
Grand Totals		100.00%	60,000	30,000	54,000	-	144,000

Next Steps

DWR issues Notice of Availability Under Yuba Accord and Valley District submits initial request (April 2021)

- Initial Request Form due to DWR no later than April 23 (authorize staff to submit request)

Payments
starting in July



Board Motion & Roll Call Vote

Staff Recommendation

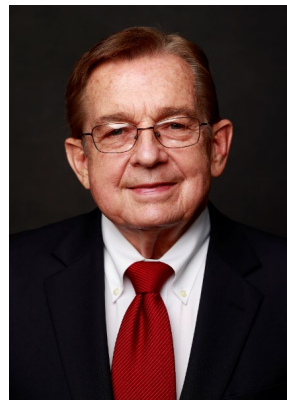
Authorize staff to notify the California Department of Water Resources that Valley District would purchase up to 10,000 acre-feet of water through this program.



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President



June Hayes
Vice President



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Harrison**
Treasurer



**Gil J.
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**Susan
Longville**
Director

- *Funding for the purchase is available within the State Water Contract Budget*
- *Purchase will help meet direct delivery and provide a sizable carryover water to 2022 just in case next year is also dry*



Discussion Item 3.3 (Pg. 25)

Adekunle Ojo, MPA – Manager of Water Resources

Heather Dyer, MS, MBA – Chief Executive Officer/General Manager

Consider the Request for Proposals - Development of a Valley District Climate Adaptation and Resilience Plan (CARP)

Staff Recommendation

Review the RFP and provide feedback.

Climate Adaptation and Resilience Plan

Climate:

Long-term pattern of oceanic and atmospheric conditions at a location; weather variability over a long period of time, usually 30 years or more (*National Oceanic and Atmospheric Administration*)

- Weather can change quickly and over short distances; climate, on the other hand, changes more slowly and doesn't vary much over short distances, except in the mountains



Image from <https://climate.nasa.gov/effects>
Photo Credit: VladisChern/Shutterstock.com

Good planning is a way to adapt and manage climate risk and uncertainties

Part of Valley District's mission is to be adaptable and resilient to extreme weather and climate uncertainties, whether it is to reduce snowpack in headwaters to crippling floods, more intense wildfires, and longer droughts



Image from <https://climate.nasa.gov/effects/> Photos Bottom Left - Mellimage/Shutterstock.com, center - Montree Hanlue/Shutterstock.com

Key Definitions

Adaptation:

Adjustment in natural or human systems to a new or changing environment that exploits beneficial opportunities or moderates negative effects

Mitigation:

Measures to reduce the impact of multi-hazard threats resulting from climate risk and uncertainties

Resilience:

The capability to anticipate, prepare for, respond to, and recover from significant multi-hazard threats with minimum damage to life, property, the economy, and the environment

Vulnerability Assessment:

Evaluates potential exposure and impacts to the District due to climate hazards such as extreme heat and wildfire, intense floods, and reduced snowpack

Purpose of a CARP

1) To ensure that the District is resilient to future climate change uncertainties.

- The District will analyze risks, identify systemic vulnerabilities, and develop mitigating strategies to best position our resources for response to future unknown and adverse conditions.
 - Water supply portfolio
 - Infrastructure
 - Habitat
 - Facilities

2) To ensure the District is engaged as a civic leader and “*pragmatic partner*” on the threat of climate change and the potential impacts to our community.

- The District will analyze our current contribution to the climate change problem (i.e. increased greenhouse gases and atmospheric heat) and become part of the solution by establishing a target for future reduced emissions and an actionable plan to achieve the target by a set date.
- The District will develop strategies to implement climate-resilient initiatives in a fair and equitable manner throughout our entire service area and community.

3) To strategically position the District to be highly competitive for funding opportunities related to climate-resilient planning and infrastructure.

Related Documents

Planning and taking actions to address today's climate and future climate uncertainties

Estimating Future Water Demand for San Bernardino Valley Municipal Water District

Michelle E. Miro, David G. Groves, David Catt, Benjamin M. Miller

RAND Social and Economic Well-Being

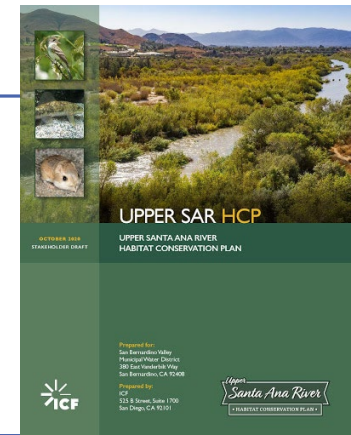
WR-1288-SBVMWD
December 2018
Prepared for San Bernardino Valley Municipal Water District

RAND working papers are intended to share researchers' latest findings and to solicit informal peer review. They have been approved for circulation by RAND Social and Economic Well-Being but have not been formally edited or peer reviewed. Unless otherwise indicated, working papers can be quoted and cited without permission of the author, provided the source is clearly referred to as a working paper. RAND publications do not necessarily reflect the opinions of its research clients and sponsors. RAND® is a registered trademark.



Build on existing efforts

- 2020 Integrated Regional Urban Water Management Plan (IRUWMP)
- RAND Demand and Supply Studies
- Regional Recycled Water Concept Study Report
- Upper Santa Ana River Habitat Conservation Plan
- Local Hazard Mitigation Plan
- Santa Ana River Water Rights/Seven Oaks Dam
- Active Recharge Project Report
- Enhanced Recharge Project Report
- Headwater Resilience Partnership
- White Paper on District Energy Portfolio, etc.



Climate Resilience Plan- Draft Outline

Chapter 1: Introduction

Chapter 2: Baseline Assessment

Chapter 3: Water Supply Resilience

Chapter 4: Energy Resilience and GHG Emission Reductions

Chapter 5: Ecosystem and Headwater Forest Resilience

Chapter 6: Infrastructural Resilience and Emergency Preparedness

Chapter 7: Plan Implementation and Monitoring

Next Steps

Initiation Phase: March – early April

- **March 29** – Climate Resilience Standing Committee Meeting
- **April 8** – Policy Workshop
- **April 15- 20** – Board Review RFP

RFP Phase: Mid-April to mid-June

- **April 21** – Request for Proposal (RFP) is released; due date – One (1) month
- **Week of May 24** – RFP Review and Consultant Selection
- **Jun. 3** – Selected consultant proposed at the Resources Workshop
- **Jun. 15** – Contract awarded at the regular Board meeting

Project Phase: Late June – December

- Week of June 28** – Project kick-off
- Phase I**
- Task I-A:** Literature Review & Plan Integration
 - Task I-B:** Baseline Assessment
 - Task I-C:** Visioning & Goal Setting
- Phase II**
- Task I-D:** Stakeholder Engagement
 - Task 2:** Develop climate adaptation and mitigation strategies
- Phase III**
- Task 3:** Prepare the Plan

Board Motion & Roll Call Vote

Staff Recommendation

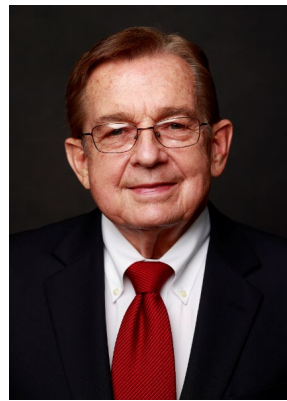
Review the RFP and provide feedback.



**Paul
Kielhold**
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



**Gil J.
Botello**
Director



**Susan
Longville**
Director

Discussion Item 3.4 (Pg. 40)

Wen B. Huang, PE, MS – Chief Engineer/Deputy General Manager

Consider Second Amendment to the Reimbursement Agreement with East Valley Water District for Design of the Regional Recycled Water Facilities

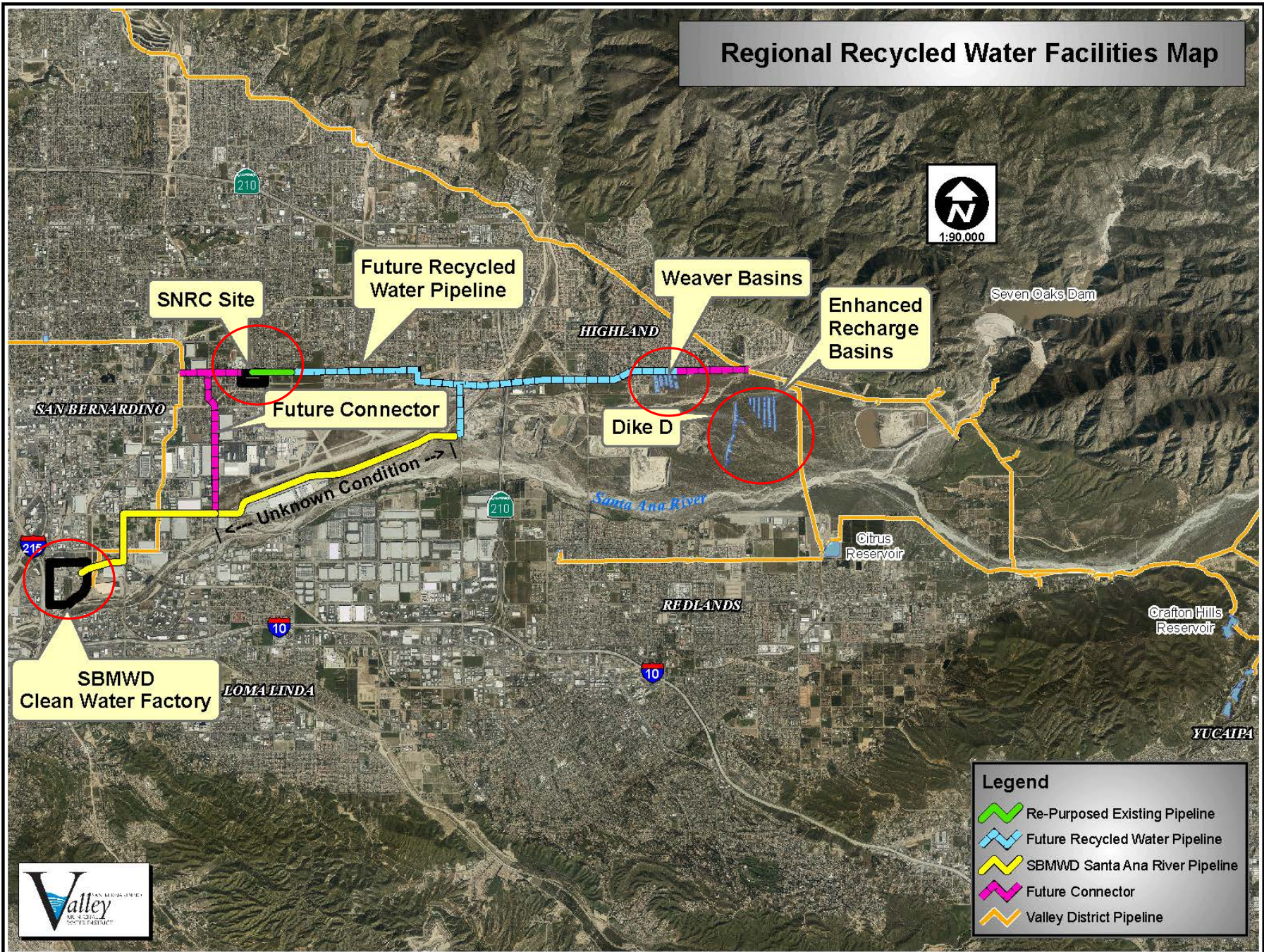
Staff Recommendation

Approve the Second Amendment to the Reimbursement Agreement with EVWD for design of the Regional Recycled Water Facilities and authorize the CEO/General Manager to execute the Amendment.

Background

1. Regional Recycled Water Concept Study in 2016:
 - Further development of SNRC and CWF
 - Valley District to develop Regional Recycled Water Infrastructure
2. Valley District roles:
 - Historically responsible for regional infrastructure for local and imported water
 - Continue its leadership role in managing regional water resource through development of regional recycled water facilities to support recycled water projects
 - Provide incentives through Local Resources Investment Program (LRIP)
 - Participate collaboratively in the Regional Recycled Water Ad-Hoc Committee with EVWD and SBMWD
3. Previous Arrangements:
 - Entered into two reimbursement agreements with EVWD for design and construction of Regional Recycled Water Pipeline from SNRC to Redlands Basins

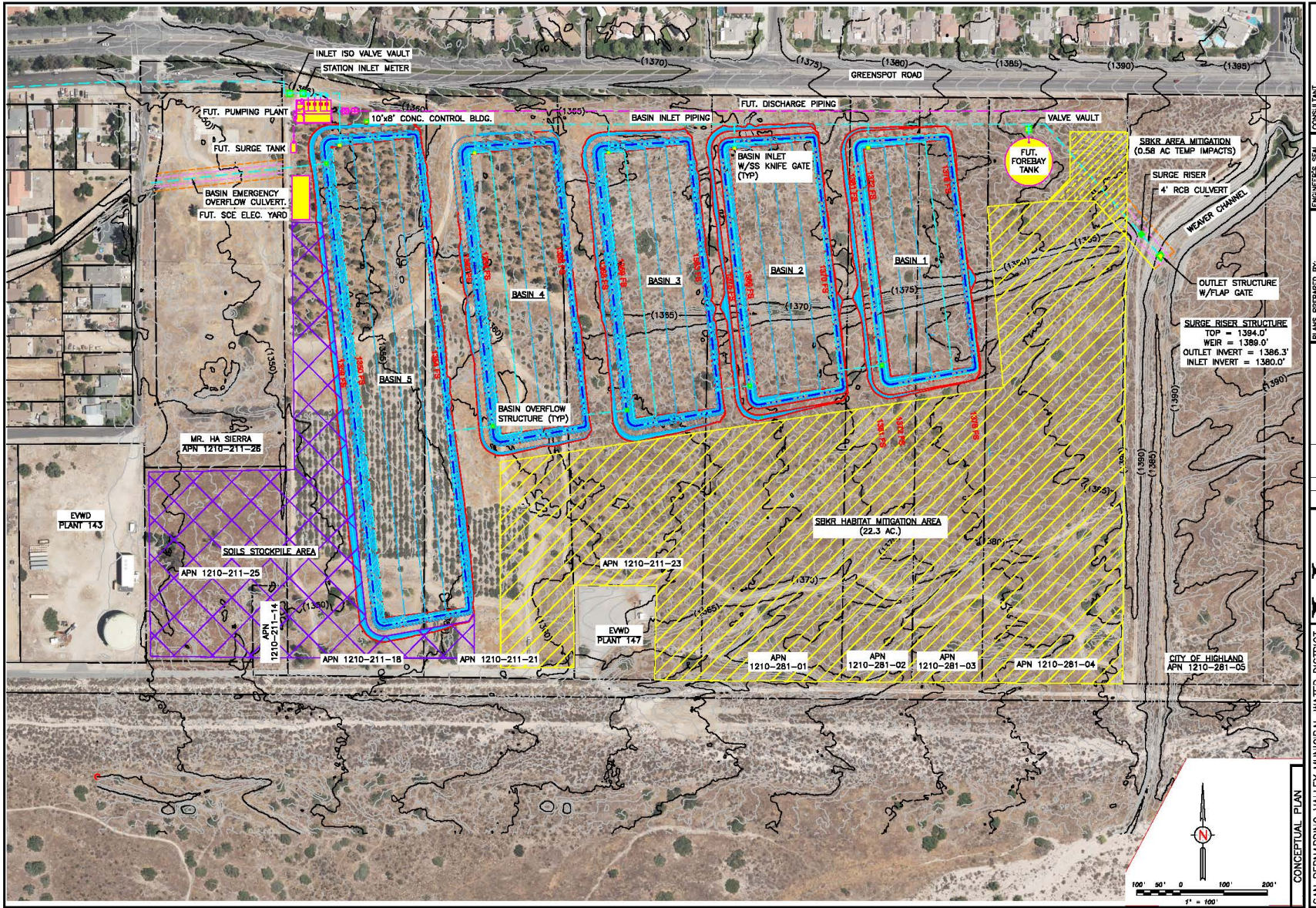
Regional Recycled Water Facilities Map



Legend

- Re-Purposed Existing Pipeline
- Future Recycled Water Pipeline
- SBMWD Santa Ana River Pipeline
- Future Connector
- Valley District Pipeline





PLANS PREPARED BY:	DATE:
PROJECT DRAWN BY:	DATE:
APPROVED BY:	DATE:
SCALE:	SECTION:

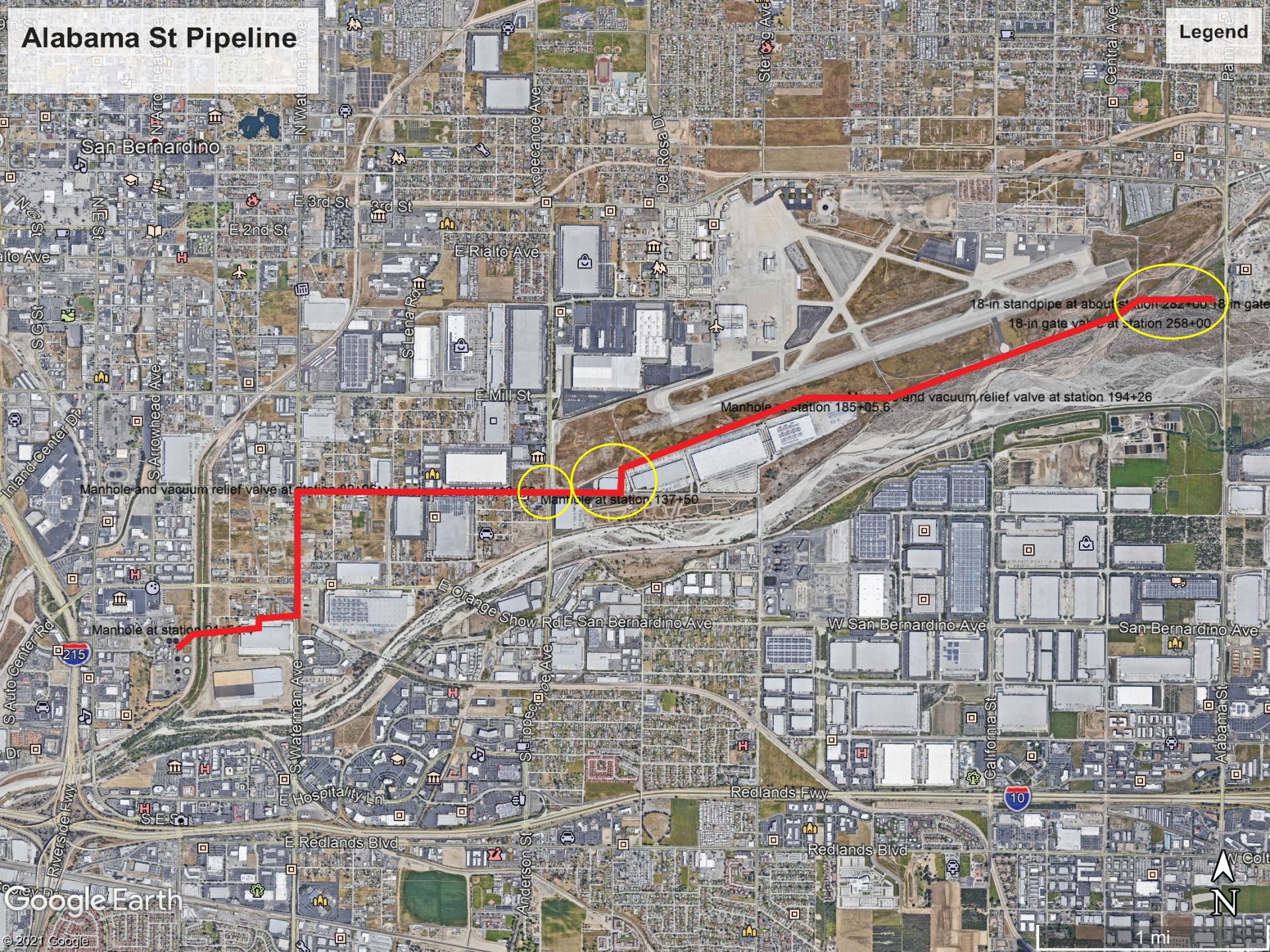


DATE:	12.24.20
PROJECT:	SRKR EFFLUENT BASINS PROJECT
SCALE:	A/1/NS
DATE:	1800

CONCEPTUAL PLAN
 SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
 SRKR EFFLUENT BASINS PROJECT
 WEAVER BASINS
 ORIGINAL SIZE: 22'x34'

Alabama St Pipeline

Legend



Summary of Scope

1. Design of Modified RRWP:

- Reroute from Redlands Basins to Weaver Basins
- Following Greenspot Road Corridor
- T&M fees of \$472,971 including Design and Geotechnical Investigation

2. Design of Weaver Basins:

- A series of 5 recharge basins based on the conceptual design layout
- Slide gates, overflow structures, and SCADA, etc.
- T&M fees of \$524,009 including Design and Geotechnical Investigation
- Abandonment of a nonfunctional well for \$83,000, which will be reimbursed by the Seller of the Property through Escrow

3. Preliminary Condition Assessment for Alabama St. Pipeline:

- Investigating and testing sections of the pipeline
- Recommending alternatives for possible rehabilitation and reconstruction
- T&M fees of \$279,728

Project Benefits

1. Facilitate Delivery and Recharge of Recycled Water

- Up to a total of 16,600 AFY including SNRC 11,000 AFY and CWF 5,600 AFY
- Drought-proof new water supplies to augment local rainfall and imported water
- New water supplies for up to 33,000 households annually

2. Valley District's own Basins for recharge of SWP and stormwater

- With future expansion of the RRWP to Foothill Pipeline, these basins may be used for
 - SWP Recharge
 - Stormwater Recharge

Board Motion & Roll Call Vote

Staff Recommendation

Approve the Second Amendment to the Reimbursement Agreement with EVWD for design of the Regional Recycled Water Facilities and authorize the CEO/General Manager to execute the Amendment.



**Paul
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June Hayes
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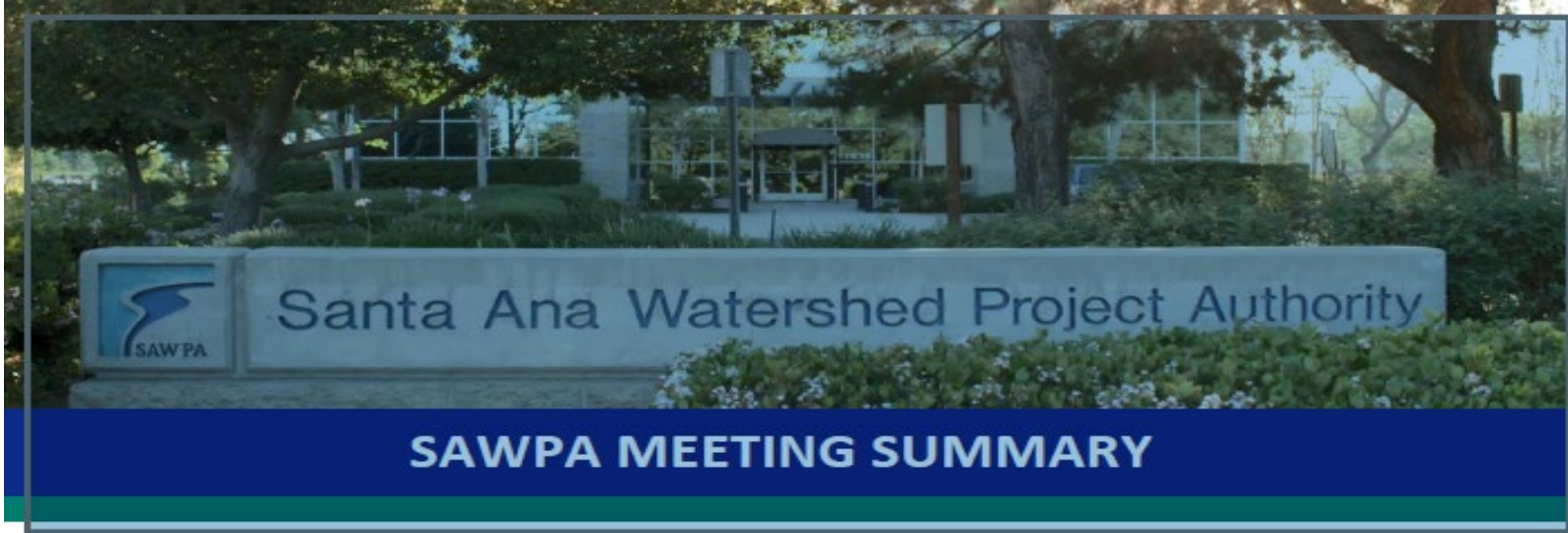


**Susan
Longville**
Director



Reports Item 4.1

SAWPA Meeting Report



April 20, 2021, Regular Meeting

SAWPA Commission

- Reviewed and discussed the draft FYE 2022 and 2023 Budget; deferred consideration of adoption.
- Authorized staff to sign onto an Integrated Regional Water Management (IRWM) 2022 Resources Bond Support Letter with other interested utilities across the state for the purpose of sending to pertinent legislators to indicate funding support for IRWM in all future 2022 resource bonds; and advised staff to update language to include specific goals and requests.
- Received the following informational reports:
 - Santa Ana River Mitigation Bank Overview
 - General Manager Report 100-Day Plan Update

Reports Item 4.2

Director's Primary Representative and Activity Report



**Paul
Kielhold**
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



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**Susan
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Director

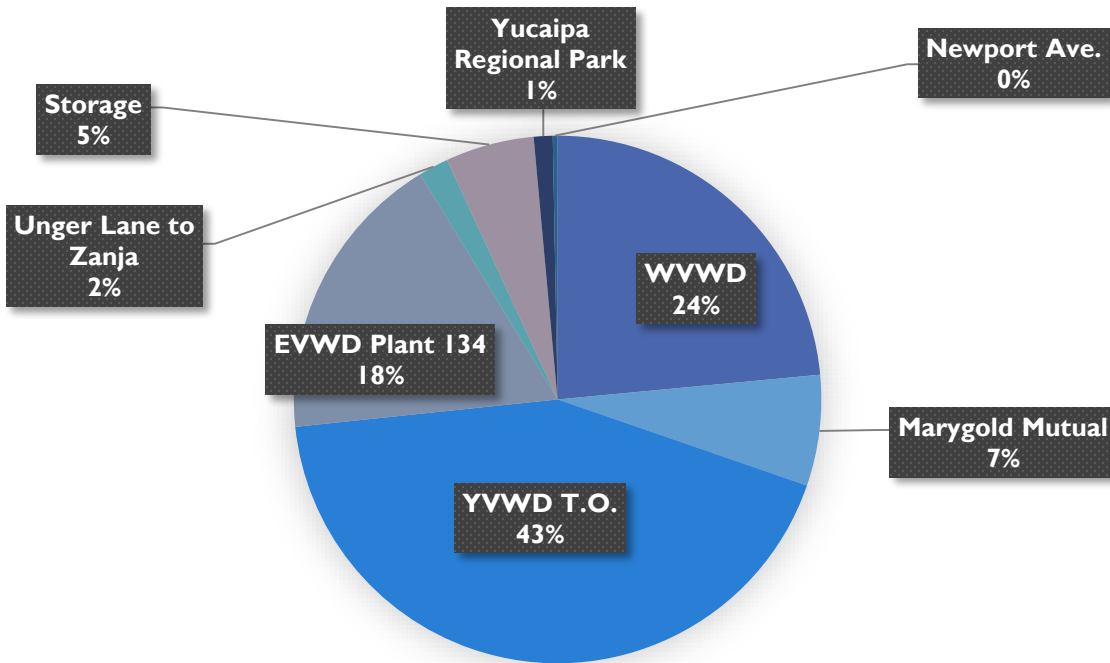


Reports Item 4.3 (Pg. 83)

Operations Report – March 2021

Operations Report – March 2021

Direct Deliveries - March



<u>Direct Delivery Turnouts</u>	<u>Amount (in AF)</u>
WVWD	264.4
Marygold Mutual	76.4
YVWD T.O.	484.3
EVWD Plant 134	201.8
Unger Lane to Zanja	20.7
Yucaipa Regional Park	13.0
Newport Ave.	3.3
Storage	61.1
Total =	1,125.0



Reports Item 4.4 (Pg. 89)

Treasurer's Report – March 2021



**SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
TREASURER'S REPORT
FOR THE MONTH OF MARCH 2021**

RECOMMENDATION:
APPROVE THE EXPENSES FOR THE MONTH OF MARCH 2021
FOR THE FOLLOWING FUNDS:

STATE WATER CONTRACT FUND	\$	9,631,323.69
DEVIL CANYON / CASTAIC FUND	\$	104,812.00
GENERAL FUND	\$	2,563,058.42

APPROVED:

TREASURER

DATE

Board Motion & Roll Call Vote

Staff Recommendation

Staff recommends the Board approve the expenses for the month of March 2021.



**Paul
Kielhold**
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



**Gil J.
Botello**
Director



**Susan
Longville**
Director

Reports Item 4.5 (Pg. 102)

Directors' Fees and Expenses for March 2021



Announcements Item 5.1 (Pg. 109)

April 20, 2021, 9:30 a.m. – SAWPA Commission Meeting

April 20, 2021, 2 p.m. – Regular Board Meeting by Teleconference

April 28, 2021, 1:30 p.m. – San Bernardino Valley Water Conservation District Board Meeting

May 4, 2021, 9:30 a.m. – SAWPA Commission Meeting

May 4, 2021, 10:00 a.m. – SAWPA PA 24 Meeting

May 4, 2021, 2 p.m. – Regular Board Meeting by Teleconference

May 6, 2021, 2 p.m. – Board Workshop – Resources by Teleconference

May 10, 2021, 2 p.m. – Special Workshop – Wages, Benefits and Insurance Committee Workshop by Teleconference

May 11, 2021, 8:30 a.m. – SAWPA PA 22 Meeting

May 11, 2021, 2 p.m. – Board Workshop – Engineering by Teleconference

May 12, 2021, 1:30 p.m. – San Bernardino Valley Water Conservation District Board Meeting

May 13, 2021, 2 p.m. – Board Workshop – Policy by Teleconference

May 18, 2021, 9:30 a.m. – SAWPA Commission Meeting

May 18, 2021, 2 p.m. – Regular Board Meeting by Teleconference

May 31, 2021 – District Closed for Memorial Day

Closed Session

6.1 Closed Session -Conference with Legal Counsel - Existing Litigation - Pursuant to Government Code Section 54956.9 - Complaint Against Nestle Waters North America, Unauthorized Diversions from Strawberry Creek, San Bernardino County (Before the State Water Resources Control Board)

6.2 Conference with Real Property Negotiators - Pursuant to Government Code Section 54956.8 - Property APNs 0280-172-20, 0280-172-04, and 0280-063-10

Agency negotiator: Heather Dyer

Negotiating parties: Mohammed Ali

6.3 Conference with Real Property Negotiators - Pursuant to Government Code Section 54956.8

- Property APN 1210-211-25

Agency negotiator: Heather Dyer and Wen Huang

Negotiating party: John Mura, East Valley Water District

Under negotiation: Price and terms of payment



Adjournment
