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 831 7559 3663

View the live meeting presentation at https://sbvmwd.zoom.us/j/83175593663 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.



Call to Order

Board of Directors Workshop - Policy Thursday, November 18, 2021

Chairperson — Director Botello Vice-Chair — Director Kielhold



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 – Policy – October 14, 2021



Discussion Item 4.1 (Pg. 15)

Cindy Saks, CPA - Deputy General Manager/Chief Financial Officer

Quarterly Investment Portfolio Update with PFM Asset Management

Staff Recommendation

Receive and file the portfolio update report from PFM.



San Bernardino Valley Municipal Water District

Investment Performance Review For the Quarter Ended September 30, 2021

Client Management Team

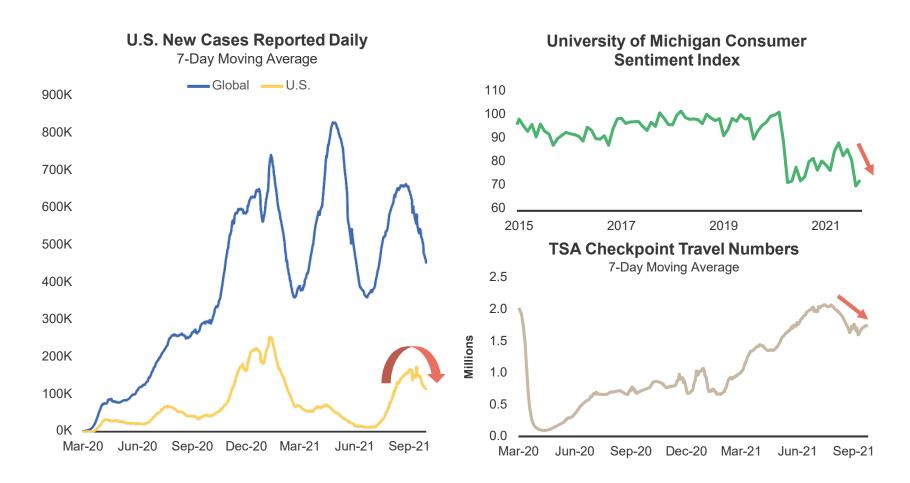
PFM Asset Management LLC

Richard Babbe, CCM, Senior Managing Consultant Ellen Clark, Director 555 W. 5th Street, Suite 3500 Los Angeles, CA 90013 949-230-6896

213 Market Street Harrisburg, PA 17101-2141 717-232-2723

Market Summary

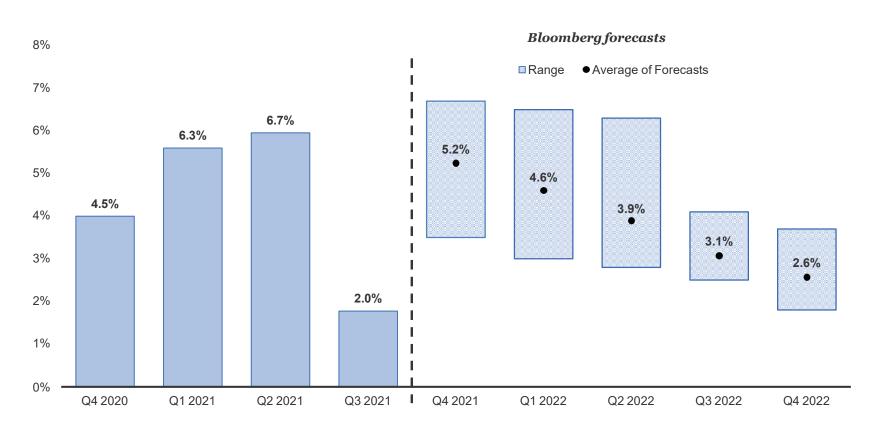
As COVID Goes, So Goes the Economy



Source: John Hopkins University Coronavirus Resource Center, PFM calculations (left); Bloomberg (top right, bottom right) as of 9/30/2021.

U.S. Economic Growth Slowed on Delta Surge and Supply Chain Issues



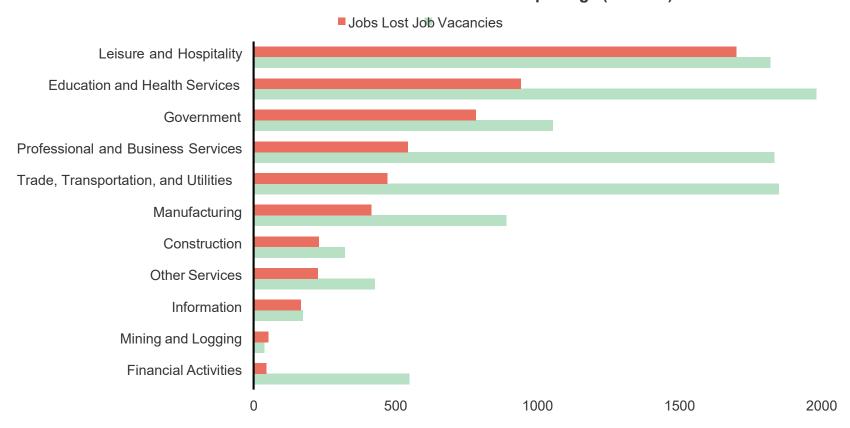


Source: Bloomberg, as of October 2021. Forecasts by Goldman Sachs Group, Deutsche Bank, ING Group, JPMorgan Chase, BMO Capital, Barclays, UBS, Morgan Stanley, and Wells Fargo.

Market Update

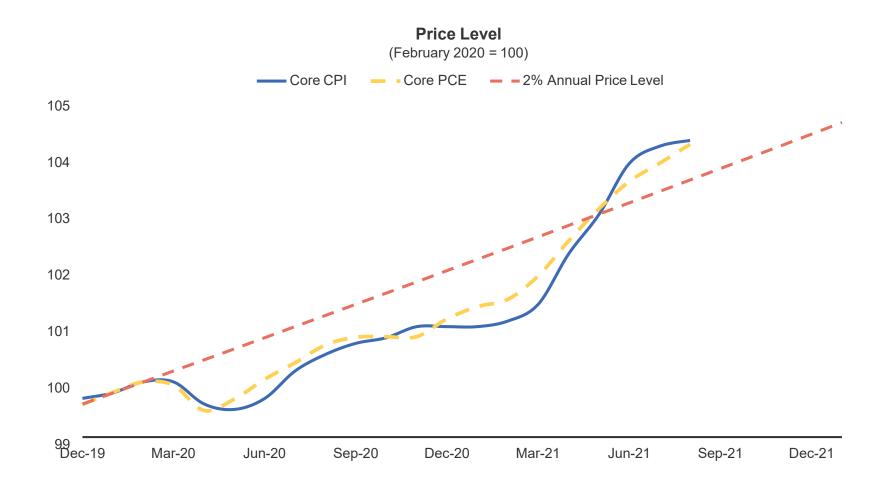
Labor Shortages Are More Dramatic in Select Industries

Jobs Lost to the Pandemic vs. Current Job Openings (in '000s)



Source: Bureau of Labor Statistics, PFM calculations; as of 9/30/2021. Jobs Lost represents a change in payroll employment numbers from February 2020 to July 2021.

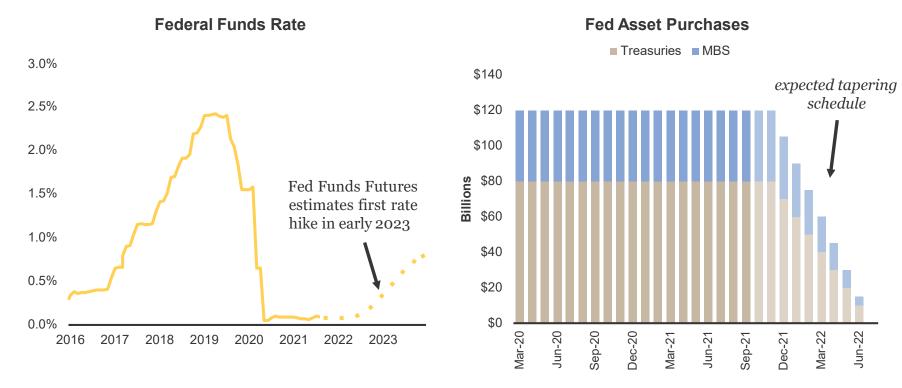
Inflation Indicators Surpass Pre-Covid Trend



Source: Bloomberg, as of 9/30/2021.

Tapering Likely to Begin in Late 2021; De-couples Rate Decision

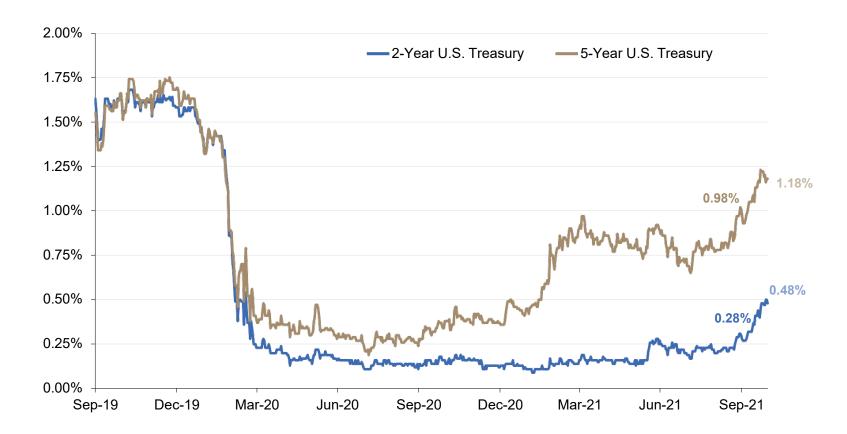
"If progress continues broadly as expected, the Committee judges that a moderation in the pace of asset purchases may soon be warranted... a gradual tapering process that concludes around the middle of next year is likely to be appropriate...The timing and pace of the coming reduction in asset purchases will not be intended to carry a direct signal regarding the timing of interest rate liftoff, for which we have articulated a different and substantially more stringent test."



Source: Bloomberg, as of 9/30/2021 (chart). Fed Funds Futures projections as of 9/30/2021.

Market Update

Despite Volatility, Yields Ended Little Changed in Q3, Up Sharply to Start Q4



Source: Bloomberg, as of 10/29/21.

Account Summary

Combined Portfolio Composition – By Fund

Fund	June 30, 2021	September 30, 2021
General Fund	\$147,528,238	\$143,128,727
State Water Contract Fund	\$417,688,350	\$397,223,608
Devils Canyon/Castaic Fund	\$5,297,111	\$4,790,874
Total	\$570,518,699	\$545,138,209

Sector Allocations

Security Type	Market Value as of June 30, 2021	% of Portfolio	Market Value as of September 30, 2021	% of Portfolio	Change vs. 6/30/21	Sector Limits
U.S. Treasury	\$221,790,836	38.9%	\$241,420,684	44.4%	5.4%	100%
Federal Agency	\$86,557,487	15.2%	\$76,015,442	14.0%	-1.2%	100%
Municipal	\$13,331,311	2.3%	\$11,292,903	2.1%	-0.3%	30%
Negotiable CDs	\$23,795,360	4.2%	\$16,545,797	3.0%	-1.1%	30%
Corporate Notes	\$70,864,141	12.4%	\$71,441,630	13.1%	0.7%	30%
Securities Sub-Total	\$416,339,134	73.1%	\$416,716,456	76.6%	3.4%	
Accrued Interest	\$1,088,696		\$845,130			
Securities Total	\$417,427,830		\$417,561,586			
LAIF	\$74,426,696	13.1%	\$74,487,463	13.7%	0.6%	\$75 Million
Money Market Fund	\$87,581	0.0%	\$252,952	0.0%	0.0%	20.0%
CAMP	\$78,576,593	13.8%	\$52,836,208	9.7%	-4.1%	50.0%
Total Liquidity	\$153,090,869	26.9%	\$127,576,623	23.4%	-3.4%	
Total Investments	\$570,518,699	100.0%	\$545,138,209	100.0%		

Issuer Diversification

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
U.S. Treasury	57.9%	
UNITED STATES TREASURY	57.9%	AA / Aaa / AAA
Federal Agency	18.2%	
FANNIE MAE	4.0%	AA / Aaa / AAA
FREDDIE MAC	14.2%	AA / Aaa / AAA
Municipal	2.7%	
CALIFORNIA DEPARTMENT OF WATER RESOURCES	0.2%	AAA / Aa / NR
CALIFORNIA EARTHQUAKE AUTHORITY	0.2%	NR / NR / A
CALIFORNIA STATE UNIVERSITY	0.1%	AA / Aa / NR
FLORIDA STATE BOARD OF ADMIN FIN CORP	0.2%	AA / Aa / AA
LOS ANGELES COMMUNITY COLLEGE DISTRICT	0.2%	AA / Aaa / NR
NEW JERSEY TURNPIKE AUTHORITY	0.2%	A/A/A
NEW YORK ST URBAN DEVELOPMENT CORP	0.8%	AA / NR / AA
SAN JUAN UNIFIED SCHOOL DISTRICT	0.1%	NR / Aa / NR
STATE OF CONNECTICUT	0.0%	A / Aa / AA
STATE OF MARYLAND	0.5%	AAA / Aaa / AAA
STATE OF MISSISSIPPI	0.2%	AA / Aa / AA
Negotiable CD	4.0%	
CREDIT SUISSE GROUP RK	0.7%	A/A/A
DNB ASA	0.9%	AA / Aa / NR
NORDEA BANK ABP	0.9%	AA / Aa / AA
SKANDINAVISKA ENSKILDA BANKEN AB	0.9%	A / Aa / AA
SUMITOMO MITSUI FINANCIAL GROUP INC	0.7%	A / Aa / A
Corporate	17.1%	
3M COMPANY	0.2%	A/A/NR
ADOBE INC	0.2%	A/A/NR

Security Type / Issuer	Market Value	S&P / Moody's /
Corporate	(%) 17.1%	Fitch
•		AA / A / AA
AMAZON.COM INC	1.1%	
AMERICAN EXPRESS CO	0.4%	BBB / A / A
AMERICAN HONDA FINANCE	0.3%	A/A/NR
APPLE INC	0.4%	AA / Aa / NR
ASTRAZENECA PLC	0.4%	A/A/NR
BANK OF AMERICA CO	0.8%	A/A/AA
BLACKROCK INC	0.4%	AA / Aa / NR
BMW FINANCIAL SERVICES NA LLC	0.2%	A/A/NR
BRISTOL-MYERS SQUIBB CO	0.4%	A/A/NR
CATERPILLAR INC	0.7%	A/A/A
CHARLES SCHWAB	0.3%	A/A/A
CHEVRON CORPORATION	0.2%	AA / Aa / NR
CITIGROUP INC	1.1%	BBB/A/A
COMCAST CORP	0.2%	A/A/A
DEERE & COMPANY	0.6%	A/A/A
GOLDMAN SACHS GROUP INC	0.6%	BBB / A / A
HOME DEPOT INC	0.1%	A/A/A
HONEYWELL INTERNATIONAL	0.1%	A/A/A
JP MORGAN CHASE & CO	1.3%	A/A/AA
MERCK & CO INC	0.5%	A / A / A
	0.7%	BBB / A / A
MORGAN STANLEY	0.4%	A/A/A
NATIONAL RURAL UTILITIES CO FINANCE CORP	0.7%	AA / Aa / NR
NESTLE SA	0.7%	A/A/NR
PACCAR FINANCIAL CORP	0.2%	A/A/NR
PEPSICO INC	0.1%	A/A/A
PFIZER INC		

Ratings shown are calculated by assigning a numeral value to each security rating, then calculating a weighted average rating for each security type / issuer category using all available security ratings, excluding Not-Rated (NR) ratings. For security type / issuer categories where a rating from the applicable NRSRO is not available, a rating of NR is assigned. Excludes balances invested in money market funds.

Issuer Diversification

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
Corporate	17.1%	
PNC FINANCIAL SERVICES GROUP	0.2%	A/A/A
THE BANK OF NEW YORK MELLON CORPORATION	0.6%	A/A/AA
TOYOTA MOTOR CORP	1.4%	A/A/A
TRUIST FIN CORP	0.5%	A/A/A
UNILEVER PLC	0.3%	A/A/A
UNITEDHEALTH GROUP INC	0.3%	A/A/A
US BANCORP	0.2%	A/A/A
VISA INC	0.2%	AA / Aa / NR
WAL-MART STORES INC	0.3%	AA / Aa / AA
Total	100.0%	

Ratings shown are calculated by assigning a numeral value to each security rating, then calculating a weighted average rating for each security type / issuer category using all available security ratings, excluding Not-Rated (NR) ratings. For security type / issuer categories where a rating from the applicable NRSRO is not available, a rating of NR is assigned. Excludes balances invested in money market funds.

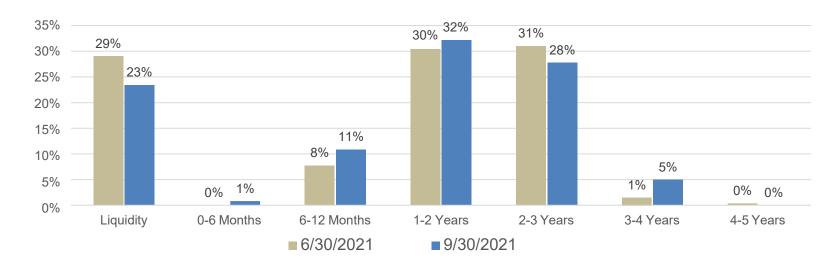
Certificate of Compliance

During the reporting period for the quarter ended September 30, 2021, the account(s) managed by PFM Asset Management ("PFMAM") were in compliance with the applicable investment policy and guidelines as furnished to PFMAM.

Acknowledged: PFM Asset Management LLC

Maturity Distribution

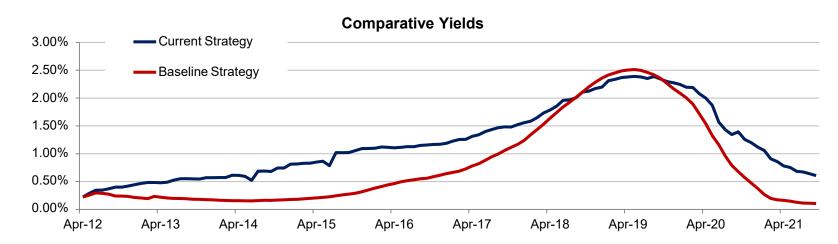
- The District maintains ample liquidity in the LAIF/CAMP.
- For the managed portfolio, we continue to emphasize maturities in the 1-3 year maturity range, consistent with the portfolio's benchmark.



Weighted Average Maturity (Years)	June 30, 2021	September 30, 2021
Overall	1.4	1.5
Managed Portfolio	1.9	1.9

Combined Portfolio Yield and Earnings Comparison

April 2012 – September 2021





Compliance

Managed Portfolio Total Return Performance

Total return expresses annualized rate of return over a specified period and takes into account all changes in the portfolio, including market value changes, reinvestment rates, cash flows, and interest earned plus realized gains/losses.

			Periods Ending September 30, 2021			
				Annualized		
BofAML Indices	Duratio n (years)	Quarter	Past 12 Months	Past 3 Years	Since Inception	
State Water Contract Fund	1.83	0.07%	0.25%	2.79%	1.52%	
General Fund	1.84	0.07%	0.26%	2.81%	1.55%	
ICE BofAML 1 Year UST Index (GC03)	0.91	0.02%	0.16%	1.88%	0.95%	
ICE BofAML 1-3 Year UST Index (G1O2)	1.83	0.06%	0.03%	2.63%	1.22%	
ICE BofAML 1-5 Year UST Index (GVQ0)	2.59	0.00%	-0.40%	3.24%	1.48%	

ICE BofAML Indices provided by Bloomberg Financial Markets.

Portfolio inception date as of June 30, 2012

The District's portfolios are not managed on a total return basis, so the indices are shown for information only. Performance on trade-date basis, gross (i.e., before fees), in accordance with the CFA Institute's Global Investment Performance Standards (GIPS).

Periods less than one year are on an unannualized basis. Periods greater than one year are on an annualized basis.

Market Value and Accrual Basis Earnings

Market Value Earnings	3 Months	1 Year	3 Years	5 Years	Since Inception
Interest Earned ²	\$992,336	\$4,514,525	\$19,494,454	\$29,859,016	\$39,645,735
Change in Market Value	(\$688,208)	(\$3,571,143)	\$9,317,644	\$2,721,752	\$2,961,986
Total Dollar Return	\$304,128	\$943,382	\$28,812,098	\$32,580,768	\$42,607,721
Accrual Basis Earnings	3 Months	1 Year	3 Years	5 Years	Since Inception
Interest Earned ²	\$992,336	\$4,514,525	\$19,494,454	\$29,859,016	\$39,645,735
Change in Market Value	\$479,070	\$2,367,696	\$4,222,827	\$3,630,974	\$3,741,277
Realized Gains / (Losses) ³	(\$126,273)	(\$229,278)	\$35,869	(\$382,726)	(\$2,211,339)
Total Earnings	\$1,345,133	\$6,652,943	\$23,753,150	\$33,107,264	\$41,175,673

^{1.} Performance inception date 1. is June 30, 2012.

^{2.} Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest

^{3.}Realized gains / (losses) are shown on an amortized cost basis

Important Disclosures

This material is based on information obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management LLC cannot guarantee the accuracy, completeness, or suitability of information provided by third party sources. This material is for general information purposes only and is not intended to provide specific advice or a specific recommendation. All statements as to what will or may happen under certain circumstances are based on assumptions, some, but not all of which, are noted in the presentation. Assumptions may or may not be proven correct as actual events occur, and results may depend on events outside of your or our control. Changes in assumptions may have a material effect on results. Past performance does not necessarily reflect and is not a guaranty of future results. The information contained in this presentation is not an offer to purchase or sell any securities.

- Market values that include accrued interest are derived from closing bid prices as of the last business day of the month as supplied by Refinitiv or Bloomberg. Where prices are not available from generally recognized sources, the securities are priced using a yield-based matrix system to arrive at an estimated market value.
- In accordance with generally accepted accounting principles, information is presented on a trade date basis; forward settling purchases are included in the monthly balances, and forward settling sales are excluded.
- Performance is presented in accordance with the CFA Institute's Global Investment Performance Standards (GIPS). Unless otherwise noted, performance is shown gross of fees. Quarterly returns are presented on an unannualized basis. Returns for periods greater than one year are presented on an annualized basis. Past performance is not indicative of future returns.
- Bank of America/Merrill Lynch Indices provided by Bloomberg Financial Markets.
- Money market fund/cash balances are included in performance and duration computations.
- Standard & Poor's is the source of the credit ratings. Distribution of credit rating is exclusive of money market fund/LGIP holdings.
- Callable securities in the portfolio are included in the maturity distribution analysis to their stated maturity date, although, they may be called prior to maturity.
- MBS maturities are represented by expected average life.

Glossary

- Accrued Interest: Interest that is due on a bond or other fixed income security since the last interest payment was made.
- Agencies: Federal agency securities and/or Government-sponsored enterprises.
- Amortized Cost: The original cost of the principal of the security is adjusted for the amount of the periodic reduction of any discount or premium from the purchase date until the date of the report. Discount or premium with respect to short-term securities (those with less than one year to maturity at time of issuance) is amortized on a straight line basis. Such discount or premium with respect to longer-term securities is amortized using the constant yield basis.
- Asset-Backed Security: A financial instrument collateralized by an underlying pool of assets usually ones that generate a cash flow from debt, such as loans, leases, credit card balances, and receivables.
- Bankers' Acceptance: A draft or bill or exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill as well as the insurer.
- Commercial Paper: An unsecured obligation issued by a corporation or bank to finance its short-term credit needs, such as accounts receivable and inventory.
- Contribution to Total Return: The weight of each individual security multiplied by its return, then summed for each sector to determine how much each sector added or subtracted from the overall portfolio performance.
- Effective Duration: A measure of the sensitivity of a security's price to a change in interest rates, stated in years.
- Effective Yield: The total yield an investor receives in relation to the nominal yield or coupon of a bond. Effective yield takes into account the power of compounding on investment returns, while nominal yield does not.
- FDIC: Federal Deposit Insurance Corporation. A federal agency that insures bank deposits to a specified amount.
- Interest Rate: Interest per year divided by principal amount and expressed as a percentage.
- Market Value: The value that would be received or paid for an investment in an orderly transaction between market participants at the measurement date.
- Maturity: The date upon which the principal or stated value of an investment becomes due and payable.
- Negotiable Certificates of Deposit: A CD with a very large denomination, usually \$1 million or more, that can be traded in secondary markets.
- Par Value: The nominal dollar face amount of a security.
- Pass-through Security: A security representing pooled debt obligations that passes income from debtors to its shareholders. The most common type is the mortgage-backed security.

Glossary

- Repurchase Agreements: A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date.
- Settle Date: The date on which the transaction is settled and monies/securities are exchanged. If the settle date of the transaction (i.e., coupon payments and maturity proceeds) occurs on a non-business day, the funds are exchanged on the next business day.
- Supranational: A multinational union or association in which member countries cede authority and sovereignty on at least some internal matters to the group, whose decisions are binding on its members.
- Trade Date: The date on which the transaction occurred; however, the final consummation of the security transaction and payment has not yet taken place.
- Unsettled Trade: A trade which has been executed; however, the final consummation of the security transaction and payment has not yet taken place.
- U.S. Treasury: The department of the U.S. government that issues Treasury securities.
- Yield: The rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.
- YTM at Cost: The yield to maturity at cost is the expected rate of return based on the original cost, the annual interest receipts, maturity value, and the time period from purchase date to maturity, stated as a percentage on an annualized basis.
- YTM at Market: The yield to maturity at market is the rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.



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 the portfolio update report from PFM.



Discussion Item 4.2 (Pg. 37)

Kristeen Farlow, MPA – Strategic Communications Manager

Discuss State and Federal Legislative Update

Staff Recommendation

Receive and file.



State Legislative Update

- Jan. 3: Legislature returns
- Jan. 10: Governor's budget due
- •Feb. 18: last day to introduce bills
- •May 27: last day for bills to pass out of their house of origin





- Proposed Initiative: Water Infrastructure Funding Act of 2022
- Redistricting





Bills of Interest

TWO-YEAR BILLS

- AB 284 (Rivas): California Global Warming Solutions Act of 2006: climate goal: natural and working lands.
- <u>AB 377 (Rivas)</u>: Water quality: impaired waters.
- AB 564 (Gonzalez): Biodiversity Protection and Restoration Act.

- AB 1500 (E. Garcia): Safe Drinking Water,
 Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022.
- SB 45 (Portantino): Wildfire Prevention, Safe
 Drinking Water, Drought Preparation, and Flood
 Protection Bond Act of 2022.
- SB 559 (Hurtado): Department of Water Resources: water conveyance systems: Water Conveyance Restoration Fund.



Federal Legislative Update

THE INFRASTRUCTURE INVESTMENT & JOBS ACT

- Passed by the House of Representatives- Nov. 7
- Signed by the President on Nov. 15
- •\$1.2 trillion package, including
 - •\$8.3 billion for Reclamation
 - •\$9.5 billion for the Army Corps
 - •\$55 billion for clean drinking water
 - •\$3.3 billion for wildfire reduction





APPROPRIATIONS

- Conversations have not been productive
- On-hold until March 2022
- •Anticipate Continuing Resolution to fund the government after December 3
- Legislators face a "December cliff:"
 - Government funding deadline
 - Debt ceiling crisis
 - Expiration of highway funding

EPA STRATEGY TO ADDRESS PFAS

Research – Restrict – Broaden

- Research PFAS
- Restrict its release into the air, land and water
- Broaden cleanup efforts



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. 71)

Adekunle Ojo – Manager of Water Resources

Shavonne Turner – Water Conservation Program Manager

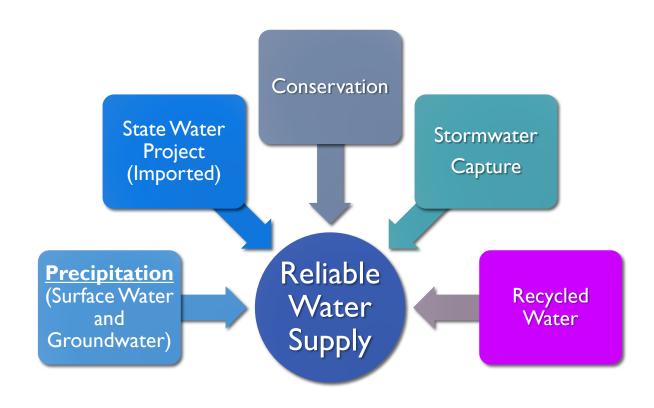
Consider Expanding the Local Resources Investment Program (LRIP) to Water Conservation and Other Demand Management Programs

Staff Recommendation

Consider the proposed new approach and provide feedback to staff



Water Supply Reliability through Planning and Investment











Total: \$756/AF

Recycled Water: 16,600 AFY

- I. Sterling Natural Resources Center: I 1,000 AFY
- 2. Clean Water Factory: 5,600 AFY

Stormwater Capture: 10,300 AF Total

Wilson Basin III

Conservation/Demand Reduction: Currently not covered by LRIP; potential to generate 15,000-40,000 AFY of conserved water

- I. Allocation Based-Pricing
- 2. Smart Metering
- 3. Customer Engagement
- 4. Demand Management using SCADA, MIS, and CIS
- 5. Non-Revenue Water Reduction
- Rebates for Water Savings, etc.

Challenges and Opportunities

- Variable hydrology more drought years and flood years per average year than any other state (UC Davis)
- Making Conservation a California Way of Life
- I5% Reduction Challenge by the Governor
- Prolonged and More Intense Drought
- Warmer Temperatures
- Lower Runoff from Snowpack
- Ecosystem Water Needs
- Need for new water supply infrastructure
- Better management of existing water supply
- Multiple approaches some smaller, some larger

Strategic Priorities

our *Priorities*ARE TO DELIVER
SOLUTIONS
THAT ARE...



RESILIENT.

Resilient to seismic conditions, drought, population growth and climate change.



RESTORATIVE.

seismic Reduce carbon drought, footprint and recover growth and environmental health.



SCIENCE BASED.

Built from reliable regional data shared among all partners.



COST-EFFECTIVE.

Optimize operational efficiency and maximize benefits from ratepayer investments.



INTEGRATED.

Holistically optimize value to the region.

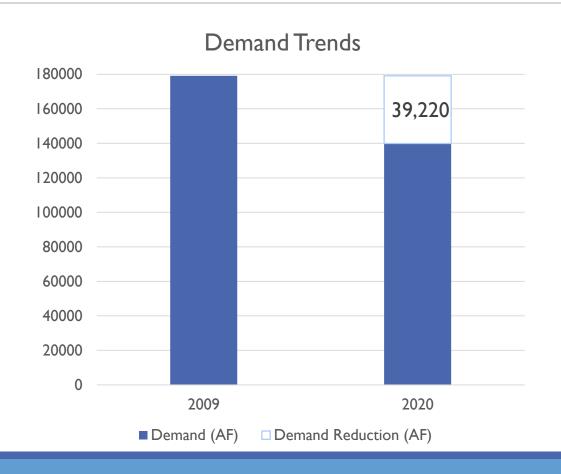
Securing
Our
Imported
Supplies

Building Local Supplies

Building Climate Resilience Cost Effective Reliability

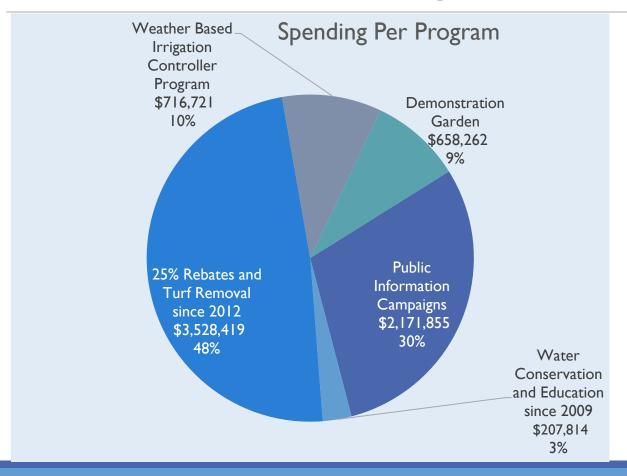


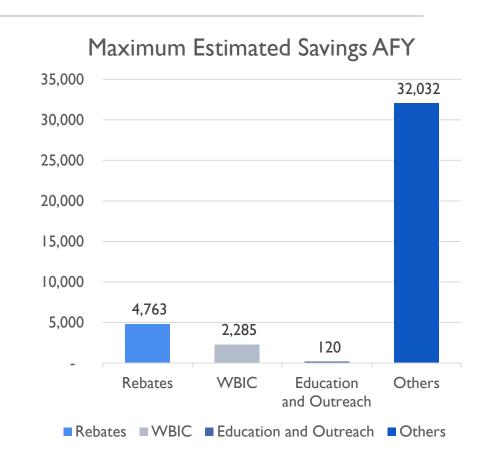
Demand Reduction/Conservation



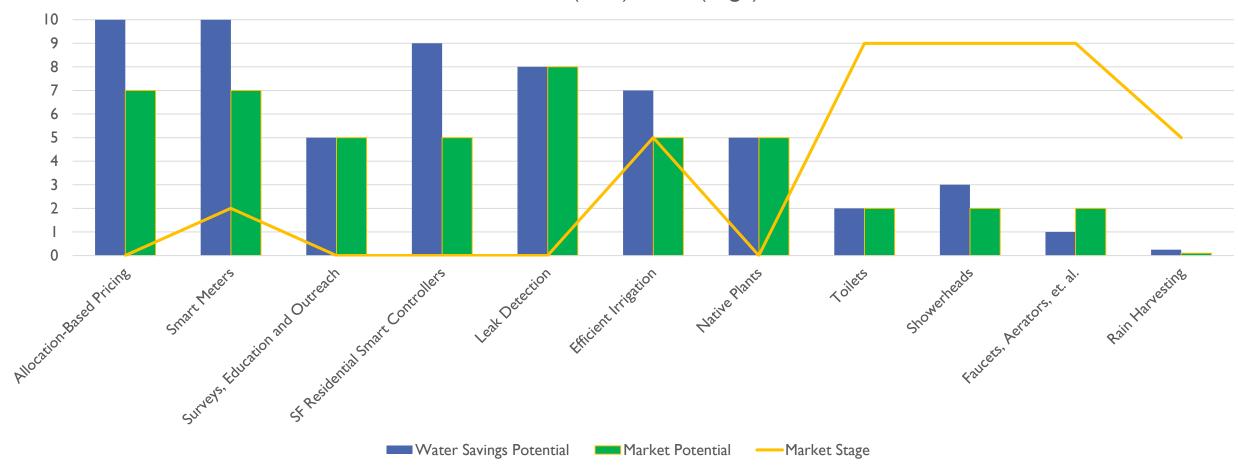


Measurable Savings





From I (Low) to I0 (High)



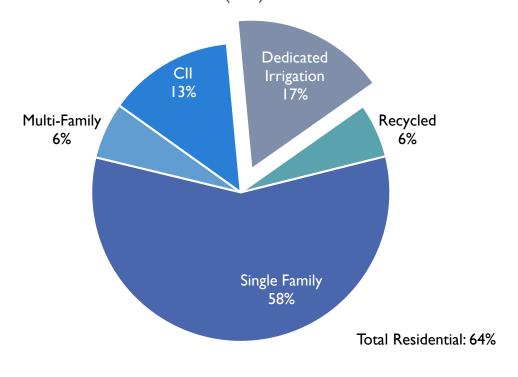


Outdoor Water Use, Prime Opportunity for Savings

Single Family

Multi-Family

Outdoor Use (AF) ~73,000 AFY



CII

Dedicated Irrigation

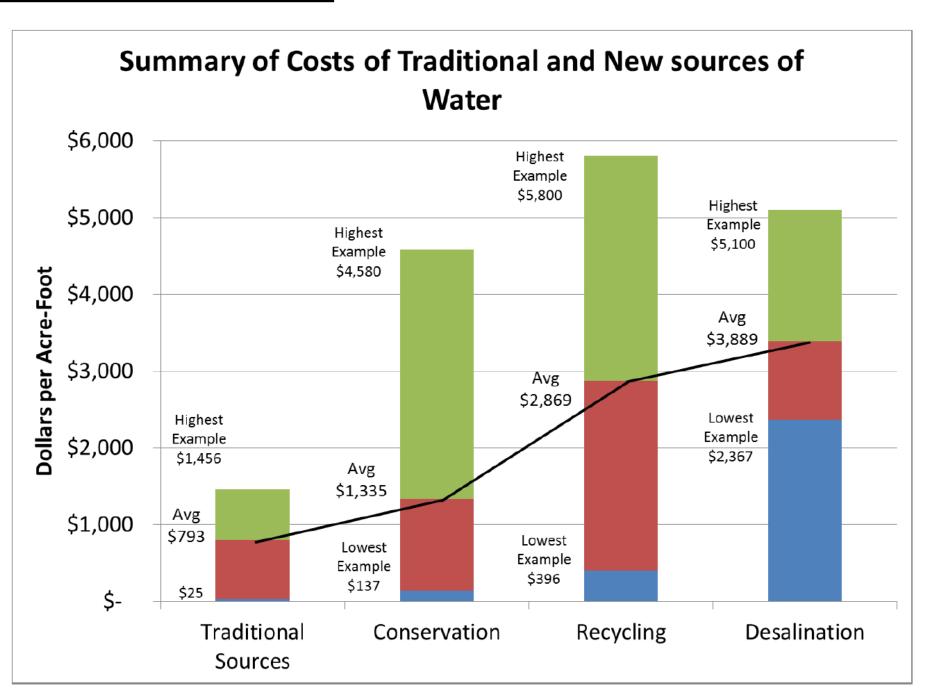
Recycled

Estimated Amount of Water that can be saved if irrigation is turned off 48 hours after measurable rain:

Avg. Daily Irrigation Demand (200 AF) x 30 Rainy Days x 50% of Customers

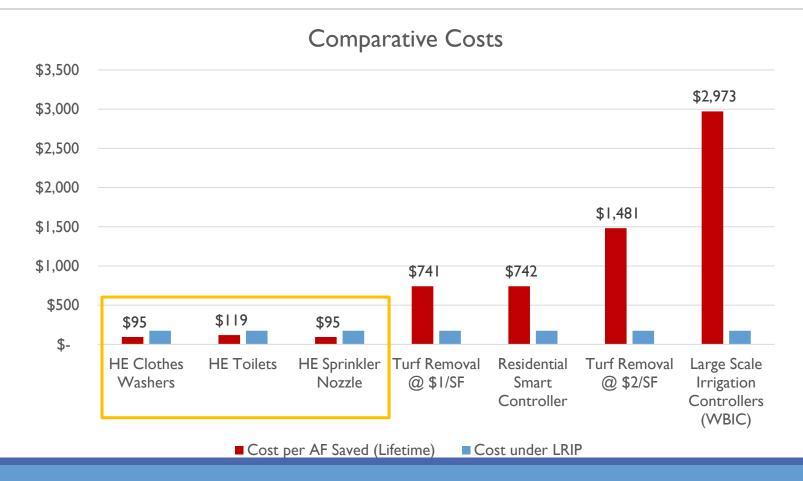
3,000 AFY

Established plants can wait for a whole week or more without water after a rain





Costs per AF under Current Programs v. LRIP (\$179/AF)





Consider Investing in Water Conservation and Other Demand Management Programs through Local Resources Investment Program (LRIP)

- REGION HAS ACHIEVED PREVIOUS CONSERVATION OBJECTIVES AND IS RAMPING UP EFFORTS TO HELP RETAIL AGENCIES MEET NEW STATE WATER USE EFFICIENCY STANDARDS
- ADDITIONAL EFFORTS NEEDED TO ACHIEVE POSITIVE RESULTS IN A COST-EFFECTIVE MANNER
- FUND PROGRAMS WITH MEASURABLE SAVINGS THROUGH LRIP AND DECOUPLE THEM FROM HARD-TO-MEASURE PROGRAMS

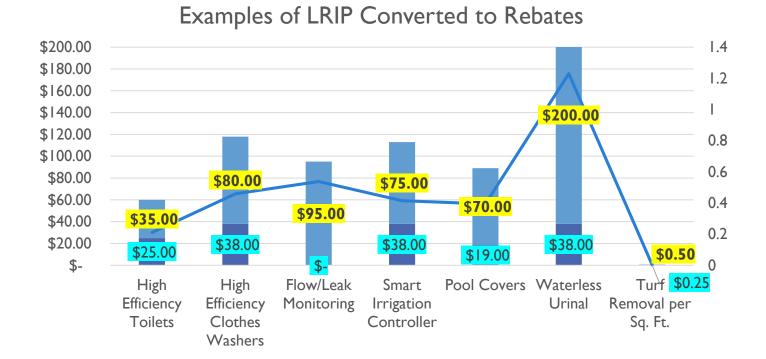


Current



Investing in End Users through LRIP 2022-2027

Lifetime Water Savings Factor (AF)



Proposed

Retail Agency Administered Multi-Benefit Program (RAAMP): Rebates for water-efficient devices like toilets, smart irrigation controllers, and turf replacement for customers directly or indirectly through retailers; will replace the 25% reimbursement

- Retail agencies do not have to add to the Valley District incentive or can add selectively
- Staff is exploring a regional rebate website that can allow end-use customers in our service area to directly apply for these rebates in case a retail agency still choose not to offer rebates
- A combination of a regional website and increased incentive will increase participation and water savings





Investing in Retailers through LRIP 2022-2025

Demand Management Incentive: Provide a fixed, annual allowance available to each retail agency within Valley District to spend on demand management improvement projects; Valley District approval still required for approval of 50% of actual expenditures

Funding can be used for the following:

- Non-revenue water reduction
- •Allocation-based pricing and budget-based programs
- •Tools and technologies including smart meters, GIS, customer information system, California Data Collaborative, etc.
- •Education, outreach, and special events
- Pilot Projects
- •Funding match for conservation-related federal and state grants
- **Stacked incentives and programs** targeted at low-income/disadvantaged communities, property and facilities managers, homeowner associations, and parcels with excessive water use, AND MORE

Sample of how \$500,000 allowance can be allocated; Valley District will pay 50% of an agency's eligible cost up to the agency's allowance

Performance Measure: Conserved Water

	Avg. of SBVMWD		
	Population,	Proposed	
	Connections,	tions, Annual	
Agency	and Water Use	Allowance	
San Bernardino Municipal Water Department	29%	\$ 145,000	
West Valley Water District	14%	\$ 70,000	
East Valley Water District	14%	\$ 70,000	
City of Redlands Municipal Utilities	12%	\$ 60,000	
Yucaipa Valley Water District	8%	\$ 40,000	
City of Rialto Water Utility	8%	\$ 40,000	
City of Colton Water Utility	7%	\$ 35,000	
City of Loma Linda Water Utility	3%	\$ 15,000	
Riverside Highland Water Company	3%	\$ 15,000	
Others	2%	\$ 10,000	
TOTAL	100%	\$ 500,000	



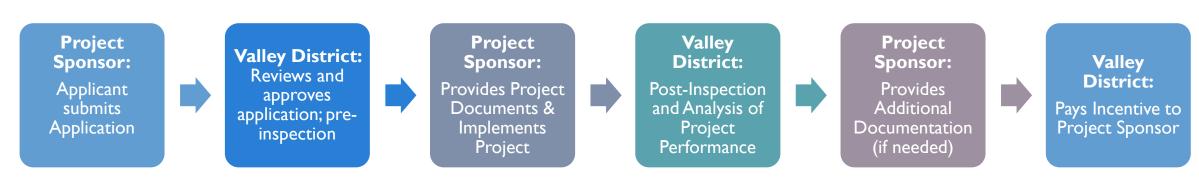


Watershed-Scale Investment (2022-2030)

Watershed Investment for Sustainability, Equity and Resilience (WISER)

Pay for Performance Incentive for up to 10 Years; replace the Weather Based Irrigation Controller (WBIC) Program

- Pay project applicants for custom projects that can save water
- Improve water efficiency through upgraded equipment and services
- Eligible projects must save at least 10 acre-feet over total project useful life (up to 10 years)
- Eligible applicants will include retail agencies, colleges and school districts, cities, large landscapes, HOA's, apartment operators, etc.
- Eligible projects will include equipment-type solutions and water service management-type projects
- Similar to MWDSC's Water Savings Incentive Program
- Phased Payment

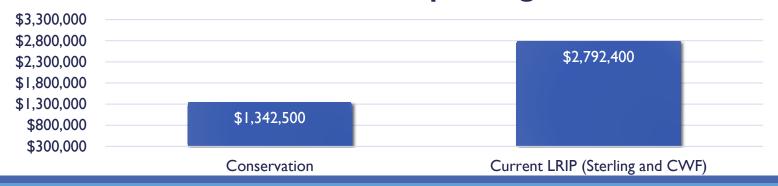




Summary and Potential Fiscal Impact

Program	Beneficiary	Existing Annual Budget	Proposed Annual Budget	Water Savings (AFY) from Proposed Budget
RAAMP (2022-27)	End-use customers	\$300,000	\$500,000	2,793
DMI (2022-25)	Retail Agencies	\$300,000	\$500,000	3,000
WISER (2022-2030)	Large Water Users, Retail Agencies, Cities, Schools, HOAs, etc.	\$300,000	\$300,000	1,675
TOTAL		\$900,000	\$1,300,000	~7,500

Estimated Annual LRIP Spending at \$179/AF





Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



T. Milford
Harrison
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

Consider the proposed new approach and provide feedback to staff.



Discussion Item 4.4 (Pg. 90)

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

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

Staff Recommendation

Forward the Third Amendment to the Reimbursement Agreement with EVWD for construction of the Regional Recycled Water Facilities to the next regular Board of Directors meeting for consideration.



History of Development of Recycled Water

2016: Regional Recycled Water Concept Study

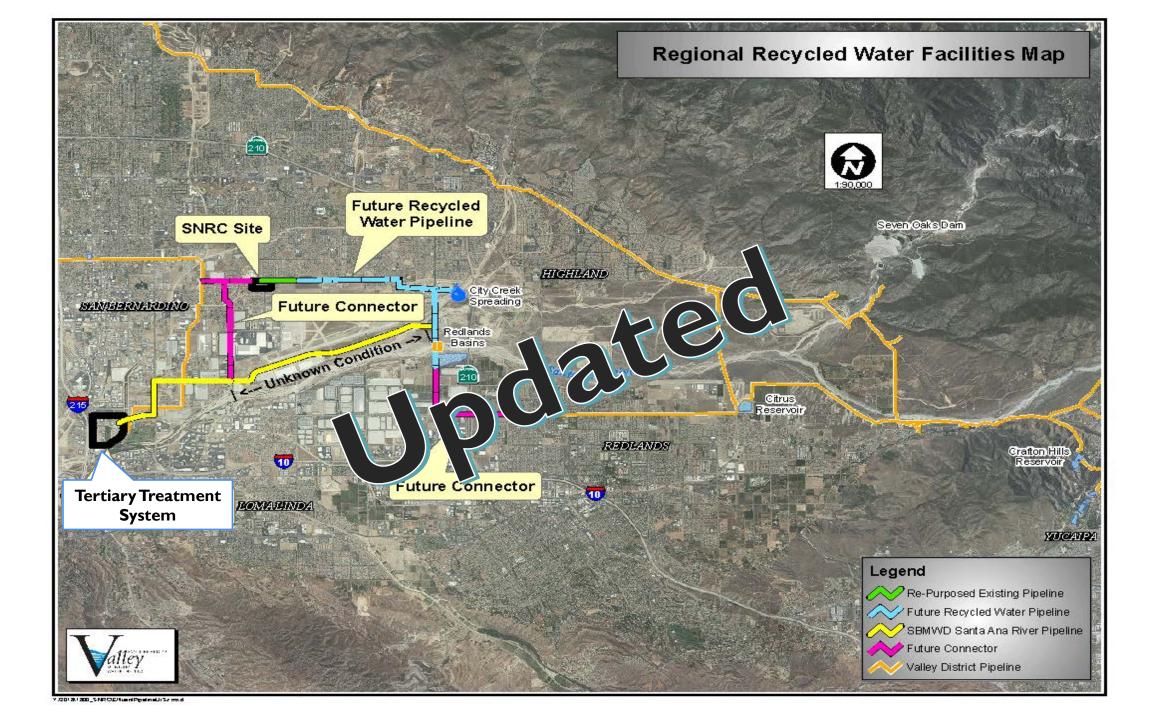
- Projects Identified to be further developed:
 - EVWD's Sterling Natural Resource Center (SNRC)
 - SBMWD's Tertiary Treatment System (TTS), formerly Clean Water Factory
- Development of Regional Recycled Water Infrastructure
 - Continue Valley District's leadership role as a regional water agency
 - Led by Valley District

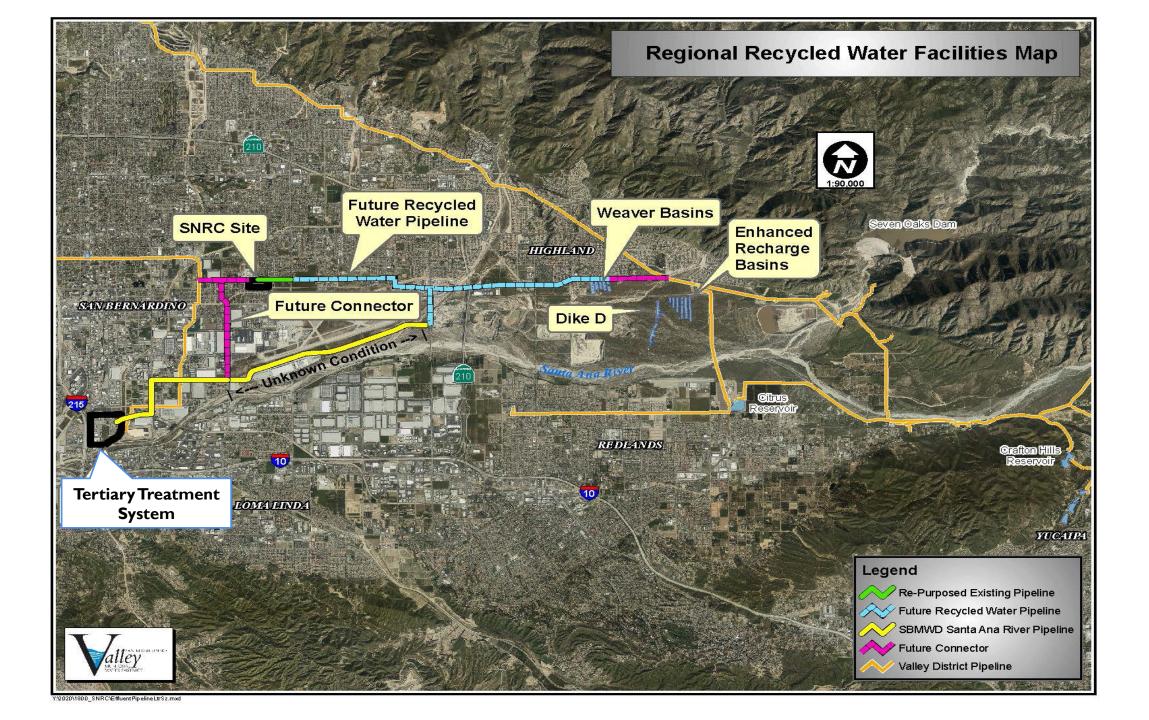
2018: Local Resources Investment Program (LRIP)

- Incentives provided for development of new water supplies
 - Recycled water and stormwater











Development and Implementation of RRWS

Phase I (being implemented)

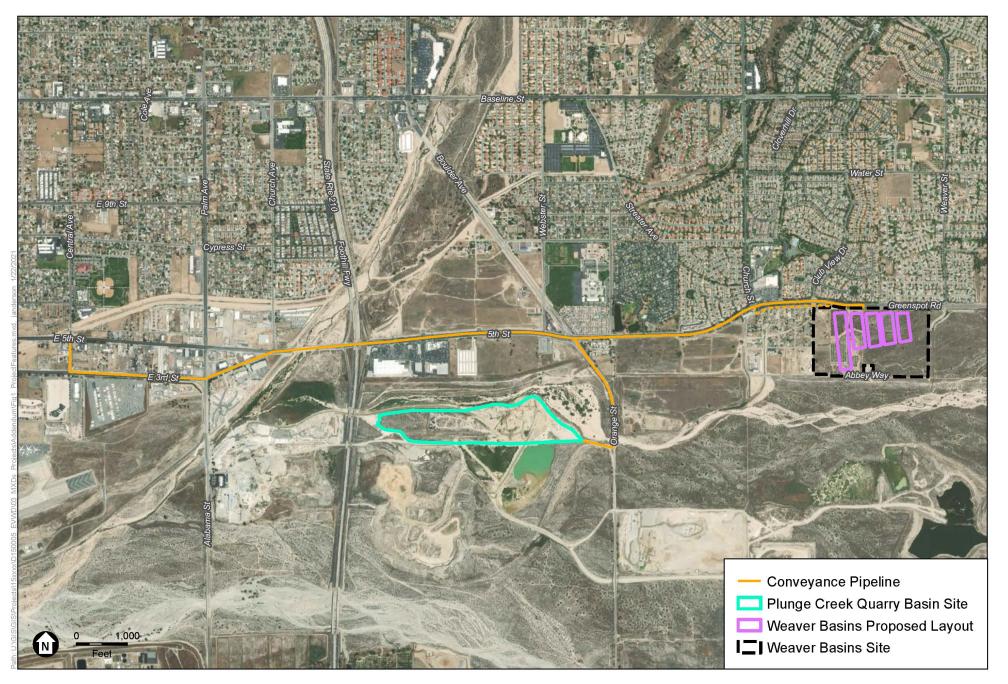
- Regional RecycledWater Pipeline (RRWP)
 - West of Alabama St Construction substantially completed (Reimbursement Agreement, Amendment No. I)
 - East of Alabama St Design Complete pending review by Caltrans and City (Amend. No. 2)
- Weaver Basins
 - Design Complete (Amend. No. 2)
 - Construction pending approvals from State (SHPO) and USFWS
- Alabama Street Pipeline
 - Table-top research of PCCP complete (Amend. No. 2)
 - ConditionAssessment in progress (Amend. No. 2)

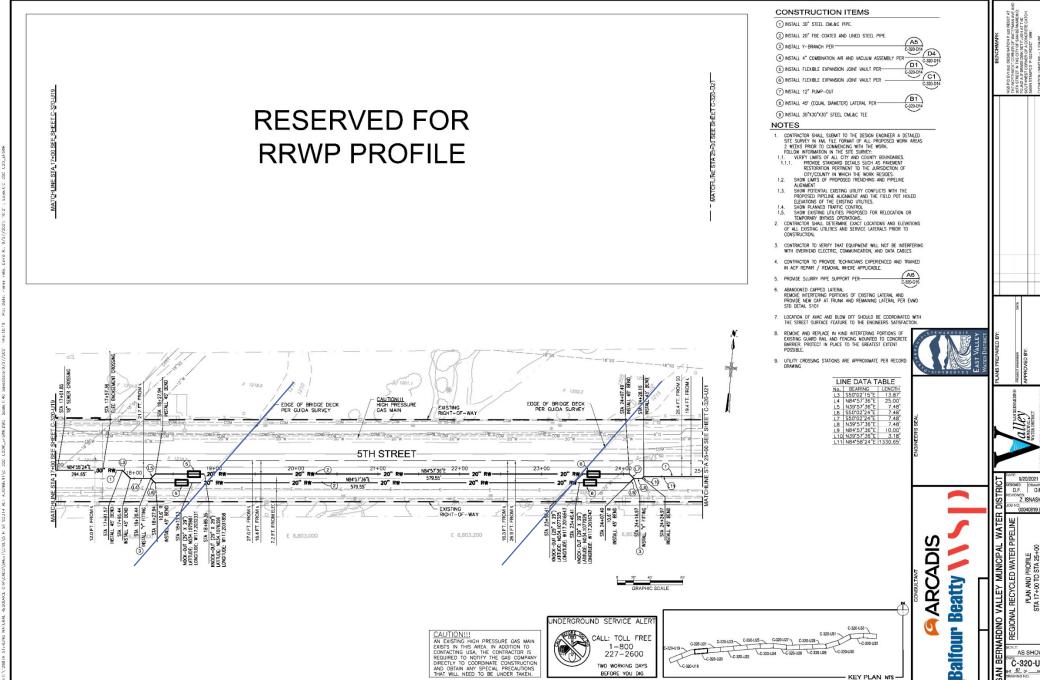
Phase II (Concept)

- Extension of RRWP easterly
- Dike D and Enhanced Recharge Basins



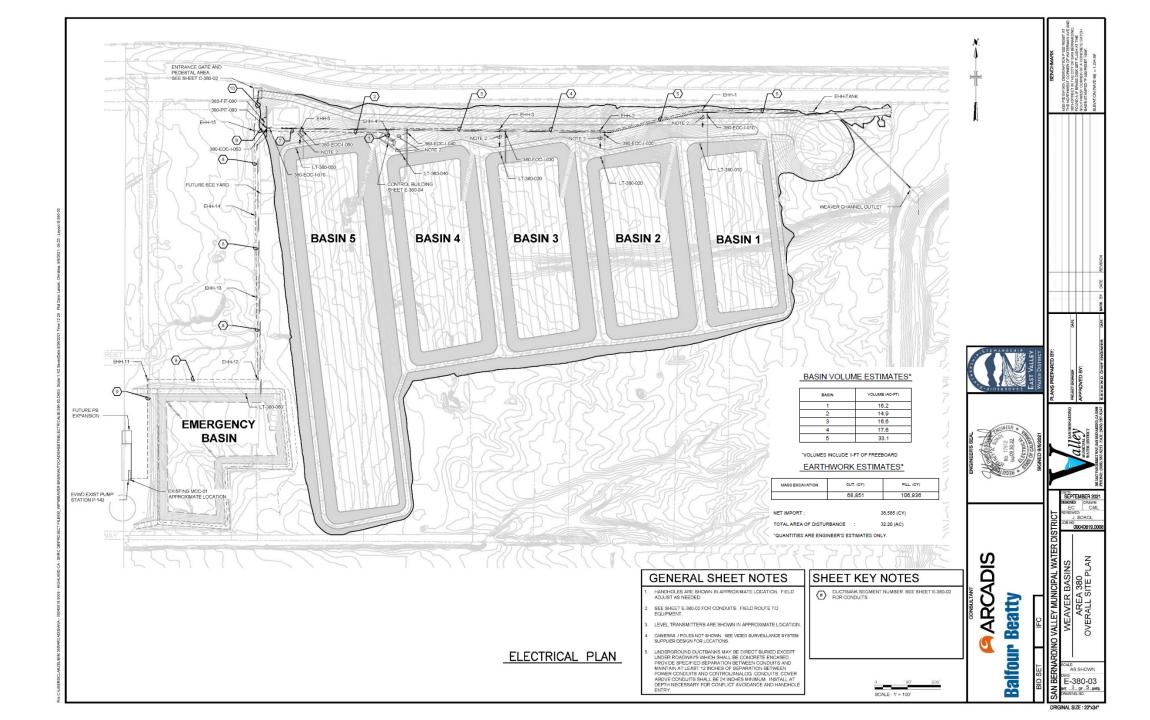






D.F. D.F. Z. ISNASIOU

AS SHOW ື້C-320-U20



RUN DATE: 04-Nov-21 Balfour Beatty - SNRC Water Recycling Facility Schedule - September 2021 **Balfour Beatty** SNRC - UP33 17:20 DATA DATE: 01-Oct-21 Activity ID Activity Name Calendar p Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Ma Balfour Beatty - SNRC Water Recycling Facility Schedule - September 2021 Construction Offsite Structures & Piping Effluent Piping Construction Phase Pipe Line & Construction of Weaver Basin RWP-C-7000 Weaver Basin Procurement 11 75% 01-Jun-21 A 18-Oct-21 -181 5 DAY WORKWEEK + holidays RWP-C-7040 102 -104 5 DAY WORKWEEK + holidays RRWP Extension - Package 3 Freeway Crossing 0% 22-Oct-21* 23-Mar-22 RWP-C-7020 RRWP Extension - Package 1 West of 210 -141 5 DAY WORKWEEK + holidays 122 122 0% 22-Oct-21 20-Apr-22 RWP-C-7030 RRWP Extension - Package 2 East of 210 183 0% 22-Oct-21* 18-Jul-22 -202 5 DAY WORKWEEK + holidays Weaver Basin Fragnet RWP-C-7050 Mobilization 0% 01-Dec-21* 06-Dec-21 -209 WEAVER BASIN CAL RWP-C-7060 Develop Water to Site 0% 03-Dec-21 06-Dec-21 -209 WEAVER BASIN CAL RWP-C-7070 Clearing / Demo (Work From West to East) 14 0% 07-Dec-21 23-Dec-21 -209 WEAVER BASIN CAL 27-Dec-21 RWP-C-7080 0% 16-Dec-21 -209 WEAVER BASIN CAL Pre-Water RWP-C-7090 OX & Cut / Fill Soil (Work From Basin 1 to 5) 27 0% 28-Dec-21 02-Feb-22 -209 WEAVER BASIN CAL -136 WEAVER BASIN CAL RWP-C-7100 Stockpile Oversized 27 27 0% 28-Dec-21 02-Feb-22 RWP-C-7125 Ė Import 10 0% 26-Jan-22 07-Feb-22 -209 WEAVER BASIN CAL Excavate Emer Basin -208 RWP-C-7120 0% 03-Feb-22 12-Feb-22 WEAVER BASIN CAL RWP-C-7130 16-Feb-22 -208 WEAVER BASIN CAL Excavate Pump Struct 0% 14-Feb-22 RWP-C-7110 Process / Crush Oversized 27 27 0% 15-Jan-22 18-Feb-22 -136 WEAVER BASIN CAL RWP-C-7140 Place Crushed Material 20 0% 08-Feb-22 04-Mar-22 -209 WEAVER BASIN CAL RWP-C-7150 Rough Grades Basins 17 0% 18-Feb-22 12-Mar-22 -209 WEAVER BASIN CAL RWP-C-7160 RG Pump / Forbay Pad 0% 14-Mar-22 15-Mar-22 -152 WEAVER BASIN CAL RWP-C-7190 FG Emer Basin for PCC (Precise Grading Work) 10 0% 14-Mar-22 25-Mar-22 -209 WEAVER BASIN CAL -152 WEAVER BASIN CAL RWP-C-7170 Finish Grade Basins / Ramps (Precise Grading Work) 24 14-Apr-22 0% 16-Mar-22 RWP-C-7180 Finish Grade Roadways (Precise Grading Work) 0% 09-Apr-22 19-Apr-22 -152 WEAVER BASIN CAL RWP-C-7195 Install Rip Rap 0% 09-Apr-22 19-Apr-22 -152 WEAVER BASIN CAL Backfill Pump Perimeter (Backfill Perimeter of Pump Bldg Estimated at 12') -152 RWP-C-7200 0% 20-Apr-22 22-Apr-22 WEAVER BASIN CAL RWP-C-7240 -177 5 DAY WORKWEEK + holidays Weaver Basin Mechanical 60 0% 18-Feb-22 13-May-22 RWP-C-7245 Weaver Basin Structural 61 61 0% 28-Mar-22 21-Jun-22 -202 5 DAY WORKWEEK + holidays RWP-C-7250 Weaver Basin Electrical 90 0% 28-Mar-22 02-Aug-22 -202 5 DAY WORKWEEK + holidays Critical Remaining Work TASK filter: LOOKING FOR - WBS. Remaining Level of Effort Page 1 of 1 Actual Work ♦ Milestone Remaining Work



Constr. Cost - RRWP and Weaver Basins

SUMMARY OF COSTS			
			Direct Costs
New Discharge Basin, Weaver Site		\$	15,782,788
Extend Pipeline to New Weaver Basin		\$	13,172,239
Subtotal Direct Costs			28,955,027
Bond	1%	\$	330,869
Markup	10%	\$	3,040,989
Insurances	LSUM	\$	1,123,995
Owner Control Contingency	10%	\$	3,345,088
Subtotal Indirect Costs & Contingency		\$	7,840,941
Geotechnical Costs during Construction		\$	474,730
Total Project Cost			37,638,658

Based on 10 MGD a day recharge for 50 years (expected service life) with the cost of all Phase I facilities and land acquisition at \$62M, the average facility cost of recharge of the recycled water per ac-ft is approx. \$110/AF.



Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



Harrison
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

Forward the Third Amendment to the Reimbursement Agreement with EVWD for construction of the Regional Recycled Water Facilities to the next regular Board of Directors meeting for consideration.



Future Business



Adjournment