The meeting teleconference will begin shortly

Listen to the meeting by using your computer or tablet speakers or by calling (877) 853 5247 using meeting ID 979 215 700

View the live meeting presentation at https://sbvmwd.zoom.us/j/979215700
PASSCODE: 3802020

Public comments, suggestions or questions regarding technical issues may be emailed to comments@sbvmwd.com

Please use the chat feature in the Zoom toolbar to let the moderator know that you would like to make a comment during the meeting or use the digital "raise hand" ✋ function in Zoom.

Please mute your microphone during the meeting to reduce background noise. Click on the microphone icon to unmute your microphone if needed.

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.

Call to Order

Board of Directors Workshop - Resources
Thursday, April 1, 2021

Chairperson – Director Hayes
Vice-Chair – Director Harrison

Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.

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.*

Summary of Previous Meeting (Pg. 3)

Board of Directors Workshop – Resources – March 4, 2021

Discussion Item 4.1 (Pg. 9)

Matthew E. Howard, MS – Water Resources Senior Project Manager

2020 Integrated Regional Urban Water Management Plan (IRUWMP) Status Update

Staff Recommendation
Receive and file

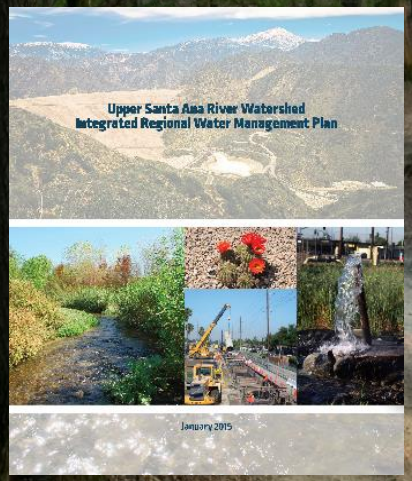
Update on the 2020 Integrated Regional Urban Water Management Plan (IRUWMP)

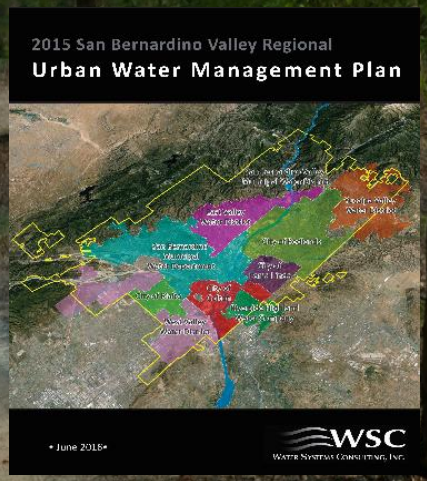
RESOURCES WORKSHOP

APRIL 1ST , 2021

Blazing a New Trail

Transforming Water Planning





Combining the 2020 Updates of the Integrated Regional Water Management Plan and the Regional Urban Water Management Plan

Meeting Key Challenges

- First IRUWMP document in the State
- 7-month schedule
- Multiple participants, complex information and data management

IRUWMP Progress to Date

Kick off Workshop
- Overview of Workplan and Project Schedule
- Desired Outcomes Activity
- Proposed Plan Structure

Workshop # 2
- Updated Workplan
- Regional Goals and Objectives Activity

Workshop # 3
- Overview of the RAND Study
- Population Trends and Projections
- Demands Trends and Projection Methodology

Workshop # 4
- Review Stakeholder Feedback on Draft 2020 Regional Goals and Objectives
- Review the Project Criteria, Scoring and Approval Process
- Initiate Call for Projects for 2020 IRUWMP

Workshop # 5
- Update and Incorporation on the RAND Supply and Demand Analysis
- Review the draft Preliminary Regional Water Budget

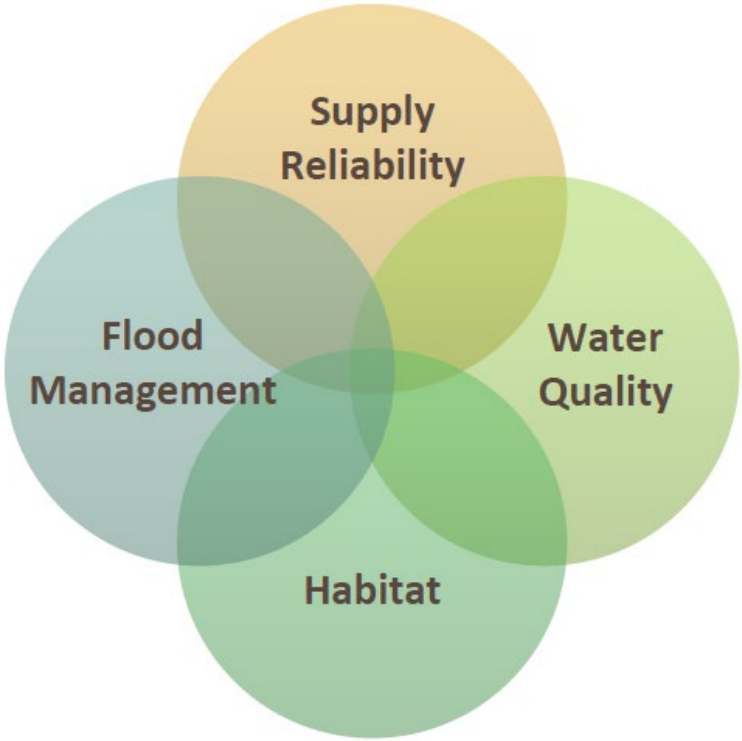
Workshop # 1 – Kick off Meeting

This activity included WSC posting three (3) project questions using a digital Whiteboard and having the stakeholders provide answers. Below are the (3) three questions and some of the responses:

1. What are your expectations for this plan development process?
2. How will you measure success?
3. How do you envision using the IRUWMP document and tools in the future?

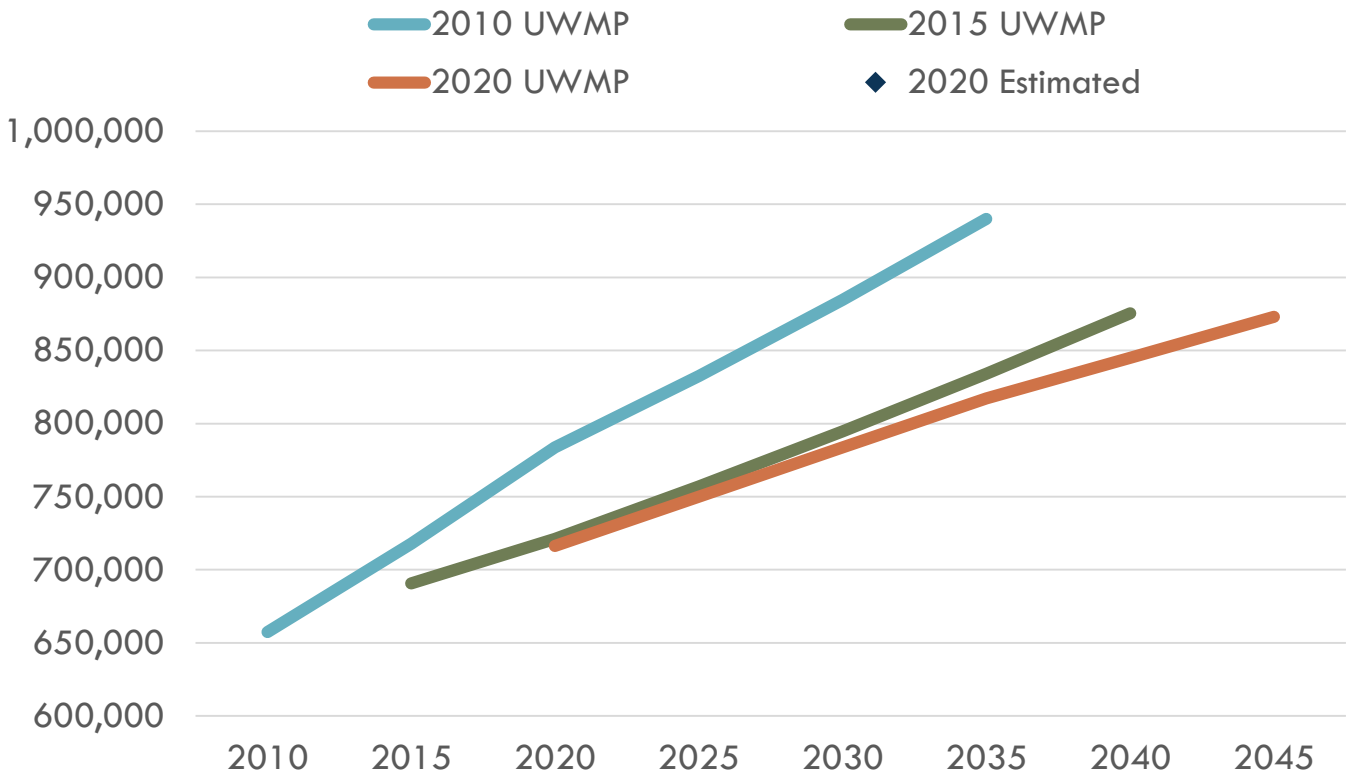
Workshop # 2 – Needs and Demand Forecasting

- 2015 Goals & Objectives Report Cards
  - 5-year look back on 2015 Goal and Objectives
  - Preliminary Progress Assessment
  - Draft progress updates of each goal shared before workshop
- Discussed each Goal and Objective from the 2015 IRWMP
- WSC is preparing simple Report Cards for each of the 2015 Goals and Objectives



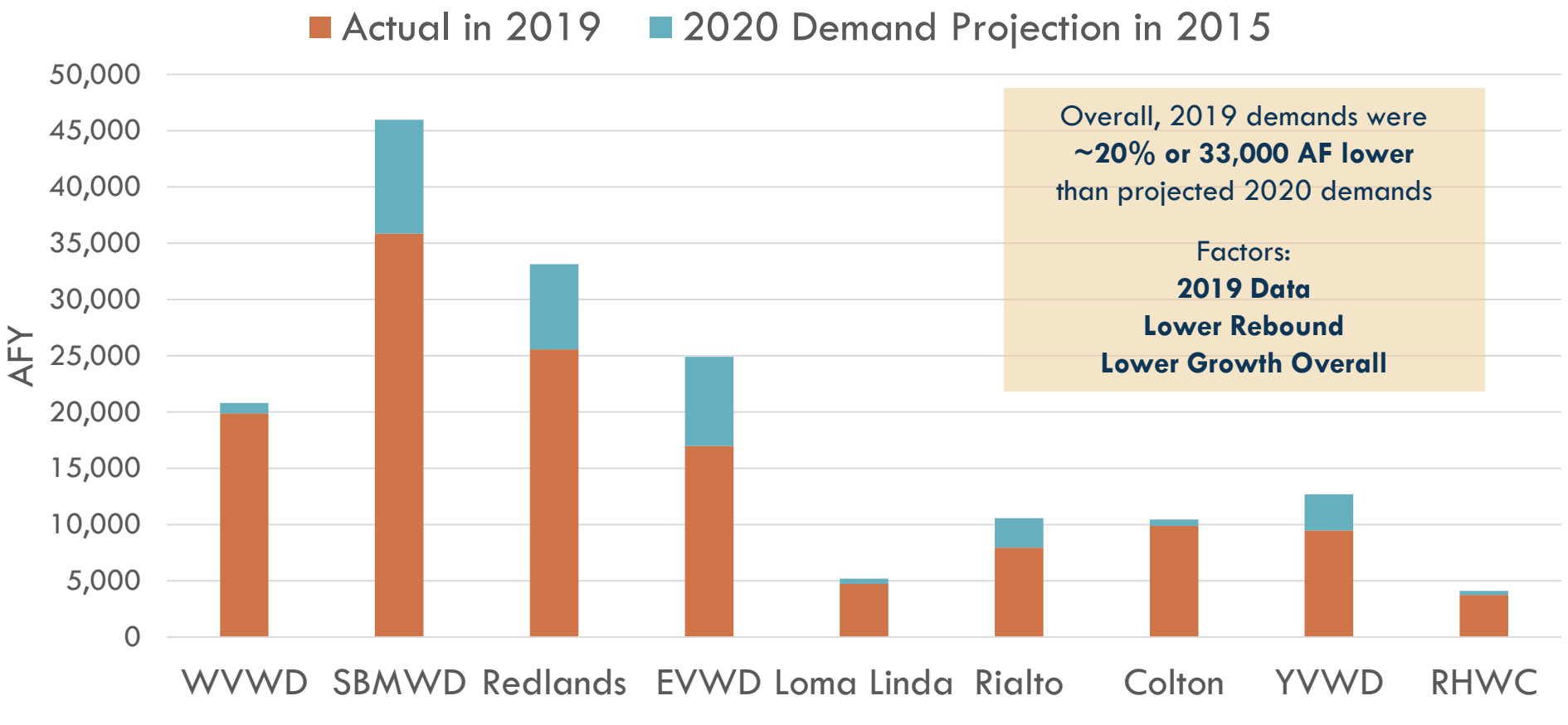
Workshop # 3 – Population and Demand Forecasting

Preliminary Population Projections in Valley District Service Area



- 2020 Population
  - DWR Tool
  - 2020 Census
- Future Projections
  - SCAG adopted Connect SoCal in September 2020
  - Projections through 2045
  - Incorporates future land use and planning agency coordination

Workshop # 3 – Population and Demand Forecasting



Workshop # 4 – Goals & Objectives, Projects, and Plan Implementation

Goals and Objectives Activity

Interactive whiteboard exercise with breakout rooms to facilitate Goal and Objective discussions between the IRUWMP participates

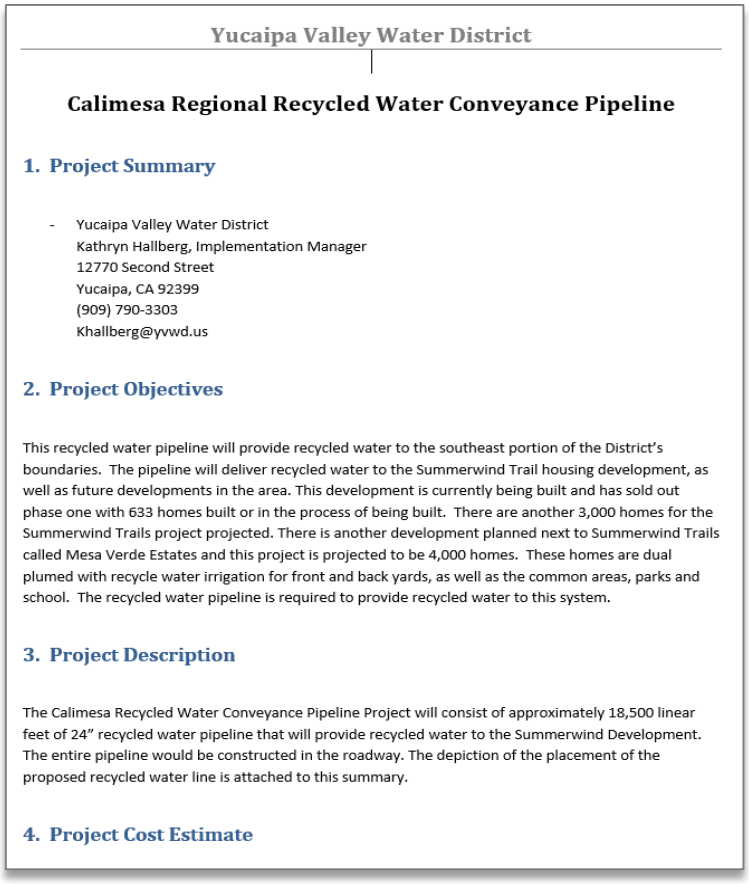
Call for Projects

3/18: Consultant team to email Project Information Form to project sponsors

3/18-4/8: Project Sponsors to fill out form with project information for new projects

April 8th: Deadline for Project Sponsors to submit new/updated projects

April 8th – April 25: Consultant team to score projects and provide a summary table to the Project Review Subcommittee/BTAC



Yucaipa Valley Water District

Calimesa Regional Recycled Water Conveyance Pipeline

1. Project Summary

- Yucaipa Valley Water District
  Kathryn Hallberg, Implementation Manager
  12770 Second Street
  Yucaipa, CA 92399
  (909) 790-3303
  Khallberg@yvwd.us

2. Project Objectives

This recycled water pipeline will provide recycled water to the southeast portion of the District's boundaries. The pipeline will deliver recycled water to the Summerwind Trail housing development, as well as future developments in the area. This development is currently being built and has sold out phase one with 633 homes built or in the process of being built. There are another 3,000 homes for the Summerwind Trails project projected. There is another development planned next to Summerwind Trails called Mesa Verde Estates and this project is projected to be 4,000 homes. These homes are dual plumed with recycle water irrigation for front and back yards, as well as the common areas, parks and school. The recycled water pipeline is required to provide recycled water to this system.

3. Project Description

The Calimesa Recycled Water Conveyance Pipeline Project will consist of approximately 18,500 linear feet of 24" recycled water pipeline that will provide recycled water to the Summerwind Development. The entire pipeline would be constructed in the roadway. The depiction of the placement of the proposed recycled water line is attached to this summary.

4. Project Cost Estimate

Workshop # 4 – Goals & Objectives, Projects, and Plan Implementation

Valley San Bernardino Municipal Water District

GOAL #5

Address climate change through adaptation and mitigation

How will we know we've achieved this goal?	Adapt to climate change impacts to water resources	Reduce/offset energy consumption and GHG emissions associated with water facilities	Meeting state level climate change objectives, as well as objectives from local Climate Action Plans.	Successful implementation of local and regional projects for adaptation / mitigation	Continue to improve local, regional and statewide understanding of climate change impacts
How do we measure success?	Diverse, robust portfolio of imported and local supplies to be resilient to climate change impacts Increased production and use of recylced water - producing a valuable resource with nominal increase in energy demand. Manage changes in water supply variability, both local and imported. Success Measure: Long-term reliability of supply - ability to maintain level of service even with reductions in imported and local supplies Quanitify the number and size of multi-benefit flood/recharge projects. Water supply adaptation, and flood protection adaptation	If agencies meet urban water use objectives to prove effective demand managment. Both a water supply and energy issue (both adaptation and mitigation) Measurable reduction in energy intensity of water supplies (e.g. KWh/AF) Helpful to measure changes in demand over time, both average and seasonal X MW of renewable energy generation capacity installed X MWh of energy storage installed Energy management in water distribution and wastewater collection systems. (e.g. storing water for use in high electicity demand periods, pumping off-peak)	Threat of wildfire and flooding impacts on water quality. - Protection of supplies -Emergency aid agreements -Ability to bounce back, evaluate performance, share resources Success Measure: Number of partnerships / mutual aid agreements Looking back on results of disasters - were we able to avoid severe impacts and/or recover quickly? Reduced impact of event Implementation of microgrids (local generation, storage and use of electricity) where feasible and appropriate to improve reslience to potential impacts to the regional electricity grid due to climate change. When electricity system is experiencing peak demand, so is water system. Increased public awareness of climate change and its impacts	YVWD working on energy project at WWTP. (Jennifer to provide more info) Key question - how can we measure regional impacts of a local progarm?	

Next Steps

- Finalize the Regional Water Budget (Supplies vs. Demand)

- Finalize the Goals and Objectives

- Received, Rank and Finalize the Stakeholders Project Submittals & Project Updates

- Water Shortage Contingency Plan (WSCP)
  - Six (6) Stages of Shortage Levels
  - Annual Water Supply and Demand Assessment
  - Potential Regional Shortage Response Actions
  - When is in implemented
  - Is required to be adopted separately from the IRUMWP
  - Will be presented at the same time as the IRUWMP

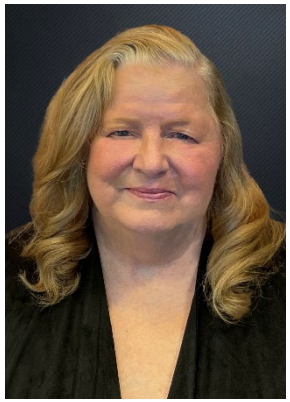
Countdown to Submittal

San Bernardino Valley Municipal Water District

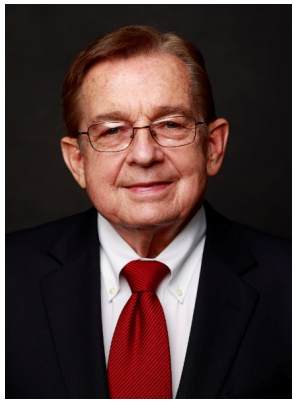
Questions

Director Comments and Discussion

Paul Kielhold
President



June Hayes
Vice President



T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation

Receive and File

Discussion Item 4.2 (Pg. 15)

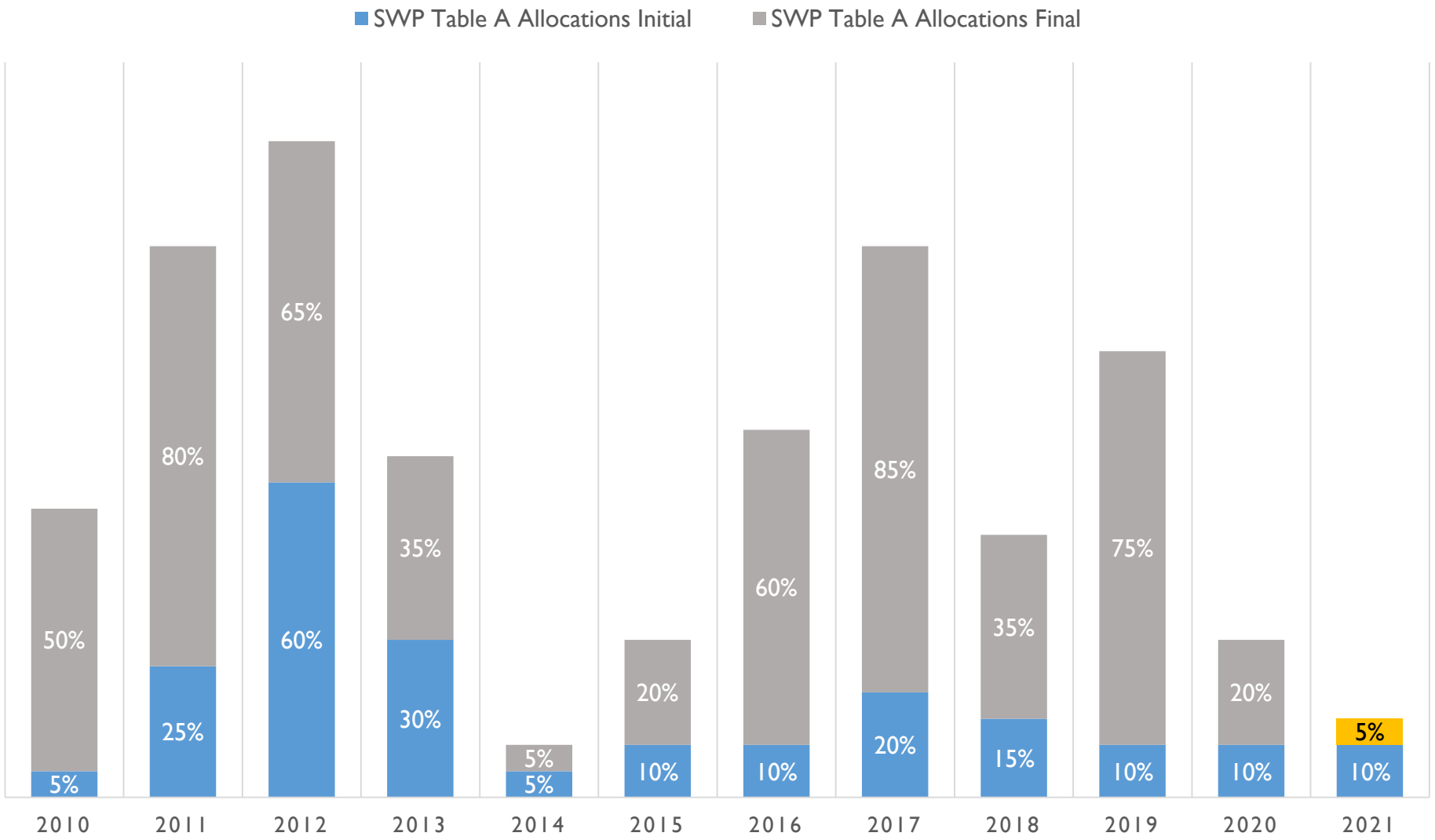
Bob Tincher, PE, MS – Chief Water Resources Officer/Deputy GM

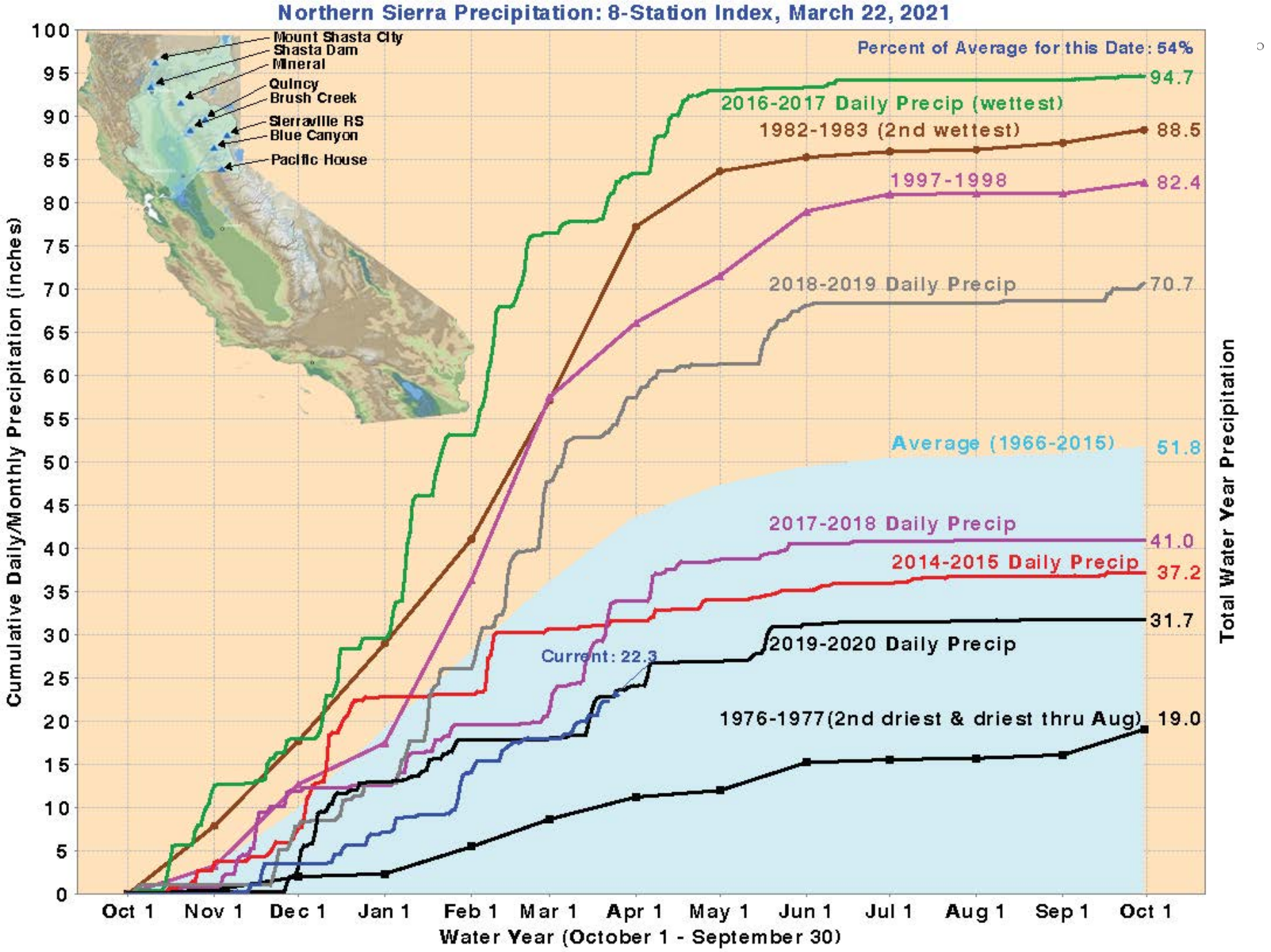
Update on Water Supply Conditions

Staff Recommendation
Receive and file

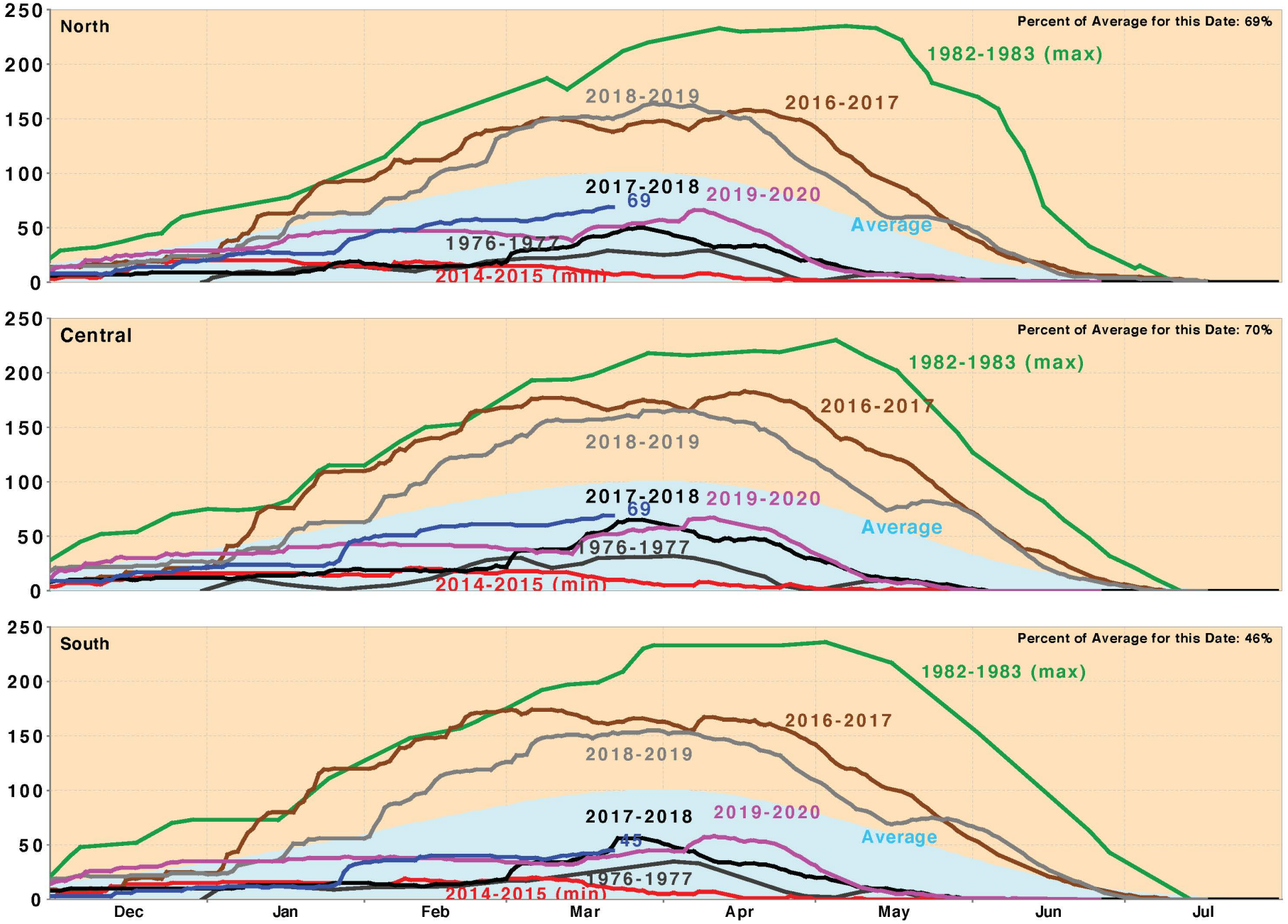
Update on Water Supply Conditions

SWP TABLE ALLOCATION HISTORY
INITIAL MEDIAN - 10%
FINAL MEDIAN - 50%



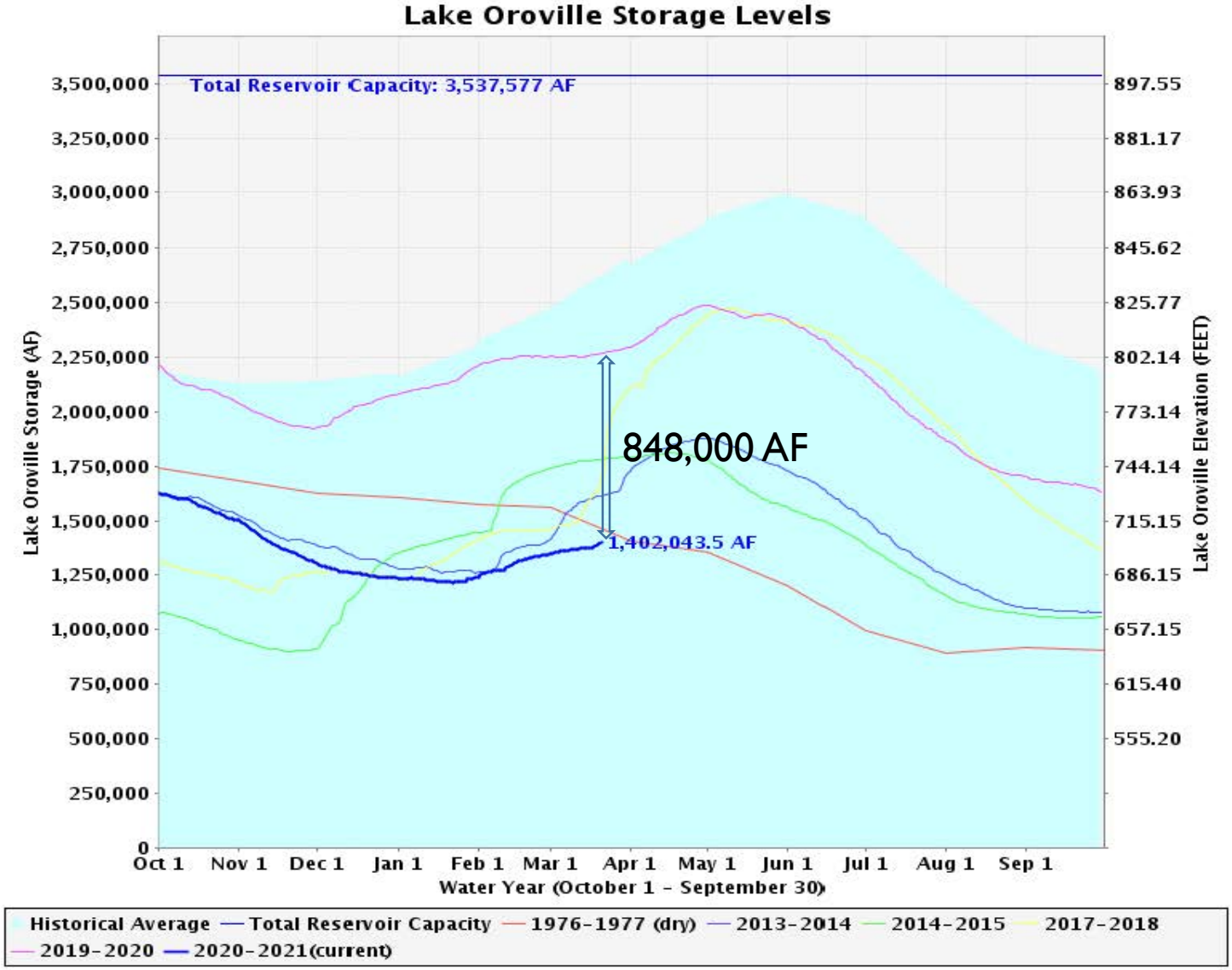

Northern Sierra Precipitation: 8-Station Index, March 22, 2021
Mount Shasta City
Shasta Dam
Mineral
Quincy
Brush Creek
Sierraville RS
Blue Canyon
Pacific House
Percent of Average for this Date: 54%
2016-2017 Daily Precip (wettest)
94.7
1982-1983 (2nd wettest)
88.5
1997-1998
82.4
2018-2019 Daily Precip
70.7
Average (1966-2015)
51.8
2017-2018 Daily Precip
41.0
2014-2015 Daily Precip
37.2
31.7
2019-2020 Daily Precip
Current: 22.3
1976-1977(2nd driest & driest thru Aug)
19.0
Cumulative Daily/Monthly Precipitation (inches)
Total Water Year Precipitation
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
Water Year (October 1 - September 30)

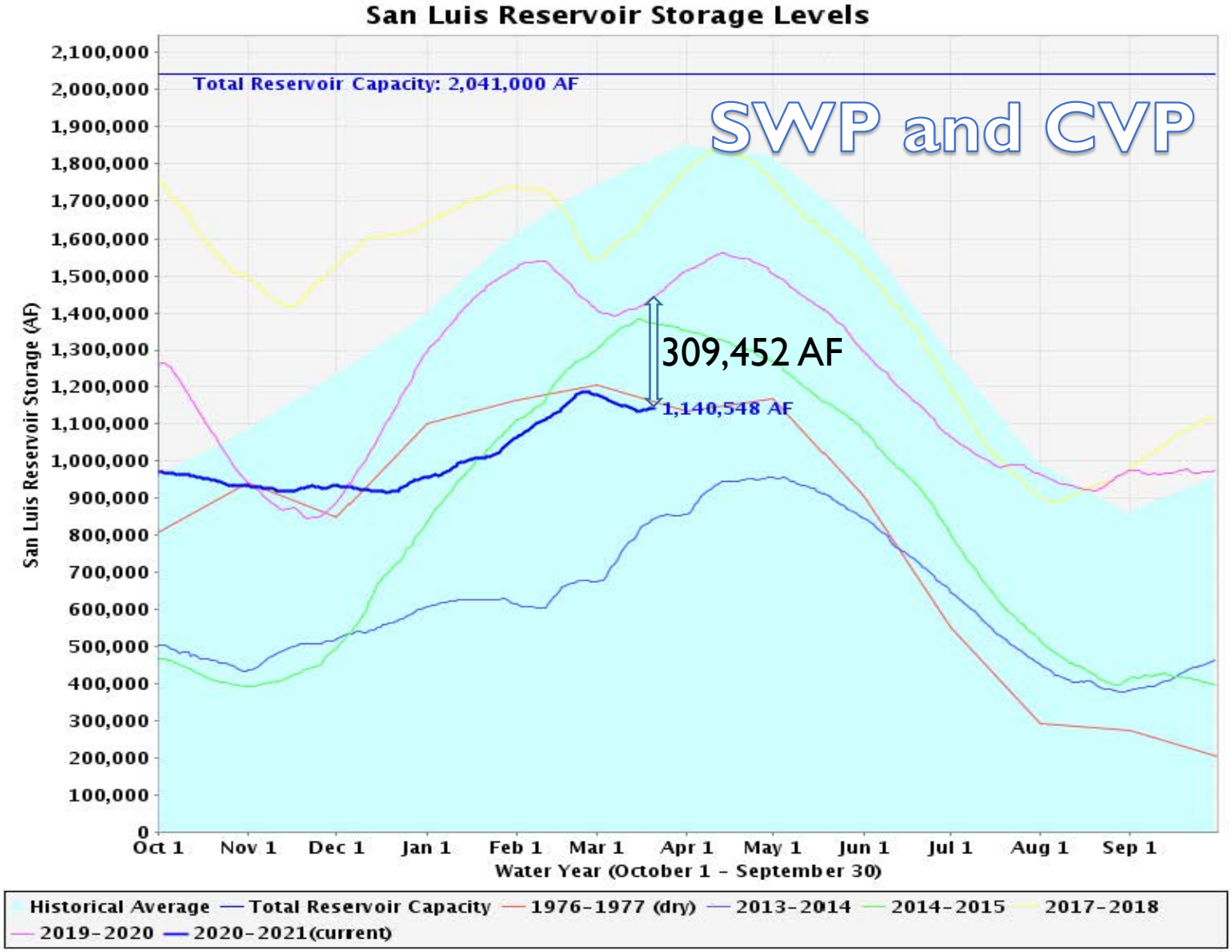
California Snow Water Content, March 22, 2021, Percent of April 1 Average



Statewide Percent of April 1: 63%

Statewide Percent of Average for Date: 64%


Lake Oroville Storage Levels
Total Reservoir Capacity: 3,537,577 AF
848,000 AF
1,402,043.5 AF
Lake Oroville Storage (AF)
Lake Oroville Elevation (FEET)
3,500,000
3,250,000
3,000,000
2,750,000
2,500,000
2,250,000
2,000,000
1,750,000
1,500,000
1,250,000
1,000,000
750,000
500,000
250,000
0
897.55
881.17
863.93
845.62
825.77
802.14
773.14
744.14
715.15
686.15
657.15
615.40
555.20
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Water Year (October 1 - September 30)
Historical Average
Total Reservoir Capacity
1976-1977 (dry)
2013-2014
2014-2015
2017-2018
2019-2020
2020-2021(current)


San Luis Reservoir Storage Levels
Total Reservoir Capacity: 2,041,000 AF
SWP and CVP
309,452 AF
1,140,548 AF
San Luis Reservoir Storage (AF)
2,100,000
2,000,000
1,900,000
1,800,000
1,700,000
1,600,000
1,500,000
1,400,000
1,300,000
1,200,000
1,100,000
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Water Year (October 1 - September 30)
Historical Average
Total Reservoir Capacity
1976-1977 (dry)
2013-2014
2014-2015
2017-2018
2019-2020
2020-2021(current)

Summary of DWR Modeling Results

Exceedence	Possible Table A	Storage Target
25% Exceedence Moderate OMR	13%	1.600 MAF
50% Exceedence North of Delta	11%	1.600 MAF
50% Exceedence Most OMR	9%	1.600 MAF
50% Exceedence Moderate and Least OMR	10%	1.600 MAF
75% Exceedence Moderate OMR	6%	1.600 MAF
90% Exceedence North of Delta	5%	1.600 MAF
90% Exceedence Most OMR	4%	1.600 MAF
90% Exceedence Moderate and Least OMR	5%	1.600 MAF

Imported Water is Interruptible
Retail Agencies Need 100% Backup

Valley District Resolution 888

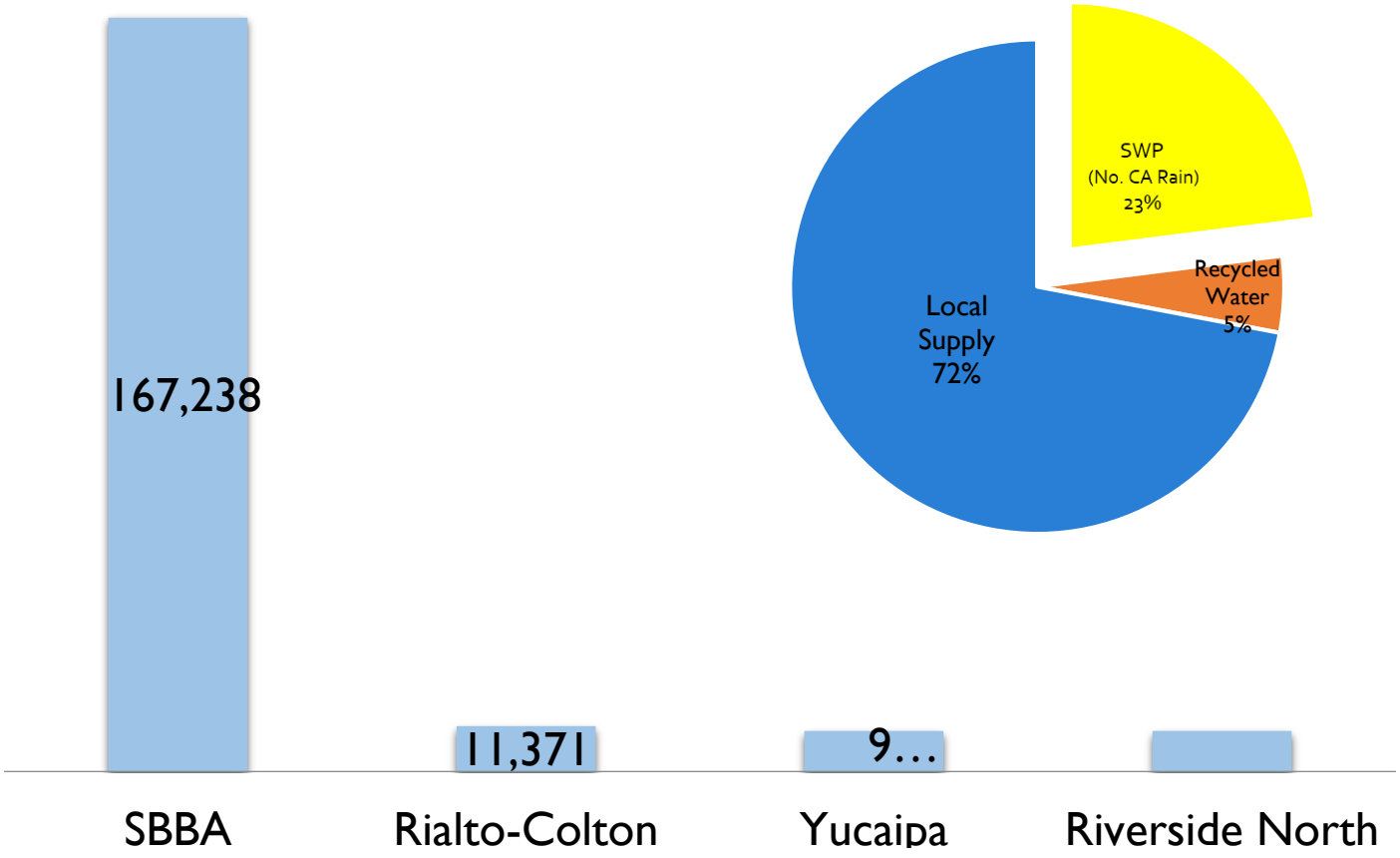
Section 2. 04. Back-up Capacity.

"…the Applicant [retail agency] is capable of sustaining its service requirements from independent sources during the period of any interruption of service from District facilities."

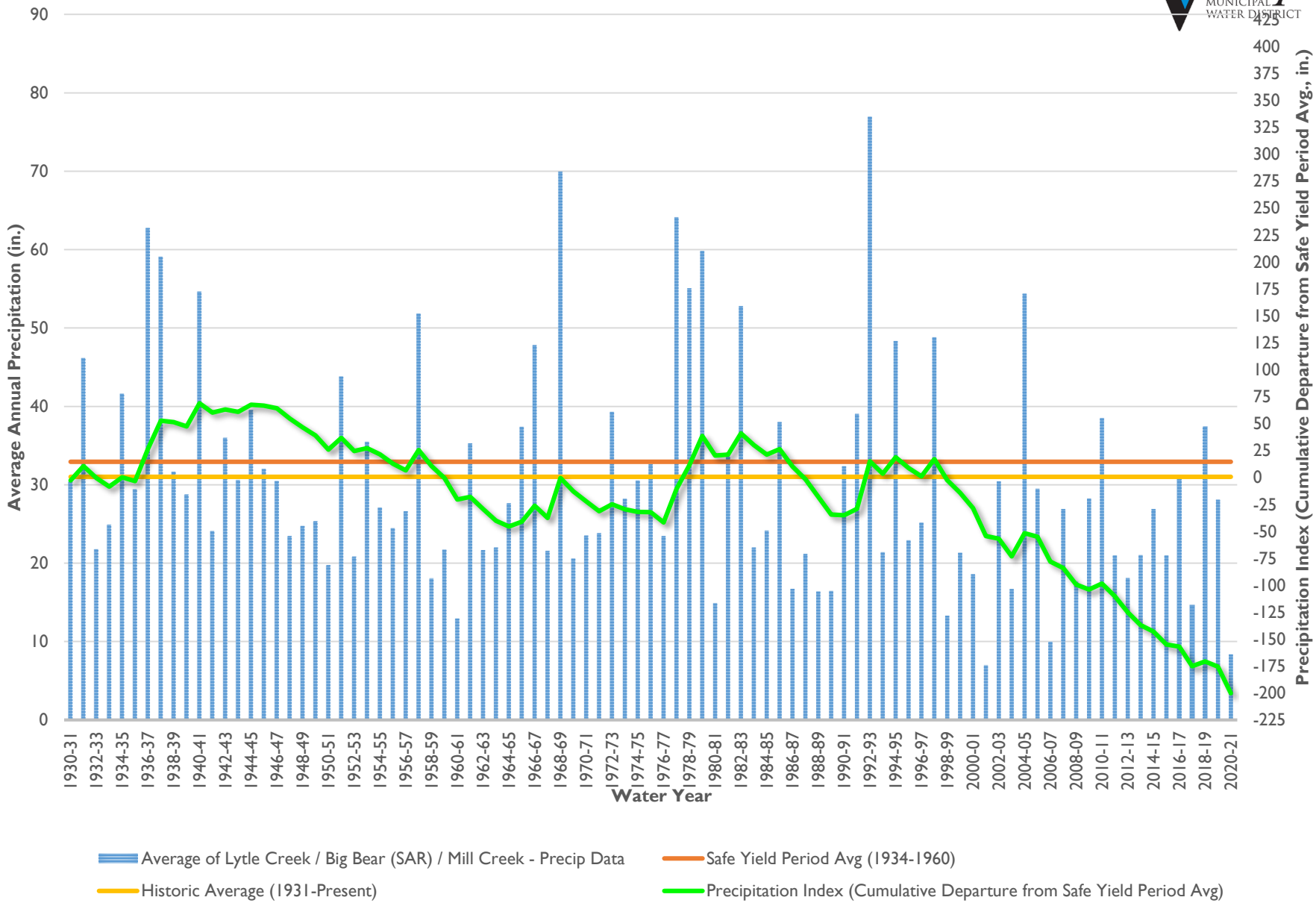
Section 4.02. Interruptible Service.

"All water supplied by the District shall be served upon an interruptible basis."

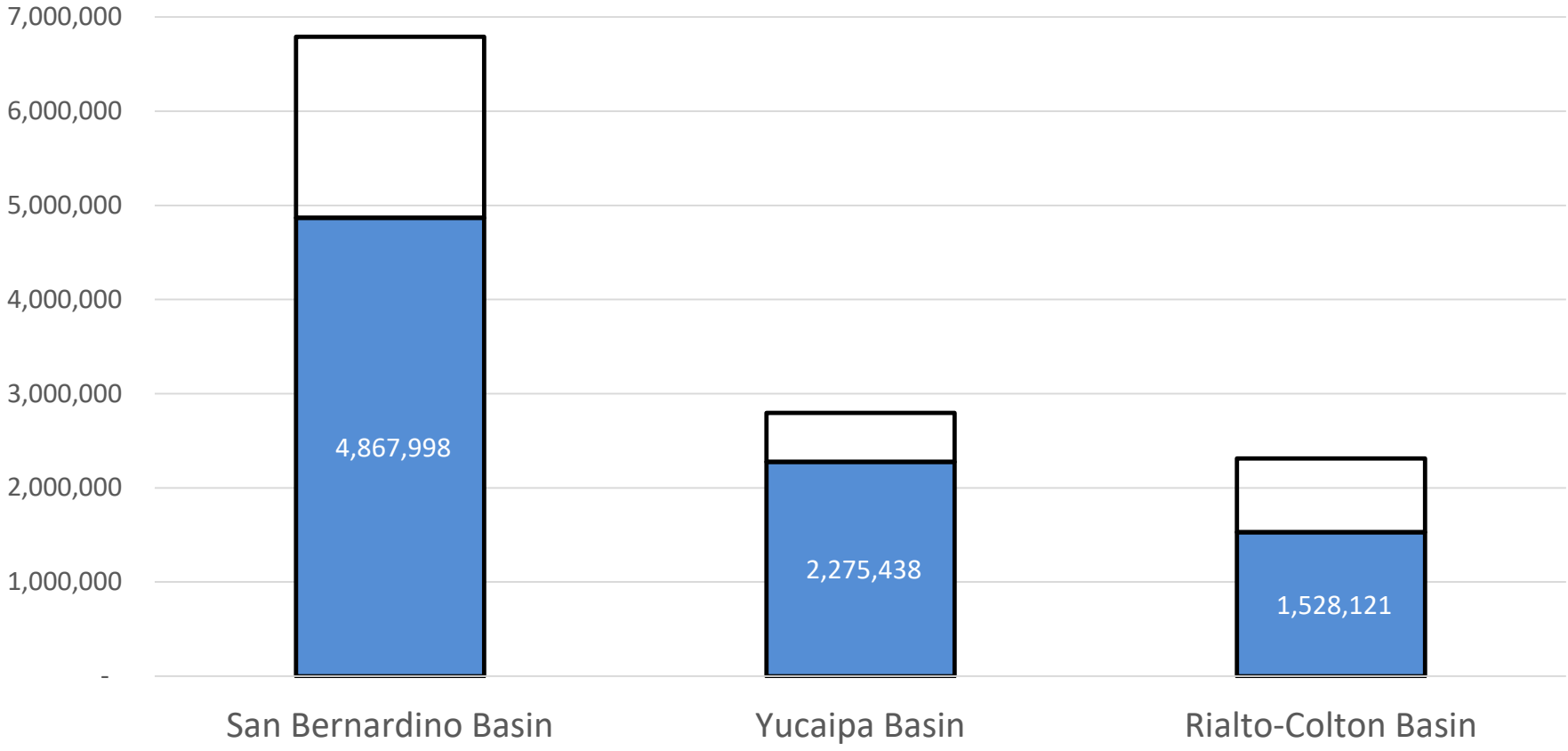
Our Water Supply



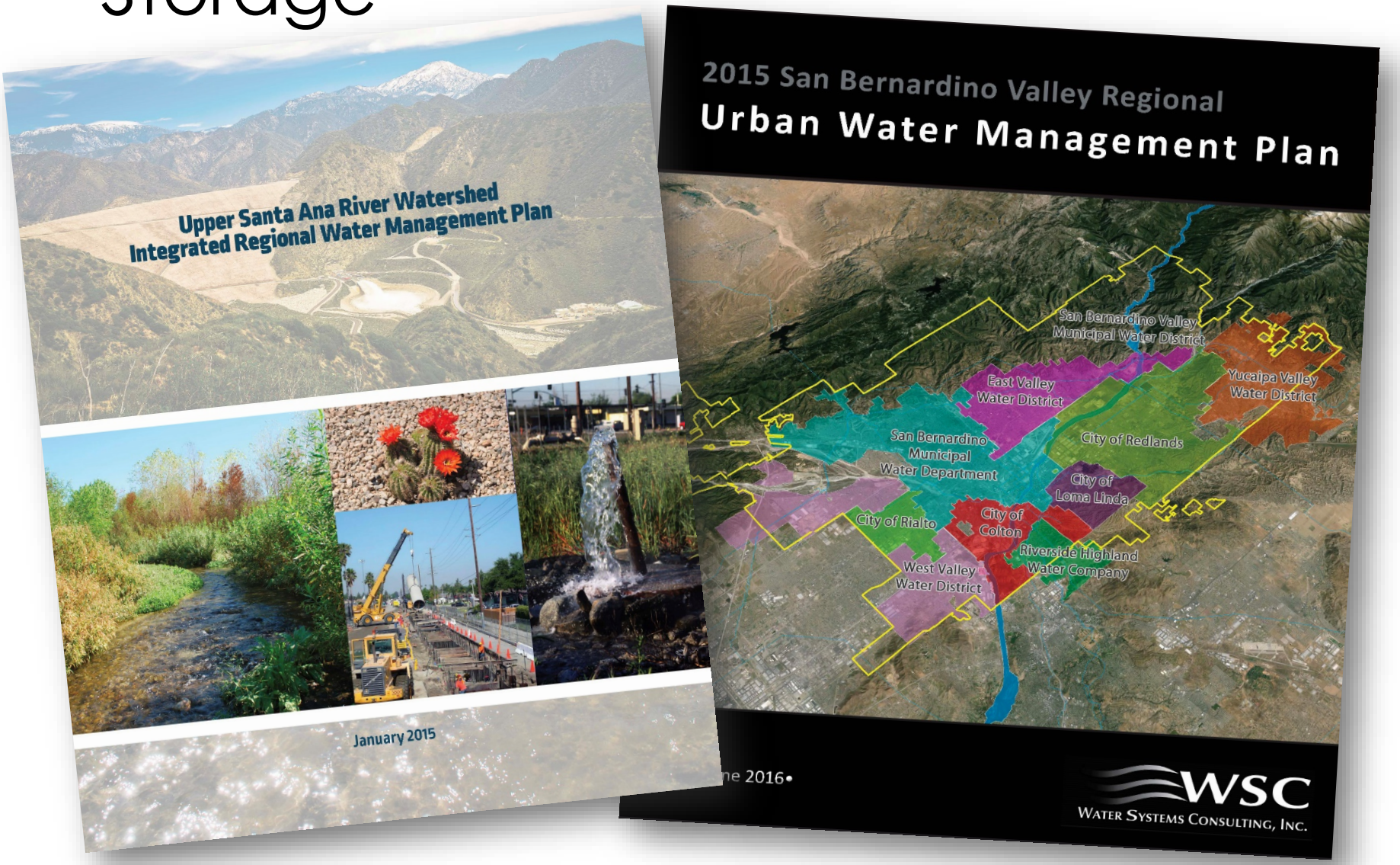
SAN BERNARDINO BASIN PRECIPITATION INDEX



The Equalizer: Stored Groundwater



Our Region's Plan for Drought: Storage



Wet Years: Maximize SWP
Dry Years: Rely on stored groundwater

"The storing of local and SWP water in the SBBA in wet years for later use during dry periods is one of the foundational management strategies in the IRWM Plan." IRWMP, p. 3-19

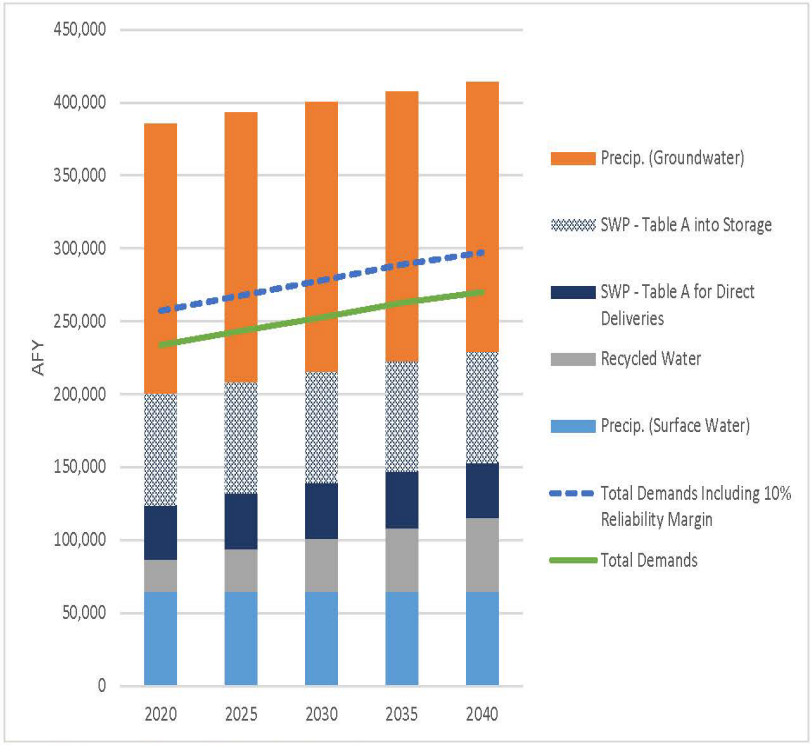


Figure 4-2. Estimated Regional Wet Year Supplies and Demands

Wet

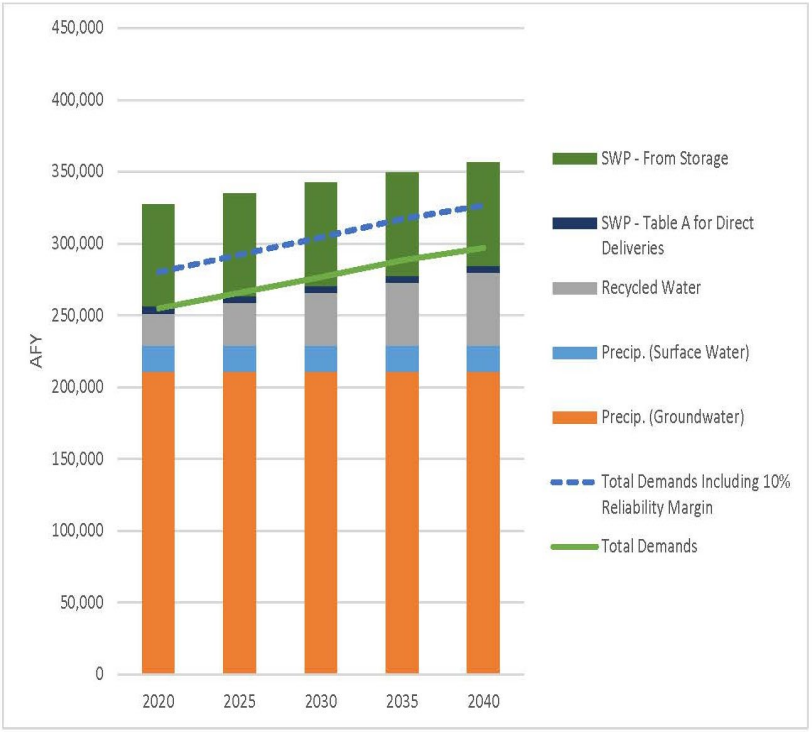


Figure 4-3. Estimated Regional Single Dry Year Supplies and Demands

Dry

Wet Years: Maximize SWP
Dry Years: Rely on stored groundwater

"The storing of local and SWP water in the SBBA in wet years for later use during dry periods is one of the foundational management strategies in the IRWM Plan." IRWMP, p. 3-19

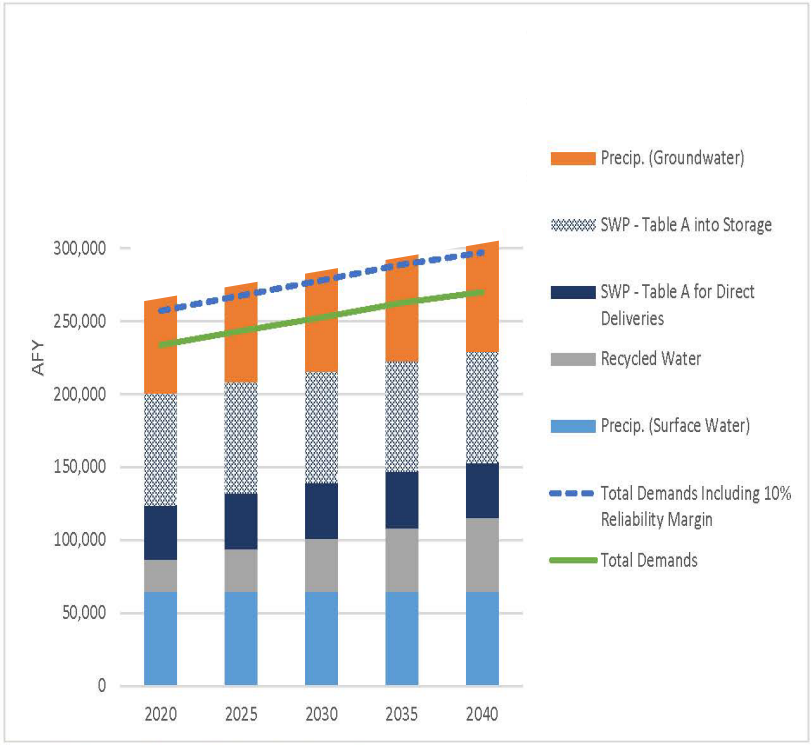


Figure 4-2. Estimated Regional Wet Year Supplies and Demands

Wet

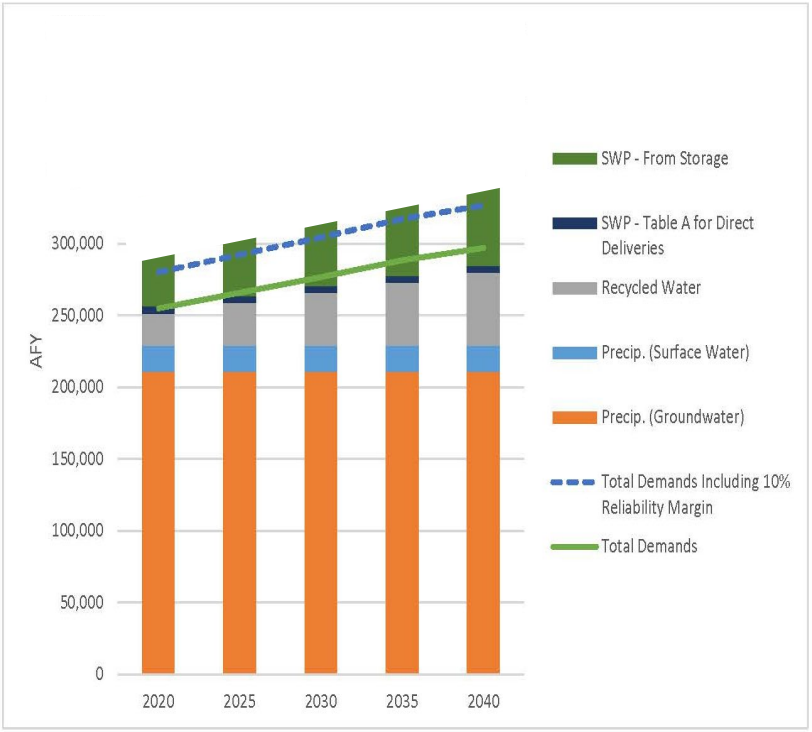
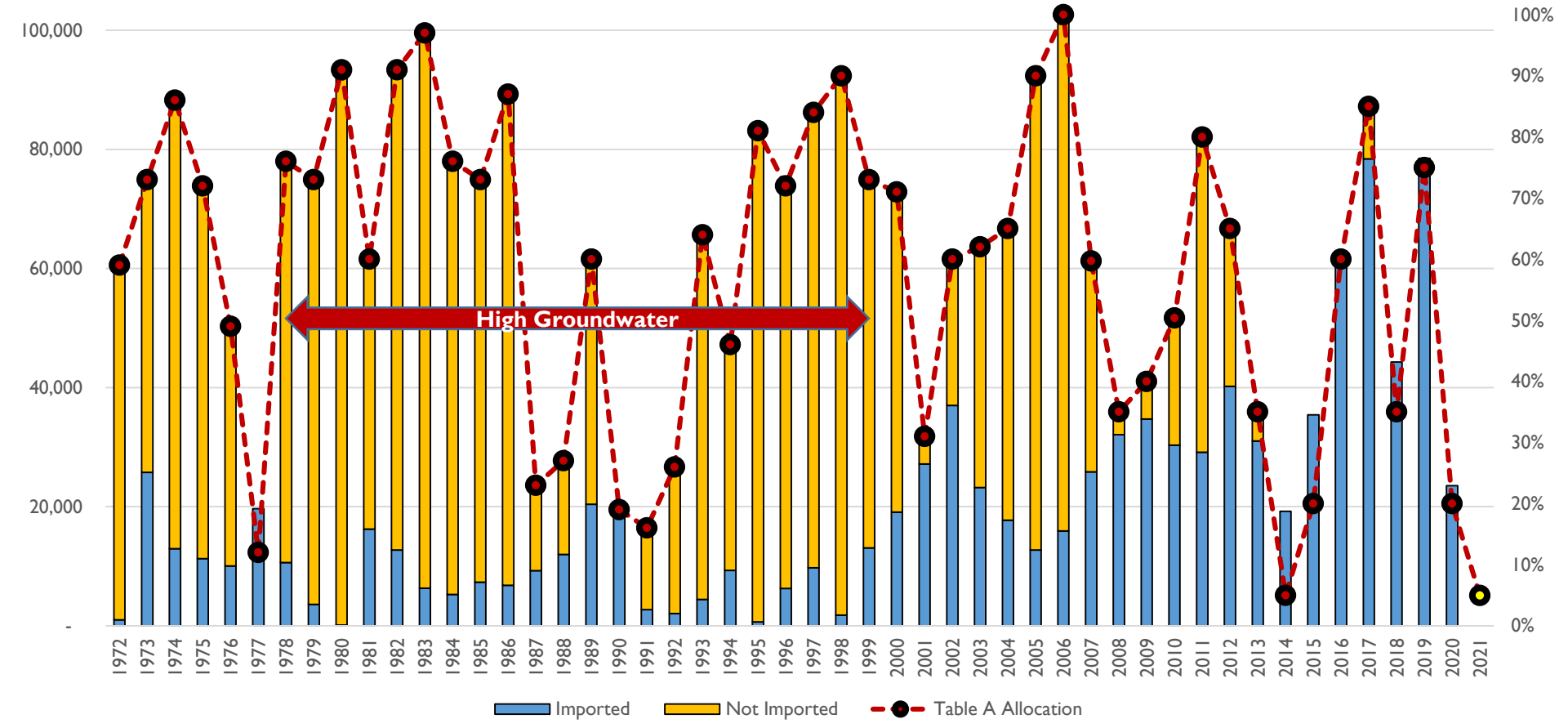


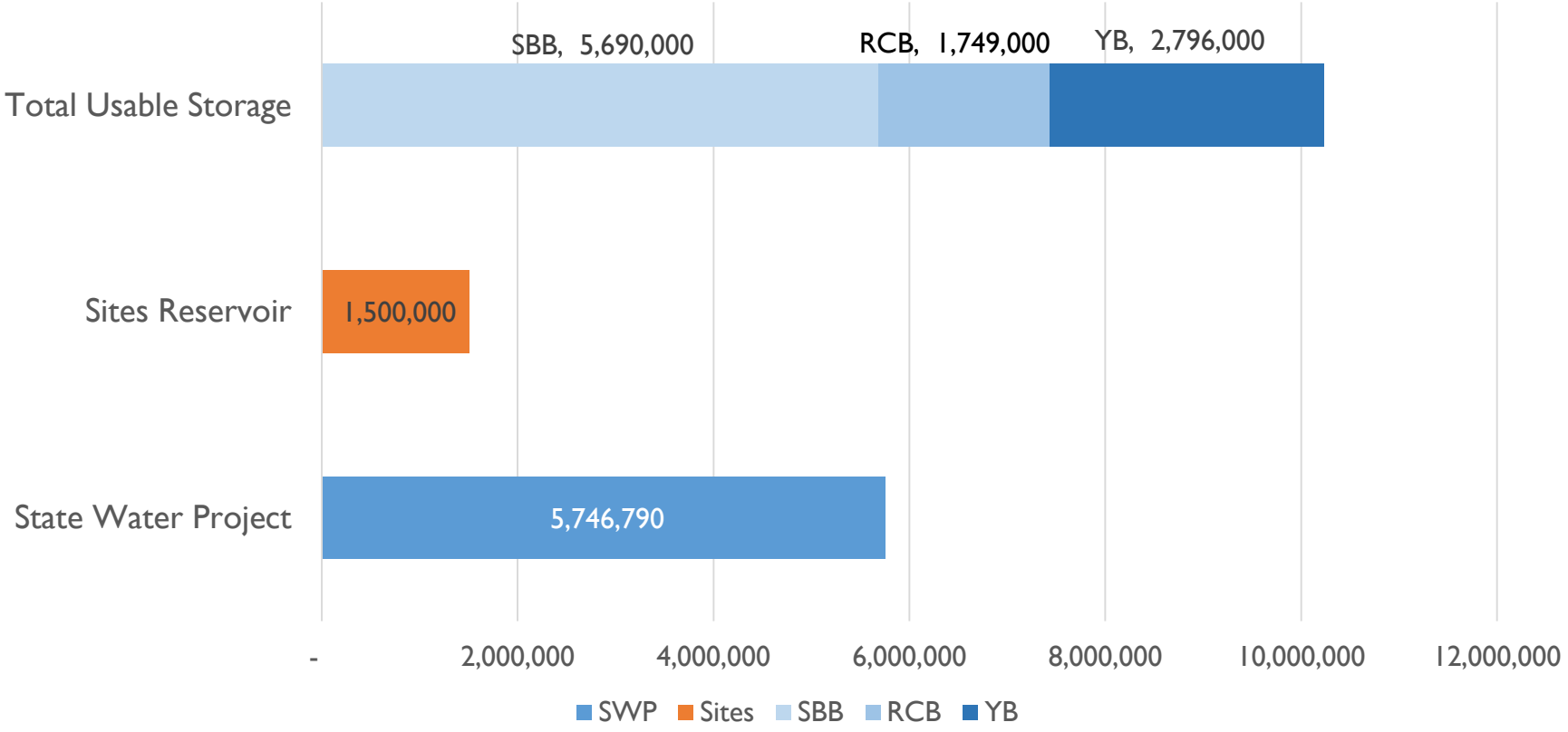
Figure 4-3. Estimated Regional Single Dry Year Supplies and Demands

Dry

Historic SWP Allocations and Amount Imported



More Storage Space than the Entire SWP!



Priority for SWP Direct Deliveries

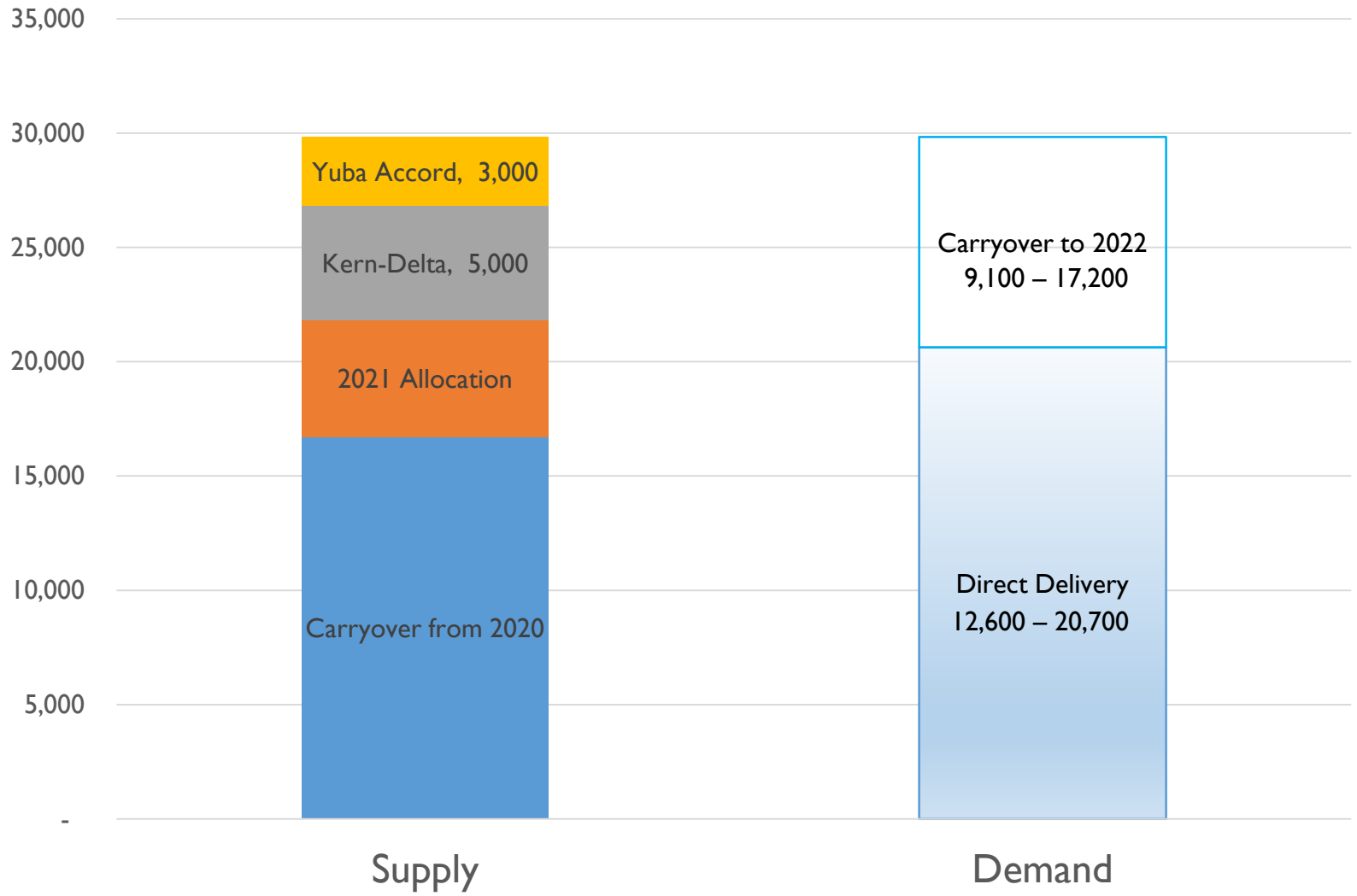
"…SWP water not used for direct deliveries is banked in groundwater storage."

IRWMP

"Direct deliveries will be given first priority because there are essentially no losses associated with direct deliveries and because agencies that take direct deliveries have made a significant investment in infrastructure for those deliveries."

Guidelines for the Delivery of Water Purchased by the Groundwater Council

2021 SWP Supply and Demand

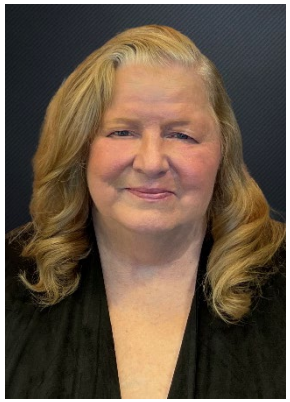


Next Steps

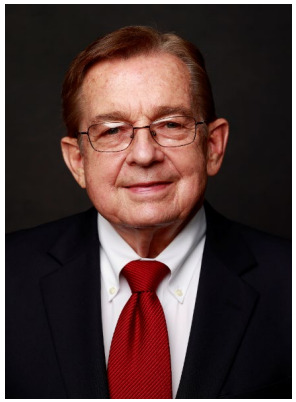
- Staff will provide a SWP water supply update to BTAC
- Staff will provide a SWP water supply update to the San Bernardino Basin Groundwater Council
- Staff will work with Bear Valley Mutual Water Company on dry-year options for deliveries under the Big Bear Agreement
- Staff will work with retail water agency staff to develop a 2021 plan for direct deliveries

Director Comments and Discussion

Paul Kielhold
President



June Hayes
Vice President



T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation

Receive and File

Discussion Item 4.3 (Pg. 18)

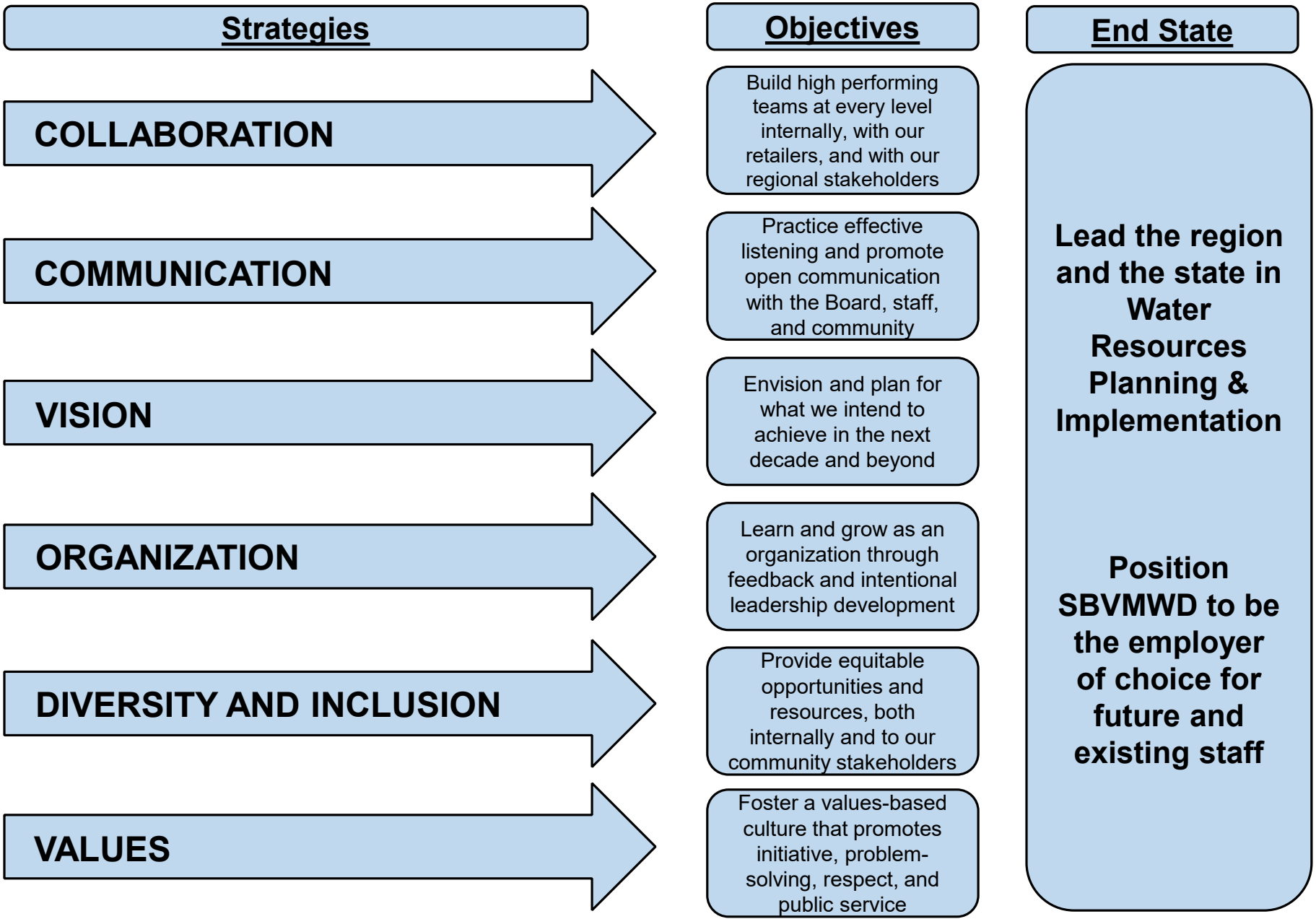
Heather Dyer, MS, MBA – Chief Executive Officer/General Manager

CEO/General Manager's 2021/2022 Goals

Staff Recommendation

Provide feedback and direction on the CEO/General Manager's 2021/2022 goals

2021/ 2022 SBVMWD Goal Strategy Framework



2021/2022 Goals Overview

Purpose

Lead the region in Water Resource Planning and Implementation while making SBVMWD the employer of choice for future & existing staff.

External Goals

- Strategic Plan
- 7-Oaks Feasibility Study
- Habitat Conservation Program
- Climate Resilience Plan
- Headwater Resilience Partnership
- Demand Mgmt. Program
- Strategic Communications Plan
- Capital Improvement Program

Internal Goals

- Strategic Plan
- New Financial Model
  - Financial Policies
- Competitive Employer Positioning
  - Class and Compensation
  - Long Term Benefits
- Long-term Organizational Needs
  - Human Resources/Risk Mgmt./Safety Assessment
  - Succession Planning
  - Career Mapping
  - Employee Development
  - Workforce Pipeline

End State

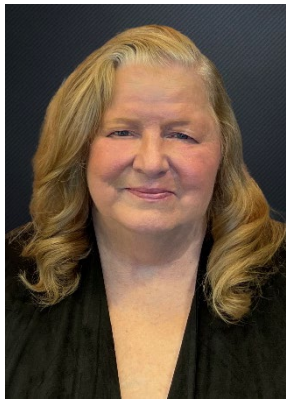
Posture the District to be a regional leader, to maximize opportunities, and to ensure successful operations, fiscal responsibility, and public service for decades to come.

	GOALS	2021	2022	2023 & Beyond
1.	Valley District Strategic Plan	Complete Plan.	Develop Goal-Specific Action Plans	Implement Action Plans
2.	Seven Oaks Dam Water Conservation Feasibility Study. - Develop working relationship with Army Corps of Engineers	Begin Study.	Complete Feasibility Study to add Water Conservation as an authorized use of dam	
3.	Upper SAR Habitat Conservation Program	Complete Plan.	Receive Permits and Implement Program.	
4.	Valley District Climate Resilience Plan - Develop strategy to ensure District is prepared to handle the various threats and stressors resulting from climate change.	Complete Draft Plan.	Finalize Plan. Begin implementation. Use as supporting document to apply for climate-resilient infrastructure funding.	
5.	Headwaters Resilience Partnership. - Develop strategic framework for regional partnership with US Forest Service, CalFire, community groups, and other local stakeholders to focus planning efforts on proactive activities to promote the long-term health and resilience of our headwater forest areas.	Complete Partnership framework. Begin developing action plan.	Prepare strategic planning document. Explore various funding and partnership opportunities for implementation of headwaters management activities.	
6.	Valley District Demand Management Program. - Development of our re-envisioned Water Conservation Program that will provide meaningful opportunities and support to the retailers and community to reduce demand on our groundwater resources.	Complete Planning. Implement.	Measurement and Performance Tracking and Refinement of Program.	
7.	Valley District Capital Improvement Program - Plan the projects that the District envisions being built over the next 10 years. - Estimate costs and identify potential funding options for program	Complete Planning Document	Refine project designs, phasing, and costs.	Begin Implementation.

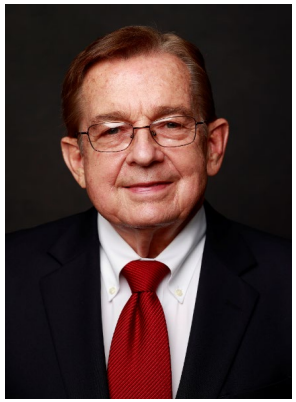
	GOALS	2021	2022	2023 & Beyond
8.	Strategic Communications Plan - Develop formal strategy to increase Valley District's visibility in the community and promote our many valuable initiatives to the people we serve.	Complete Plan.	Implementation.	
9.	New Financial Model. - Develop new modeling tool to predict revenues over time given various conditions and incorporate capital expenses and other obligations into long-term financial outlook	Complete Model.	Implementation.	
10.	Position District as competitive with neighboring water agencies for talent acquisition and employee retention. a. Class and Compensation Study (Phase I) b. Long-term Benefits Assessment (Phase II)	a. Complete Study. b. Begin Assessment.	Implement.	Regular review of comp and benefits every 2 - 3 yrs.
11.	Human Resources/Risk Mgmt./Safety Baseline Assessment - Complete assessment of our current needs and develop strategies to meet the current and future needs of the District	Complete Study. Implement.	Implementation.	
12.	District-wide Succession Plan and Employee Development Program - Complete assessment of District staffing needs in next 1-5 years and 6-10 years. Develop strategy to meet future needs by preparing and developing internal staff, where appropriate, while also positioning District to secure top talent	Begin Planning and Program Development.	Implementation.	
13.	Employee Handbook Update - Revise employee handbook including update of various personnel-related policies	Complete Update.	Implementation.	
14.	Workforce Pipeline Development (IEWorks or other similar program) - Identify opportunities to build a workforce pipeline within the region to ensure long-term availability of trained and qualified persons to staff future positions.	Begin Development.	Implementation.	

Director Comments and Discussion

Paul Kielhold
President



June Hayes
Vice President



T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation

Provide feedback and direction on the CEO/General Manager's 2021/2022 goals.

Future Business

Adjournment