BOARD OF DIRECTORS SAN BENITO COUNTY WATER DISTRICT

Agenda For October 25, 2023

Regular Meeting – 5:00 p.m. 30 Mansfield Road – Hollister, California 95023

Assistance for those with disabilities:

If you have a disability and need accommodation to participate in the meeting, please call Barbara Mauro, Board Clerk, at (831) 637-8218, 48 hours prior to meeting for assistance so the necessary arrangements can be made.

Effective at the April 27, 2022, The Board of Directors is now allowing the public to attend in person at all meetings of the San Benito County Water District Board. We will also continue to offer the meeting via Zoom as well. Regarding virtual participation, members of the public are instructed to be on mute during the proceedings and to speak only when public comment is allowed, after requesting and receiving recognition from the Board President.

ZOOM LINK

https://us06web.zoom.us/j/88068509448?pwd=uPBP42Nf7fr5ymVtYsUTIDOM4BVaeJ.1

Meeting ID

880 6850 9448

Passcode:

421652

Dial Only:

Dial by your location

• +1 669 444 9171 US

• +1 346 248 7799 US (Houston)

• +1 719 359 4580 US

• +1 720 707 2699 US (Denver)

• +1 253 205 0468 US

• +1 253 215 8782 US (Tacoma)

If you plan to participate in the meeting and need assistance, please call Barbara Mauro, Board Clerk, at (831) 637-8218, 48 hours prior to meeting.

CALL TO ORDER

- a. Pledge of Allegiance to the Flag
- b. Roll Call
- c. Speakers will be limited to 5 minutes to address the Board; rebuttal will be limited to 3 minutes; no new business agenda items will be heard after 8:00 p.m.
- d. Approval of Agenda
- e. Public Input: Members of the Public are Invited to Speak on any Matter not on the Agenda

CONSENT AGENDA:

(Consent items shall be considered as a whole and without discussion unless a particular item is removed from the consent agenda. Board member may discuss individual items or seek information from staff or legal counsel without removing the item from the Consent Agenda. A member of the public should seek recognition by the President if comment is desired. Approval of consent items shall be made by one motion.)

1. Approval of Minutes for: September 20, 2023 Regular Meeting October 4, 2023 Special Meeting

- 2. Allowance of Claims
- 3. Acknowledgement of Paid Claims prior to the October Board Meeting
- 4. Acceptance of Quarterly Investment Report, September 30, 2023
- 5. On Call Contracts Status Updates

REGULAR AGENDA

- 6. Discuss and Consider Approval of San Benito Urban Areas Water Supply and Treatment Master Plan Update
- 7. Discuss and Consider Entering into a San Luis & Delta-Mendota Water Authority Activity Agreement for North to South Water Transfers and Authorize the General Manager to Execute such Agreement
- 8. Authorize the Purchase of a Dump Truck from Pape/Kenworth in the Amount of \$170,625.35
- 9. Discuss and Consider Approval of a Resolution Authorizing the Submittal of a Grant Application to the United States Bureau of Reclamation (USBR) for the Accelerated Drought Response Project (ADRoP)
- 10. Committee/Agency Representative Reports:
 - a. San Luis and Delta-Mendota Water Authority (Tonascia/Wittry)
 - b. Pajaro River Watershed Flood Prevention Authority (Flores/Shelton)
 - c. Water Resources Association (Flores/Shelton)
 - d. Urban Area Water and Wastewater Master Plan Governance Committee (Flores/Shelton)
 - e. Administration Committee (Flores/Shelton)
 - f. Investment Committee (Flores/Williams)
 - g. Personnel Committee (Flores/Tonascia)

- h. Zone 3 Water Supply & Operations Committee (Tonascia/Williams)
- i. Zone 6 Water Supply & Operations Committee (Tonascia/Williams)
- 11. Monthly Operations and Maintenance Report
- 12. General Manager's Report:
 - a) General Comments
 - b) Reach 1 Operations
 - c) Zone 3 Operations
 - d) Zone 6 Operations
 - e) Accelerated Drought Response Project (ADRoP)
 - f) San Luis and Delta-Mendota Water Authority Activities
 - g) Pacheco Reservoir Expansion Project
 - h) City of San Juan Bautista Water Supply Plan

13. Adjournment

Adjournment - Unless there is a special meeting prior to that time, the next regular meeting of the Board will be Wednesday, November 29, 2023. Meetings are held at the District office, 30 Mansfield Road, Hollister, California. LAST DAY TO FILE CLAIMS against the District is the second Friday of each month, except in November and December. Usually meeting dates change in those months because of holidays. The Board may hold a closed session to discuss personnel matters, litigation or employee negotiations as authorized by the Ralph M. Brown Act, Evidence Code #950-962 or other appropriate State law.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 30 Mansfield Road, Hollister, California.

September 20, 2023 Regular Meeting 5:00 p.m.

The Board of Directors of the San Benito County Water District convened in regular session on Wednesday, September 20, 2023 at 5:00 p.m. at the San Benito County Water District office at 30 Mansfield Road, Hollister, California. Members present were: President Sonny Flores, Vice President Andrew Shelton and Directors Joe Tonascia, Doug Williams and Mark Wright. Also present were General Manager Steve Wittry, District Counsel Jeremy T. Liem, Manager of Administration, Finance and Business Services Joyce Machado, Deputy District Engineer Rob Hillebrecht, Senior Engineer David Macdonald, Operations and Maintenance Manager Michael Craig, Water Conservation Program Manager Shawn Novack and Executive Assistant/Board Clerk Barbara Mauro.

CALL TO ORDER

President Flores called the meeting to order at 5:00 p.m.

- a. Pledge of Allegiance to the Flag
 - President Flores led the Pledge of Allegiance.
- b. Roll Call

Mrs. Mauro called roll; members present were: President Flores, Vice President Shelton and Directors Tonascia, Williams and Wright.

- c. Speakers will be limited to 5 minutes to address the Board; rebuttal will be limited to 3 minutes; no new business agenda items will be heard after 8:00 p.m.
- d. Approval of Agenda

President Flores stated there needed to be an addition to the agenda, reporting out from Closed Session, just prior to Adjournment. Noting this change, a motion was made by Vice President Shelton and a second was made by Director Williams; the agenda was approved with 5 affirmative votes Flores, Shelton, Tonascia, Williams and Wright.

e. Public Input: Members of the Public are Invited to Speak on any Matter not on the Agenda

CONSENT AGENDA:

- 1. Approval of Minutes for: August 30, 2023 Regular Meeting
- 2. Allowance of Claims
- 3. Acknowledgement of Paid Claims prior to the September Board Meeting
- 4. On Call Contracts Status Updates

With a motion by Director Williams and a second by Director Wright, the Board of Directors approved the Consent Agenda with 5 affirmative votes Flores, Shelton, Tonascia, Williams and Wright.

REGULAR AGENDA

5. Consider Authorizing Director Attendance at the 2023 ACWA/JPIA's Board of Directors' Meeting on November 27, 2023, Indian Wells, California

Mrs. Mauro stated for this item, the District has budgeted for our ACWA/JPIA representative to attend the meeting. Our representative should let Mrs. Mauro know if they plan to attend so she can make the necessary arrangements.

6. Consider Authorizing the District Manager (or his Designee) and Director Attendance at the 2023 ACWA Fall Conference, Indian Wells, California, November 28 – 30, 2023

Mrs. Mauro stated this item has been budgeted for two directors plus the manager (or his designee) to attend this conference. Please contact Mrs. Mauro if you wish to attend so she can register you for the conference and make hotel reservations.

7. Committee/Agency Representative Reports:

a. San Luis and Delta-Mendota Water Authority (Tonascia/Wittry)

Director Tonascia stated it was a short meeting, mostly discussing the transfer contract.

b. Administration Committee (Flores/Shelton)

As per Directors Flores and Shelton, the committee reviewed the contract for Lidia Gutierrez for Grant Administration which will be considered at the special meeting in October.

8. Monthly Operations and Maintenance Report

Mr. Craig showed several photos of Hernandez Reservoir. He discussed the issue staff was having closing the valve. He also stated they would be doing maintenance work on the spillway in October. Discussion ensued on why it was open and that it wasn't safe currently to have staff or a diver work on it right now. Also discussed was the delay in receiving the part needed for the repair of the valve; they took over nine months to receive.

9. General Manager's Report

a) General Comments

Mr. Wittry reported ACWA has asked its members for a letter of support for AB 1594, which provides exemptions for the proposed zero emission regulations for emergency/specialized equipment. ACWA would like to receive the letter by the end of the week.

Regarding the District's dump truck, Mr. Wittry reported staff is in the process of getting quotes and intends to bring this item to the October board meeting.

Regarding water well levels, Todd Groundwater has begun its work for our report for SGMA due in April 2024. Mr. Wittry stated he would like to know if there are specific areas the Board would like the consultant to highlight.

Mr. Wittry reported there will be three items on the Special Meeting agenda on October 4th; the contract for the Borehole project and two items for the Integrated Regional Water Management (IRWM) Grant. One will be a contract with Gutierrez Consultants for Grant Administration and the other will be updating our resolution to the Department of Water Resources stating the District will be the

Grant Administrator for our grant and the other two participating agencies and it is now for implementation.

The USBR has announced a deadline of November 30th for the small storage grant. Mr. Wittry stated although the District was not successful in the last round, we were able to have our Feasibility Study approved by the USBR and staff will be working on applying for the next round of funding.

Regarding the capacity fee, Mr. Wittry reported he had a telephone meeting with the Business Industry Association which went well.

b) Reach 1 Operations

Mr. Wittry reported Valley Water's closure near Bifurcation in November will not impact the District's deliveries, but staff will follow it to be sure there isn't any impact.

c) Zone 3 Operations

Mr. Wittry reported San Benito River continues to flow through the County and staff continues to fill Paicines. He added, Paicines Canal continues to leak.

d) Zone 6 Operations

Mr. Wittry reported the coating contractor had a pre-construction meeting at the District on September 26th. Work is scheduled to begin the first week of October and any repairs that are needed will be coordinated with the O & M department.

e) San Luis and Delta-Mendota Water Authority Activities

Mr. Wittry reported the North to South Activity Agreement, which had previously been for ten years, is due to expire in January of 2025, so a new agreement is needed. The Authority is asking for an answer by mid-November, so this will likely be on the October agenda.

f) Pacheco Reservoir Expansion Project

Mr. Wittry stated he had nothing to report at this time.

g) City of San Juan Bautista Water Supply Plan

Mr. Wittry stated this project is moving forward, but slowly. He did report the parts for the wastewater portion of the City of San Juan Bautista's plan have a twenty-four-month lead time.

10. <u>CLOSED SESSION: Conference with legal counsel—</u>

potential litigation

Government Code 54956.9

Kurasaki v. San Benito County Water District

(The Board retired into Closed Session at 5:30 p.m.)

11. OPEN SESSION:

Report any action, if any, from Closed Session

(The Board re-convened in Open Session at 5:42 p.m.)

	President Flores stated there was no action to report from Closed Session.
11.	Adjournment With no further business to discuss, the meeting was adjourned at 5:42 p.m.
	Sonny Flores, President

Barbara L. Mauro, Executive Assistant/Board Clerk

October 4, 2023 Special Meeting 5:00 p.m.

The Board of Directors of the San Benito County Water District convened in special session on Wednesday, October 4, 2023 at 5:00 p.m. at the San Benito County Water District office at 30 Mansfield Road, Hollister, California. Members present were: President Sonny Flores, Vice President Andrew Shelton and Directors Joe Tonascia, Doug Williams and Mark Wright. Also present were General Manager Steve Wittry, District Counsel Jeremy T. Liem, Manager of Administration, Finance and Business Services Joyce Machado, Senior Engineer David Macdonald and Executive Assistant/Board Clerk Barbara Mauro.

CALL TO ORDER

President Flores called the meeting to order at 5:00 p.m.

- a. Pledge of Allegiance to the Flag
 - President Flores led the Pledge of Allegiance.
- b. Roll Call

Mrs. Mauro called roll; members present were: President Flores, Vice President Shelton and Directors Tonascia, Williams and Wright.

- c. Speakers will be limited to 5 minutes to address the Board
- d. Approval of the Agenda

With a motion by Director Tonascia and a second by Vice President Shelton, the Agenda was approved by 5 affirmative votes, Flores, Shelton, Tonascia, Williams and Wright.

AGENDA ITEMS:

1. Approve Resolution to Award a Construction Contract in the Amount of \$166,000 to Eaton Drilling Co., LLC. for the Hollister Aquifer Storage and Recovery Feasibility Exploratory Borehole Study (Categorically Exempt from CEQA per California Code of Regulations Title 14 Section 15306)

Mr. Wittry thanked the Board for attending the special meeting. He stated at the August 30, 2023 Board meeting, the Board rejected the original bids for this project. At that meeting, it was asked if the District had permission from the County to use this property, so Mr. Wittry has provided the Board with a copy of an agreement between the District and San Benito County allowing the District permission to proceed. Mr. Wittry added Holly Kennedy from HDR, and Lidia Gutierrez from Gutierrez Consulting are participating in the meeting via Zoom. Mr. Wittry addressed two issues for this project. The first issue is, would the grant requirements be met. After review, all deliverables will be met per the grant parameters. The second issue concerned storing water near the high school and the potential of having it resurface in/near the San Juan Valley. Mr. Wittry reported the District asked Todd Groundwater to run groundwater modeling for water injection/storage in the vicinity of the high school. The modeling identified that water majority of water injected is likely to stay in the area, any migration of injected would actually travel toward the north at a fairly slow pace.

There were two bidders, and both came within budget. Mr. Wittry stated the grant terminates on December 31, 2023 with reporting due by March 31, 2024, so staff has asked DWR for an extension, just in case. Discussion ensued about timing once the contract was awarded and whether the drilling contractor could complete the project on time.

Director Tonascia asked if agenda #3 should be taken ahead of #1. Mr. Wittry stated that item 3, the update to the Authorizing Resolution for IRWM grant, has been previously approved and the only change to the resolution is that it is now for implementation and that the District is now the Administrator for ourselves as well as the other two participating agencies.

Further discussion ensued on which site was approved. Ms. Kennedy stated models were run with preliminary results on future conditions and that water would not leave the basin. Ms. Kennedy further explained about the different levels of the aquifers. Director Tonascia further asked about monitoring wells near Hospital Road and Highway 156. Ms. Kennedy stated there are a number of wells in that area, but more monitoring wells will be needed for project operation. An additional task is to look at the water quality and the interaction between the injected water and the groundwater. Ms. Kennedy added, Todd Groundwater is currently working on a model for this.

Mr. Macdonald stated that is why the District is doing an exploratory borehole project. Director Tonascia asked about the background for the project near the high school. Ms. Kennedy stated several areas were modeled with the Groundwater Sustainability Plan with a heavy emphasis on fire flows on the northside of the City of Hollister. Initial efforts were focused on the well field north of Hollister, however, there were hydraulic concerns regarding the movement of water from West Hill Water Treatment Plant to through the City's water distribution system to the northern well field. During the May/June timeline, the decision was to move the project to the southside of town.

Director Wright asked, regarding the movement of water, how do we know where the water is going? Mr. Wittry stated that is what the modeling Gus Yates, at Todd Groundwater, is working to show. Ms. Kennedy shared her screen which was a map of a model developed by Mr. Yates of water flows. She and Mr. Wittry reviewed the map for the Board.

Lidia Gutierrez added the water testing and water modeling had occurred in the initial phases of the grant. As there was a funding surplus in the grant, additional scope, including the completion of a borehole, was approved in the August 22nd 2022 grant amendment.

Vice President Shelton asked where the borehole will be located. Mr. Macdonald stated it will be in an open area near the high school in the future Riverside Park. Discussion ensued about the depth of the borehole and whether the City of Hollister and Sunnyslope County Water District would have access to water injected into the ground. Mr. Wittry also discussed the reasoning behind the previous project the District completed, which consisted of a group of monitoring wells, both shallow and deep. Mr. Liem also discussed access agreements that grant benefit from landowners to the District, which he

has reviewed. Discussion was had about whether these agreements required Board approval or simply legal review.

Richard Bettencourt, a member of the public, mentioned a neighbor pumping a lot of water and another neighbor having an orchard, also having a well, which had a boron issue. He expressed concern over the difference in the water between the two neighbors. Director Tonascia discussed how an exploratory borehole would determine the best area for the project to go forward and how the aquifer storage and recovery program would work.

With a motion by Director Williams and a second by Vice President Shelton, the Board of Directors approved Resolution #2023-20 A Resolution of the Board of Directors of the San Benito County Water District to Award a Construction Contract in the Amount of \$166,000 to Eaton Drilling Co., LLC. for the Hollister Aquifer Storage and Recovery Feasibility Exploratory Borehole Study (Categorically Exempt from CEQA per California Code of Regulations Title 14 Section 15306) by 5 affirmative votes, Flores, Shelton, Tonascia, Williams and Wright.

2. Consider Approval of a Professional Services Contract with Gutierrez Consulting for the Pajaro River Watershed Integrated Regional Water Management Implementation Grant Administration and Authorize the General Manager to sign the contract (NTE \$275,427)

Mr. Wittry stated this is for the next phase of grant funding. The District has had a long history with Ms. Gutierrez, and she has been a key player in the grant funds the District has been able to qualify for over the years. The next phase for \$4.78 million, for which the District is receiving \$1.8 million, the District will be the Grant Administrator. Mr. Wittry stated the program management for this grant is for approximately 4.5 years and would be for \$275,000. This contract has gone to the Administration Committee. Previously, Mr. Wittry stated the insurance clause was stricken from the standard contract template for this consultant. President Flores asked for how long? Ms. Gutierrez stated this actually started with John Gregg. The IRWM Grant is a specialized grant and can be a challenge for staff to manage. DWR only wants to have contact with one entity which is why they prefer to have an administrator. Vice President Shelton thanked Ms. Gutierrez for answering their questions. Ms. Gutierrez added she does not carry this type of insurance and she has never had the need to have it for SBCWD or any of her other clients.

With a motion by Director Tonascia and a second by Director Williams, the Board of Directors Approved of a Professional Services Contract with Gutierrez Consulting for the Pajaro River Watershed Integrated Regional Water Management Implementation Grant Administration and Authorized the General Manager to sign the contract (NTE \$275,427) by 5 affirmative votes, Flores, Shelton, Tonascia, Williams and Wright.

3. Consider Resolution Authorizing an Application be made to the California Department of Water Resources for an Integrated Regional Water Management Grant pursuant to the Water Quality, Supply and Infrastructure Improvement Act of 2014 (Water Code Section 79700 et. seq.), enter into an agreement and granting General Manager Authorization to Execute Documents in relation thereto

Mr. Wittry stated when the grant was initially submitted the resolution did not list the District as the administrator and this one does. Also, the previous resolution was for planning and this one is now for implementation. Director Tonascia asked if this one should rescind the previous one? President Flores said no, we are simply replacing some of the language.

With a motion by Vice President Shelton and a second by Director Williams, the Board of Directors approved Resolution #2023-21 A Resolution of the Board of Directors of the San Benito County Water District Authorizing an Application be made to the California Department of Water Resources for an Integrated Regional Water Management Grant pursuant to the Water Quality, Supply and Infrastructure Improvement Act of 2014 (Water Code Section 79700 et. seq.), enter into an agreement and granting General Manager Authorization to Execute Documents in relation thereto by 5 affirmative votes, Flores, Shelton, Tonascia, Williams and Wright.

Ms. Gutierrez congratulated the District on securing the grant funding.

ADJOURNMENT

With no further business to discuss, the meeting was adjourned at 5:53 p.m.

		Sonny Flores, President
Barbara L. Mauro, Executive Assistant/Boa	ard Clerk	

System: User Date: 10/19/202 2:37:08 P 10/19/202

San Benito County Water District COMPUTER CHECK REGISTER Payables Management

Page: User ID:

1 Leilani

Batch ID: Batch Comment: CK102523

Audit Trail Code: Posting Date:

PMCHK00000994

10/25/2023

Checkbook: UB-CKG * Voided Checks

Check #	Date Pa	ayment Number	Vendor ID	Check Name	Amount
0057893	10/25/2023	031584	A1JAN	A-1 Services	\$524.00
0057894	10/25/2023	031585	ACWA	Association of Calfornia Water Agencies	\$21,040.00
0057895	10/25/2023	031586	ALLIA	Alliance Resource Consulting	\$7,000.00
0057896	10/25/2023	031587	B&SSU	B&S Supply	\$125.00
0057897	10/25/2023	031588	BEFOR	Before the Movie Inc	\$438.00
0057898	10/25/2023	031589	BRIGA	Brigantino Irrigation	\$228.63
0057899	10/25/2023	031590	CCOIG	C.C.O.I. Gate & Fence	\$4,620.00
0057900	10/25/2023	031591	CINTA	Cintas Corporation	\$485.90
0057901	10/25/2023	031592	CIVIC	CivicPlus LLC	\$655.00
0057902	10/25/2023	031593	CMANA	CM Analytical Inc	\$1,420.00
0057903	10/25/2023	031594	DASSE	Dassel's Petroleum Inc	\$107.95
0057904	10/25/2023	031595	DATAF	Dataflow Business Systems Inc	\$425.50
0057905	10/25/2023	031596	EDGES	Edges Electrical Group	\$106.68
0057906	10/25/2023	031597	ELCCO	ELC Consulting	\$12,754.45
0057907	10/25/2023	031598	ESRI	Environmental Systems Research Inst.	\$440.00
0057908	10/25/2023	031599	FASTE	Fastenal Company	\$4,417.65
0057909	10/25/2023	031600	FOSTE	Foster & Foster Inc	\$4,350.00
0057910	10/25/2023	031601	FRESN	Fresno Valves & Castings Inc.	\$2,451.48
0057911	10/25/2023	031602	GARTO	Garton Tractor, Inc.	\$856.59
0057912	10/25/2023	031603	GOLDEN	Golden State Portables	\$900.00
0057913	10/25/2023	031604	GRAIN	GRAINGER	\$611.52
0057914	10/25/2023	031605	GREEN	Greenwood Chevrolet	\$702.43
0057915	10/25/2023	031606	GROSS	Grossmayer & Associates	\$942.50
0057916	10/25/2023	031607	GUTIE	Gutierrez Consultants	\$6,274.50
0057917	10/25/2023	031608	HAUTO	Hollister Auto Parts Inc	\$335.19
0057918	10/25/2023	031609	HOLLA	Hollister Landscape Supply	\$175.30
0057919	10/25/2023	031610	ICONI	ICONIX Waterworks Inc	\$13,626.12
0057920	10/25/2023	031611	INDEP	Independent Business Forms Inc	\$498.10
0057921	10/25/2023	031612	JOHNS	Johnson Lumber Company	\$543.96
0057922	10/25/2023	031613	JOHNSM	John Smith Landfill	\$591.16
0057923	10/25/2023	031614	KRONI	Kronick Moskovitz Tiedemann & Girard	\$810.00
0057924	10/25/2023	031615	LANDS	Landscape Design by Rosemary Bridwell (\$400.00
0057925	10/25/2023	031616	LITTL	Little B's Repair	\$1,500.00
057926	10/25/2023	031617	MAGGI	Maggiora Brothers Drilling	\$5,830.43
057927	10/25/2023	031618	MCMAS	McMaster-Carr Supply Co	\$470.39
057928	10/25/2023	031619	MISSIO	Mission Village Voice Media LLC	\$305.00
057929	10/25/2023	031620	NEWSV	New SV Media Inc	\$2,653.50
057930	10/25/2023	031621	PALAC	Palace Business Solutions	\$1,296.93
057931	10/25/2023	031622	PATDA	Pat Davis Design Group Inc.	\$740.00
057932	10/25/2023	031623	PIPAL	Pipal Spurzem & Liem LLP	\$960.00
057933	10/25/2023	031624	PITBO	Pitney Bowes	\$912.14
057934	10/25/2023	031625	RJRRE	RJR Environmental Inc.	\$60.00
057935	10/25/2023	031626	ROSSI	Rossi's Tire & Auto Service	\$945.59
057936	10/25/2023	031627	SBASSES	San Benito Cty Assessors	\$250.00
057937	10/25/2023	031628	SBCCH	SBC Chamber of Commerce	\$245.00
057938	10/25/2023	031629	SBHIG	San Benito High School	\$169.15
057939	10/25/2023	031630	SENTR	Sentry Alarm Systems	\$120.00

System: User Date:

10/19/202 2:37:0 10/19/202: San Benito County Water District COMPUTER CHECK REGISTER

Page: User ID:

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* Voided Checks

Check #	Date Pa	yment Number	Vendor ID	Check Name	Amount
0057940	10/25/2023	031631	SHRED	Shred-it	\$346.68
0057941	10/25/2023	031632	SJELE	SJ Electro Systems Inc	\$55,814.00
0057942	10/25/2023	031633	SPEEDEE	SpeeDee Oil Change and Tune Up	\$115.64
0057943	10/25/2023	031634	SSCWD-TP	Sunnyslope County Water District	\$279,320.26
0057944	10/25/2023	031635	STAPL	Staples, Inc.	\$709.03
0057945	10/25/2023	031636	TBCCO	TBC Communications & Media	\$475.00
0057946	10/25/2023	031637	TODDE	Todd Groundwater	\$16,129.27
0057947	10/25/2023	031638	TOROP	Toro Petroleum Corporation	\$3,813.33
0057948	10/25/2023	031639	TRUEV	True Value Hardware	\$31.97
0057949	10/25/2023	031640	UNDERG	Underground Republic Water Works	\$5,158.03
0057950	10/25/2023	031641	UNIFI	Unified Field Services Corporation	\$6,650.00
0057951	10/25/2023	031642	USABL	USA BlueBook	\$332.93
0057952	10/25/2023	031643	USBNK-CC	US Bank Corporation	\$5,416.99
0057953	10/25/2023	031644	USGEO	U.S. Geological Survey	\$24,067.50
0057954	10/25/2023	031645	WRIIN	Wright Bros Industrial Supply	\$57.95
0057955	10/25/2023	031646	ZEIAL	Alan Zeisbrich	\$1,780.00
Total Che	cks: 6	33		Checks Total:	\$505,534.32

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10/19/202 2:37:0 10/19/202; San Benito County Water District COMPUTER CHECK REGISTER

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3 Leilani

* Voided Checks

Check #

Date

Payment Number

Vendor ID

Check Name

Amount

STATE OF CALIFORNIA COUNTY OF SAN BENITO

I DO HEREBY CERTIFY, UNDER THE PENALTY OF PERJURY AT HOLLISTER, CALIFORNIA THIS 25TH DAY OF OCTOBER 2023 THAT THE FOREGOING DEMANDS ENUMERATED HAVE BEEN AUDITED; THAT THE SAME ARE ACCURATE AND JUST CLAIMS AGAINST THE DISTRICT; AND THAT THERE ARE FUNDS AVAILABLE FOR PAYMENT.

C'indy Paine		Aple	
Prepared by: Manager of Admin and Finance	-	Submitted by: General	Manager
APPROVED BY BOARD OF DIRECTORS ON	l:		
	Date		
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i	President		

Fund 000: \$0.00

Fund 700: \$0.00

Fund 100: \$0.00

Fund 803:\$0.00

Payment Fund Responsibility

Page 1 of 22

031584	10/19/2023		\$524.00	Δ1	JAN	A-1 Service	36		
Voucher:	048862	Invoice:		(X.	.O.XI.		2/2023 Janitorial Services	Doc Amt:	\$524.00
, , , , , , , , , , , , , , , , , , ,		ations:		30.60	100-627	75-0000-563-06	CS-Maint 10/5/85	Doc Amt.	<i>\$32</i> 4.00
		ations:	_	15.30		75-0000-563-06	CS-Maint 10/5/85		
	Alloc	ations:		60.10		5-0000-563-06	CS-Maint 10/5/85		
	Alloc	ations:	\$2	21.80	100-627	5-0000-563-06	CS-Maint 10/5/85		
	Alloc	ations:	\$	10.90	300-627	5-0000-563-06	CS-Maint 10/5/85		
	Alloc	ations:	\$18	35.30	600-627	5-0000-563-06	CS-Maint 10/5/85		
	Responsibilities								
Fund 000: \$0			100: \$52.40		Fu	and 300: \$26.20	Fund 600: \$445.40		
Fund 700): \$0.00	Fu	and 803:\$0.00						
_									
Payment# 031585	Date 10/19/2023		Check Total \$21,040.00		dor ID WA	Vendor Nam			
Voucher:	048893	Invoice:	100423	AC	*************		of Calfornia Water Agenci //2023 2024 Membership Dues	Doc Amt:	\$21,040.00
voucifor,	Alloca			4 00		Date. 10/2 0-0000-562-06	Dues and Fees 10/5/85	Doc Amt:	\$21,040.00
						J-0000-302-00	Dues and rees 10/3/63		
			•			1_0000_562_06	Dues and Fees 10/5/85		
	Alloca Alloca Responsibilities:	ations: ations:	\$1,05 \$17,88	2.00 4.00	300-6820 600-6820	0-0000-562-06 0-0000-562-06	Dues and Fees 10/5/85 Dues and Fees 10/5/85		
	Alloca Alloca Responsibilities: .00	ations: ations: Fund	\$1,05	2.00 4.00	300-6820 600-6820		Dues and Fees 10/5/85		
Fund 000: \$0	Alloca Alloca Responsibilities: .00	ations: ations: Fund Fund	\$1,05 \$17,88 100: \$2,104.0	2.00 4.00	300-6820 600-6820	0-0000-562-06	Dues and Fees 10/5/85 0 Fund 600: \$17,884.00		
Fund 000: \$0. Fund 700	Alloca Alloca Responsibilities: .00 : \$0.00	ations: ations: Fund Fund Cl	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00	2.00 4.00	300-6820 600-6820 Fui	0-0000-562-06 nd 300: \$1,052.0 Vendor Nam	Dues and Fees 10/5/85 0 Fund 600: \$17,884.00		
Fund 000: \$0. Fund 700 Payment#	Alloca Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894	Fund Fund Cl	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total	2.00 4.00 Vend ALI	300-6820 600-6820 Fui dor ID LIA	Vendor Nam Alliance Res Date: 10/9	Dues and Fees 10/5/85 0 Fund 600: \$17,884.00	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586	Alloca Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894 Alloca	Fund Fund Fund Cl Invoice:	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(2.00 4.00 Vend ALI 03 0.00	Fui for ID LIA	Vendor Nam Alliance Res Date: 10/9 -0000-563-06	Dues and Fees 10/5/85 0 Fund 600: \$17,884.00 ie ource Consulting /2023 Recruiting Service CS-Consulting GA 10/5/85	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586	Alloca Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894 Alloca Alloca	Fund Fund Fund Ci Invoice: tions:	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$35(\$5,950	Vend ALI 03 0.00	Fui dor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 -0000-563-06	Dues and Fees 10/5/85 Fund 600: \$17,884.00 Fund 600: \$17,884.00 The consulting of	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586	Alloca Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894 Alloca	Fund Fund Fund Ci Invoice: tions:	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$35(\$5,950	Vend ALI 03 0.00	Fui dor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 -0000-563-06	Dues and Fees 10/5/85 0 Fund 600: \$17,884.00 ie ource Consulting /2023 Recruiting Service CS-Consulting GA 10/5/85	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher:	Alloca Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894 Allocat Allocat	Fund Fund Fund Ci Invoice: tions:	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$35(\$5,950	Vend ALI 03 0.00	Fui dor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 -0000-563-06	Dues and Fees 10/5/85 Fund 600: \$17,884.00 Fund 600: \$17,884.00 The consulting of	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher:	Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894 Allocat Allocat Allocat	Fund Fund Collinvoice: tions: tions:	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$35; \$5,956 \$706	Vend ALI 03 0.00	Fundor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 1-0000-563-06 1-0000-563-06	Dues and Fees 10/5/85 Fund 600: \$17,884.00 Fund 600: \$17,884.00 The course Consulting Fund 600: \$17,884.00 The course Consulting Gallo for the course Consulting Gallo for the course Gallo for t	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher: Payment Refund 000: \$0.0	Alloca Alloca Alloca Responsibilities: .00 Date 10/19/2023 048894 Allocat Allocat Allocat esponsibilities: .00	Fund Fund Clarence: tions: tions: tions: Fund I	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$356 \$5,956 \$700	Vend ALI 03 0.00	Fundor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 -0000-563-06	Dues and Fees 10/5/85 Fund 600: \$17,884.00 Fund 600: \$17,884.00 The consulting of	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher:	Alloca Alloca Alloca Responsibilities: .00 Date 10/19/2023 048894 Allocat Allocat Allocat esponsibilities: .00	Fund Fund Clarence: tions: tions: tions: Fund I	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$35; \$5,956 \$706	Vend ALI 03 0.00	Fundor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 1-0000-563-06 1-0000-563-06	Dues and Fees 10/5/85 Fund 600: \$17,884.00 Fund 600: \$17,884.00 The course Consulting Fund 600: \$17,884.00 The course Consulting Gallo for the course Consulting Gallo for the course Gallo for t	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher: Payment Refund 000: \$0.0	Alloca Alloca Alloca Responsibilities: .00 Date 10/19/2023 048894 Allocat Allocat Allocat esponsibilities: 00	Fund Fund Fund Fund Fund Fund Fund Fund	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$356 \$5,956 \$700	Vend 4.00 Vend ALI 03 0.00 (00.00	Fundor ID LIA 300-6240 600-6240	Vendor Nam Alliance Res Date: 10/9 1-0000-563-06 1-0000-563-06	Dues and Fees 10/5/85 Fund 600: \$17,884.00	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher: Payment Refund 000: \$0. Fund 700:	Alloca Alloca Alloca Responsibilities: .00 Date 10/19/2023 048894 Allocat Allocat Allocat esponsibilities: .00 \$0.00	Fund Fund Fund Fund Fund Fund Fund Fund	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-1 \$35 \$5,95 \$700 100: \$700.00 nd 803:\$0.00	Vend 4.00 Vend ALI 03 0.00 (00.00	Fundor ID LIA 300-6240 600-6240 Fun or ID	Vendor Nam Alliance Res Date: 10/9 0-0000-563-06 0-0000-563-06 0-0000-563-06 dd 300: \$350.00 Vendor Nam	Dues and Fees 10/5/85 Fund 600: \$17,884.00	Doc Amt:	\$7,000.00
Fund 000: \$0. Fund 700 Payment# 031586 Voucher: Payment Refund 000: \$0.6 Fund 700: Payment# 031587	Alloca Alloca Alloca Responsibilities: .00 : \$0.00 Date 10/19/2023 048894 Allocat Allocat Allocat esponsibilities: .00 \$0.00 Date	Fund Fund Fund Fund Ci Invoice: tions: tions: Ch	\$1,05 \$17,88 100: \$2,104.0 nd 803:\$0.00 heck Total \$7,000.00 SBCWD-04-(\$35(\$5,950 \$700 100: \$700.00 nd 803:\$0.00	Vend ALI 03 0.00 :	Fundor ID LIA 300-6240 600-6240 Fundor ID Fundor ID	Vendor Nam Alliance Res Date: 10/9 1-0000-563-06 1-0000-563-06 1-0000-563-06 1-0000-563-06 Vendor Nam B&S Supply	Dues and Fees 10/5/85 Fund 600: \$17,884.00	Doc Amt:	\$7,000.00

Fund 300: \$0.00

Fund 600: \$125.00

031588	Date 10/19/2023		Check Total S438.00	Vendor ID BEFOR		r Name			
Voucher:	048784	Invoice:		DEFUR		the Movie Inc 10/1/2023 On-Screen A			0.130.00
vouciici.		ations:		8.00 803-68	Date: 365-0000-562			Doc Amt:	\$438.00
•			4.5	0.00	.05 0000 502	raverusing ruon	0 IIII0 (1 1)		
Payment I Fund 000: \$0	Responsibilities:		1 100 0000						
			1 100: \$0.00		Fund 300: \$0.	00 Fund 6	00: \$0.00		
Fund 700): \$0.00	r	und 803:\$438.(00					
Payment#	Date	(Check Total	Vendor ID	Vendor	Name			
031589	10/19/2023		\$228.63	BRIGA	Brigan	tino Irrigation			
Voucher:	048870	Invoice:	22000005184		Date:	10/3/2023 Maintenance	Supplies	Doc Amt:	\$116.02
	Alloca	itions:	\$11	5.02 600-63	20-0000-542	Supplies-TM			
Voucher:	048916	Invoice:	22000005219	0	Date:	10/5/2023 Maintenance	Supplies	Doc Amt:	\$44.42
	Alloca	tions:	\$44	1.42 600-63		Supplies-PM		200111111	4
						••			
Voucher:	048917	Invoice:	22000005227	0	Date:	10/6/2022 24-1	C	ъ.	001.00
vouciici.	Alloca				Date: 20-0000-522	10/6/2023 Maintenance Supplies-PM	Supplies	Doc Amt:	\$21.63
	7 2210 410		Ψ		50-0000-32E	Supplies-1 W			
Voucher:	048980	Invoice:	22000005301		Date:	10/16/2023 District Supp		Doc Amt:	\$46.56
	Allocat			.33 300-632					
	Allocat Allocat		\$39		0-0000-562-				
	riiooai		.pq	.66 100-632	.0-0000-302-	06 Supplies-GA 10/5/	63		
•	esponsibilities:								
und 000: \$0.0			100: \$4.66	Fı	ind 300: \$2.3	3 Fund 60	0: \$221.65		
E 1800									
Fund 700:			nd 803:\$0.00						
Fund 700:									
		Fu		Vendor ID	Vendor :	Name			
Payment# 031590	\$0.00 Date 10/19/2023	Fu	nd 803:\$0.00	Vendor ID CCOIG		Name Gate & Fence			
Payment# 031590	\$0.00 Date 10/19/2023 048786	Function Fun	nd 803:\$0.00 heck Total \$4,620.00 3652127954	CCOIG	C.C.O.I.	Gate & Fence 9/7/2023 Repair SJR G		Doc Amt:	\$180.00
Payment# 031590	\$0.00 Date 10/19/2023	Function Fun	nd 803:\$0.00 heck Total \$4,620.00 3652127954		C.C.O.I.	Gate & Fence		Doc Amt:	\$180.00
Payment# 031590	\$0.00 Date 10/19/2023 048786	Function Fun	nd 803:\$0.00 heck Total \$4,620.00 3652127954	CCOIG	C.C.O.I.	Gate & Fence 9/7/2023 Repair SJR G		Doc Amt:	\$180.00
Payment# 031590 Voucher:	\$0.00 Date 10/19/2023 048786 Allocati	Fundament Fundam	nd 803:\$0.00 heck Total \$4,620.00 3652127954	CCOIG	C.C.O.I. Date: 5-0000-542	Gate & Fence 9/7/2023 Repair SJR G	М	Doc Amt:	
Payment# 031590 Voucher:	\$0.00 Date 10/19/2023 048786 Allocati	Fundamental Fundam	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180	CCOIG 00 600-627	C.C.O.I. Date: 5-0000-542	Gate & Fence 9/7/2023 Repair SJR G CS-Maintenance-T	M SJR Gate		\$180.00 \$4,440.00
Payment# 031590 Voucher:	\$0.00 Date 10/19/2023 048786 Allocati	Fundamental Fundam	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180.	CCOIG 00 600-627	C.C.O.I. Date: 5-0000-542 Date:	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance S	M SJR Gate		
Payment# 031590 Voucher: Voucher:	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati	Fundamental Fundam	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180.	CCOIG 00 600-627	C.C.O.I. Date: 5-0000-542 Date:	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance S	M SJR Gate		
Payment# 031590 Voucher: Voucher:	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities:	Functions: Invoice: Invoice: Invoice:	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440.	CCOIG 00 600-627 00 600-627	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T	M SJR Gate M		
Payment# 031590 Voucher: Voucher:	Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities:	Fund 1	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440.	CCOIG 00 600-627 00 600-627	C.C.O.I. Date: 5-0000-542 Date:	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T	M SJR Gate		
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0	Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities:	Fund 1	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440.	CCOIG 00 600-627 00 600-627	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T	M SJR Gate M		
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0 Fund 700: \$	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities: 0 \$0.00	Fund 1	heck Total \$4,620.00 3652127954 \$180 3652128037 \$4,440 100: \$0.00 ad 803:\$0.00	CCOIG 00 600-627 00 600-627 Fu	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T	M SJR Gate M		
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0 Fund 700: \$	Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities: 0 \$0.00	Fund 1	heck Total \$4,620.00 3652127954 \$180 3652128037 \$4,440.	CCOIG 00 600-627 00 600-627 Fu Vendor ID	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542 and 300: \$0.00	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T Fund 600	M SJR Gate M		
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0 Fund 700: \$	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities: 0 \$0.00 Date 10/19/2023	Fund 1 Fun Ch	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440. 100: \$0.00 ad 803:\$0.00 heck Total \$485.90	CCOIG 00 600-627 00 600-627 Fu Vendor ID CINTA	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542 and 300: \$0.00 Vendor N Cintas C	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T Fund 600	M SJR Gate M): \$4,620.00	Doc Amt:	\$4,440.00
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0 Fund 700: \$	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities: 0 \$0.00 Date 10/19/2023	Fund 1 Fun Ch	heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440. 100: \$0.00 ad 803:\$0.00 heck Total \$485.90 4168965603	CCOIG 00 600-627 00 600-627 Fu Vendor ID CINTA	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542 nd 300: \$0.00 Vendor N Cintas C Date: 9	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance CS-Maintenance-T Fund 600 lame orporation 1/26/2023 Weekly Service	M SJR Gate M): \$4,620.00		
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0 Fund 700: \$	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities: 0 \$0.00 Date 10/19/2023 048871 I Allocatic	Fund I Fund I funvoice:	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440. 100: \$0.00 d 803:\$0.00 heck Total \$485.90 4168965603 \$9.	CCOIG 00 600-627 00 600-627 Fu Vendor ID CINTA 72 100-6275	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542 nd 300: \$0.00 Vendor N Cintas C Date: 9 1-0000-563-0	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance S CS-Maintenance-T Fund 600 lame orporation 1/26/2023 Weekly Servic CS-Maint 10/5/85	M SJR Gate M): \$4,620.00	Doc Amt:	\$4,440.00
Payment# 031590 Voucher: Voucher: Payment Re nd 000: \$0.0 Fund 700: \$	\$0.00 Date 10/19/2023 048786 Allocati 048787 Allocati sponsibilities: 0 \$0.00 Date 10/19/2023	Fund I Fu	nd 803:\$0.00 heck Total \$4,620.00 3652127954 \$180. 3652128037 \$4,440. 100: \$0.00 d 803:\$0.00 heck Total \$485.90 4168965603 \$9. \$4.6	CCOIG 00 600-627 00 600-627 Fu Vendor ID CINTA	C.C.O.I. Date: 5-0000-542 Date: 5-0000-542 nd 300: \$0.00 Vendor N Cintas C Date: 9 1-0000-563-0 1-0000-563-0	Gate & Fence 0/7/2023 Repair SJR G CS-Maintenance-T 0/12/2023 Maintenance S CS-Maintenance-T Fund 600 1/26/2023 Weekly Servic 5 CS-Maint 10/5/85 5 CS-Maint 10/5/85	M SJR Gate M): \$4,620.00	Doc Amt:	\$4,440.00

Voucher: 048872

Invoice: 4168192581

Date:

9/19/2023 Weekly Service

Doc Amt:

\$97.18

		Allocations:	\$9.72	100-6275-0000-563-0	06 CS-Maint 10/5/85		
		Allocations:	\$4.86	300-6275-0000-563-0	06 CS-Maint 10/5/85		
		Allocations:	\$82.60	600-6275-0000-563-0	06 CS-Maint 10/5/85		
Voucher:	048895		4170371631		10/10/2023 Weekly Service	Doc Amt:	\$97.18
		Allocations:	\$9.72	100-6275-0000-563-0			
		Allocations:	\$4.86	300-6275-0000-563-0			
		Allocations:	\$82.60	600-6275-0000-563-0	06 CS-Maint 10/5/85		
Voucher:	048896	Invoice:	4169615384	Date:	10/3/2023 Weekly Service	Doc Amt:	\$97.18
Touciloi.	040020	Allocations:	\$9.72	100-6275-0000-563-0		Doormit.	Ψ>7.20
		Allocations:	•	300-6275-0000-563-0			
		Allocations:		600-6275-0000-563-0			
		7 modulons.	\$02.00	000 0270 0000 505 0	0 05 Maint 10/5/05		
Voucher:	048978	Invoice:	4171023895	Date: 1	0/17/2023 Weekly Service	Doc Amt:	\$97.18
		Allocations:	\$9.72	100-6275-0000-563-0	6 CS-Maint 10/5/85		
		Allocations:	\$4.86	300-6275-0000-563-0	6 CS-Maint 10/5/85		
		Allocations:	\$82.60	600-6275-0000-563-0	6 CS-Maint 10/5/85		
Payment l	Responsib	ilities:					
Fund 000: \$0	0.00	Fund	100: \$48.59	Fund 300: \$24.3	Fund 600: \$413.02		
Fund 700	0: \$0.00	Fı	and 803:\$0.00				
Payment#	Da	te C	Check Total Ven	ndor ID Vendor N	lame		
031592	10/19/	2023	S655.00 CI	VIC CivicPlus			
Voucher:	048873	Invoice:	277993	Date: 1	2/16/2023 Municipal Code Updates	Doc Amt:	\$655.00
		Allocations:	\$655.00	100-6240-0000-563	CS-General Consulting-GA		
Payment I	?esnansih	ilities•					
Fund 000: \$0	-		100: \$655.00	Fund 300: \$0.00	Fund 600: \$0.00		
Fund 700			and 803:\$0.00	1 and 500. \$0.00	1 4114 500. \$0.00		
runa 700). 9 0.00	14	ma 605.50.00				
Payment#	Da	to C	heck Total Ven	dor ID Vendor N	lame		
031593	10/19/			IANA CM Anal			
Voucher:	048785	Invoice:	81152		/15/2023 Water Quality Testing	Doc Amt:	\$1,420.00
voucher.		Allocations:		600-6270-0000-541	CS-Operations-TO	2007	41, 120,00
			2.,				
		Allocations:	\$300.00	600-6270-0604-541	CS Operations Recycled Water Project		
Payment R	-				p		
und 000: \$0	.00		100: \$0.00	Fund 300: \$0.00	Fund 600: \$1,420.00		
Fund 700	: \$0.00	Fu	nd 803:\$0.00				
Down and the	D-4		heck Total Ven	dor ID Vendor N	ama		
Payment#	Dat 10/19/2				ame Petroleum Inc		
031594			·····		/31/2023 Monthly Fuel Bill	Doc Amt:	\$84.70
Voucher:	048788	Invoice: Allocations:	4348655	Date: 7/ 600-6320-0000-562	Supplies-GA	DOC AIIII.	JU7./U
	4	Anocations:	\$84.70	UUU-U3ZU-UUUU-30Z	auppnes-OA		
Voucher:	048789	Invoice:	4336990	Date: 7/	31/2023 Monthly Fuel Bill	Doc Amt:	\$23.25
		Allocations:		600-6465-0000-562	Vehicle Fuel-GA		
	•	-					

Payment Responsibilities:

Allocations:

Allocations:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$107.95

Office Furn/Equipment Purchase 10/5/85

Office Furn/Equipment Purchase 10/5/85

Fund 700: \$0.00

Fund 803:\$0.00

Payment#		Check T			ndor Name				
031595	10/19/2023	S425	5.50 D	ATAF D	taflow Busines	Systems Inc			
Voucher:	048960	Invoice: 37027	-	Date:		Copier Lease		Doc Amt:	\$425.50
	Allocat		\$16.80			• •	Rental GA 10/5/85		
	Allocat		\$8.40				Rental GA 10/5/85		
	Allocat	ions:	\$142.77	600-6450-0000	-562-06 Too	& Equipment	Rental GA 10/5/85		
	Allocat		\$25.75		-563-06 CS-	Maint 10/5/85			
	Allocat		\$12.88			Maint 10/5/85			
	Allocati	ons:	\$218.91	600-6275-0000	-563-06 CS-	Maint 10/5/85			
Payment I	Responsibilities:								
Fund 000: \$0	.00	Fund 100: \$4	12.55	Fund 300	: \$21.28	Fund 60	0: \$361.68		
Fund 700): \$0.00	Fund 803:	\$0.00						
Povmon##	Date	Check To	otal Va	ndor ID Ve	ndor Name				
Payment# 031596	Date 10/19/2023	S106			ndor Name ges Electrical G	roun			
Voucher:	·····		283.001	Date:		Electrical Sup	nlies	Doc Amt:	\$106.68
voucilei.	Allocati			600-6320-0000		lies-TM	pries	Doormin.	\$100.00
Payment R Fund 000: \$0	tesponsibilities:	Fund 100: \$0	.00	Fund 300	ድስ ስስ	Fund 60): \$106.68		
Fund 700. 30		Fund 803:		runa 300	30.00	ruita ou). \$100.06		
runa 700	. 30.00	i una 605.	φυ.υυ						
Payment#	Date	Check To			idor Name				
031597	10/19/2023	\$12,754.	.45 EI		C Consulting				010000
Voucher:		nvoice: 8892	#100.00	Date:		Monthly Servi	ce Agreement	Doc Amt:	\$100.00
	Allocation	ons:	\$100.00	803-6260-0000-	563 CS -	Computers			
Voucher:	048874	nvoice: 8891		Date:	10/1/2023	Monthly Servi	ce Agreement	Doc Amt:	\$1,480.00
	Allocation	ons:	\$790.00	600-6260-0603-	531 CS C	Computer - Wes	t Hills WTP		
			#coo oc	(00 (0(0 0(00	ea.1		14 W/TD		
	Allocatio	ons:	\$690.00	600-6260-0602-	531 CS C	computer - Less	salt WIP		
							,		
Voucher:	048875 I	nvoice: 8890		Date:		Monthly Servi	~	Doc Amt:	\$6,897.00
	Allocation			100-6260-0000-		Computer (10/5			
	Allocatio			300-6260-0000-		Computer (10/5	-		
	Allocatio	ns:	\$5,607.45	600-6260-0000-	363-06 CS-C	computer (10/5	(85)		
	Allocatio	nc.	\$300.00	600-6260-0000-	563 CS-C	omputer-GA			
	Anocalic	113.	#200.00	000-0200-0000-	,05 05*0	omputor-OA			
\$71	040007 *			Data	10/2/2022	Office Fault-	ant	Dog Amt	\$1 692 AF
Voucher:	048897 II	nvoice: 8911	\$160 DE	Date: 100-6440-0000-		Office Equipm	ent ent Purchase 10/5/83	Doc Amt:	\$1,682.45

\$84.12 300-6440-0000-562-06.

\$1,430.08 600-6440-0000-562-06

Voucher:	048898	Invoice Allocations: Allocations: Allocations:	: 8926	\$81.00 \$40.50 \$688.50		3-06 3-06	O23 Monthly Service Agreement CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85)	Doc Amt:	\$810.00
		, modulions.		\$000.50	000-0200-0000-505	5-00	co-computer (10/5/65)		
Voucher:	048910	Invoice: Allocations:	: 8923	\$488.75	Date: 600-6260-0603-531		D23 Fortigate Service Agreement CS Computer - West Hills WTP	Doc Amt:	\$488.75
Voucher:	048911	Invoice: Allocations:	8910	\$17.18	Date: 600-6835-0000-562		Description 223 Office Supplies Office Supplies 10/5/85 GA	Doc Amt:	\$20.21
		Allocations: Allocations:		\$1.01 \$2.02	300-6835-0000-562 100-6835-0000-562		Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA		
Voucher:	048914	Invoice: Allocations:	8909	\$127.60	Date: 100-6440-0000-562		23 Office Equipment Office Furn/Equipment Purchase 10/	Doc Amt: 75/85	\$1,276.04
		Allocations:		\$63.80	300-6440-0000-562	2-06 (Office Furn/Equipment Purchase 10/	/5/85	
		Allocations:	;	\$1,084.63	600-6440-0000-562	2-06 (Office Furn/Equipment Purchase 10/	/5/85	
Payment I	Responsib	ilities:							
Fund 000: \$0			d 100: \$1,		Fund 300: \$51	19.29	Fund 600: \$11,096.60		
Fund 700	u: ֆu.UU	r	und 803:\$	100.00					
Payment#	Da	te	Check To			r Name			
031598	10/19/		\$440.0				Systems Research Inst.	Doc Amt:	\$440.00
Voucher:	048791	Invoice: Allocations:	945662	\$396.00	Date: 600-6260-0000-563		23 Engineering Software Renewal CS-Computer-GA	Doc Amt.	5440.00
		Allocations:		\$44.00	300-6260-0000-563	C	S-Computer-GA		
Payment F	Pasnansih	ilitias							
Fund 000: \$0	•		1 100: \$0.0	00	Fund 300: \$44	4.00	Fund 600: \$396.00		
Fund 700): \$0.00	F	und 803:\$	0.00					
Payment#	Dat	te (Check Tot	al Ven	dor ID Vendor	r Name			
031599	10/19/		S4,417.6			al Comp	any		
Voucher:	048792	Invoice: Allocations:	CAHOS		Date: 600-6320-0000-542		23 Maintenance Supplies upplies-TM	Doc Amt:	\$274.59
	•			021					
Voucher:	048793	Invoice:	CAHOS	61548	Date:	8/10/202	23 Maintenance Supplies	Doc Amt:	\$488.98
	•	Allocations:		\$488.98	600-6320-0000-542		upplies-TM		
Voucher:	048794	Invoice:	CAHOS	61544	Date:	8/10/202	23 Maintenance Supplies	Doc Amt:	\$28.49
		Allocations:			600-6320-0000-542		upplies-TM		
Voucher:	048795	Invoice:	CAHOS	61545	Date:	8/10/202	23 Maintenance Supplies	Doc Amt:	\$211.74
rouchet.		Allocations:	0,1100		600-6320-0000-542		upplies-TM	_ >	 • •
1/au -1	049707	t	CATTOO	61421	Date	0/2/2022	Maintananae Sunnliae	Doc Amt:	\$268.73
Voucher:	048796	Invoice:	CAHOS		Date:	8/2/2023 -03 Si	• •	DOC AIIIL.	J200./3

\$228.42 600-6320-0000-562-03

Allocations:

Supplies - GA

		Allocations: Allocations:		100-6320-0000-562 300-6320-0000-562			
Voucher:	048797	Invoice: Allocations: Allocations: Allocations:		Date: 600-6320-0000-562 100-6320-0000-562 300-6320-0000-562	-03 Supplies - GA	Doc Amt:	\$167.80
Voucher:	048798	Invoice: Allocations:	CAHOS61841 \$22.34	Date: 600-6320-0000-542	8/31/2023 Maintenance Supplies Supplies-TM	Doc Amt:	\$22.34
Voucher:	048799	Invoice: Allocations:	CAHOS61546 \$494.67	Date: 600-6320-0000-542	8/10/2023 Maintenance Supplies Supplies-TM	Doc Amt:	\$494.67
Voucher:	048800	Invoice: Allocations:	CAHOS61549 \$449.60	Date: 600-6320-0000-542	8/10/2023 Maintenance (Elect) Supplies Supplies-TM	Doc Amt:	\$449.60
Voucher:	048876	Invoice: Allocations:	CAHOS62132 \$271.48	Date: 600-6320-0000-542	9/22/2023 Maintenance Supplies Supplies-TM	Doc Amt:	\$271.48
Voucher:	048939	Invoice: Allocations:	CAHOS62170 \$301.60	Date: 600-6320-0000-542	9/25/2023 Maintenance Supplies Supplies-TM	Doc Amt:	\$301.60
Voucher:	048940	Invoice: Allocations:	CAHOS62063 \$1,437.63	Date: 600-6320-0000-542	9/18/2023 Maintenance (Elect) Supplies Supplies-TM	Doc Amt:	\$1,437.63
Payment I Fund 000: \$0 Fund 700	0.00	Fund	100: \$43.65 nd 803:\$0.00	Fund 300: \$21.	83 Fund 600: \$4,352.17		
Payment#	Dat	e Cl	heck Total Ven	dor ID Vendor	Name		
031600	10/19/2	2023	\$4,350.00 FO	STE Foster &	k Foster Inc		
Voucher:	A	Invoice: Allocations: Allocations: Allocations:	\$217.50	Date: 100-6230-0000-563-0 300-6230-0000-563-0 600-6230-0000-563-0	CS-Accounting 10/5/85	Doc Amt:	\$4,350.00
Payment R und 000: \$0 Fund 700	.00	Fund 1	00: \$435.00 ad 803:\$0.00	Fund 300: \$217	Fund 600: \$3,697.50		
Payment# 031601	Date 10/19/2	023 5	\$2,451.48 FR		Valves & Castings, Inc.		
Voucher:	048919 A	Invoice:	\$2,451.48	Date: 600-6337-0916-551	10/6/2023 Chem Valves Chemigation Valves (New)-CA	Doc Amt:	\$2,451.48

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$2,451.48

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date	(Check Total	Vendor ID	Vendo	r Name				
031602	10/19/2023		\$856.59	GARTO	Garto	n Tractor, I	nc.			
Voucher:	048801	Invoice:	WO780001		Date:	8/14/2023	Equipment Service	I	Doc Amt:	\$856.59

Allocations:

\$856.59 600-6482-0000-562

Equipment Maintenance-Heavy

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$856.59

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date	(Check To	tal Vei	ndor ID Vendo	r Name			
031603	10/19/2023		\$900.0)0 G	OLDEN Golde	n State Portables			
Voucher:	048961	Invoice:	54853		Date:	10/1/2023 Portable Toilet Rental	Doc Amt:	\$450.00	
	Alloca	tions:		\$450.00	600-6275-0000-542	CS-Maintenance-TM			
Voucher:	048962 Alloca	Invoice:	54852	\$450.00	Date: 600-6275-0000-542	10/1/2023 Portable Toilet Rental CS-Maintenance-TM	Doc Amt:	\$450.00	

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$900.00

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date	•	Check Total	Vendor ID	Vendor	Name			
031604	10/19/2023		S611.52	GRAIN	GRAIN	IGER			
Voucher:	048802 Alloca	Invoice: itions:	9843088346 \$85.	37 600-619	Date: 97-0000-565		Personal Equipment onal Equipment/Uniform	Doc Amt:	\$85.37
Voucher:	048803 Alloca	Invoice: tions:	9843088353 \$383.	76 600-619	Date: 7-0000-565		Personal Equipment onal Equipment/Uniform	Doc Amt:	\$383.76
Voucher:	048804 Alloca	Invoice: tions:	9802423393 \$142.3	39 600-632	Date: 0-0000-562		Maintenance Supplies blies-GA	Doc Amt:	\$142.39

Payment Responsibilities:

²und 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$611.52

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date	(Check Total	Vendor ID	Vend	or Name				
031605	10/19/2023		\$702.43	GREEN	Gree	nwood Chevr	olet			
Voucher:	048920	Invoice:	CTCS210157		Date:	10/6/2023	Vehicle Maintenance #24	Doc Amt:	\$702.43	

Allocations:

\$702.43 600-6460-0000-562

Vehicle Maintenance-GA

Payment Responsibilities:

Allocations:

Allocations:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$702.43

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date		ndor ID Vendor Na			
031606	10/19/2023		· · · · · · · · · · · · · · · · · · ·	er & Associates		
Voucher:	048805 Invoic			20/2023 Consulting Services	Doc Amt:	\$652.50
	Allocations:	\$14.50	100-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$7.25	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$123.25	600-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$43.50	100-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$21.75	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$369.75	600-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$7.25	100-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$3.63	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$61.63	600-6260-0000-563-06	CS-Computer (10/5/85)		
Voucher:	048806 Invoice	e: IVC3644	Date: 9/1	7/2022 Consulting Services	Doc Amt:	\$145.00
TOUCHEL.	Allocations:	\$14.50	100-6260-0000-563-06	7/2023 Consulting Services CS-Computer (10/5/85)	DOCAIII.	Ø17J.00
	Allocations:	\$14.30 \$7.25	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$1.25 \$123.25	600-6260-0000-563-06	CS-Computer (10/5/85)		
	Anocations:	φ123.23	000-0200-0000-303-00	C3-Computer (10/3/83)		
Voucher:	048807 Invoice	e: IVC3642	Date: 9/1	4/2023 Consulting Services	Doc Amt:	\$145.00
	Allocations:	\$14.50	100-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$7.25	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:		600-6260-0000-563-06	CS-Computer (10/5/85)		
Payment Round 000: \$0.0		nd 100: \$94.25 Fund 803:\$0.00	Fund 300: \$47.13	Fund 600: \$801.13		
Payment#	Date		dor ID Vendor Nan			
031607 Voucher:	10/19/2023 048899 Invoice		Date: 10/1	/2023 Consulting Services	Doc Amt:	\$667.50
	Allocations:	\$667.50	600-1351-0168-151	Pajaro Watershed IRWMP		
Voucher:	048937 Invoice Allocations:		Date: 10/1 600-1351-0168-151	/2023 Consulting Services Pajaro Watershed IRWMP	Doc Amt:	\$5,607.00
Payment Da	sponsibilities:					
ayment Re and 000: \$0.0	-	nd 100: \$0.00	Fund 300: \$0.00	Fund 600: \$6,274.50		
			1 4114 300. 90.00	i and 000. \$0,214.30		
Fund 700: 3	φυ.υυ I	Fund 803:\$0.00				
		Check Total Vend	lor ID Vendor Nan	ne.		
Payment#	Date	Check Iotal Yent	or any remoter than			
Payment# 031608	Date 10/19/2023		UTO Hollister Au			
031608		\$335.19 HA	UTO Hollister Au		Doc Amt:	\$179.73

Supplies-GA 10/5/85

Supplies-GA 10/5/85

\$152.77 600-6320-0000-562-06

\$17.97 100-6320-0000-562-06

Voucher:

048877

Invoice: 945279

9/27/2023 Equipment Maintenance

Doc Amt:

\$155.46

Allocations:

\$155.46 600-6482-0000-562

Equipment Maintenance-Heavy

Payment Responsibilities:

Fund 000: \$0.00

Payment#

031609

Voucher:

Fund 100: \$17.97

Fund 300: \$8.99

Date:

Fund 600: \$308.23

Fund 700: \$0.00

048809

Fund 803:\$0.00

Date

10/19/2023

\$175.30

Check Total Vendor ID HOLLA

Vendor Name

Date:

Hollister Landscape Supply 9/20/2023 Maintenance Supplies

Doc Amt:

Doc Amt:

Doc Amt:

Doc Amt:

Doc Amt:

Allocations:

Invoice:

76662

\$175.30 600-6320-0000-542

Supplies-TM

\$175.30

\$2,297.86

-\$104.53

\$5,843.57

\$119.91

Payment Responsibilities:

Fund 000: \$0.00

Payment#

031610

Voucher:

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$175.30

Fund 700: \$0.00

Fund 803:\$0.00

Date

10/19/2023

Check Total

Vendor ID \$13,626.12 **ICONI**

Vendor Name

ICONIX Waterworks Inc

Voucher: 048811 Allocations:

Invoice:

U2316029711 \$2,297.86 600-6337-0915-551

Date: 7/21/2023 Maintenance Supplies

Meters and meter repair parts-CA

048812

Allocations:

Invoice: CMU2315002055 -\$104.53 600-6320-0000-542

Date:

6/19/2023 Maintenance Supplies

Supplies-TM

Voucher: 048813

Allocations:

Invoice: U2316040095

Date:

\$5,843.57 600-6320-0000-542

\$119.91 600-6320-0000-542

9/18/2023 Maintenance Supplies

Supplies-TM

Voucher:

048814

Allocations:

Invoice: U2316035879

Date:

8/24/2023 Maintenance Supplies

Supplies-TM

Voucher: 048817

Invoice:

U2316035303

Date:

8/22/2023 Maintenance Supplies

Doc Amt:

\$2,833.60

Allocations:

Invoice: U2316040034

\$2,833.60 600-6320-0000-542

Supplies-TM

\$1,112.60

Voucher:

048878

Allocations:

\$1,112.60 600-6337-0915-551

Date:

9/15/2023 Maintenance Supplies Meters and meter repair parts-CA

Voucher:

048879

Allocations:

Allocations:

Invoice: U2316042366

Date:

\$851.96 600-6320-0000-542

\$671.15 600-6337-0915-551

9/28/2023 Maintenance Supplies

Supplies-TM

Doc Amt:

Doc Amt:

\$851.96

Voucher:

048941

Invoice: U2316044513

Date:

10/11/2023 Maintenance Supplies

Meters and meter repair parts-CA

Doc Amt:

\$671.15

Payment Responsibilities:

und 000: \$0.00

Fund 700: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$13,626.12

Fund 803:\$0.00

Payment# 031611	Date 10/19/2023		endor ID Vendor Name NDEP Independent Business Forms Inc		
Voucher:	048883 Invoice: Allocations:	\$498.10	Date: 9/15/2023 Printing Services	Doc Amt:	\$498.10
Payment I Fund 000: \$0 Fund 700		d 100: \$0.00 Fund 803:\$0.00	Fund 300: \$0.00 Fund 600: \$498.10		
Payment# 031612	Date 10/19/2023		ndor ID Vendor Name OHNS Johnson Lumber Company		
Voucher:	048820 Invoice: Allocations:		Date: 9/19/2023 Pumping Supplies 600-6321-0000-522 Supplies - Structure Equipment PM	Doc Amt:	\$7.83
Voucher:	048821 Invoice: Allocations:		Date: 9/25/2023 Maintenance Supplies 600-6320-0000-542 Supplies-TM	Doc Amt:	\$10.68
Voucher:	048822 Invoice: Allocations:		Date: 9/25/2023 600-6320-0000-542 Supplies-TM	Doc Amt:	-\$2.39
Voucher:	048823 Invoice: Allocations:		Date: 9/5/2023 District Supplies 600-6320-0000-542 Supplies-TM	Doc Amt:	\$19.65
Voucher:	048824 Invoice: Allocations:	267878 \$124.64	Date: 9/15/2023 Maintenance Supplies 600-6320-0000-542 Supplies-TM	Doc Amt:	\$124.64
Voucher:	048880 Invoice: Allocations:	268028 \$9.83	Date: 9/21/2023 Maintenance Supplies 600-6320-0000-542 Supplies-TM	Doc Amt:	\$9.83
Voucher:	048881 Invoice: Allocations: Allocations: Allocations:	\$25.07	Date: 9/14/2023 District Supplies 300-6320-0000-562-06 Supplies-GA 10/5/85 600-6320-0000-562-06 Supplies-GA 10/5/85 100-6320-0000-562-06 Supplies-GA 10/5/85	Doc Amt:	\$29.49
Voucher:	048921 Invoice: Allocations:	267471 \$104.85	Date: 8/31/2023 Maintenance Supplies 600-6320-0000-542 Supplies-TM	Doc Amt:	\$104.85
Voucher:	048922 Invoice: Allocations:	268499 \$46.94	Date: 10/11/2023 Supplies 803-6320-0000-562 Supplies (WC)	Doc Amt:	\$46.94
Voucher:	048943 Invoice: Allocations:	268551 \$166.03	Date: 10/12/2023 Maintenance Supplies 600-6320-0000-562 Supplies-GA	Doc Amt:	\$166.03
Voucher:	048981 Invoice: Allocations: Allocations: Allocations:		Date: 10/18/2023 District Supplies 300-6320-0000-562-06 Supplies-GA 10/5/85 600-6320-0000-562-06 Supplies-GA 10/5/85 100-6320-0000-562-06 Supplies-GA 10/5/85	Doc Amt:	\$26.41

\$1,500.00

Doc Amt:

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$5.59

Invoice: 1100

Allocations:

048942

Voucher:

Fund 300: \$2.80

Fund 600: \$488.64

Fund 700: \$0.00

Fund 803:\$46.94

Payment# 031613	Date 10/19/2023	c	heck Total \$591.16	Vendor ID JOHNSM	Vendor John S	Name	GU .		
Voucher:	048815	Invoice: ations:	01-01005699	.05 600-686	Date:	9/21/2023	Dump Fee ities-Disposal fees	Doc Amt:	\$181.05
Voucher:	048816 Alloca	Invoice: ations:	01-01005763 \$167	.24 600-686	Date: 0-0000-542		Dump Fee ities-Disposal fees	Doc Amt:	\$167.24
Voucher:	048818 Alloca	Invoice: ations:	01-01005715 \$127	.08 600-686	Date: 0-0000-542		Dump Fee ties-Disposal fees	Doc Amt:	\$127.08
Voucher:	048819 Alloca	Invoice: itions:	01-01005791 \$115	.79 600-686	Date: 0-0000-542	9/21/2023 Utili	ties-Disposal fees	Doc Amt:	\$115.79
Payment R Fund 000: \$0. Fund 700:		Fund	100: \$0.00 nd 803:\$0.00	Fu	and 300: \$0.0	00	Fund 600: \$591.16		
Payment# 031614	Date 10/19/2023	C	heck Total S810.00	Vendor ID KRONI	Vendor Kronicl		z,Tiedemann & Gir		
Voucher:	048825 Alloca		30903714 \$30	.00 600-621	Date: 0-0000-563		Legal Services Legal-GA	Doc Amt:	\$30.00
Voucher:	048923 Alloca		30903856 \$780.	.00 600-621	Date: 0-0000-563		Legal Services .egal-GA	Doc Amt:	\$780.00
	esponsibilities:								
Fund 700: \$0.			100: \$0.00 ad 803:\$0.00	Fu	nd 300: \$0.0	0	Fund 600: \$810.00		
Payment# 031615	Date 10/19/2023	Cł	neck Total S400.00	Vendor ID LANDS	Vendor Landsca		by Rosemary Bridw		
Voucher:	048826 Allocat		092623		Date:	9/26/2023	Landscape Plan Review General Consulting (Plan C	Doc Amt: ks/Rev)	\$400.00
Payment Refund 000: \$0.0 Fund 700:			00: \$0.00 d 803:\$400.00		nd 300: \$0.0	0	Fund 600: \$0.00		
Payment# 031616	Date 10/19/2023		eck Total	Vendor ID LITTL	Vendor : Little B'				

10/16/2023 Welding Service

CS-Maintenance-TM

Date:

\$1,500.00 600-6275-0000-542

Payment Responsibilities:

Allocations:

Allocations:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$1,500.00

Fund 700: \$0.00

Fund 803:\$0.00

Payment			Vendor ID	Vendor Name			
031617	10/19/2023	\$5,830.43	MAGGI	Maggiora Brothe			
Voucher:	048827 Invoic Allocations:		Da 00 600-6275-00		Contracted Maintenance Maintenance	Doc Amt:	\$330.00
Voucher:	048828 Invoic Allocations:		Dai 13 600-6275-00		Contracted Service Maintenance	Doc Amt:	\$5,127.13
Voucher:	048924 Invoice Allocations:	e: 109407 \$373.	Dat 30 600-6275-00		Contracted Service Maintenance-PM	Doc Amt:	\$373.30
Payment l	Responsibilities:						
Fund 000: \$0 Fund 700		nd 100: \$0.00 Fund 803:\$0.00	Fund 3	300: \$0.00	Fund 600: \$5,830.43		
Payment# 031618	Date 10/19/2023	Check Total S470.39		Vendor Name McMaster-Carr S	upply Co		
Voucher:	048829 Invoice Allocations:	: 14528219	Dat 08 600-6320-00	e: 9/19/2023	Electrical Supplies olies-TM	Doc Amt:	\$382.08
Voucher:	048884 Invoice Allocations:	: 14524292 \$88.3	Date 1 600-6320-00		Electrical Supplies plies-TM	Doc Amt:	\$88.31
Payment F Fund 000: \$0 Fund 700		nd 100: \$0.00 Fund 803:\$0.00	Fund 3	00: \$0.00	Fund 600: \$470.39		
Payment#	Date			Vendor Name	ico Modio II C		
031619	10/19/2023			Mission Village Vo		Dog Amti	£205.00
Voucher:	048900 Invoice Allocations:		Date 0 803-6865-000		Monthly Print Ad ertising/Public Info (PI)	Doc Amt:	\$305.00
Payment R Fund 000: \$0. Fund 700		d 100: \$0.00 Fund 803:\$305.00	Fund 30	00: \$0.00	Fund 600: \$0.00		
Payment# 031620	Date 10/19/2023			Vendor Name New SV Media, Inc			
Voucher:	048830 Invoice:	88531	Date	: 8/28/2023	Public Notice	Doc Amt:	\$481.50
	Allocations:		0 700-6865-000		rtising/Public Info		00.60.00
Voucher:	048831 Invoice:	89966	Date	: 9/8/2023	09/08/23 Weekly Print Ads	Doc Amt:	\$369.00

\$123.00 803-6865-0000-562

\$123.00 803-6865-0000-562

Advertising/Public Info (PI)

Advertising/Public Info (PI)

		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
Voucher:	04883	2 Invoice: Allocations:	90493	\$123.00	Date: 803-6865-0000-562	9/15/2023 09/15/23 Weekly Print Ads Advertising/Public Info (PI)	Doc Amt:	\$369.00
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
Voucher:	04883	3 Invoice: Allocations:	91083	\$123.00	Date: 803-6865-0000-562	9/22/2023 09/22/23 Weekly Print Ads Advertising/Public Info (PI)	Doc Amt:	\$369.00
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
Voucher:	04890	I Invoice: Allocations:	91603	\$123.00	Date: 803-6865-0000-562	9/29/2023 09/29/23 Weekly Print Ads Advertising/Public Info (PI)	Doc Amt:	\$369.00
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
Voucher:	048964	Invoice: Allocations:	92675	\$225.00	Date: 803-6865-0000-562	10/6/2023 Weekly Print Ad/Monthly Web Ad Advertising/Public Info (PI)	Doc Amt:	\$573.00
		Allocations:		\$225.00	803-6865-0000-562	Advertising/Public Info (PI)		
		Allocations:		\$123.00	803-6865-0000-562	Advertising/Public Info (PI)		
Voucher:	048979	Invoice: Allocations:	93198	\$123.00	Date: 803-6865-0000-562	10/13/2023 10/13/23 Weekly Print Ads Advertising/Public Info (PI)	Doc Amt:	\$123.00
Payment R Fund 000: \$0. Fund 700	.00	Fund	100: \$0.0 und 803:\$2		Fund 300: \$0.0	0 Fund 600: \$0.00		
Payment# 031621	Da 10/19/		Check Tota		dor ID Vendor I	Name Business Solutions		
Voucher:	048834	Invoice: Allocations: Allocations: Allocations:	693849-	\$755.24 \$44.43	Date: 600-6835-0000-562-0300-6835-0000-562-0100-6835-0000-562-0	Office Supplies 10/5/85 GA	Doc Amt:	\$888.52
Voucher:		Invoice: Allocations: Allocations: Allocations:	694038-6	\$286.64 \$16.86	Date: 9 600-6835-0000-562-0 300-6835-0000-562-0 100-6835-0000-562-0	Office Supplies 10/5/85 GA	Doc Amt:	.\$337.22
Voucher:	048886	Invoice:	CM6941		Date: 9	••	Doc Amt:	-\$38.73

Office Supplies 10/5/85 GA

-\$32.92 600-6835-0000-562-06

Allocations:

		Allocations: Allocations:	-\$1.94 -\$3.87		Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA		
Voucher:	048887	Invoice: Allocations: Allocations: Allocations:	CM693300-0 -\$35.91 -\$2.11 -\$4.23	Date: 9/1 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	4/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	-\$42.25
Voucher:	048888	Invoice: Allocations: Allocations: Allocations:	693304-0 \$4.69 \$0.28 \$0.55	Date: 9/1. 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	2/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	\$5.52
Voucher:	048889	Invoice: Allocations: Allocations: Allocations:	694176-0 \$21.40 \$1.26 \$2.52	Date: 9/19 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	9/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	\$25.18
Voucher:		Invoice: Allocations: Allocations: Allocations:	692902-1 \$35.91 \$2.11 \$4.23	Date: 9/13 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	1/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	\$42.25
Voucher:		Invoice: Allocations: Allocations: Allocations:	696326-0 \$30.49 \$1.79 \$3.59	Date: 10/9 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	O/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	\$35.87
Voucher:		Invoice: Allocations: Allocations: Allocations:	696699-0 \$28.02 \$1.65 \$3.30	Date: 10/1 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	1/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	\$32.96
Voucher:	1	Invoice: Allocations: Allocations: Allocations:	\$0.52	Date: 10/1 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	1/2023 Office Supplies Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA	Doc Amt:	\$10.39
Payment R Fund 000: \$0. Fund 700 Payment#	.00	Fund : Fur	100: \$129.69 nd 803:\$0.00 neck Total Vene	Fund 300: \$64.85 dor ID Vendor Nam	Fund 600: \$1,102.39		
031622	10/19/2			······································	sign Group, Inc.		
Voucher:	A	Invoice: Allocations: Allocations: Allocations:	\$27.50	Date: 6/14/ 100-6260-0000-563-06 300-6260-0000-563-06 600-6260-0000-563-06	/2023 Web Page Maintenance CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85)	Doc Amt:	\$740.00

CS-Computer (10/5/85)

CS-Computer (10/5/85)

CS-Computer (10/5/85)

\$19.00 100-6260-0000-563-06

\$9.50 300-6260-0000-563-06

\$161.50 600-6260-0000-563-06

Allocations:

Allocations:

Allocations:

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$74.00

Fund 300: \$37.00

Fund 600: \$629.00

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date		Check Total	Vendor l		or Name		
031623	10/19/2023		\$960.00	PIPAL	Pipal :	Spurzem & Liem LLP		
Voucher:	048928 Alloca Alloca	tions:	\$9 \$4	8.00 300-	Date: -6210-0000-563 -6210-0000-563	3-06 CS-Legal GA 10/5/85	Doc Amt:	\$960.00
Payment F Fund 000: \$0 Fund 700		Fun	d 100: \$96.00 und 803:\$0.00		Fund 300: \$4	8.00 Fund 600: \$816.00		
D	Data		Chash Takal	¥7	m Wanda	w No		
Payment#	Date	,	Check Total	Vendor I		r Name		
031624	10/19/2023		S912.14	PITBO		Bowes		40404:
Voucher:	048982 Alloca Alloca Alloca	tions:	\$45	5.61 300-	Date: .6450-0000-562 .6450-0000-562 .6450-0000-562	2-06 Tool & Equipment Rental GA 10/5/85 Tool & Equipment Rental GA 10/5/85	Doc Amt:	\$912.14
Payment R	esponsibilities:							
Fund 000: \$0.	00	Func	1 100: \$91.21		Fund 300: \$4:	5.61 Fund 600: \$775.32		
Fund 700	\$0.00	F	und 803:\$0.00					
Payment# 031625	Date 10/19/2023	(Check Total \$60.00	Vendor I RJRRE		r Name nvironmental Professional Servi		
Voucher:	048930	Invoice:	61314		Date:		Doc Amt:	\$60.00
Payment R ² und 000: \$0. Fund 700:		Fund	\$60 100: \$0.00 and 803:\$0.00	0.00 600-1	6860-0000-562 Fund 300: \$0.			
Payment#	Date	C	Check Total	Vendor II				
031626	10/19/2023		S945.59	ROSSI		Tire & Auto Service		000.00
Voucher:	048836 Allocati		\$1B69415 \$30	.00 600-6	Date: 5460-0000-562		Doc Amt:	\$30.00
Voucher:	048931 Allocati		S1B69874 \$915	.59 600-6	Date: 5460-0000-562	10/6/2023 Vehicle Maintenance #17 Vehicle Maintenance-GA	Doc Amt:	\$915.59

Payment Responsibilities:

und 000: \$0.00 Fund 700: \$0.00 Fund 100: \$0.00 Fund 803:\$0.00 Fund 300: \$0.00

Fund 600: \$945.59

Payment# 031627	Date 10/19/2023	Check Total \$250.00	Vendor ID SBASSES	Vendor Na San Benito	me Cty Assessors		
Voucher:	048932	Invoice: 2022-ROLI	·	Date: 10	/12/2023 2022 Secured Assessors Roll	Doc Amt:	\$250.00
	Alloca	ations: \$2	50.00 600-683	0-0000-562	Subscriptions/Publications		
Payment l	Responsibilities:	•					
Fund 000: \$0	_	Fund 100: \$0.00	Fu	nd 300: \$0.00	Fund 600: \$250.00		
Fund 700	0: \$0.00	Fund 803:\$0.00)				
Payment#	Date	Check Total	Vendor ID	Vendor Na	me '		
031628	10/19/2023	\$245.00	SBCCH		ber of Commerce		
Voucher:	048837	Invoice: 32571			/2023 Annual Membership Dues	Doc Amt:	\$245.00
	Alloca	ations: \$2	45.00 803-682		Dues and Fees		
Poyment I	Responsibilities:						
Fund 000: \$0	•	Fund 100: \$0.00	Fu	nd 300: \$0.00	Fund 600: \$0.00		
Fund 700		Fund 803:\$245.					
	. .	OL 1		** * **			
Payment#	Date 10/19/2023	Check Total \$169.15	Vendor ID SBHIG	Vendor Na	me High School District		
031629 Voucher:	048963	Invoice: 240215	Spuig		10/2023 WRA Field Trip Transportation	Doc Amt:	\$169.15
vouchet.	Alloca		59.15 803-686		Advertising/Public Info (EDU)	Doormin.	41 070
=	Responsibilities:		_	1000 000	D = 1 (00, 50 00		
Fund 000: \$0		Fund 100: \$0.00		nd 300: \$0.00	Fund 600: \$0.00		
Fund 700	: \$0.00	Fund 803:\$169.	13				
Payment#	Date	Check Total	Vendor ID	Vendor Nai			
031630	10/19/2023	\$120.00	SENTR	Sentry Alar			212222
Voucher:	048891	Invoice: 2229255			5/2023 Quarterly Monitoring CS-Operations GA 10/5/85	Doc Amt:	\$120.00
	Allocat Allocat		2.00 100-6270 6.00 300-6270		CS-Operations GA 10/5/85		
	Allocat		12.00 600-6270		CS-Operations GA 10/5/85		
	• • • • • • • • • • • • • • • • • • • •				•		
•	esponsibilities:	P 4 100 M10 00		- 1 200. @< 00	Fund 600: \$102.00		
Fund 000: \$0.		Fund 100: \$12.00	Fur	nd 300: \$6.00	Fund 600: \$102.00		
Fund 700	: \$0.00	Fund 803:\$0.00					
Payment#	Date	Check Total	Vendor ID	Vendor Nar	ne		
031631	10/19/2023	\$346.68	SHRED	Shred-it		~	024660
Voucher:	048905	Invoice: 8004851283			0/2023 Monthly Shredding Service	Doc Amt:	\$346.68
	Allocat Allocat		4.67 100-6270 7.33 300-6270		CS-Operations GA 10/5/85 CS-Operations GA 10/5/85		
	Allocat		4.68 600-6270		CS-Operations GA 10/5/85		
					•		
n	** ***/*						
Payment R							
•	esponsibilities:	Fund 100: \$24.67	P	od 300∙ €17 22	Fund 600: \$294 68		
rund 000: \$0.	00	Fund 100: \$34.67 Fund 803:\$0.00	Fur	nd 300: \$17.33	Fund 600: \$294.68		

Payment# 031632	# Date 10/19/2023	Check Total \$55,814.00	Vendor ID	Vendor N				
			SJELE		ro Systems, Inc.			
Voucher:	048892	Invoice: CD9949715			/27/2023 Scada Suppor		oc Amt:	\$55,814.00
	Allocat	ions: \$55,8	14.00 600-139	5-0929-112	SCADA telemetry t	pgrade		
-	Responsibilities:							
Fund 000: \$0	0.00	Fund 100: \$0.00	Fu	ınd 300: \$0.00	Fund 600	: \$55,814.00		
Fund 70	0: \$0.00	Fund 803:\$0.00	•					
Payment#	Date	Check Total	Vendor ID	Vendor N	ame			
031633	10/19/2023	\$115.64	SPEEDEE	SpeeDee	Oil Change and Tune U	p		
Voucher:	048838	Invoice: 331495		Date: 9/	26/2023 Vehicle Maint	enance #24 D	oc Amt:	\$115.64
	Allocati	ons: \$1	15.64 600-646	0-0000-562	Vehicle Maintenanc	e-GA		
		-				•		
						*		
Pavment I	Responsibilities:							
Fund 000: \$0	· · · · · ·	Fund 100: \$0.00	Fi	nd 300: \$0.00	Fund 600	: \$115.64		
Fund 700		Fund 803:\$0.00		500. 00.00	1 4114 000	. 4.10.01		
ruid 700	7. 30.00	1'unu 605.50.00						
Danman##	Date	Check Total	Vendor ID	Vendor N				
Payment#								
031634	10/19/2023	\$279,320.26	SSCWD-TP		e County Water Distri			0100000000
Voucher:		Invoice: INV00073			30/2023 Plant Operatio		oc Amt:	\$120,285.53
	Allocation	ons: \$120,28	5.53 600-627	0-0602-531	CS Operations - Les	salt WTP		
						*		
Voucher:		invoice: INV00072			30/2023 Plant Operation		oc Amt:	\$159,034.73
	Allocation	ons: \$159,03	4.73 600-6270	0-0603-531	CS Operations - We	st Hills WTP		
-	tesponsibilities:							
Fund 000: \$0	.00	Fund 100: \$0.00	Fu	nd 300: \$0.00	Fund 600	\$279,320.26		
Fund 700	: \$0.00	Fund 803:\$0.00						
Payment#	Date	Check Total	Vendor ID	Vendor Na	ime			
031635	10/19/2023	\$709.03	STAPL	Staples, In	c.			
Voucher:		nvoice: 3548001730		Date: 9/	22/2023 Office Furnitur	e Do	oc Amt:	\$709.03
	Allocatio)-0000-562-06	Office Furn/Equipm			
	Allocatio)-0000-562-06	• •	ent Purchase 10/5/85		
	Allocatio)-0000-562-06	Office Furn/Equipm			
	, module	Ψ00						
Payment R	esponsibilities:							
and 000: \$0.	-	Fund 100: \$70.90	Fire	nd 300: \$35.45	Fund 600:	\$602.68		
			1 111	500. 055.75	1 4.14 000.			
Fund 700:	. J U.UU	Fund 803:\$0.00						
D	Date	Charle Trade	Vander ID	Vandau XI.	ma.			
Payment#	Date	Check Total	Vendor ID	Vendor Na				
031636	10/19/2023	\$475.00	TBCCO		nunications & Media		A .	C475.00
Voucher:		ivoice: 1310			18/2023 Social Media D	- "	c Amt:	\$475.00
	Allocatio	ns· \$47·	5.00 803-6865	-0000-562	Advertising/Public In	110 (PI)		

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$0.00

Fund 700: \$0.00

Fund 803:\$475.00

		•							
Payment#			Check Total	Vendor ID		Name			
031637	10/19/2023		\$16,129.27	TODDE		Froundwat			01.161.07
Voucher:	048845 Alloc	Invoice: ations:		.25 600-13	Date: 51-A129-151	9/8/2023 AD	Engineering Services RoP-Accelerated Drought Res	Doc Amt:	\$1,161.25
			,					F	
Voucher:	048846 Alloc	Invoice: ations:		5.52 700-13	Date: 51-0221-151	9/8/2023 GS.	Engineering Services A-Grdwtr Mgmt Plan	Doc Amt:	\$2,645.52
Voucher:	048944 . Alloca	Invoice: ations:	37658 1023 \$12,322	.50 600-13	Date: 51-A129-151		Engineering Services RoP-Accelerated Drought Res	Doc Amt: ponse Project	\$12,322.50
Payment R	esponsibilities:	:							
Fund 000: \$0	.00	Fund	100: \$0.00	F	und 300: \$0.0	00	Fund 600: \$13,483.75		
Fund 700	: \$2,645.52	Fu	and 803:\$0.00						
Payment#	Date	c	Check Total	Vendor ID	Vendor	Name			
031638	10/19/2023		\$3,813.33	TOROP	Toro Po	etroleum C	Corporation		
Voucher:	048906	Invoice:	CL67711		Date:		Vehicle Fuel	Doc Amt:	\$3,813.33
	Alloca	itions:	\$33	.92 100-64	65-0000-562	Veh	icle Fuel-GA		
	Alloca	tions:	\$115	.20 300-64	65-0000-562	Veh	icle Fuel-GA		
			-						
	Alloca	tions:	\$3,270	.76 600-64	65-0000-562	Veh	icle Fuel-GA		
	Alloca	tions:	\$393	45 803-64	65-0000-562	Veh	icle Fuel		
Doymont D	esponsibilities:								
Fund 000: \$0.	-		100: \$33.92	F	und 300: \$11:	5.20	Fund 600: \$3,270.76		
Fund 700:			nd 803:\$393.45		200. WII.		_ u.i.u 000. uuju. 0170		
1 5.1.5 , 00.		• •	300.0020110						
Payment#	Date	С	heck Total	Vendor ID	Vendor	Name			
031639	10/19/2023		\$31.97	TRUEV	True Va	lue Hardy	vare		
Voucher:	048839	Invoice:	A398794		Date:	9/8/2023	Supplies	Doc Amt:	\$8.73
	Alloca	tions:	\$8.	73 803-686	55-0000-562	Adv	ertising/Public Info (PI)		

Payment Responsibilities:

048847

Fund 000: \$0.00

Voucher:

Fund 100: \$0.00

Invoice: A401071

Fund 300: \$0.00

Date:

\$23.24 803-6320-0000-562

Fund 600: \$0.00

Doc Amt:

\$23.24

Fund 700: \$0.00 Fund 803:\$31.97

Allocations:

Payment# Date **Check Total** Vendor ID

Vendor Name

Underground Republic Water Works

9/28/2023 Supplies

Supplies (Survey)

031640 10/19/2023 \$5,158.03 UNDERG Doc Amt: \$5,158.03 048945 Invoice: S100012424.001 Date: 10/3/2023 Maintenance Supplies Voucher:

Allocations:

\$5,158.03 600-6320-0000-542

Supplies-TM

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$5,158.03

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date
031641	10/19/2023

048907

Check Total \$6,650.00

Vendor ID UNIFI

Vendor Name

Unified Field Services Corporation 9/30/2023 Contracted Maintenance

\$6,650.00 Doc Amt:

Allocations:

0923697 Invoice:

Date: \$6,650.00 600-6275-0939-542

CS- Maintenance-Blue Valve Paint Project

Payment Responsibilities:

Fund 000: \$0.00

Voucher:

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$6,650.00

Fund 700: \$0.00

Fund 803:\$0.00

Payment# Date 031642 10/19/2023

048840

Check Total \$332.93

Vendor ID **USABL**

Vendor Name USA BlueBook

Invoice: INV00124584 Date:

9/5/2023 Maintenance Supplies

Doc Amt:

\$332.93

Allocations:

Allocations:

Allocations:

\$332.93 600-6320-0000-542

Supplies-TM

Payment Responsibilities:

Fund 000: \$0.00

Voucher:

Fund 100: \$0.00

Fund 300: \$0.00

Fund 600: \$332.93

General Business Exp 10/5/85

General Business Exp 10/5/85

Fund 700: \$0.00

Fund 803:\$0.00

Payment#	Date	Check Total V	endor ID	Vendor Na	me		
031643	10/19/2023	\$5,416.99 U	SBNK-CC	U.S. Bank (Corporation		
Voucher:	048912 Inv	oice: 092223BM	D	ate: 9/2:	2/2023 Monthly Statement	Doc Amt:	\$1,421.08
	Allocations	: \$33.99	600-6845-0	0000-562-06	General Business Exp 10/5/85		
	Allocations	: \$4.00	100-6845-0	0000-562-06	General Business Exp 10/5/85		
	Allocations	: \$2.00	300-6845-0	0000-562-06	General Business Exp 10/5/85		
	Allocations	: \$36.80	600-6835-0	0000-562-06	Office Supplies 10/5/85 GA		
	Allocations	: \$2.16	300-6835-0	0000-562-06	Office Supplies 10/5/85 GA		
	Allocations	: \$4.33	100-6835-0	0000-562-06	Office Supplies 10/5/85 GA		
	Allocations	: \$16.52	600-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations	: \$0.97	300-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations	\$1.94	100-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations	\$73.60	600-6320-0	000-542	Supplies-TM		
	Allocations	\$45.53	600-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$2.68	300-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$5.36	100-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$7.11	600-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$0.42	300-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$0.84	100-6835-0	000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$186.98	600-6320-0	000-542	Supplies-TM		
	Allocations:	\$40.36	600-6845-0	000-562-06	General Business Exp 10/5/85		

\$4.75 100-6845-0000-562-06

\$2.37 300-6845-0000-562-06

	Allocations:	\$32.44	600-6320-0000-542	Supplies-TM		
	Allocations:	\$12.50	100-6195-0000-565-06	Training 10/5/85 GA		
	Allocations:	\$6.25		Training 10/5/85 GA Training 10/5/85 GA		
	Allocations:	\$106.25		Training 10/5/85 GA		
		0.00,25	000 0130 0000 000 00			
	Allocations:	\$450.00	600-6275-0000-512	CS-Maintenance SSM		
	Allocations:	\$140.00	600-6275-0000-512	CS-Maintenance SSM		
	Allocations:	\$7.25	300-6320-0000-562-06	Supplies-GA 10/5/85		
	Allocations:	\$123.26	600-6320-0000-562-06	Supplies-GA 10/5/85		
	Allocations:	\$14.50	100-6320-0000-562-06	Supplies-GA 10/5/85		
	Allocations:	\$2.37	600-6275-0000-512	CS-Maintenance SSM		
	Allocations:	\$18.84	600-6835-0000-562-06	Office Supplies 10/5/85 GA		
	Allocations:	\$1.11		Office Supplies 10/5/85 GA		
	Allocations:	\$2.22	100-6835-0000-562-06	Office Supplies 10/5/85 GA		
	Allocations:		600-6835-0000-562-06	Office Supplies 10/5/85 GA		
	Allocations: Allocations:	\$1.57		Office Supplies 10/5/85 GA		
	Anocations.	J 3.14	100-6835-0000-562-06	Office Supplies 10/5/85 GA		
Voucher:	048913 Invoice:	092223SN	Date: 9/2	2/2023 Monthly Statement	Doc Amt:	\$132.00
vouciici.	Allocations:	\$60.00	803-6865-0000-562	Advertising/Public Info (PI)	Doorunt.	\$152.00
	Allocations:	\$72.00	803-6820-0000-562	Dues and Fees		
¥ / I	049015	002222114	D-4 0/2/	2/2023 Monthly Statement	Doc Amt:	\$3,323.76
Voucher:	048915 Invoice:	092223JM	Date: 9/22	ZIZUZO IVIORIIIIV SIZICINEIL	DUC AIIIL	33,323.10
	Allocations:	\$60.16		•		•
	Allocations:	\$60.16		Travel and Mileage		•
	Allocations:	\$60.16 \$60.16		•		
			600-6850-0000-562	Travel and Mileage		
	Allocations:	\$60.16 \$60.16	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562	Travel and Mileage Travel and Mileage Travel and Mileage		
	Allocations:	\$60.16	600-6850-0000-562 600-6850-0000-562	Travel and Mileage Travel and Mileage		
	Allocations: Allocations:	\$60.16 \$60.16 \$0.31	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562 100-6260-0000-563-06	Travel and Mileage Travel and Mileage Travel and Mileage CS-Computer (10/5/85)		
	Allocations: Allocations: Allocations: Allocations: Allocations:	\$60.16 \$60.16 \$0.31 \$0.16 \$2.64	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562 100-6260-0000-563-06 300-6260-0000-563-06 600-6260-0000-563-06	Travel and Mileage Travel and Mileage Travel and Mileage CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85)		
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	Allocations:	\$60.16 \$60.16 \$0.31 \$0.16 \$2.64 \$54.36 \$6.40 \$3.20 \$179.41 \$10.55 \$21.11	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562 100-6260-0000-563-06 300-6260-0000-563-06 600-6260-0000-563-06 100-6840-0000-562-06 100-6840-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06 100-6835-0000-562-06	Travel and Mileage Travel and Mileage CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA		
	Allocations:	\$60.16 \$60.16 \$0.31 \$0.16 \$2.64 \$54.36 \$6.40 \$3.20 \$179.41 \$10.55 \$21.11 \$9.17 \$0.54	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562 100-6260-0000-563-06 300-6260-0000-563-06 600-6260-0000-563-06 100-6840-0000-562-06 100-6840-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06 600-6835-0000-562-06 600-6835-0000-562-06	Travel and Mileage Travel and Mileage CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA		
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	Allocations:	\$60.16 \$60.16 \$0.31 \$0.16 \$2.64 \$54.36 \$6.40 \$3.20 \$179.41 \$10.55 \$21.11 \$9.17 \$0.54 \$1.08	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562 100-6260-0000-563-06 300-6260-0000-563-06 600-6260-0000-563-06 100-6840-0000-562-06 100-6840-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06 600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	Travel and Mileage Travel and Mileage CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Office Supplies 10/5/85 GA		
	Allocations:	\$60.16 \$60.16 \$0.31 \$0.16 \$2.64 \$54.36 \$6.40 \$3.20 \$179.41 \$10.55 \$21.11 \$9.17 \$0.54 \$1.08	600-6850-0000-562 600-6850-0000-562 600-6850-0000-562 100-6260-0000-563-06 300-6260-0000-563-06 600-6260-0000-563-06 100-6840-0000-562-06 100-6840-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06 600-6835-0000-562-06 600-6835-0000-562-06 600-6835-0000-562-06 600-6835-0000-562-06	Travel and Mileage Travel and Mileage CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) CS-Computer (10/5/85) Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Communication GA 10/5/85 Office Supplies 10/5/85 GA		
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	Allocations:	\$157.90	100-6197-0000-565-06	Personal Equipment / Uniform (10/5/	85)	
	Allocations:	\$7.00	100-6865-0000-562	Advertising/Public Info		
	Allocations:	\$3.50	300-6865-0000-562	Advertising/Public Info		
	Allocations:	\$59.50	600-6865-0000-562	Advertising/Public Info		
	Allocations:	\$800.40	600-6320-0000-542	Supplies-TM		
	Allocations:	\$122.76	300-6320-0000-512	Supplies-SSM		
	Allocations: Allocations: Allocations:		600-6835-0000-562-06 300-6835-0000-562-06 100-6835-0000-562-06	Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA Office Supplies 10/5/85 GA		
Voucher:	048935 Invoic Allocations:		Date: 9/22/ 600-6440-0000-542	2023 Monthly Statement Equipment Purchase-TM	Doc Amt:	\$540.15
Payment F Fund 000: \$0 Fund 700		and 100: \$275.58 Fund 803:\$132.00	Fund 300: \$260.55	Fund 600: \$4,748.86		
	.	O. 1				
Payment# 031644	Date 10/19/2023		dor ID Vendor Name GEO U.S. Geologie			
Voucher:	048841 Invoice		Date: 9/13/ 600-6270-0143-511	2023 Water Data Collection CS-Ops-Stream Flow Measurement-SS	Doc Amt:	\$24,067.50
	Allocations:	,	300-6270-0143-511	CS Ops-Stream Flow Measurement-SS		
Payment R Fund 000: \$0. Fund 700		nd 100: \$0.00 Fund 803:\$0.00	Fund 300: \$4,332.15	Fund 600: \$19,735.35		
Payment#	Date	Check Total Ven	dor ID Vendor Name	:		
031645	10/19/2023	·		Industrial Supply		
Voucher:	048925 Invoice Allocations:		Date: 10/6/2 600-6321-0000-542	2023 Welding Supplies Supplies-Structure Equip TDM	Doc Amt:	\$57.95
Payment R Fund 000: \$0. Fund 700:		nd 100: \$0.00 Fund 803:\$0.00	Fund 300: \$0.00	Fund 600: \$57.95		
Payment# 031646	Date 10/19/2023		dor ID Vendor Name IAL Alan Zeisbric			
Voucher:	048848 Invoice Allocations:		Date: 9/4/20 600-1503-0158-125	23 Contract Services Reach 1 Capital Improvement Project	Doc Amt:	\$350.00
	Allocations:	\$273.00	600-1503-0158-125	Reach I Capital Improvement Project		
Voucher:	048908 Invoice:	9-2023		2023 Contract Services	Doc Amt:	\$1,150.00

CS-Operations-SS0

\$110.00 300-6270-0000-511

Allocations:

Allocations:

\$990.00 600-6270-0000-541

CS-Operations-TO

Allocations:

\$25.00 600-6270-0602-531

CS Operations - Lessalt WTP

Allocations:

\$25.00 600-6270-0603-531

CS Operations - West Hills WTP

Voucher:

048909

Invoice: 9-2023P

Date:

10/3/2023 Contract Services

Doc Amt:

\$280.00

Allocations:

\$61.60 600-1503-0158-125

Reach 1 Capital Improvement Project

Allocations:

\$218.40 600-1503-0158-125

Reach 1 Capital Improvement Project

Payment Responsibilities:

Fund 000: \$0.00

Fund 100: \$0.00

Fund 300: \$110.00

Fund 600: \$1,670.00

Fund 700: \$0.00

Fund 803:\$0.00

Report Totals, Payment Fund Responsiblities

Fund 000: \$0.00

Fund 100: \$6,060.21

Fund 300: \$7,409.76

Fund 600: \$484,028.82

Fund 700:S3,127.02

Fund 803:S4,908.51

Fund 100 = District Administration

Fund 300 = Zone 3

Fund 600 = Zone 6

Fund 700 = Zone GSA

Fund 803 = Zone WRA

6,060-21+5

7,409.76+

484 . 028 . 82 +

3,127.02+

4,908.51+

505,534.32*

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San Benito County Water District Agenda Transmittal

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Agenda Item:	イス		

Meeting Date: October 25, 2023

Submitted By: Joyce Machado

Presented By: Steve Wittry

Agenda Title: Acknowledgement of Paid Claims prior to the October 2023 Board Meeting

Detailed Description: This is a notification that the checks and wire transfers listed below were issued outside the normal claims process.

Payee	Check No.	Amount	For	Issued Date	
Toro Petroleum	057849	\$7,341.71	Paid invoices CL65417& CL66685 to avoid late fees (due dates 09/14 & 10/15/23)	9/20/23	
San Benito County Clerk Office	057853	\$100.00	Filing Fees	09/26/23	
Gutierrez Consultants	057846	\$3,604.50	Lidia requested payment on invoice 1802 for July services to be paid.	09/20/23	
SSCWD	57892	\$283,373.53	August 2023 West Hills & Lessalt O&M costs	10/18/23	
Wire Transfers					
San Luis & Delta- Mendota WA	Wire Transfer	\$42,787.14	O&M delivery costs (Oct. 2023 advanced water delivery payment)	10/16/23	
USBR (pay.gov)	Wire Transfer	\$234,145.67	Water Payment	10/16/23	

Financial Impact:	X	Yes	No

Funding Source/ Recap: Fiscal Year Budget as approved

Material Included for Information/Consideration:

Copy of check requests Copy of payment stubs
Copy of Board Claims Memo
Copy of Board Claims Check Register
Copy of wire transfer request

Action Required:	Resolution _	X	Motion	Review
	Boar	d Action		
Resolution N	o Motion By		Second By	
Ayes		Abs	stained	
Noes		Abs	sent	
Reagendized	Date		No Action Taken	

Wire Transfer Requested	10/16/2023			Release date	Release date 10/16/2023	
Vendor	Invoice Date	Invoice				
		nivoice no.	חפארווחווטוו	GL Account no.	Amount	Due Date
San Luis & Delta Mendota			O&M delivery costs			
(SLDMWUSBR)	10/13/2023	101323	water delivery payment)	600-5400-000-513-07	6 47 707 14	10/16/2022
				10-CTC-0000 0010 000	\$ 44,707.14 JU/ 10/ 2023	CZ02/01/01
				Total wire transfer	C 43 707 14	
		**************************************			14,101,14	
				Daily wire activity total \$ 42,787.14	\$ 42,787.14	-

Online entry by: Charles Paws
Date 10116123

Approved for release online by: Goyce Machado by Cindy Paire

Date 10/16/23

Pay.gov payment requested	10/13/2023			Release date	10/16/2023
Vendor	Payment Recap date prepared	Invoice no.	Dacrrintian		
Bureau of Reclamation (USBR-LA)	10/13/2023	101323	Cantomher 22 / Documber 22	פר אננסמווו ווס.	*
Bureau of Reclamation (USBR-LA)	10/13/2023	101323	September 23	600-513-07	5 97,935.51
Bureau of Reclamation (USBR-LA)	10/13/2023	101323	September 23 / December 23	600-5211-0000-513-07	\$ 4,301.12 \$ 83 355 03
Bureau of Reclamation (USBR-LA)	10/13/2023	101323	September 23 / December 23	600-5251-0000-513-07	
Bureau of Reclamation (USBR-LA)	10/13/2023	101323	September 23	600-5210-0000-513-07	
				Total payment amount \$ 234,145.67	\$ 234,145.67

Online entry by: Gouyce Machado bus Cinduz Paine
Date 10116/23

Daily Pay.gov total \$ 234,145.67

MEMORANDUM

TO:

Joyce Machado or Steve Wittry

3,130:01+

4,211.70+

FROM:

Leilani Vidal

7,341.71*

DATE:

September 19, 2023

0 • *

Subject:

Manual Check Request

This is a request for a manual check to be processed as listed below:

	e and address remittance)	Amount of Request	Disposition Method: Return to Requestor / Federal Express / Regular Mail
Toro Petroleu	ım	\$7,341.71	Regular mail
308 West Ma	rket Street		
Salinas, CA 9	3901-1420		
Expense	100-6465-0000-5	62-06	
Account	300-6465-0000-5	62-06	
number(s)	600-6465-0000-5	62-06	
	803-6465-0000-5	62-A1	
Reason for	Invoice CL65417 f	for service 7/1-7/31/2	2 is due 09/14/23 and
Request:	invoice CL66685 f	for service 8/1-8/31/2	is due 10/15/23, to
_	avoid late fees we	are paying with 09/20	0/23 urgent payables.
		«	

Supporting documentation for this request:

X	Is attached	Will be returned to Accounting
		upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:

Jøyce Machado or Steve Wittry

9/19/23

Date

Toro Petroleum Corporation

Vendor

TOROP

TOROP	Toro Petroleum Corp		.672	9/20/2023	0057849	
Invoice	Date	Description				Net Amt.
CL65417	7/31/2023	Vehicle Fuel				\$3,130.01
CL66685	8/31/2023	Vehicle Fuel			٠	\$4,211.70
		,				
•						
		•				
*						
	^	Vehicle Fuel				\$7,341.71
		veniere ruer				47,511.71
Cash	.00 10 70 10 10 10 10 10 10 10 10 10 10 10 10 10			0/0/0000		\$0.00
Check				0/0/0000		\$0.00
Credit Card				0/0/0000		\$0.00
			•			
istribution Messages:						
ork Messages:						
ork nessages.						
100-6465-0000-562-06	Vehicle Fuel-GA		\$20.15		Juy usage 🖊	-
000-2001-0000-000-00	Master Accounts Pa	yable	\$0.00	\$3,130.01		•
300-6465-0000-562-06	Vehicle Fuel-GA		\$111.19		July usage	
600-6465-0000-562-06 803-6465-0000-562-A1	Vehicle Fuel-GA Vehicle Fuel		\$2,639.87		July usage /	
003-0403-0000-302-AI	venicie ruei		\$358.80	30.00	July usage	
ype Voucher Number	Document Numbe	r Document D	ate Vendor Name	Terms	Disc Avail	Document Total
Purc	 chases					
			/			
NV 048752	CL66685	8/31/202	3 Toro Petroleum	Corporation ~		\$4,211.70
\$4,2	211.70 Vehicle Fuel					
ayment Information (Checkbook/Card Paym	ent Number	Document	Date		Amount
Cash	moonwoon, out a raym	one namor	250mione	0/0/0000	**	\$0.00
Check				0/0/0000		\$0.00
Credit Card			•	0/0/0000		\$0.00
- 6 - 2 h - 6 d 2 d						
stribution Messages:						
ork Messages:						
	/					
100-6465-0000-562-06	Vehicle Fuel-GA		\$30.95		August usage	
00-2001-0000-000-00	Master Accounts Pay	yable	\$0.00	\$4,211.70		,
00-6465-0000-562-06	Vehicle Fuel-GA / Vehicle Fuel-GA		\$114.51	\$0.00	August usage	,
600-6465-0000-562-06 603-6465-0000-562-A1	Vehicle Fuel-GA Vehicle Fuel >		\$3,705.18 \$361.06	\$0.00 \$0.00	August usage August usage	/
TA-20C-0000-C040	AGUITOTE LUGIT >		320T*00	90.00	nugust usage	
Input By:	Date:	lst Reviewer:	2nd Reviewer:			
() ()	ONIOLO	\bigcap				
71	7/11/11/2					
()	•	Date:	Date:			
		9/19/23		₹7=	lan Matal.	67 241 71
				venc	lor Total:	\$7,341.71

Account

0071672

Date

9/20/2023

0057849

MEMORANDUM

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Joyce Machado or Steve Wittry

FROM:

Leilani Vidal

DATE:

September 18, 2023

Subject:

Manual Check Request

This is a request for a manual check to be processed as listed below:

	e and address remittance)	Amount of Request	Disposition Method: Return to Requestor / Federal Express / Regular Mail
Gutierrez Con 118 Diablo R Danville, CA	anch Court	\$3,604.50	Regular mail
Expense Account number(s)	600-1351-0168-1	51-02	
Reason for Request:		ed 9/17/23) for service roice to be paid as soor	

Supporting documentation for this request:

x
Is attached
Will be returned to Accounting upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:		
Joyce Machado or Steve Wittry	9/18/23	
Joyce Machado or Steve Wittry	Date	

Vendor

GUTIE Invoice

1802

Gutierrez Consultants

Date

Description

9/17/2023

Consulting Services

Account

9/20/2023

Date

0057846

Net Amt.

\$3,604.50

Consulting Services

\$3,604.50

Cash Check

Credit Card

0/0/0000 0/0/0000

\$0.00 \$0.00

Distribution Messages:

Work Messages:

600-1351-0168-151-02 000-2001-0000-000-00 Pajaro Watershed IRWMP

Master Accounts Payable

\$3,604.50

\$0.00

\$0.00 7/1-7/31/23 R2 🗸

\$3,604.50

Date:

1st Reviewer:

2nd Reviewer:

Date:

Vendor Total:

\$3,604.50

<u>MEMORANDUM</u>

TO:

Joyce Machado or Steve Wittry

FROM:

Leilani Vidal

DATE:

October 18, 2023

Subject:

Manual Check Request

This is a request for a manual check to be processed as listed below:

Vendor name and address (for remittance)		Amount of Request	Disposition Method: Return to Requestor / Federal Express / Regular Mail
Sunnyslope County Water District 3570 Airline Highway Hollister, CA 95023-9702		\$283,373.53	Return to requestor
Expense Account number(s)	600-6270-0602-5 600-6270-0603-5		
Reason for Request: This payment is for August 2023 West Hills & Lessalt O& costs. The District has received all supporting documents the operator and the invoices have been approved for payrents.			orting documents from

Supporting documentation for this request:

\sim α P	por ting accommentation for the same		
х	Is attached	Will be returned to Accounting	
		upon receipt	

Please sign below as approval for issuance of this manual payment.

Approved by:

Joyce Machado or Steve Wittry

Date

30 MANSFIELD RD, HOLLISTER, CA 95023

05/892

Vendor		Account	Date		
SSCWD-TP	Sunnyslope County	Water District	10/18/2023	0057892	
Invoice	Date	Description			Net Amt.
INV00068	8/31/2023	Plant Operations- Lessalt			\$139,449.43
INV00067	8/31/2023	Plant Operations- West Hills			\$143,924.10

Plant Operations- West Hills

\$283,373.53

MEMORANDUM

7	$\Gamma \cap$	

Joyce Machado or Steve Wittry

FROM:

David Macdonald

DATE:

09/26/2023

Subject:

Manual Check Request

This is a request for a manual check to be processed as listed below:

Vendor name and address (for remittance)		Amount of Request	Disposition Method: Return to Requestor / Federal Express / Regular Mail
County Clerk -County of San Benito 440 5 th Street, 2 nd Floor, Room 206 Hollister, CA 95023		\$50.00	Return to Requestor
Expense Account number(s)	700-6865-0000-5	62-06	
Reason for Request: Notice of exemption fee for the county.			

Supporting documentation for this request:

X	Is attached	Will be returned to Accounting
		upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:

Joyce Machado or Steve Wittry

9/26/23 Date Vendor Account

SBCCLERK San Benito County Clerk

Invoice Date Description

092623 9/26/2023 Filing Fee

092623A 9/26/2023 Filing Fee

9/26/2023

Date

0057853

Vendor Total:

\$50.00 \$50.00

Filing Fee

\$100.00

\$100.00

9						
Cash Check Credit Card				0/0/0000 0/0/0000 0/0/0000		\$0.00 \$0.00 \$0.00
Distribution Messages	:					
Work Messages:						
700-6865-0000-562-06 000-2001-0000-000-00			\$50.00 \$0.00	\$0.00 \$50.00	Notice of ex	kemption
Type Voucher Number	Document Number	Document Date	Vendor Name	Terms	Disc Avail	Document Total
Pu	rchases					
INV 048763	092623A \$50.00 Filing Fee	9/26/2023	San Benito County	Clerk		\$50.00
Payment Information Cash Check Credit Card	Checkbook/Card Payment Nu	umber Doc	cument	Date 0/0/0000 0/0/0000 0/0/0000		Amount \$0.00 \$0.00 \$0.00
Distribution Messages						
Work Messages:						
600-6275-0939-542-02 000-2001-0000-000-00	CS- Maintenance-Blue Val Master Accounts Payable	ve Pai	\$50.00 \$0.00	\$0.00 \$50.00	Notice of ex	remption
Input By:	Date: 1st Re	viewer:	2nd Reviewer:			
	9/20/23 Date	F	Date:			

MEMORANDUM

Steve Wittry

ΓO:	Jovce	Machado	or
~ ~ .		*********	

FROM: David Macdonald

DATE: 09/26/2023

Subject: Manual Check Request

This is a request for a manual check to be processed as listed below:

Vendor name and address (for remittance)		Amount of Request	Disposition Method: Return to Requestor / Federal Express / Regular Mail
County Clerk -County of San Benito 440 5 th Street, 2 nd Floor, Room 206 Hollister, CA 95023		\$50.00	Return to Requestor
Expense Account number(s)	600-6275-0939-5	42-02	
Reason for Request: Notice of exemption fee for the county.			

X	Is attached	Will be returned to Accounting
		upon receipt

Please sign below as approval for issuance of this manual payment.

Approved by:

Joyde Machado or Steve Wittry

9/26/03

INV

600-6275-0939-542-02

000-2001-0000-000-00

CS- Maintenance-Blue Valve Pai

1st Reviewer:

Master Accounts Payable

Date:

\$0.00 Notice of exemption

Vendor Total:

\$100.00

\$50.00

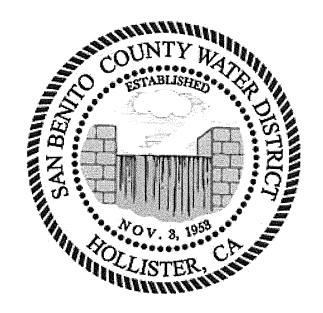
Vendor Account Date 0057853 SBCCLERK San Benito County Clerk 9/26/2023 Net Amt. Invoice Date Description 092623 9/26/2023 Filing Fee \$50.00 \$50.00 Filing Fee 092623A 9/26/2023 \$100.00 Filing Fee 0/0/0000 \$0.00 Cash 0/0/0000 \$0.00 Check 0/0/0000 \$0.00 Credit Card Distribution Messages: Work Messages: \$0.00 Notice of exemption 700-6865-0000-562-06 Advertising/Public Info \$50.00 000-2001-0000-000-00 \$0.00 \$50.00 Master Accounts Payable Document Total Voucher Number Document Number Document Date Vendor Name Terms Disc Avail Purchases \$50.00 048763 092623A 9/26/2023 San Benito County Clerk \$50.00 Filing Fee Amount Payment Information Checkbook/Card Payment Number Document Date 0/0/0000 \$0.00 Cash 0/0/0000 \$0.00 Check 0/0/0000 \$0.00 Credit Card Distribution Messages: Work Messages:

\$50.00

\$0.00

2nd Reviewer:

Date:



Agenda Item # 4

SAN BENITO COUNTY WATER DISTRICT QUARTERLY INVESTMENT REPORT QUARTER ENDING

SEPTEMBER 30, 2023

Page no(s).	Title	Source	
1	Quarterly Investment Report Recap	District Staff	
2	Summary of Cash and Investments	District Staff	
3	PMIA / LAIF Performance Report	California State Treasurer's Office	
4	Summary of CalPERS CERBT Trust (OPEB)	District Staff	
5 - 16	Investment Statement 9/30/2023	Union Banc Investment Services	

October 6, 2023

Submitted by:

Cindy Paine, Supervising Accountant

Reviewed by:

Joyce Machado, Manager of Administration, Finance and Business Services

SAN BENITO COUNTY WATER DISTRICT

QUARTERLY INVESTMENT REPORT

QUARTER ENDING SEPTEMBER 30, 2023

Investment activity:

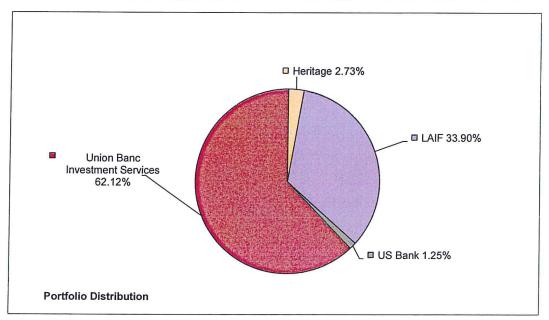
- The Local Agency Investment Fund's interest rate increased from 3.167% at June 30, 2023 to 3.534% at September 30, 2023. The balance reflects interest earned for the prior quarter of \$120,947 and the current quarter net operating activity.
- The California Employers' Retirement Benefit Trust (CERBT) statement for the period July through September was not available as of this report date. The balance at June 30, 2023 was \$943,914.
- The Union Banc Investment Services account statement is attached and reflects accrued interest and gain or loss. The portfolio value at September 30, 2023 was \$47,565,047.

Liquidity Requirements:

There are adequate liquid reserves available in the LAIF account to fund six months of operating expenditures (\$4.7 million) as required in the Investment Policy, Section V., 2. In addition, the funds held in Heritage Bank are sufficient to cover at least two months of District expenses (\$1.6 million) which meets the Investment Policy requirements per Section IV., 1. b.

SAN BENITO COUNTY WATER DISTRICT SUMMARY OF CASH AND INVESTMENTS AS OF SEPTEMBER 30, 2023

CASH SUMMARY FOR ALL DISTRICT HELD ACCOUNTS (By Institution)									
		UNRI	STRICTED	RESTR	ICTED				
Date	US Bank	LAIF	Heritage Bank	Union Banc Investment Services	LAIF Restricted Reserve	Union Banc Investment Services	Total Cash and Investments		
6/30/2023	4,058,489	19,742,028	2,103,899	25,406,461	325,000	25,443,461	77,079,339		
9/30/2023	969,175	25,862,975	2,107,822	19,043,120	325,000	28,956,802	77,264,894		
Net Change	\$ (3,089,314)	\$ 6,120,947	\$ 3,923	\$ (6,363,341)	\$ -	\$ 3,513,341	\$ 185,555		



		CAS	H SUMMARY BY ZO	NE OF BENEFIT			
Date	-	Zone 1	Zone 3	Zone 6	Groundwater Sustainability Agency	WRA (Fiduciary Funds)	Total Cash and Investments
6/30/2023	End of quarter (as reported)	2,187,197	5,355,635	68,450,757	434,595	651,155	77,079,339
6/30/2023	Reclass at FYE	(13)	(7)	50,219	-	(50,199)	77,079,339
9/30/2023	End of quarter	2,150,663	5,294,387	68,648,722	433,682	737,440	77,264,894
	Net Change	\$ (36,520)	\$ (61,242)	\$ 147,745	\$ (913)	\$ 136,485	\$ 185,555
	% of total cash (by Zone)	2.78%	6.85%	88.85%	0.56%	0.95%	

		LOCA	L AG	Activity for qu						
	_						Groundwater Sustainability	WRA		
Date		Zone 1		Zone 3		Zone 6	Agency	(Fiduciary Funds)	Ov	erall Balance
6/30/2023	Balance forward:	\$ 976,352	\$	1,091,568	\$	17,118,912	331,970	548,227	\$	20,067,028
6/30/2023	Reclass at FYE	-		-		-	-		\$	20,067,028
7/15/2023	Quarterly Interest	6,917		7,736	6	100,058	2,354	3,881	\$	20,187,975
7/31/2023	Transfer in (out)	150,000		200,000		1,650,000		-	\$	22,187,975
	Transfer in (out)	_		-		-	-	-	\$	22,187,975
9/30/2023	Transfer in (out)	_		-		3,800,000	-	200,000	\$	26,187,975
	BALANCE BY ZONE	\$ 1,133,270	\$	1,299,304	\$	22,668,969	\$ 334,324	\$ 752,108	\$	26,187,975

NOTE - Allocation of cash by zone (restricted and unrestricted) is subject to reconciliation changes quarterly and at year end.



PMIA/LAIF Performance Report as of 09/14/23



Quarterly Performance Quarter Ended 06/30/23

PMIA Average Monthly Effective Yields⁽¹⁾

LAIF Apportionment Rate ⁽²⁾ :	3.15	August	3.434
LAIF Earnings Ratio ⁽²⁾ :	0.00008636172883763	July	3.305**
LAIF Administrative Cost (1)*:	0.06	June	3.167
LAIF Fair Value Factor ⁽¹⁾ :	0.984828499	May	2.993
PMIA Daily ⁽¹⁾ :	3.26	April	2.870
PMIA Quarter to Date ⁽¹⁾ :	3.01	March	2.831
PMIA Average Life ⁽¹⁾ :	260		

Pooled Money Investment Account Monthly Portfolio Composition (1) 08/31/23 \$168.1 billion

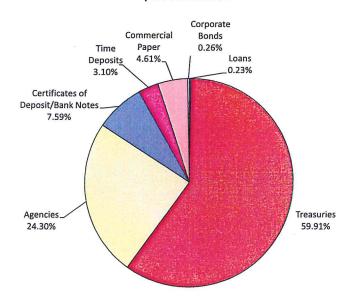


Chart does not include \$2,496,000.00 in mortgages, which equates to 0.002%. Percentages may not total 100% due to rounding.

Daily rates are now available here. View PMIA Daily Rates

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

*The percentage of administrative cost equals the total administrative cost divided by the quarterly interest earnings. The law provides that administrative costs are not to exceed 5% of quarterly EARNINGS of the fund. However, if the 13-week Daily Treasury Bill Rate on the last day of the fiscal year is below 1%, then administrative costs shall not exceed 8% of quarterly EARNINGS of the fund for the subsequent fiscal year.

** Revised

Source:

(1) State of California, Office of the Treasurer (2) State of Calfiornia, Office of the Controller

SAN BENITO COUNTY WATER DISTRICT

Summary

CALPERS California Employers' Retiree Benefit Trust (CERBT) for Other Post Retirement Benefits (OPEB) as of September 30, 2023

DATE	11	IVESTMENT	WITHDRAWAL	I GA	IN / (LOSS)	BALANCE
10/1/2020					,	\$ -
11/20/2020	\$	76,889				\$ 76,889
12/16/2020	\$	76,889				\$ 153,778
12/31/2020				\$	3,691	\$ 157,469
1/27/2021	\$	76,889				\$ 234,358
2/24/2021	\$	76,889		,		\$ 311,247
3/31/2021	\$	76,889			2	\$ 388,136
3/31/2021				\$	5,164	\$ 393,301
6/7/2021	\$	76,889				\$ 470,190
6/8/2021	\$	76,889				\$ 547,079
6/30/2021				\$	23,558	\$ 570,636
7/20/2021	\$	76,889				\$ 647,525
7/21/2021	\$	76,889				\$ 724,414
8/26/2021	\$	76,889				\$ 801,303
9/30/2021	\$	76,889				\$ 878,192
9/30/2021				\$	(7,043)	\$ 871,149
10/29/2021	\$	76,889				\$ 948,038
11/29/2021	\$	76,889				\$ 1,024,927
12/31/2021				\$	45,139	\$ 1,070,066
3/31/2022				\$	(50,287)	\$ 1,019,779
6/30/2022				\$	(132,418)	\$ 887,360
9/30/2022				\$	(64,577)	\$ 822,783
12/31/2022				\$	56,209	\$ 878,992
3/31/2023				\$	41,224	\$ 920,216
6/30/2023				\$	23,697	\$ 943,914
9/30/2023 (*)			***************************************			
TOTAL	\$	999,557	\$ -	\$	(55,643)	\$ 943,914

^(*) End of quarter statement was not available from CERBT at time of this investment report. Investment gain or (loss) for the current quarter will be reported in the following quarter's investment report.

Page 1 of 12

09/23

06/23

ENV# CEBPJRFWBBHBVSH BBBBB UNIONBANC INVESTMENT SERVICES PO BOX 513100 LOS ANGELES, CA 90051-1100 SAN BENITO COUNTY WATER DISTRICT 30 MANSFIELD RD HOLLISTER CA 95023

UnionBanc Investment Services STATEMENT FOR THE PERIOD SEPTEMBER 1, 2023 TO SEPTEMBER 30, 2023

SAN BENITO COUNTY WATER DISTRICT - Corporation

Account Number: WBB-023302

For questions about your accounts: Local: 213 356 2367 INSTITUTIONAL SALES SPECIALIST Mark Kreymer RR#: 350

TOTAL VALUE OF YOUR PORTFOLIO

\$47,565,047.00

50.857

53.203

48.512

46.166 43.821

CHANGE IN VALUE OF YOUR PORTFOLIO \$ millions

Change In Value Of Your Portfolio information can be found in Miscellaneous Foomotes at the end of this statement.

09/22

Account carried with National Financial Services LLC, Member NYSE, SIPC

UNIONBANC INVESTMENT SERVICES

MN _CEBPJRFWBBHBVSH_BBBBB 20230929

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



Account Overview

TO A		日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日
CHANGE IN ACCOUNT VALUE	Current Period	Year-to-Date
BEGINNING VALUE	\$47,545,732.00	\$47,906,811,00
Additions and Withdrawals	\$0.00	(\$1,623,566.37)
Misc. & Corporate Actions	\$0.00	\$0.00
Income	\$0.00	\$741,900.00
Taxes, Fees and Expenses	\$0.00	80.00
Change in Value	\$19,315.00	\$539,902.37
ENDING VALUE (AS OF 09/30/23)	\$47,565,047.00	\$47.565.047.00
Total Accrued Interest	\$222,785.99	
Ending Value with Accrued Interest	\$47,787,832.99	

Refer to Miscellaneous Footnotes for more information on Change in Value.

NCOME	okazy egyöngiyesi iqossuccetes aktoropozicopozicopokatorokatorokasy aktoropozicos aktoropozico	roquestrope gravitant directory of processors
FAXABLE	Current Period	Year-to-Date
Taxable Interest	\$0.00	\$741,900.00
TOTAL TAXABLE	\$0.00	\$741,900.00
FOTAL INCOME	\$0.00	\$741,900.00

Taxuble income is determined based on information available to NFS at the time the statement was prepared, and is subject to change. Final information on taxation of interest and dividends is available on Form 1099-Div, which is mailed in February of the subsequent year.

REALIZED GAIN (LOSS)	Current Period	Year-to-Date
Short Term Gain	\$0.00	00 0\$
Short Term Loss	00.08	\$0.00
Disallowed Short Term Loss	00.08	\$0.00
TOTAL SHORT TERM GAIN (LOSS)	\$0.00	80.00

ACCOUNT ALLOCATION



U.S. Treasury / Agency Sec. 100.0%

\$47,565,047.00	\$47,545,732.00	100.0 %	TOTAL
\$47,565,047.00	\$47,545,732.00	100.0 %	U.S. Treasury / Agency Sec.
Current Period	Prior Period	Percent	

Account Allocation shows the percentage that each asset class represents of your total account value. Account Allocation for equities, fixed income, and other categories may include mutual funds and may be net of short positions. NFS has made assumptions concerning how certain mutual funds are allocated. Closed-end mutual funds and Exchange Traded Products (ETPs) listed on an exchange may be included in the equity allocation. The chart may not reflect your actual portfolio allocation. Consult your broker/dealer prior to making investment decisions.

Account carried with National Financial Services LLC, Member NYSE, SIPC

Statement for the Period September 1, 2023 to September 30, 2023

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



13302

Account Overview continued

Long Term Gain \$0.00 \$11,578.12 Long Term Loss \$0.00 \$0.00 Disallowed Long Term Loss \$0.00 \$0.00 TOTAL LONG TERM GAIN (LOSS) \$0.00 \$11,578.12	REALIZED GAIN (LOSS) continued	Current Period	Year-to-Date
\$0.00 \$0.00 \$0.00	Long Term Gain	\$0.00	\$11.578.12
\$0.00	Long Term Loss	\$0.00	00.08
\$0.00	Disallowed Long Term Loss	\$0.00	80.00
	TOTAL LONG TERM GAIN (LOSS)	\$0.00	\$11.578.12

NFS-provided cost basis, realized gain (loss) and holding period information may not reflect all adjustments necessary for your tax reporting purposes. Please refer to Footnotes and Cost Basis Information at the end of this statement for more information.

MESSAGES AND ALERTS

MN _CEBPJRFWBBHBVSH_BBBBB 20230929

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



Holdings

NFS-provided cost basis, realized gain (loss) and holding period information may not reflect all adjustments necessary for tax purposes. Please refer to Footnotes and Cost Basis Information at the end of this

AI (Accrued Interest) - Represents interest accumulated since the last coupon date, but not yet paid by the issuer or received by NFS. There is no guarantee that AI will be paid by the issuer

For additional information regarding your holdings, please refer to the footnotes at the end of the statement

FIXED INCOME - 100.00% of Total Account Value

ALERT: You have a fixed income position due to mature within the next 90 days.

For an explanation of fixed income pricing, please see the last page. Redemption schedule(s), bond rating(s), and other information are provided where available. If information does not appear regarding a particular

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Description	Symbol/Cusip Account Type	Quantity	Estimated Price on 09/30/23	Estimated Current Market Value	Estimated Annual Income	Original/Adjusted Cost Rasis	Unrealized
U.S. Treasury / Agency Securities					The state of the s		Canil (EOSS)
UNITED STATES TREAS SER AE-2023 2.87500% 10/31/2023 NTS NOTE	9128285K2 CASH	5,000,000	\$99.803	\$4,990,150.00	\$143,750.00	\$5,003,125.00	
MOODY'S Aaa	בפאס						
CPN PMT SEMI-ANNUAL							
ON APR 30, OCT 30							
Next Interest Payable: 10/31/23							
Accrued Interest \$60156.25							
Average Unit Cost \$100.00							
Adjusted Cost Basis							
YTD Amortized Premium	\$1,133.78 E					\$5,000,193.72 D	(\$10,043.72)

MN _CEBPJRFWBBHBVSH BBBBB 20230929

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



FIXED INCOME continued

Description	Symbol/Cusip Account Type	Quantity	Estimated Price on 09/30/23	Estimated Current Market Value	Estimated Annual Income	Original/Adjusted	Unrealized
UNITED STATES TREAS SER R-2023 1.62500% 10/31/2023 NTS NOTE MOODY'S Aaa CPN PMT SEMI-ANNUAL ON APR 30, OCT 30 Next Interest Payable: 10/31/23 Accrued Interest \$19380.77 Average Unit Cost \$99.16 Adjusted Cost Basis Unrealized Market Discount Income	912828191 CASH CASH \$12,404.65 Q	2,850,000	\$99.703	\$2,841,535,50	\$46,312.50	\$2,825,953.13 \$2,825,953.13 D	S15,582.37
FEDERAL HOME LN MTG CORP MTN 2.80000% 12/29/2023 MOODY'S Aaa /S&P AA+ CPN PMT SEMI-ANNUAL ON DEC 29, JUN 29 Next Interest Payable: 12/29/23 Accrued Interest \$11448.89 Average Unit Cost \$100.00		1,600,000	\$99.352	\$1,589,632.00	\$44,800.00		
UNITED STATES TREAS SER AW-2024 0.87500% 91282CDV0 0131/2024 NTS NOTE CASH MOODY'S Aaa CPN PMT SEMI-ANNUAL ON JUL 31, JAN 31 Next Interest Payable: 0131/24 Accrued Interest \$4201,42 Average Unit Cost \$97,47 Adjusted Cost Basis United Cost Basis United Cost Basis United Sept. 174,60, 184,174,174,174,174,174,174,174,174,174,17	% 91282CDV0 CASH CASH S31 734 60 O	2,850,000	\$98.512	\$2,807,592.00	\$24,937.50	\$1,000,000,00 \$2,777,859.38 \$2,777,859.38 D	(\$10,368.00) \$29,732.62
UNITED STATES TREAS SER AZ-2024 2.25000% 03/31/2024 NTS NOTE MOODY'S Aaa CPN PMT SEMI-ANNUAL ON SEP 30, MAR 30 Next Interest Payable: 03/31/24 Accrued Interest \$461.06 Average Unit Cost \$98.30	1	7,500,000	\$98.434	\$7,382,550.00	\$168,750.00	\$7,372,265.63	

UNIONBANC INVESTMENT SERVICES

MN _CEBPJRFWBBHBVSH_BBBBB 20230929

Account carried with National Financial Services LLC, Member NYSE, SIPC

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



FIXED INCOME continued

Description	Symbol/Cusip Account Type	Ouantity	Estimated Price on 09/30/23	Estimated Current Market Value	Estimated	Original/Adjusted	Unrealized	pez
UNITED STATES TREAS SER AZ-2024 2.25000% Adjusted Cost Basis Unrealized Market Discount Income	91282CEG2 \$63,194.56 Q	continued					Gain (Loss) D \$10,284.37	ss)
UNITED STATES TREAS SER Y-2024 2.25000% 04/30/2024 NTS NOTE MOODY'S Aaa CPN PMT SEMI-ANNUAL ON OCT 31, APR 31 Next Interest Payable: 10/31/23 Accrued Interest \$21656.25 Average Unit Cost \$899.59 Adjusted Cost Basis Unrealized Market Discount Income	9128286R6 CASH CASH \$3,565.04 Q	2,300,000	\$98.172	\$2,287,956.00	\$51,750.00	\$2,290,656,25	D (\$32,700.25)	.25)
UNITED STATES TREAS SER AP-2024 0.25000% 06/15/2024 NTS NOTE MOODY'S Aaa CPN PMT SEMI-ANNUAL ON DEC 15, JUN 15 Next Interest Payable: 12/15/23 Accrued Interest \$1844.26 Average Unit Cost \$94.50 Adjusted Cost Basis Unrealized Market Discount Income	, 91282CCG4 CASH CASH \$68,377.86 Q	2,500,000	\$96.41	\$2,410,250.00	\$6,250.00	\$2,362,500.00	D \$47,750.00	00
UNITED STATES TREAS SER BG-2024 3.25000% 08/31/2024 NTS NOTE MOODY'S Aaa CPN PMT SEMI-ANNUAL ON FEB 28, AUG 28 Next Interest Payable: 02/29/24 Accrued Interest \$13839.29 Average Unit Cost \$100.06 Adjusted Cost Basis YTD Amortized Premium	CASH CASH CASH \$3,075.63 E	5,000,000	\$98.012	\$4,900,600.00	\$162,500.00	\$5,006,250.00	D (\$102,314.83)	83)
FEDERAL HOME LOAN BA SER A2-9024 3.00000% 11/25/2024 MOODY'S Aaa /S&P AA+ CPN PMT SEMI-ANNUAL	3130AS5H8 CASH	2,000,000	\$97.839	\$1,956,780.00	\$60,000.00	\$2,000,000.00		as a management of

UNIONBANC INVESTMENT SERVICES

MN _CEBPJRFWBBHBVSH_BBBBB 20230929

Account carried with National Financial Services LLC, Member NYSE, SIPC

Account carried with National Financial Scrvices LLC, Member NYSE, SIPC

Statement for the Period September 1, 2023 to September 30, 2023

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



FIXED INCOME continued

Description	Symbol/Cusip Account Type	Ouantity	Estimated Price on 09/30/23	Estimated Current Market Value	Estimated Annual Income	Original/Adjusted Cost Raeis	Unrealized
FEDERAL HOME LOAN BA SER A2-9024 ON NOV 25, MAY 25 Next Interest Payable: 11/25/23 CALLABLE ON 11/25/2023 @ 100.0000 STEP COUPON RESET FREQUENCY TERM MODE NEXT RESET 11/25/2023 @ 3.50000 Accrued Interest \$20833.33 Average Unit Cost \$100.00	3130AS5H8	continued					(2007)
UNITED STATES TREAS SER AK-2025 1.50000% 91282CDZ1 02/15/2025 NTS NOTE MOODY'S Aaa CPN PMT SEMI-ANNUAL ON AUG 15, FEB 15 Next Interest Payable: 02/15/24 Accrued Interest \$647.80 Advised Cost Basis Linguised Cost Basis	91282CDZ1 CASH	3,350,000	\$94.992	\$3,182,232.00	\$50,250.00		(\$27,486.75)
UNITED STATES TREAS SER AN-2025 2.75000% 91282CEC0 65/15/2025 NTS NOTE CASH MOODY'S Aaa MOODY'S Aaa CCP PMT SAAANUUAL ON NOV 15, MAY 15, Next Interest Payable: 11/15/23 Accrued Interest \$20774.46 Average Unit Cost \$100.05 Adjusted Cost Basis	. 91282CEG0 CASH	2,000,000	\$96.199	\$1,923,980.00	\$55,000.00	\$2,001,875.00 \$2,001,036,74 D	(577 054 74)
UNITED STATES TREAS SER AD-2025 0.25000% 09/30/2025 NTS NOTE MOODY'S ABA ON MAR 31, SEMI-ANNUAL ON MAR 31, SEP 31 Next Interest Payable: 03/30/24 Accrued Interest	\$306.95 E 91282CAM3 CASH	3,350,000	\$91.00	\$3,048,500.00	\$8,375.00		

MN _CEBPJRFWBBHBVSH_BBBBB 20230929

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



FIXED INCOME continued

UNIONBANC INVESTMENT SERVICES

MN _CEBPJRFWBBHBVSH_BBBBB 20230929

Account carried with National Financial Services LLC, Member NYSE, SIPC

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



HOLDINGS > continued

(\$425,098.31)	(\$425,098.31)
\$47,990,145.31	\$47,990,145.31
\$982,737.50	\$982,737.50
\$47,565,047.00	FOLIO VALUE 847,565,047.00
Total Securities	TOTAL PORTFOLIO VALUE

Footnotes and Cost Basis Information

short-term instruments, Unit Investment Trusts, foreign fixed income securities, or those that are subject to early prepayment of principal (pay downs). Where current year premium or acquisition premium Amortization, accretion and similar adjustments to cost basis have been provided for many fixed income securities (and some bond-like equities), however, they are not provided for certain types, such as amortization is provided, the prior years' cumulative amortization is reflected in the adjusted cost basis, but we cannot provide a breakdown or the total of such prior amortization amounts

NFS is required to report certain cost basis and related information to the IRS on the Form 1099-B. Your official 1099-B forms for certain transactions will reflect which lots have been sold for tax purposes. To apply a specific identification cost basis method to 1099-B reporting, appropriate instructions must be on file with NFS or be received by NFS before the trade has settled. Absent such instructions, NFS elected to use another default method. NFS applies FIFO (or other disposal method, if applicable) based on its records, which may be different from yours. For transactions that are not subject to 1099-B determines cost basis at the time of sale based on its default methods of average cost for open-end mutual funds and first-in, first-out (FIFO) for all other (including ETFs) unless your broker dealer has cost basis reporting, you should refer to your trade confirmations and other applicable records to determine which lots were considered sold for tax purposes.

While NFS must meet IRS requirements with respect to certain information required to be reported to the IRS, NFS-provided cost basis, realized gain and loss, and holding period information may not reflect all adjustments necessary for your tax reporting purposes. NFS makes no warranties with respect to and specifically disclaims any liability arising out of a customer's use of, or any tax position taken in For investments in partnerships, MFS does not make any adjustments to cost basis information as the calculation of basis in such investments requires supplemental information from the partnership on its income and distributions during the period you held your investment. Partnerships usually provide this additional information on a Form K-1 issued by April 15th of the following year.

Consult your tax advisor for further information.

Cost basis and gain/loss information is provided as a service to corporate accounts. The information listed in the year-to-date gain/loss summary section is based on a calendar year (January - December). If your business/entity has a fiscal year and other than December 31st for tax purposes, the year-to-date information will not apply. If you have questions about your tax situation, consult your tax advisor.

Q - Unrealized Market discount income was calculated using the straight-line method from acquisition method. Cumulative premium amortization from acquisition date through disposition date is reflected in the adjusted cost basis. For securities still held, maturity date was used instead of disposition date. For tax-exempt securities, amortization of premium is required and is not deductible from taxable income. For tax-exempt securities, amortization of premium is required and is not deductible from taxable income. For tax-exempt securities, amortization of premium is required and is not deductible from taxable income. because of wash sales (if applicable). The adjusted cost basis may not reflect all adjustments necessary for tax reporting purposes and may also not apply if you are using an alternative amortization was recognized at disposition date. Gain/loss displayed for this transaction was based on cost basis as adjusted for premium and discount as stated above and does not reflect any losses disallowed E - YTD amortized premium was calculated on the yield-to-maturily amortization from acquisition date through disposition date. For securities still held, maturity date was used instead of disposition date. Premium amortization was calculated using the yield-to-maturity method. Acquisition premium was calculated using the ratable accrual method. If applicable, adjusted cost basis reflects market discount accretion which was calculated using the straight-line method and current year's amortized premium may be deductible from taxable income. Our adjusted cost basis calculation may not reflect all adjustments necessary for tax reporting purposes. It may not be D - Adjusted cost basis reflects any cumulative original issue discount, premium, or acquisition premium, and it assumes such amounts were amortized by the taxpayer over the life of the security applicable if you have not made an appropriate tax election or if you are using an alternative amortization calculation method. Review prior adjustments that you have made, and consult your tax calculation method. Refer to IRS Publication 550, investment income and Expenses, for additional information. advisor and IRS Publication 550, Investment Income and Expenses, for additional information.

UNIONBANC INVESTMENT SERVICES

SAN BENITO COUNTY WATER DISTRICT - Corporation Account Number: WBB-023302



Footnotes and Cost Basis Information continued

Other elections available under tax laws may be more beneficial, depending on your individual tax situation. For Federal tax purposes, market discount income from both taxable and tax-exempt bonds is treated as taxable interest Our calculation assumes the taxpayer has elected to defer recognizing the market discount until sale (disposition). date through statement period ending date.

If a sale, redemption or other disposition involved multiple tax lots, the transaction's totals may have been calculated using a combination of adjusted and unadjusted cost basis information. For lots where adjusted cost basis and its associated gain/loss are known, that was used, otherwise "regular" unadjusted cost basis and its associated gain/loss was used

Miscellaneous Footnotes

Please note that large increases CHANGE IN VALUE OF YOUR PORTFOLIO is the change in market value of your portfolio assets over the time period shown. The portfolio assets include the market value of all the securities in the account, plus insurance and annuity assets if applicable. The time frame of the graph is from account opening or September 2011, whichever is later, to the current period. Please note that large intand/or declines in the change in the value of the portfolio can be due to additions, distribution and/or performance.

CHANGE IN VALUE reflects appreciation of your holdings due to price changes plus any activity not reflected within Additions and Withdrawals, Misc. & Corporate Actions, Income, Taxe Fees and Expenses, and Other Activity sections. Change in Value does not reflect activity related to assets in which NFS is not the custodian (e.g. Insurance and Annuities, Assets Held Away and Other

CALLABLE SECURITIES LOTTERY - When street name or bearer securities held for you are subject to a partial call or partial redemption by the issuer, NFS may or may not receive an allocation of called/redeemed securities, NFS utilizes an impartial lottery allocation system, in accordance with applicable rules, that randomly selects the securities within customer accounts that will be called/redeemed. NFS' allocations are not made on a pro rata basis and it is possible for you to receive a full or partial allocation, or no allocation. You have the right to withdraw uncalled fully paid securities at any time prior to the cutoff date and time established by the issuer, transfer agent and/or depository with respect to the partial call, and also to withdraw excess margin securities provided your account is not subject to restriction under Regulation T or such withdrawal will not cause an undermargined condition.

PRICING INFORMATION - Prices displayed are obtained from sources that may include pricing vendors, broker/dealers who clear through NFS and/or other sources. Prices may not reflect current fair market value and/or may not be readily marketable or redeemable at the prices shown. FOREIGN EXCHANGE TRANSACTIONS - Some transaction types necessitate a foreign currency exchange (FX) in order to settle. FX transactions may be effected by Fidelity Forex, LLC. on a principal basis. Fidelity Forex, LLC., an affiliate of NFS, may impose a commission or markup on the prevailing interbank market price, which may result in a higher price to you. Fidelity Forex, LLC. may share a portion of any FX commission or markup with NFS. More favorable rates may be available through third parties not affiliated with NFS. The rate applicable to any transaction involving an FX is available upon request

COST BASIS LEGISLATION - New IRS Rules will require National Financial Services to report cost basis and holding period information for the sale of shares of open end mutual funds using a default method of average cost. Alternatively, account owners or their brokers and advisors can instruct National Financial Services to determine the cost basis for shares of open end mutual funds by 1) setting up their non-retirement accounts with one of our eleven tax lot disposal methods available to investors or 2) identifying specific tax lots to sell at the time of a transaction. Contact your broker or advisor to learn more about the cost basis tracking of your holdings.

security, including liquidity risk. In certain situations, a price may be derived from a single broker quote. The prices provided are not firm bids or offers. Certain securities may reflect "NI/A" or "unavailable" where the price for Market Value - The Total Market Value has been calculated out to accordance with regulations, segregated the proceeds from such transactions in your Short Account. Any market increases or decreases from the original sale price will be marked to the market and will be transferred current market quotes, but when such quotes are not available the pricing vendors use a variety of techniques represents prices obtained from various sources, may be impacted by the frequency in which such prices are such security is generally not available from a pricing source. The Market Value of a security, including those to estimate value. These estimates, particularly for fixed income securities, may be based on certain minimum principal amounts (e.g. \$1 million) and may not reflect all of the factors that affect the value of the reported and such prices are not guaranteed. Prices received from pricing vendors are generally based on Short Account Balances -if you have sold securities under the short sale rule, we have, in 9 decimal places but the individual unit price is displayed in 5 decimal places. The Total Market Value to your Margin Account on a weekly basis.

CUSTOMER SERVICE: Please review your statement and report any inaccuracy or discrepancy immediately by calling the telephone number of your broker-dealer reflected on the front of this statement. Reports of any inaccuracy or discrepancy regarding your brokerage account or the activity therein should be directed to your broker-dealer at the telephone number and address reflected on the front of this statement and National Financial Services LLC ("NFS").

When contacting either your broker-dealer or NFS, remember to include your entire brokerage account number to contact NFS at (800) 801-9942. Any oral communications regarding inaccuracies or discrepancies should be reconfirmed in writing to protect your rights, including those under the Securities Investor Protection Act ("SIPA"). NFS carries your brokerage account and acts as your custodian for funds and securities that are deposited with NFS by you or your broker-dealer. In addition to your initial contact with your broker-dealer you may

ADDITIONAL INFORMATION Free credit balances ("FCB") are funds payable to you on demand. FCB are subject to open commitments such as uncleared checks and exclude proceeds from sales of certificated position and have the proceeds sent to you or held in your account subject to the terms of your account agreement. Required rule 10b-10(a) information not contained herein will be provided on written request. Fidelity securities without delivery of the certificate. If your FCB is swept to a core position, you can liquidate the core may use this free credit balance in connection with its business, subject to applicable law.

reserves the right to deny the adjustment to any accountholder and to amend or terminate the credit adjustment Credit Adjustment Program. Accountholders receiving payments in lieu of qualified dividends may not be eligible to receive credit adjustments intended to help cover additional associated federal tax burdens. NFS

broker-dealer for more information about expected stock spilt, next dividend payable, and next interest payable for Assignments of American and European-style options are allocated among customer short positions pursuant to a random allocation procedure, a description of which is available upon request. Short positions in American-style options are liable for assignment at any time. The writer of a European-style option is subject to exercise assignment only during the exercise period. You should advise your broker-dealer promptly of any material change in your investment objectives or financial situation. Splits, Dividends, and Interest. Expected may be subject to change. Information for certain securities may be missing if not received from third parties in time for printing. NFS is not responsible for inaccurate, incomplete, or missing information. Please consult your Options Customers, Each transaction confirmation previously delivered to you contains full information about stock split, next dividend payable, and next interest payable information has been provided by third parties and commissions and other charges. If you require further information, please contact your broker-dealer, certain securities.

Depository Trust Company (DTC) dividend reinvestment program. For broker-dealer effected transactions, the time of the transactions, the exchange upon which these transactions occurred and the name of the person from whom the security was purchased will be furnished upon written request. NFS may have acted as market maker in effecting trades in 'over-the-counter 'securities. Retirement Contributions/Distributions. A summary of retirement contributions/distributions is displayed for Equity Dividend Reinvestment Customers. Shares credited to your brokerage account resulted from transactions effected as agent by either: 1) Your broker-dealer for your investment account, or 2) through the

investments in Traditional IRAs, Rollover IRAs, SEP-IRAs and, Keoghs as tax-deferred income. Earnings from Roth IRAs are reported as tax-free income, since distributions may be tax-free after meeting the 5 year aging requirement and certain other conditions. A financial statement of NFS is available for your personal you in the activity summary section of your statement. Income Reporting. NFS reports earnings from inspection at its office or a copy of it will be mailed to you upon your written request.

Statement Mailing. NFS will deliver statements by mail or, if applicable, notify you by e-mail of your statement's availability, if you had transactions that affected your cash balances or security positions held in your account(s) during the last monthly reporting period. At a minimum, all brokerage customers will receive quarterly statements (at least four times per calendar year) as long as their accounts contain a cash or securities balance.

maintenance of positions in mutual funds, ETFs and other investment products such as alternative investments or private placements ("funds") or (ii) infrastructure needed to support such funds, some funds, or their investment Sales Loads and Fees. In connection with (i) access to, purchase, sale, exchange or redemption of, and/or

UNIONBANC INVESTMENT SERVICES

priced at par value, may differ from its purchase price and may not closely reflect the value at which the security may be sold or purchased based on various market factors. Investment decisions should be made only after

only and should not be used or relied on for making investment, trading or tax decisions. EAI and EY are based on a security's dividend payments for the next 12 months calculated based on prior and/or declared dividends for that rate. For all other securities, EAI is calculated using an indicated annual dividend (IAD). The IAD is an estimate of fluctuate. Interest and dividend rates are subject to change at any time and may be affected by current and future economic, political and business conditions. EAI and EY are estimates only and may include return of principal Estimated Annual Income (EAI) & Estimated Yield (EY)- EAI for fixed income is calculated using the coupon data obtained from information providers believed to be reliable, but no assurance can be made as to accuracy, and/or capital gains, which would render them overstated. EAI and EY are provided for informational purposes security. EY reflects only the income generated by an investment and not changes in its price which may timeliness or completeness.

SIPC brochure, visit www.sipc.org orcall 1-202-371-8300. Funds used to purchase or sweep to a bank deposit are SIPC brothere, was a second to a Program Bank at which time funds may be eligible for FDIC insurance. Assets Held Away, commodities, unregistered investment contracts, futures accounts, loaned securities and other investments may not be covered. Precious metals are not covered by SIPC protection. Mutual funds and/or other securities are not backed or guaranteed by any bank, nor are they insured by the FDIC and may borrow money from NFS in exchange for pledging the assets in your account as collateral for any outstanding clear and settle transactions processed through NFS by your broker-dealer, (2) prepare and send transaction confirmations and periodic statements of your brokerage account (unless your broker-dealer has undertaken to do so). Certain securities pricing and descriptive information may be provided by your broker-dealer or obtained from third parties deemed to be reliable, however, this information has not been verified by NFS, (3) act as custodian account, (4) determining the suitability of investment recommendations and advice, (5) operating, and supervising of the SIPC statute and approval by SIPC's Board of Directors. NFS also has arranged for coverage above these description is available upon request. Your broker-dealer is responsible for: (1) obtaining and verifying brokerage account information and documentation, (2) opening, approving and monitoring your brokerage account; (3) transmitting timely and accurate orders and other instructions to NFS with respect to your brokerage FINRA requires that we notify you in writing of the availability of an investor brochure that includes information describing FINRA Regulation's BrokerCheck Program ("Program"). To obtain a brochure or more information about the Program or FINRA Regulation, contact the FINRA Regulation BrokerCheck Program Hotline at (800) 289-8999 or access the FINRA's web site at www.finra.org. FINRA Rule 4311 requires that your broker-dealer and NFS allocate between them certain functions regarding the administration of your brokerage account. The compliance with margin rules pertaining to your margin account, if applicable, and (6) maintaining required books performs. Securities in accounts carried by NFS are protected in accordance with the Securities Investor Protection Corporation ("SIPC") up to \$500,000. The \$500,000 total amount of SIPC protection is inclusive of up upon written request. At time of purchase fund shares may be assigned a load, transaction fee or no transaction fee status. At time of sale, any fees applicable to your transaction will be assessed based on the status assigned and records for the services that it performs. NFS shall, at the direction of your broker-dealer. (1) execute, identified on your statement. If you have a margin account, this is a combined statement of your margin account and interpretations of the exchange market and its clearing house, if any, where the transactions are executed, and of the New York Stock Exchange (NYSE) and of the Financial Industry Regulatory Authority ("FINRA"). The extend to certain securities that are considered ineligible for coverage. For more details on SIPC, or to request a affiliates, pay your introducing broker dealer and/or NFS sales loads and 12b-1 fees described in the Offering Materials as well as additional compensation for shareholder services, start-up fees, platform support and maintenance, and marketing, engagement and analytics programs. Additional information about the source(s) and amount(s) of compensation as well as other remuneration received by FBS or NFS will be furnished to you to the shares at time of purchase. Margin. If you have applied for margin privileges and been approved, you and special memorandum account other than your non-purpose margin accounts maintained for you under Section 220.5 of Regulation T issued by the Board of Governors of the Federal Reserve Board. The permanent to \$250,000 protection for claims for cash, subject to periodic adjustments for inflation in accordance with terms for funds and securities received by NFS on your behalf, (4) follow the instructions of your broker-dealer with respect to transactions and the receipt and delivery of funds and securities for your brokerage account, and (5) margin loan. The amount you may borrow is based on the value of securities in your margin account, which is record of the separate account, as required by Regulation T, is available for your inspection upon request. NYSE and FINRA. All transactions are subject to the constitution, rules, regulations, customs, usages, rulings following is a summary of the allocation services performed by your broker-dealer and NFS. A more complete limits. Neither coverage protects against a decline in the market value of securities, nor does either coverage extend margin credit for purchasing or carrying securities on margin. Your broker-dealer is responsible for ensuring that your brokerage account is in compliance with federal, industry and NFS margin rules, and for advising you of margin requirements. NFS shall maintain the required books and records for the services it your brokerage account and its own activities in compliance with applicable laws and regulations including involve investment risk including possible loss of principal. End of Statement

722239.10.0

Account carried with National Financial Services LLC, Member NYSE, SIPC



Agenda Item # 5



MCC Controls dba Primex - *Water Treatment Plants Maintenance Agreement (SCADA Services) Fiscal Year 2024 On-Call Contract Activity Report **Board Meeting 10/25/23**

NOTE: NO ADDITIONAL TASK ORDERS WERE EXECUTED AS OF THIS MEETING'S REPORTING DEADLINE

\$ 188,855				\$ 88,729	\$ 311,271 \$	\$ 400,000 \$
				difference of the second se		
\$ 55,814	05.24.23	RTU - 8 PLC and Device Upgrades	5	\$ 88,729	\$ 55,814 \$	
\$ -	01.09.23	RTU - 11 PLC Programming/Installation	4	\$ 144,543	\$ 46,492	
÷	01.09.23	RTU - 10 PLC Programming/Installation	ω	\$ 191,035	\$ 48,300	
\$ 130,665	12.06.22	RTU Hardware for RTU-8,-9,-10,-11,-14,-20	2	\$ 239,335	\$ 130,665	
\$ 2,376	12.06.22	Control System Services/Maintenance	ы	\$ 370,000	\$ 30,000	
						\$ 400,000
Payments to Date	Issued Date	lask Order Description	Number	Remaining	Amount	Amount
	Task Order	Tolk Out Provided	Task Order	Contract Amount	Task Order	**NTE Contract

^{*}SBCWD Board approved 9.21.22, Contract #PRIMEX-2022 OC

^{**}Contract expires 9.19.25



Fiscal Year 2024 On-Call Contract Activity Report Todd Groundwater - *Groundwater Management & Evaluation Board Meeting 10/25/23

NOTE: NO ADDITIONAL TASK ORDERS WERE EXECUTED AS OF THIS MEETING'S REPORTING DEADLINE

\$ 250,000 \$						\$	\$	\$	\$	\$ 250,000	Contract Am	Tack
155,000 \$						10,000 \$	20,000 \$	75,000 \$	\$ 000,03		Amount	-
95,000						95,000	105,000	125,000	200,000		Remaining	tract Amount
						3	2A	2	1		Number	Tack Order
						IRWM Grant Application Support	Grant Application Support-DWR & USBR	Grant Application Support-DWR & USBR	Well design & siting (last phase of current grant)		Task Order Description	
						02.21.23	05.22.23	12.20.22	12.05.22		lask Order Issued Date	i - -
S				-		\$	\$	\$	\$		Paym	
97,063.02						4,047.50	14,197.50	68,177.50	10,640.52		Payments to Date	

^{*}SBCWD Board approved 10.26.22, Contract #TODDGW-2022 OC

^{**1-}year term expires 11.3.23, with option of 2 additional years (total of 3 years NTE \$750,000)

San Benito County Water District Agenda Transmittal

Agenda Item:

Meeting Date: October 25, 2023

Submitted By: Steve Wittry

Presented By: Steve Wittry

Agenda Title: Discuss and Consider Approval of San Benito Urban Areas Water Supply

and Treatment Master Plan Update

Detailed Description:

The Hollister Urban Area Water and Wastewater Master Plan (Master Plan) was completed in 2008 and updated in 2017. The Master Plan provides a long-term vision for water, wastewater and recycled water management actions and infrastructure improvements to improve water quality and reliability. The Master Plan also identified the need for the region to begin preliminary work towards the development of additional long-term water supplies to serve the region in times of drought.

In August of 2021, SBCWD, Sunnyslope County Water District, City of Hollister, City of San Juan Bautista and the County of San Benito entered into a Memorandum of Understanding (MOU) to update the Master Plan to confirm water demand forecasts, identify preferred long-term water supply options and incorporate San Juan Bautista into the urban water supply program. At the time of entering the MOU, the City of Hollister was in the midst of a General Plan Update and was addressing LAFCo issues related to wastewater services. As a result, the MOU states that the update will primarily address water supply.

There are several projects identified and alternatives considered to achieve water supply reliability. Two highly ranked alternatives identified are the Aquifer Storage and Recovery Project and the B.F. Sisk Dam Raise & Reservoir Expansion project. As forecast in the MOU, there were several grant opportunities that were available in 2022. Efforts were pushed forward to maximize attractiveness of the higher priority alternatives such as the Aquifer Storage and Recovery (ASR) project. The project was not significantly altered; however, phasing was introduced to allow the completion of work within expected short grant delivery windows. Phase 1 of the ASR project has been termed the Accelerated Drought Response Project (ADRoP) and consists of upgrades to the West Hills Water Treatment Plant, conveyance pipelines and the installation of 5 water injection and recovery wells. This project has received over \$13 million in State

grants, and we are hopeful that it could receive additional Federal funding in the near future.

The B.F. Sisk Dam Raise & Reservoir Expansion project is a joint effort between various water agencies and the US Bureau of Reclamation. This project would achieve additional surface water storage at San Luis Reservoir. Other potential projects, such as the North Area Groundwater plan and the Pacheco Reservoir Project show strong potential and may be considered in future Master Plan updates.

Staff recommends that the Board receive the report and adopt the San Benito Urban Areas Water Supply and Treatment Master Plan

Prior Committee or Board Action(s): Urban Area Water and Wastewater Master Plan Governance Committee approval on October 10, 2023.

Financial Impact:	Yes	<u>X</u>	N	I	_
r inanciai impact:	Yes	X	1	1 (3

Funding Source/ Recap:

Material Included for Information/Consideration:

- Urban Area Water and Wastewater Master Plan Governance Committee Recommendation
- Draft Master Plan
- Memorandum of Understanding -San Benito County Urban Area Water Supply Master Plan

Reagendized Date No Action Taken

BOARD AGENDA MEMO

DATE:

October 10, 2023

TO:

Board of Directors

FROM:

Urban Area Water and Wastewater Master Plan Governance

Committee (Flores/Shelton)

SUBJECT: Board Recommendation Approving of the San Benito Urban Areas

Water Supply and Treatment Master Plan Update

The Urban Area Water and Wastewater Master Plan Governance Committee met on October 10, 2023 with staff and Holly Kennedy, of HDR, and reviewed the Draft San Benito Urban Areas Water Supply and Treatment Master Plan Update.

The Urban Area Water and Wastewater Master Plan Governance Committee agreed to recommend Board Approval of the Draft San Benito Urban Areas Water Supply and Treatment Master Plan Update at the October Board meeting.

Director Flores

FINAL DRAFT

San Benito Urban Areas Water Supply and Treatment Master Plan Update

City of Hollister, City of San Juan Bautista, San Benito County, San Benito County Water District, and Sunnyslope County Water District

October 10, 2023



Prepared under the responsible charge of
Holly Kennedy
C74682



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Appendix A – Water Demand Projections Technical Memorandum

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Executive Summary

The San Benito Urban Areas Water Supply and Treatment Master Plan Update (Master Plan Update) provides a comprehensive plan and implementation program to meet the existing and future water resources needs of the San Benito Urban Areas (SBUA). The master plan was first prepared in 2008, then updated in 2017. Since the last update, there have been changes in water use patterns, water supply (drought), development in the Hollister Urban Area (HUA) and the City of San Juan Bautista (SJB), as well as State of California water quality and groundwater sustainability regulations. This Master Plan Update has been prepared to reflect changes since 2017 and update the recommendations.

This executive summary provides an overview of the background, improvements completed since the 2017 Master Plan Update, and the recommended program described in this Master Plan Update.

ES-1 Background

The SBUA is located in San Benito County, California, approximately 50 miles southwest of the City of San Jose and 40 miles east of Monterey Bay. The 2008 Master Plan and 2017 Master Plan Update focused on the HUA, which includes the city of Hollister and its adjacent unincorporated areas of San Benito County designated for urban development. This Master Plan Update incorporates the City of San Juan Bautista into the study area.

The 2008 Master Plan established project opportunities for regional cooperation and coordination of water, wastewater, and recycled water facilities to serve the HUA. The 2017 Master Plan Update re-evaluated and updated these project opportunities with a decade of changed conditions. This Master Plan Update continues to plan to secure water supply and treatment capacity for SBUA's growing drinking water demand and to fulfill water quality objectives established in the Memorandum of Understanding (MOU; see below).

ES-1.1 Memorandum of Understanding

The 2008 Master Plan was initiated through the 2004 Memorandum of Understanding (2004 MOU) developed among the City of Hollister (City), San Benito County (County), and the San Benito County Water District (SBCWD). The 2004 MOU was subsequently amended in 2008 to include the Sunnyslope County Water District (SSCWD).

The 2004 MOU described the principles, objectives, and assumptions that formed the basis of the 2008 Master Plan, focusing on the following goals:

- Improve municipal, industrial, and recycled water quality.
- Increase the reliability of the water supply.
- ♦ Coordinate infrastructure improvements for water and wastewater systems.
- Implement the goals of the Groundwater Management Plan.
- Integrate recommendations of the Long-term Wastewater Management Plans with the Master Plan.



- Support economic growth and development consistent with the City of Hollister and San Benito County General Plans and Policies.
- Consider regional issues and solutions.

In 2009, the Coordinated Water Supply and Treatment Plan (Coordinated Plan) was completed. The purpose of the Coordinated Plan was to refine the water supply and treatment recommendations from the 2008 Master Plan.

The 2014 Memorandum of Understanding (2014 MOU) was developed among the City, County, SBCWD, and SSCWD to facilitate and guide the preparation of the 2017 Master Plan Update.

The 2014 MOU incorporated the principles, objectives, and assumptions from the 2004 MOU. In addition, the following issues were identified for evaluation in the 2017 Master Plan Update:

- Update water demand and wastewater flow projections.
- Review and evaluate previously identified long-term water supply options.
- Review drinking water goals for Total Dissolved Solids (TDS) and hardness.
- Review goals for recycled water TDS.
- Evaluate the need, timing, and estimated cost of the following facilities and activities:
 - > Expansion of the West Hills Water Treatment Plant (WTP),
 - > Crosstown Pipeline,
 - Groundwater Demineralization or Softening,
 - Modifications to and/or expansion of the City's Water Reclamation Facility and the SSCWD Ridgemark Wastewater Treatment Plant,
 - Expansion of the recycled water system, and
 - Major infrastructure improvements to the water distribution system and the wastewater collection system.

The 2014 MOU also reaffirmed the institutional framework and responsibilities of the Governance and Management Committees (see Section 1.1.3).

In 2021, SJB negotiated with SBCWD for better-quality surface water to blend with its local groundwater supplies to improve drinking water quality, as part of the plan to settle and resolve violations to environmental regulations. SJB had recently been fined by the U.S. Environmental Protection Agency (EPA) for exceeding wastewater discharge limits, which was partly a result of poor drinking water quality. SBCWD and SJB developed an MOU to prepare a feasibility study and preliminary design to provide SJB with treated surface water from the West Hills WTP. SJB subsequently signed on to the MOU to participate in this Master Plan Update.

ES-1.2 Related Planning Activities

Several recently completed or ongoing planning activities are related to this Master Plan Update. All work completed for this Master Plan Update was closely coordinated with these related planning activities, including the 2020 Hollister Urban Area Urban Water Management



Plan (UWMP), the recently completed Groundwater Sustainability Plan (GSP), and SJB's Water Master Plan. In addition, SBCWD actively engages with non-SBUA agencies for additional water supply or storage opportunities. There are two such ongoing projects: Valley Water's Pacheco Reservoir Expansion Project (PREP) and the U.S. Bureau of Reclamation's (USBR) B.F. Sisk Dam Seismic Retrofit and Raise Project. In addition, a Climate Change Strategic Plan was developed as part of this Master Plan Update to outline impacts of climate change to SBCWD's water supply and infrastructure. The plan also summarizes mitigation strategies and recommendations presented in the GSP and other climate change related planning activities. This plan is enclosed in Appendix B.

ES-1.3 Master Plan Update Objectives

This Master Plan Update considers both future water supply needs and water quality. The overall objectives of this Master Plan Update are the following:

- Provide continuous improvement toward achieving drinking water quality goals.
- Increase dry-year water supply reliability.
- Provide a reliable and sustainable water supply to respond to long-term growth needs.
- Coordinate with ongoing programs including SGMA related activities, and the supply of treated surface water to SJB.
- Continue to address water needs through coordinated regional solutions.

The emphasis for this Master Plan Update is on water supply and treatment. The wastewater and recycled water infrastructure will be addressed in a future update once the City of Hollister General Plan Update is complete, and the Local Agency Formation Commission issues related to the wastewater service area are resolved.

ES-1.4 Planning Period

The planning period for this Master Plan Update extends from 2021 to 2045. The initial year of the planning period was selected to provide a common baseline for data-related water supply and demand. The final year of the planning period coincides with the planning horizon of the 2020 UWMP.

ES-2 Improvements since 2017 Master Plan Update

After the 2017 Master Plan Update was completed, the agencies collaborated to successfully implement major water projects for the benefit of the HUA. Water conservation and other water-related programs have also continued.

ES-2.1 Water Supply Improvements

Through the 2012–2016 drought, SBCWD's primary surface water supply, imported water from USBR's Central Valley Project (CVP), was typically allocated at less than half the contracted baseline amount. In 2014, SBCWD renegotiated the baseline amount for its municipal and industrial (M&I) use, and that historical use value is now 8,250 AFY. Renegotiating the baseline was a key strategy that SBCWD used to improve the reliability of dry-year supply of imported



surface water for M&I use, as it is the key metric that USBR uses as a basis for supply allocations during a shortage condition.

SBCWD maintains groundwater basin health with both surface water percolation and treated wastewater percolation. Historically, surface water percolation has been challenging due to invasive Dreissenid (zebra) mussels, low CVP allocations, and/or limited local reservoir availabilities. Surface water percolation activities have resumed with recent attenuated hydrological constraints. In addition, an intertie was constructed to enable SBCWD to divert excess CVP water to the abandoned percolation ponds at the City's Water Reclamation Facility (WRF) for percolation.

ES-2.2 Water Treatment and Distribution

SBCWD now has a total of 6.5 million gallons per day (MGD) of treatment capacity between its two WTPs. The Lessalt WTP was upgraded in 2014 and has a capacity of 2.0 MGD and the West Hills WTP was completed in 2017 and has a capacity of 4.5 MGD.

Since the West Hills WTP was completed, two key projects were completed to expand the distribution of high-quality surface water and to support compliance with the State's anticipated hexavalent chromium maximum contaminant level (MCL). The Crosstown Pipeline extends West Hills WTP finished water to the middle zone of the HUA distribution system. The treated surface water blends with SSCWD groundwater supply that is high in hexavalent chromium. The second project includes bifurcations of the 20-inch transmission pipeline from the West Hills WTP to convey surface water for blending at City Well No. 2, City Well No. 4 and City Well No. 5, all of which are high in hexavalent chromium.

ES-3 Recommended Program

A comprehensive planning process was used in this Master Plan Update to develop and evaluate a wide range of alternatives for both water supply and water treatment facilities and programs. The results of the evaluation are summarized in the following subsections along with the recommended implementation program through 2045.

NOTE TO READER: Following the completion of the water supply analysis presented in this Master Plan Update, the scope of ASR Phases 1 and 2 was updated to facilitate the pursuit of federal and state grant funding opportunities and ultimately deliver the project on an accelerated timeline. Although the facilities and phasing of the ASR project were updated, the total projected supply generated by the overall ASR program remains unchanged. Referred to as ADRoP (Accelerated Drought Response Project), the first phase of the ASR program now relies on the expansion of the West Hills WTP for treatment of imported water prior to injection, whereas the original project included a new dedicated water treatment plant. The first phase is also anticipated to include three to five ASR wells, capable of injecting 1,600 acre-feet-per-year (AFY) to 2,700 AFY in wet years and generating an average annual yield of 650 AF to 1,035 AF. A more detailed description of ADRoP, including a full description of facilities, estimated cost and implementation schedule, is included in Appendix C.



ES-3.1 Water Supply Recommendations

The annual water demand is projected to increase from 5,560 AFY to approximately 9,190 AFY by 2035 and to approximately 12,500 AFY by 2045, an increase of approximately 6,940 AFY. The recommended priorities and actions for long-term water supply are summarized in Table ES-1. These recommendations include continuing ongoing programs and new projects requiring further investigation. All of the long-term water supply options should be retained as a menu of alternatives to contribute to a diverse and drought resilient water supply portfolio. Due to the inherent uncertainties in California water supply (drought, environmental constraints, regulations, etc.), it is prudent to maintain maximum flexibility in planning for long-term water supplies.

Table ES-1. Recommended Priorities and Actions for Long-term Water Supply Program

Description Surface Water	Priority Level ¹	Estimated Average Annual Supply (AFY)	Recommended Action
Surface water	T T	<u> </u>	Collaborate with USBR; Secure
B.F. Sisk Dam Raise	3	1,500	Storage Volume of 5,000 AF
PREP	4	TBD ²	Evaluate Appropriate Level of
			Engagement due to High Costs
Local Surface Water Storage	Future	TBD ³	Further Investigation Required
Groundwater			
ASR	1	1,000-2,190 ⁴	Conduct Pilot Study
North Area Groundwater	2	1,000-2,0005	Complete Feasibility and Environmental Studies
Ongoing Programs			
Water Conservation	1	6	Continue Existing Program
Imported Surface Water	1	As Needed ⁷	Continue Existing Program
Semitropic Water Bank	1	Drought Supply ⁸	Continue Existing Program
Local Wells for Large Landscape Areas	1	9	Continue Existing Program

AF – acre-feet, AFY – acre-feet per year, ASR – aquifer storage and recovery, CVP – Central Valley Project, PREP – Pacheco Reservoir Expansion Project, TBD – to be determined, USBR – U.S. Bureau of Reclamation

- 1. Priority level from Table 4-8.
- Negotiations are required to determine the appropriate level of engagement.
- 3. Further investigation of an expansion of Paicines, or other options, is needed to confirm feasibility and yield.
- 4. Requires a pilot study to confirm feasibility. Could be implemented in phases.
- 5. Preliminary investigations indicated up to 5,000 AFY during normal years and up to 2,000 AFY during dry years.
- 6. Significant reductions have already been achieved through regional efforts in water conservation. Further reductions to be determined based on the results of ongoing efforts.
- 7. Conversion of Agricultural CVP water to M&I, long-term transfers, and/or spot market purchases are needed to augment M&I CVP supplies to meet water quality goals.
- 8. Semitropic Water Bank enhances dry-year reliability, but water might not be available during critically dry years if water is not available to divert from San Luis Reservoir.
- 9. The demand for high quality water could be offset with this strategy. However, the volume of water has not been estimated.
- 10. The water supply options in Table ES-1 provide "building blocks" to meet the need for high-quality water. For example, the proposed aquifer storage and recovery (ASR) Phase 1 project could provide enough supply to meet the 2030 high-quality water need. If the ASR Phase 1 project reveals that ASR is not viable, then the North Area Groundwater project could be accelerated to provide that same increment of new supply.



The quantity and timing of additional high-quality water needs will depend on actual demand growth, hydrologic conditions (wet, normal, and dry years), and allocations of existing CVP supplies by USBR. Both the ASR and B.F. Sisk Dam Raise projects will improve the reliability of the existing CVP water by providing opportunities for long-term storage of excess CVP water during wet years. That water would then be available during dry years, when CVP allocations are curtailed.

During extended dry-year conditions, it might be necessary to relax the TDS and hardness goals. However, even during extended dry-year conditions, enough high-quality water supplies must be provided to meet the anticipated hexavalent chromium regulations.

ES-3.2 Recommended Water Supply and Treatment Facilities

Table ES-2 summarizes the recommended water supply and treatment facilities and improvements, which are limited to the facilities and improvements that are recommended for implementation through 2031. Improvements needed beyond 2031 should be revisited in a subsequent Master Plan Update, which should be completed no later than 2027. At that time, the actual growth in water demand and future projections, water quality requirements, feasibility of the ASR project, updated timelines for regional projects (e.g., B.F. Sisk Dam Raise), new regulations, and other factors can be reconsidered to develop recommendations and for appropriate scope and timing for facilities beyond 2031.

The first phases of the ASR project were subsequently revised in late 2022 to facilitate the pursuit of state and federal grant funding opportunities and ultimately deliver the ASR project on an accelerated timeline. Now, referred to as ADRoP, this first phase of ASR has a modified scope and accelerated schedule as compared to the original plan listed in Table ES-2. Appendix C presents a description of ADRoP, including a cost estimate and implementation schedule.

ES-3.3 Coordination with Related Planning Activities

Implementation of this Master Plan Update should be coordinated with other ongoing programs to provide opportunities for optimizing facility sizing, reducing costs, and obtaining outside financing. Some of the major ongoing programs for coordination include the following:

- ♦ Local Water Distribution System Master Plans and Infrastructure Investments
- Groundwater Sustainability Plan
- Valley Water's Pacheco Reservoir Expansion Project (PREP)
- Pajaro River Watershed Integrated Regional Water Management Program
- USBR's San Luis Reservoir Low Point Improvement Project
- ♦ USBR's B.F. Sisk Dam Seismic Upgrade and Dam Raise Project



Table ES-2. Estimated Costs, Schedule, and Actions for Recommended Facilities

	Estim	ated Cost (\$	M) and Tim	eframe		
Description ¹	2023	2024	2025	2026– 2031	Total	Recommended Action
Water Supply and T	reatment WF	₹F				
ASR Phase 1	5.3	0.9	0.9		7.1	Complete design and environmental studies
ASR Phase 2 ²			2.9	38.4	41.3	Complete Pilot Project and initiate design and environmental studies
B.F. Sisk Dam Raise ³	1.8	1.8	1.7	44.8	50.0	Collaborate with USBR and Secure 5,000 AF Storage
Imported Water ⁴	0.2	0.4	0.5	4.1	5.2	Purchase as needed to maximize production at West Hills WTP to meet water quality goals
Subtotal	7.3	3.1	6.0	87.3	103.6	
Water Transmission						
San Juan Bautista Pipeline	8.7	4.0			12.7	Confirm financing plans, design, and construct
Subtotal	8.7	4.0			12.7	
Total ^{5,6}	16.0	7.1	6.0	87.3	\$116.3	

\$M - millions of dollars, AF - acre-feet, ASR - aquifer storage and recovery, CCI - Construction Cost Index, CIP - capital improvement program, City - City of Hollister, ENR - Engineering News-Record, mgd - million gallons per day, PREP - Pacheco Reservoir Expansion Project, SBCWD - San Benito County Water District, SJB - City of San Juan Bautista, SSCWD - Sunnyslope County Water District, USBR - U.S. Bureau of Reclamation, WTP - water treatment plant

Notes:

- 1. Costs are referenced to the ENR, San Francisco Bay Area CCI Index for February 2021, at 13,110.
- 2. ASR Phase 2 includes a 2.5 mgd WTP.
- 3. Costs provided by SBCWD. Project is reliant on state and federal partners.
- 4. Needed in the near term to maximize production of the West Hills WTP to meet system hardness goals. Costs estimated at \$1,200 per AF based on spot market purchases but could be lower if alternate imported sources are used (e.g., conversion of Ag CVP to M&I CVP).
- 5. Table does not include CIP costs for PREP, which should be added, if appropriate once the form of continued engagement is determined.
- 6. Table does not include CIP costs for water distribution system improvements for the City, SJB, or SSCWD.

ES-3.4 Water System Operations

The water distribution system for the HUA consists of the combined systems serving the City and SSCWD. SJB has a separate distribution system and independently operates several local groundwater production wells. Historically, the City and SSCWD have closely coordinated the operation of the HUA combined system. The HUA has been increasingly utilizing treated surface water from the West Hills WTP. To achieve the water quality goals, the SBUA will increasingly utilize treated surface water. Therefore, it is critical for the City, SJB, SSCWD, and SBCWD to cooperate in the efficient operation of the water supply and treatment and distribution facilities.



Cooperation regarding and coordination of system operations will be required to provide efficiencies and maximize the following benefits to consumers in the SBUA:

- Efficient use of limited high-quality water supplies
- Compliance with state and federal drinking water standards, especially the anticipated California hexavalent chromium limits
- Continued progress toward meeting TDS and hardness goals established for drinking water in the SBUA
- Continued compliance with waste discharge requirements for local wastewater treatment plants
- Production of Title 22 recycled water from the City's WRF for reuse by SBCWD for agricultural irrigation

To achieve these benefits, the 2013 System Operations Technical Memorandum should be updated to ensure efficient operation of new facilities and to incorporate facilities developed since 2013. Specifically, some of the issues to be addressed in the update should include the following:

- Production scheduling for the Lessalt and West Hills WTPs for seasonal and daily flow variations.
- 2. Scheduling of well operations to complement treated surface water deliveries and provide comparable average run times for all wells.
- 3. Production scheduling for the new ASR WTP for various year types and seasonal variations. For example, it is expected that, during wet years, the ASR WTP would treat excess CVP for injection; during normal years, the ASR WTP would treat CVP water for distribution, in balance with the West Hills and Lessalt WTPs; and during dry years, the ASR WTP would treat recovered groundwater for distribution, if needed.

ES-3.5 Engineering

The technical work completed for this Master Plan Update provides a framework for water supply and water treatment facilities required through 2045. The locations presented in Figure ES-1 are conceptual, and final locations will be determined during future facilities planning and preliminary design work.

The next step in implementation will be to conduct engineering and related technical investigations for the recommended facilities. Engineering work would include facilities planning, preliminary design, design, construction management, and startup. Many of the proposed improvements will be phased, and the engineering work would be scheduled accordingly. Construction contract packaging should also be evaluated to provide the greatest opportunities for competitive bidding by contractors.

The San Juan Bautista Pipeline preliminary design is underway, and an initial feasibility study for the ASR project was completed as part of the Groundwater Sustainability Plan, which was submitted to the State in early 2022. An initial phase of the ASR project, referred to as ADRoP,



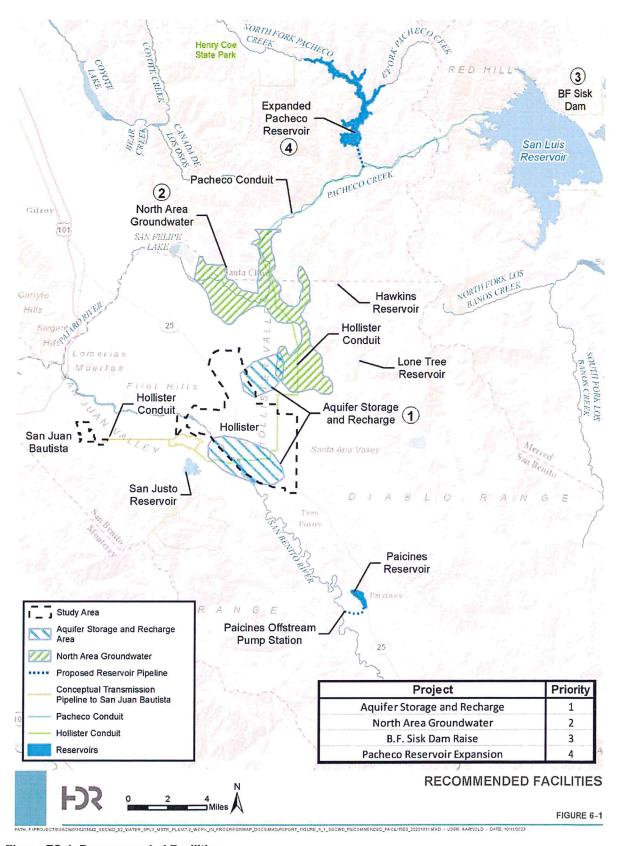


Figure ES-1. Recommended Facilities



is anticipated to rely on the expansion of the West Hills WTP for treatment of imported surface water prior to injection at an ASR wellfield. The location of the wellfield is conceptual. Actual well locations will need to be evaluated based on hydrogeological studies, infrastructure costs to convey water to the wellfield, available land, and environmental impacts, among other factors.

ES-3.6 Environmental Compliance

The recommended facilities will require environmental compliance with the California Environmental Quality Act (CEQA) to evaluate the environmental impacts of the projects. Project-specific compliance would be determined on a case-by-case basis for individual projects.

The region is known to be home to several federally listed species, including the California tiger salamander, California red-legged frog, and San Joaquin kit fox. As projects are developed, consideration should be given regarding how to minimize impacts to their habitat.

If federal grants or loans are used to pay for specific facilities, additional environmental review might be required to comply with the National Environmental Policy Act (NEPA). In addition, if federal facilities such as the Hollister Conduit are impacted, NEPA compliance might also be triggered.

ES-3.7 Permitting

Numerous federal, state, and local permits will also be required for implementation. The required permits will be identified during the preparation of the engineering predesign studies and environmental compliance documents. A permitting strategy should be developed to minimize project delays and potential mitigation costs.

ES-3.8 Institutional Agreements

Institutional agreements between and among agencies will be required to implement projects that provide joint benefits. Multiple institutional agreements are anticipated to be required to implement the recommended projects. The following agreements might be required:

- Update to the Water Supply and Treatment Agreement to add SJB and incorporate the new suite of projects.
- Update to operating agreements for the treatment plants to reflect a new cost allocation to include SJB.
- Agreement between SBCWD and SJB to construct and operate the San Juan Bautista Pipeline.
- Agreement between USBR and SBCWD to use the Hollister Conduit to receive concentrate from the ASR WTP, which would be blended with CVP water in the conduit to minimize overall water losses.
- Agreement with USBR and partner agencies to document storage volume and cost share in the B.F. Sisk Dam Raise.



- Update to the MOU between SBCWD and Valley Water for the PREP to record SBCWD's status of participation going forward.
- Agreement between USBR and SBCWD to use the Hollister Conduit to transmit North Area groundwater (Warren Act).

ES-3.9 Financing

Recommended projects might be financed through local funding and/or state and federal grants and loans. Past projects, such as the Hollister Urban Area Water Project, have been implemented through a combination of local financing and state grants. Opportunities for outside financing (grants or loans) should be fully explored from state water programs and federal infrastructure funding.

For local financing, the agencies will need to update their financial plans and rate studies. Rate study updates should include a review of both rates and connection fees. For the recommended new water facilities, benefits and costs should be allocated to water quality improvements and growth. Staff from each water agency should meet periodically to discuss strategies to accommodate these new facilities and the status of their individual financing plans.

It is recommended that the projected water demands, facilities timing, and financing plan be reviewed in by 2027. This interim milestone would give the agencies the opportunity to verify actual trends in water demand growth and adjust the schedules for implementing and financing facilities as appropriate.

SBCWD has initiated efforts to pursue over \$30 million in grant funding from federal and state programs, including:

- Small Storage Grant Program by USBR
- Round 2 Integrated Regional Water Management (IRWM) Implementation Grant Program by California Department of Water Resources (DWR)
- Round 2 Sustainable Groundwater Management (SGM) Grant Program by DWR

If funds are awarded, the funding programs impose certain limits on the performance completion date which is when the funded project needs to be completed. With the performance due dates set as early as December 2026 and as late as March 2027, the original scope of the first phases of the ASR project was updated to facilitate the pursuit of grant funding. The updated ASR project, ADRoP, is described in further detail in Appendix C.

ES-3.10 Stakeholder Outreach

Stakeholder outreach has been an integral part of implementing past master plans. Continued successful implementation of the recommendations of this Master Plan Update will require a proactive approach to the various interest groups and stakeholders in the SBUA, including:

- General public,
- Local interest groups (business, environmental, and others),
- Regulatory agencies,



- ♦ City, County, SBCWD, SJB, and SSCWD elected officials and staff, and
- Regional interests outside San Benito County.

A first step in developing a responsive stakeholder outreach program would be to revisit the communications strategy that was previously implemented to support the upgrade of the Lessalt WTP and new West Hills WTP.

ES-3.11 Recommended Implementation Schedule and Next Steps

Implementing this Master Plan Update will require overall program and individual facilities activities. Some of the recommended projects are already in design or have advanced through the feasibility phase.

The next major infrastructure improvements would be completed through 2031. Table ES-3 summarizes the recommended projects and programs along with a timeline and responsibilities for implementation. It is also recommended that this Master Plan Update be updated no later than 2027. An update in this timeframe is necessary to adjust the recommendations for facilities beyond 2027 based on actual growth rates, progress made in program implementation, new regulations, and potential new issues and opportunities.

With the introduction of ADRoP, the first phase of the ASR project has been updated to include the West Hills WTP expansion to 6.75 mgd for treatment of imported surface water prior to injection. Full details of ADRoP are enclosed in Appendix B.



Table ES-3. Summary of Timing and Responsibility for Recommended Improvements

Description	Date	Responsible Agency
Water Supply		40.00
Continue and/or Expand Existing Programs		
Continue Importing Surface Water	Ongoing	SBCWD
Renew Semitropic Water Agreement	Ongoing	SBCWD
Continue Water Conservation Program	Ongoing	WRA
New Programs		
Complete ASR Project Phase 1	2022–2024	City, SBCWD
Secure 5,000 AF of Storage in the B.F. Sisk Dam Raise Project	2022	SBCWD
Determine Appropriate Level of Continued Engagement in PREP	2022	SBCWD
Further Investigate Local Surface Water Supplies and Storage	2024+	SBCWD
Complete Feasibility and Environmental Studies for North Area Groundwater Supply	2024+	SBCWD
Water Treatment		
Confirm Treatment Requirements for the ASR Project	2022–2024	SBCWD
Expand West Hills WTP to 9 mgd	Future	SBCWD
Water Distribution		
Construct the San Juan Bautista Transmission Pipeline	2022–2024	SJB, SBCWD
Complete Additional Operations Studies and Modeling to Provide Uniform Distribution of High-quality Water	Ongoing	City, SJB, SSCWD
Implement CIPs for Water Distribution System Improvements	Ongoing	City, SJB, SSCWD
Updates to Planning Documents		
Update Water System Operations TM	2022	All Agencies
Complete Master Plan Update	By 2027	All Agencies

AF – acre-feet, ASR – aquifer storage and recovery, CIP – capital improvement program, City – City of Hollister, CVP – Central Valley Project, mgd – million gallons per day, PREP – Pacheco Reservoir Expansion Project, SBCWD – San Benito County Water District, SJB – City of San Juan Bautista, TM – Technical Memorandum, USBR – U.S. Bureau of Reclamation, WRA – Water Resources Association of San Benito County, WTP – water treatment plant Notes:

Refer to Table ES-2 for estimated costs.



1 Introduction and Background

In 2008, the original Hollister Urban Area Water and Wastewater Master Plan (2008 Master Plan) was prepared to provide a long-term vision of water, wastewater, and recycled water management activities and infrastructure improvements for the Hollister Urban Area (HUA). The effort was a regional collaboration undertaken by local agencies including the City of Hollister, San Benito County, the San Benito County Water District, and the Sunnyslope County Water District under a Memorandum of Understanding (MOU).

In 2017, the 2008 Master Plan was updated with a decade of changes in water use patterns, economic activity, water supply (drought), development in the HUA, and State of California—mandated water quality regulations. This update, the Hollister Urban Area Water and Wastewater Master Plan Update, which was completed in 2017 (2017 Master Plan Update), refreshed water demand and wastewater flow projections, balanced supply portfolios to meet water quality objectives, and identified new capital improvement projects. The planning period was through 2035, and an update was recommended after 5 years.

Since 2017, the City of San Juan Bautista (SJB) has joined the MOU, drought conditions have continued, California adopted the Sustainable Groundwater Management Act, and the landscape of future water supply options has evolved. Given these changes, it is appropriate to update the 2017 Master Plan Update. This report, the 2022 San Benito Urban Areas (SBUA) Water Supply and Treatment Master Plan (Master Plan Update), provides water demand projections through 2045 and provides an updated strategy for near- and long-term water supply and treatment. Unlike the past master plans, this Master Plan Update focuses on drinking water supply and treatment planning. Wastewater and recycled water infrastructure will be updated in a future update.

Figure 1-1 illustrates the timeline of the development of previous master plans. The following subsections summarize the historical planning documents, describe ongoing planning efforts and programs, and present the objectives and scope for this Master Plan Update.

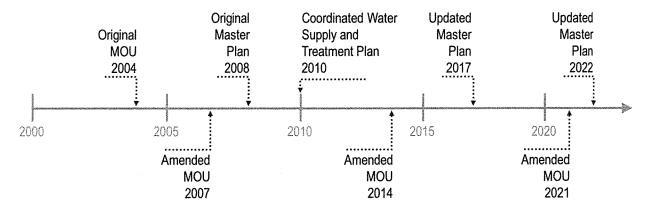


Figure 1-1. Major Milestones of Planning Development



1.1 2008 Master Plan

The 2008 Master Plan provided a comprehensive plan and implementation program to meet the existing and future water resources needs of the HUA. The 2008 Master Plan was a major milestone for regional cooperation and coordination of water, wastewater, and recycled water facilities.

1.1.1 2004 Memorandum of Understanding

The 2008 Master Plan was initiated through the 2004 Memorandum of Understanding (2004 MOU) developed among the City of Hollister (City), San Benito County (County), and the San Benito County Water District (SBCWD). The 2004 MOU was subsequently amended in 2008 to include the Sunnyslope County Water District (SSCWD).

1.1.2 Goals and Objectives

The 2004 MOU described the principles, objectives, and assumptions that formed the basis of the 2008 Master Plan and focused on the following goals:

- Improve municipal, industrial, and recycled water quality.
- Increase the reliability of the water supply.
- Coordinate infrastructure improvements for water and wastewater systems.
- Implement the goals of the Groundwater Management Plan.
- Integrate recommendations of the Long-term Wastewater Management Plans with the Master Plan.
- Support economic growth and development consistent with the City of Hollister and San Benito County General Plans and Policies.
- Consider regional issues and solutions.

1.1.3 Regional Approach and Agency Collaboration

The 2004 MOU also established the institutional framework for completing the 2008 Master Plan. A Governance Committee was established for overall direction, policy directives, and decision-making. The Governance Committee consists of two elected officials from each agency. A Management Committee was also established for day-to-day management and resolution of planning and technical issues. The Management Committee consists of one staff member from each agency and a program manager. This institutional framework enabled the agencies to work collaboratively in developing overall, regional solutions.

1.1.4 Planning Process

A comprehensive planning process was used to develop and evaluate a wide range of alternatives for integrated water resources management, as illustrated in Figure 1-2. The planning process involved establishment of the basis of planning, development of and initial screening of concepts, and final evaluation of alternative plans.



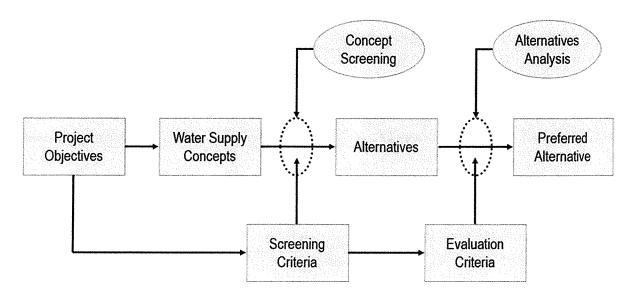


Figure 1-2. Comprehensive Planning Process

1.2 2009 Coordinated Water Supply and Treatment Plan

In 2009, the Coordinated Water Supply and Treatment Plan (Coordinated Plan) was completed. The purpose of the Coordinated Plan was to refine the water supply and treatment recommendations from the 2008 Master Plan. Water supply and treatment were determined to be the critical first step in the implementation program.

The Coordinated Plan recommended the following:

- Upgrade the existing Lessalt Water Treatment Plant (WTP).
- Construction of the new West Hills WTP.
- Firm up the existing imported municipal and industrial (M&I) surface water supply from the Central Valley Project (CVP).
- Further investigate a conjunctive-use project with local surface water supplies and groundwater in the North County area.

1.3 2014 Memorandum of Understanding

Because the goals of the 2008 Master Plan were largely achieved, the agencies recognized that a new MOU was needed to update the 2008 Master Plan and continue planning for the future. The 2014 MOU was developed among the City, SBC, SBCWD, and SSCWD to facilitate and guide this update.

The 2014 MOU incorporated the principles, objectives, and assumptions from the 2004 MOU. In addition, the following issues were identified for evaluation in the next master plan:

- Update water demand and wastewater flow projections.
- Review and evaluate previously identified long-term water supply options.



- Review drinking water goals for total dissolved solids (TDS) and hardness.
- Review goals for recycled-water TDS.
- Evaluate the need, timing, and estimated cost of the following facilities and activities:
 - Expansion of the West Hills WTP,
 - Crosstown Pipeline,
 - Demineralization or Softening at Municipal Groundwater Wells,
 - Modifications to and/or expansion of the City's Water Reclamation Facility and the SSCWD Ridgemark Wastewater Treatment Plant,
 - Expansion of the recycled water system, and
 - Major infrastructure improvements to the water distribution system and the wastewater collection system.

The 2014 MOU also reaffirmed the institutional framework and responsibilities of the Governance and Management Committees.

1.4 2017 Master Plan Update

The 2017 Master Plan Update presented water demand and wastewater flow projections through 2035 considering economic, climate, and water usage changes since the 2008 Master Plan. The 2017 Master Plan Update addressed the issues identified in the 2014 MOU and recommended the following supply augmentation and facility expansion projects:

- ♦ Further investigate local surface water supply and storage.
- Complete feasibility and environmental studies for the North Area Groundwater Project.
- Identify a location for a new well with wellhead treatment in the north part of the City's distribution system to provide high-quality drinking water and improve fire suppression flow.
- Expand the West Hills WTP to continue to improve the water quality of the municipal supply and to meet the demands of new connections.
- Connect City Wells Nos. 4 and 5 to the West Hills WTP transmission pipeline and construct the Crosstown Pipeline to extend the reach of high-quality water and address hexavalent chromium concerns.
- ♦ Add flow equalization at the City's WRF to improve recycled water production.
- Expand the recycled-water distribution system to new customers, as needed.

Many of these projects have been completed, and the need and timing for those that have not been completed are further evaluated and updated in this Master Plan Update.

1.5 2021 Memorandum of Understanding

In 2020, SJB was fined by the U.S. Environmental Protection Agency (EPA) for violating discharge limits at its wastewater facility. The violations were in part due to the wastewater



influent being high in sodium, chlorides, and TDS concentrations. Such influent is a result of poor-quality water for domestic use. As part of the resolution and to reach settlement with the EPA, SJB evaluated options for higher-quality source water for its municipal customers and reached an agreement with SBCWD to divert treated water from the West Hills WTP.

The 2021 MOU continues the institutional collaboration among the City, SBC, SBCWD, and SSCWD, and adds SJB as a partner in future master plan updates and facility planning.

1.6 Related Planning Activities

Several recently completed or ongoing planning activities are related to this Master Plan Update. All work completed for this Master Plan Update was closely coordinated with these related planning activities.

1.6.1 2020 Hollister Urban Area Urban Water Management Plan

The 2020 HUA Urban Water Management Plan (UWMP) was prepared as a collaborative effort among the City, SSCWD, and SBCWD. The plan was prepared in accordance with the Urban Water Management Planning Act and guidelines prepared by the Department of Water Resources (DWR). The 2020 UWMP is intended to help guide the area's future water management efforts.

The plan builds on and updates the 2015 UWMP by accounting for changes in the California Water Code and local planning and water management efforts. Updates include the Drought Reliability Assessment, quantification of demand reduction of the Water Shortage Contingency Plan, and detailed consideration of supply reliability by source.

1.6.2 San Juan Bautista Water Master Plan

In November 2020, SJB published its Water Master Plan. The SJB Water Master Plan summarizes that the current water supply is largely groundwater and faces several water quality challenges. To meet future demands and to secure more-reliable and higher-quality water, the SJB Water Master Plan recommends constructing a transmission pipeline and associated facilities to connect SJB's distribution system to SBCWD's West Hills WTP. The Water Master Plan also provides an updated water demand projection through 2045 based on the latest land use information and consumption data.

1.6.3 City of Hollister Water Distribution System Master Plan

In 2018, the City completed the master planning of its distribution system. The plan addresses existing deficiencies in the water distribution system based on latest standards and requirements, addresses deficiencies in the distribution system to meet future build-out needs, and provides a prioritized capital improvement program and list of recommended projects. The plan revealed that several locations cannot meet 50 percent of the required fire suppression flow. These locations include East Street, Walnut Lane, and the industrial area surrounding the Hollister Municipal Airport.

1.6.4 Groundwater Sustainability Plan (GSP)

The Sustainable Groundwater Management Act (SGMA) of 2014 provides a process and timeline for sustainable management of groundwater basins by local agencies. The SGMA



applies to groundwater basins or subbasins designated by DWR as high or medium priority, such as the Hollister, San Juan Bautista, and Bolsa subbasins, which are managed by SBCWD. It requires establishing one or more Groundwater Sustainability Agencies (GSAs) that encompass a basin or subbasin, developing one or more Groundwater Sustainability Plans (GSPs), and achieving groundwater sustainability within 20 years.

The Hollister, San Juan Bautista, and Bolsa subbasins of the Gilroy-Hollister Basin have been ranked as medium priority and thus are subject to the SGMA. In addition, the adjacent Llagas subbasin of the Gilroy-Hollister Basin (Santa Clara County) has been ranked as high priority, and the Pajaro Valley Groundwater Basin (which overlaps Santa Cruz, Monterey, and San Benito counties) has been ranked as high priority. Moreover, the Pajaro Valley Groundwater Basin has been designated as critically over-drafted. This has important ramifications for preparing and implementing GSPs; specifically, GSPs for such over-drafted basins must be adopted with implementation underway by 2020 (2 years early), and sustainability must be achieved by 2040.

After 3 years of preparation, public workshops, and technical reviews, the North San Benito GSP was adopted by the SBCWD Board of Directors in November 2021. In this GSP, the Bolsa, Hollister, San Juan Bautista subbasins of the Gilroy-Hollister Basin and the Tres Pinos Valley Basin form the North San Benito Basin. The GSP provided recommended projects and management actions to improve long-term basin health. The two recommended projects were the Pacheco Reservoir Expansion Project (PREP) and expanding the Managed Aquifer Recharge (MAR) project.

The GSP was funded via the Sustainable Groundwater Management Planning Grant, and SBCWD obtained additional grant funding to site, design, and install dedicated monitoring wells and a feasibility study for the MAR to supplement groundwater recharge. The feasibility study compared two alternatives of MAR methods and recommended the Aquifer Storage and Recovery (ASR) alternative to expand SBCWD's groundwater recharge practices.

1.6.5 Pacheco Reservoir Expansion Project (PREP)

The PREP is a collaborative effort among Valley Water, SBCWD, and the Pacheco Pass Water District (PPWD). The project will establish a new dam and expanded reservoir on the North Fork of Pacheco Creek. The existing dam and reservoir were constructed in 1939 and have been used for supplemental groundwater recharge along Pacheco Creek.

The PREP would increase Pacheco Reservoir's operational capacity from 5,500 acre-feet (AF) up to 140,000 AF. A Draft Environmental Impact Report (EIR) was released for public review in November 2021.

SBCWD entered into an MOU with Valley Water in 2019 to support the implementation of PREP. Under the interagency agreement, SBCWD would participate in the project at levels ranging from 2.5 to 10 percent and would receive an equivalent share of the storage volume. The PREP was originally estimated to cost \$1.1 billion, but costs have grown, and it is currently estimated at \$2.5 billion. The PREP will receive \$500 million of grant funding under the State's



Water Quality, Supply, and Infrastructure Act of 2014 (Proposition 1) and has qualified for a loan under the Water Infrastructure Finance and Innovation Act.

1.6.6 B.F. Sisk Dam Seismic Retrofit and Raise

The B.F. Sisk Dam Safety of Dams Modification Project could also include raising the dam that creates San Luis Reservoir. This project, which is being developed by USBR and DWR, is intended to reduce seismic risk and increase water storage behind the dam. Construction is scheduled for completion in 2031.

SBCWD diverts its CVP allocations from San Luis Reservoir. During elongated drought conditions, the future reliability of annual CVP imports is uncertain. Therefore, SBCWD has considered participating in the B.F. Sisk Dam Raise project to increase storage capacity for carryover storage of surface water allocations in years when excess water is available.

1.7 Objectives and Scope for This Master Plan Update

The objectives, scope, approach, and key planning assumptions for this Master Plan Update are described in the following subsections. The emphasis for this Master Plan Update is on water supply and treatment. The wastewater and recycled water facilities will be addressed in a future update once the City of Hollister General Plan Update is complete and the Local Agency Formation Commission issues related to wastewater service area are resolved.

1.7.1 Objectives

The overall objectives of this Master Plan Update are the following:

- Provide continuous improvement toward achieving drinking water quality goals.
- Increase dry-year water supply reliability.
- Provide a reliable and sustainable water supply to respond to long-term growth needs.
- Coordinate with ongoing programs including SGMA related activities and the supply of treated surface water to SJB.
- Continue to address water needs through coordinated regional solutions.

1.7.2 Scope of Work

The Scope of Work for completing this Master Plan Update includes the following tasks:

- ♦ Task 1 Update Water Demands
- ♦ Task 2 Review Water Quality Goals
- ♦ Task 3 Develop and Evaluate Long-term Water Supply Options
- ♦ Task 4 Facilities Review, Evaluation, and Update
- ♦ Task 5 Institutional and Financial Arrangements Support
- ♦ Task 6 Project Management, Meetings, and Reports



1.7.3 Planning Approach

The planning approach for this Master Plan Update is similar to the approach used for past master plans, as shown in Figure 1-2.

1.7.4 Study Area

The study area developed by the agencies includes lands that are planned for future development that might require municipal and industrial water supply. The study area, shown in Figure 1-3, includes the original Hollister Planning Area boundary, which includes the Sphere of Influence adopted by the Local Agency Formation Commission, some adjacent lands, and the San Juan Bautista city limit.

1.7.5 Planning Period

The planning period for the 2022 Master Plan Update extends through 2045, which coincides with the planning horizon of the 2020 UWMP.

1.8 Abbreviations

To conserve space and improve the text, the following abbreviations have been used in this Master Plan Update:

2008 Master Plan	2008 Hollister	Urban Area Water	and Wastewater Master Plan

2017 Master Plan 2017 Hollister Urban Area Water and Wastewater Master Plan Update

Update

Master Plan Update San Benito Urban Areas Water Supply and Treatment Master Plan

Update

ADD average daily demand

ADRoP Accelerated Drought Response Project

AF acre-feet

AFY acre-feet per year
Ag water Agricultural CVP water

agencies City of Hollister, San Benito County, San Benito County Water District,

San Juan Bautista, and Sunnyslope County Water District

ASR aquifer storage and recovery

CCI Construction Cost Index
CCL Contaminant Candidate List

CEQA California Environmental Quality Act

CIP Capital Improvement Program

City City of Hollister
City Council Hollister City Council

Coordinated Plan 2009 Coordinated Water Supply and Treatment Plan

County San Benito County
CVP Central Valley Project



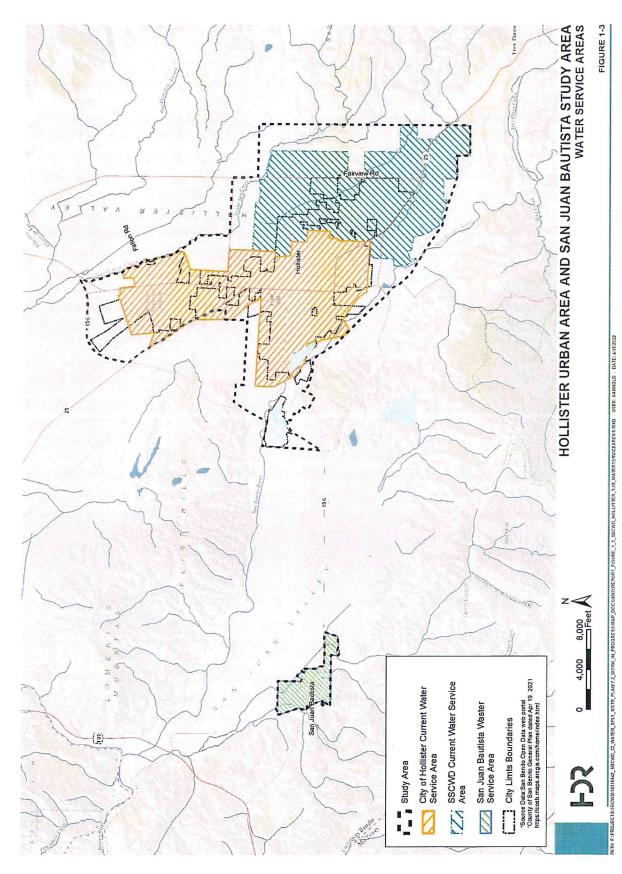


Figure 1-3. Study Area



DDW California Division of Drinking Water

DWR California Department of Water Resources

e.g. for example

EIR Environmental Impact Report ENR Engineering News-Record

EPA U.S. Environmental Protection Agency

GMP Groundwater Management Plan

gpd gallons per day gpm gallons per minute

GSA Groundwater Sustainability Agency
GSP Groundwater Sustainability Plan

H&SC Health and Safety Code
H:V horizontal to vertical
HUA Hollister Urban Area

i.e. that is

I/I inflow and infiltration

in inch

IPR indirect potable reuse

2008 Master Plan 2008 Hollister Urban Area Water and Wastewater Master Plan

2017 Master Plan 2017 Hollister Urban Area Water and Wastewater Master Plan Update

Update

M&I municipal and industrial

Master Plan Update San Benito Urban Areas Water Supply and Treatment Master Plan

Update

MAR managed aquifer recharge
MCL maximum contaminant level
MDD maximum daily demand

MG or Mgal million gallons
mg/L milligrams per liter
mgd million gallons per day
MMD maximum month demand

NEPA National Environmental Policy Act

NL Notification Level

No. number

O&M operation and maintenance

OEHHA California Office of Environmental Health Hazard Assessment



PFAS per- and polyfluoroalkyl substances

PFBS perfluorobutane sulfonic acid

PFOA perfluorooctanoic acid

PFOS perfluorooctanesulfonic acid

ppb parts per billion ppt parts per trillion

PPWD Pacheco Pass Water District

PREP Pacheco Reservoir Expansion Project

RWQCB California Regional Water Quality Control Board, Central Coast Region

SBC San Benito County

SBCWD San Benito County Water District

SBUA San Benito Urban Areas

SCVWD Santa Clara Valley Water District

SF single family residential

SGMA Sustainable Groundwater Management Act

SJB City of San Juan Bautista

SRWS self-regenerating water softener
SSCWD Sunnyslope County Water District

State State of California

State Board California State Water Resources Control Board

SWP State Water Project

SWTR Surface Water Treatment Rule

TDS total dissolved solids

Title 22 Title 22 of the California Code of Regulations

TM Technical Memorandum
TSS total suspended solids

U.S. United States

USBR United States Bureau of Reclamation
UWMP Urban Water Management Plan

WDR Waste Discharge Requirements

WRA Water Resources Association of San Benito County

WRF City of Hollister Water Reclamation Facility

WSE water surface elevation WTP water treatment plant

yr year



2 Improvements since the 2008 Master Plan

After the 2017 Master Plan Update was completed, the agencies collaborated to successfully implement major water projects for the benefit of the HUA. Water conservation and other water-related programs have also continued.

2.1 Water Supply Improvements

Significant actions have been taken to improve the reliability and sustainability of both surface water and groundwater supplies in the HUA.

2.1.1 Surface Water Supply

The following subsections describe the major activities related to improving the reliability of surface water supplies in the HUA.

2.1.1.1 CVP ALLOCATIONS

SBCWD gets the majority of its surface water supply through USBR's CVP and its facilities. The CVP allocations are stored at San Luis Reservoir. The San Felipe Project, a diversion system, conveys CVP water from San Luis Reservoir to the County. The CVP contract entitlements are 35,550 AF for agricultural use and 8,250 AF for municipal and industrial (M&I) customers. On an annual basis, CVP allocations are subject to the USBR's Shortage Policy¹, as established in 2017.

As described in the 2017 Shortage Policy, allocation of CVP water supplies for any given water year is based upon forecasted reservoir inflows and Central Valley hydrologic conditions, amounts of storage in CVP reservoirs, regulatory requirements, and management of supply yields in accordance with implementation of the Central Valley Project Improvement Act (CVPIA). During normal and wet years, M&I allocations may be 100 percent of the contract amount; however, during below normal, dry and critically dry years, the allocations may be reduced below the contract amount. More specifically, the 2017 Shortage Policy indicates the following impacts to the reliability of the CVP supply.

- During a shortage, M&I allocations are based on SBCWD's historical use, which is
 established as the average quantity of CVP water put to beneficial use during the last
 three years of unconstrained CVP water deliveries. SBCWD's current historical use is
 set at the M&I entitlement amount of 8,250 AFY.
- Before allocation of M&I water is reduced, the allocation of irrigation water will be reduced below 75 percent of contract total.
- When the allocation of irrigation water has been reduced below 75 percent and still
 further water supply reductions are necessary, both the M&I and irrigation allocations will
 be reduced by the same percentage increment. The M&I allocation will be reduced until
 it reaches 75 percent of historical use, and the irrigation allocation will be reduced until it

¹ Central Valley Project Municipal and Industrial Water Shortage Policy Guidelines and Procedures, USBR 2017



- reaches 50 percent of irrigation contract total. The M&I allocation will not be further reduced until the irrigation allocation is reduced to below 25 percent of the contract total.
- Reclamation will strive to deliver M&I water at not less than the amount needed to meet
 the public health and safety (PHS) need, taking into consideration both CVP allocations
 and available non-CVP supplies, provided CVP water is available. The Shortage Policy
 defines how the PHS need is established, based on domestic, commercial/institutional,
 and industrial needs and includes an allowance for system losses.

Table 2-1 summarizes the CVP allocations for the period 2011 – 2020.

Table 2-1. Past M&I CVP Allocations

Year	Allocation Percent ¹ (%)	Allocation Amount (AF)	Actual Amount Used ¹ (AF)	Unused Supply (AF)
2011	100%	8,250	2,433	5,817
2012	51%	4,208	2,683	1,525
2013	47%	3,878	2,652	1,226
2014	34%	2,805	1,599	1,206
2015	25%	2,063	1,810	253
2016	55%	4,538	1,914	2,624
2017	100%	8,250	2,909	5,341
2018	75%	6,188	5,679	509
2019	100%	8,250	4,457	3,793
2020	70%	5,775	4,953	822
10 Year Average	66%	5,420	3,109	2,311
3 Year Minimum Average (2013–2015)	35%	2,915	2,020	895

AF - acre-feet

SBCWD's contract with USBR also provides the provision to convert any, or all, of the Ag water entitlement to increase the 8,250 AFY M&I entitlement when the demand for M&I water grows beyond 8,250 AFY. As future M&I demands increase beyond the current entitlement, SBCWD should evaluate if a conversion from Ag to M&I is appropriate.

2.1.1.2 IMPORTED SURFACE WATER TRANSFERS / SPOT MARKET

Over the past decade, SBCWD has had an ongoing practice of purchasing out-of-basin water supplies to supplement its imported CVP supplies. These purchases have totaled 13,550 AF over the period.

Purchases are made, when available and cost-effective, from a variety of sources including irrigation districts north of the Sacramento–San Joaquin River Delta, the San Joaquin River Exchange Contractors, and other sources. These purchases range from single-year (spot market) purchases to multi-year agreements (typically up to 5 years).

^{1.} Source: Todd Groundwater, 2020 Annual Groundwater Report, Table E-1



2.1.1.3 SEMITROPIC WATER BANK

In February 2011, SBCWD entered into an agreement with Valley Water to participate in the Semitropic Water Bank. Under the terms of the agreement, SBCWD will deliver 5,000 AF of CVP contract water to Valley Water. Valley Water will then store that amount of its CVP contract water supply, less 10 percent losses imposed by the Semitropic Agreement, on behalf of SBCWD for future recovery.

With this arrangement, SBCWD is able to improve its ability to manage current and long-term water supplies, provide a reliable supply for the two surface water treatment plants (Lessalt and West Hills WTPs), and provide an additional source of water supply. However, retrieving that water during dry years is a challenge under some circumstances (e.g., restrictions on pump water out of the Sacramento-San Joaquin Delta) when water cannot be effectively 'swapped' with a water agency downstream of Semitropic.

2.1.2 Groundwater

Improvements have also been completed to increase the reliability and sustainability of groundwater supplies.

2.1.2.1 ENHANCED PERCOLATION

A variety of activities are ongoing for percolation to enhance groundwater supplies. Table 2-2 summarizes the percolation quantities during the past 5 years.

Table 2-2. Past Percolation Quantities Summarized by Source (AF)

Year	Reservoir Release for Percolation	Percolation of CVP	Percolation of Treated Wastewater Effluent	Total
2016			2,402	2,402
2017	25,598	2,549	2,177	30,324
2018	6,438	2,965	1,587	10,990
2019	17,969	5,043	1,986	24,998
2020	11,510	3,161	2,553	17,224

AF - acre-feet, CVP - Central Valley Project

Source: Todd Groundwater, 2020 Annual Groundwater Report, Appendix D

Percolation of CVP Water. In the past, CVP percolation was used to recharge the groundwater basin. CVP percolation peaked in 1997 and was reduced subsequently in response to the successful recovery of the groundwater basin from overdraft. Direct in-stream recharge of CVP water was suspended from 2008 to 2016 due to low CVP allocations and concern about the release of invasive Dreissenid (zebra) mussels, which had been discovered in San Justo Reservoir. SBCWD has resumed recharge at dedicated basins adjacent to streams.

Percolation of Local Surface Water. In most years, local surface water released from Hernandez and Paicines reservoirs is percolated along the San Benito River and Tres Pinos Creek. Releases of local surface water have been limited typically to percolation upstream of the confluence of the San Benito River and Tres Pinos Creek. This release has helped maintain groundwater levels without causing shallow groundwater problems and competing for available storage space with the City's wastewater percolation ponds. In years when both Paicines and



Hernandez were dry for the entire year due to drought conditions, there were no releases for groundwater percolation.

Percolation at City's WRF. Treated wastewater effluent is percolated at the City's WRF and is also percolated at the SSCWD Ridgemark Wastewater Treatment Plant and by Tres Pinos Water District. SBCWD constructed an intertie to enable the diversion of excess CVP water to the percolation ponds on the west side of State Route 156 for percolation when the recycled water system is not in use.

2.2 Water Treatment and Distribution

Major improvements and additions have been completed to facilities for the treatment and transmission of surface water supplies. Major water facilities are shown in Figure 2-1.

2.2.1 Surface Water Treatment Plants

Treated surface water plants include the existing Lessalt WTP and the new West Hills WTP, which was completed in the fall of 2017.

2.2.1.1 LESSALT WATER TREATMENT PLANT

The Lessalt WTP, owned by SBCWD and operated by SSCWD under contract, was placed into operation in January 2003. The plant, shown in Figure 2-2, was upgraded in 2014 to comply with the requirements of the Disinfectants and Disinfection Byproducts Rule. The treated water is distributed to both City and SSCWD customers.

The plant has a rated capacity of 2.0 million gallons per day (mgd) capable of treating 2,240 AF of imported CVP supply annually. The plant has a short-term production capacity of up to 2.5 mgd.

2.2.1.2 WEST HILLS WATER TREATMENT PLANT

The West Hills WTP and associated transmission facilities are designed for an ultimate capacity of 9 mgd. The Phase 1 treatment and raw water pumping facilities were constructed with an initial capacity of 4.5 mgd in 2017. The plant, shown in Figure 2-3, has the following treatment objectives:

- Reliably meet all applicable drinking water regulations, in particular the Stage 2 Disinfectants and Disinfection Byproducts Rule.
- Remove total organic carbon from the source water such that byproducts formed during disinfection within the 14-day distribution system water age remain within the regulated limits.
- Provide pretreatment to reduce iron and manganese in the San Justo Reservoir source water.



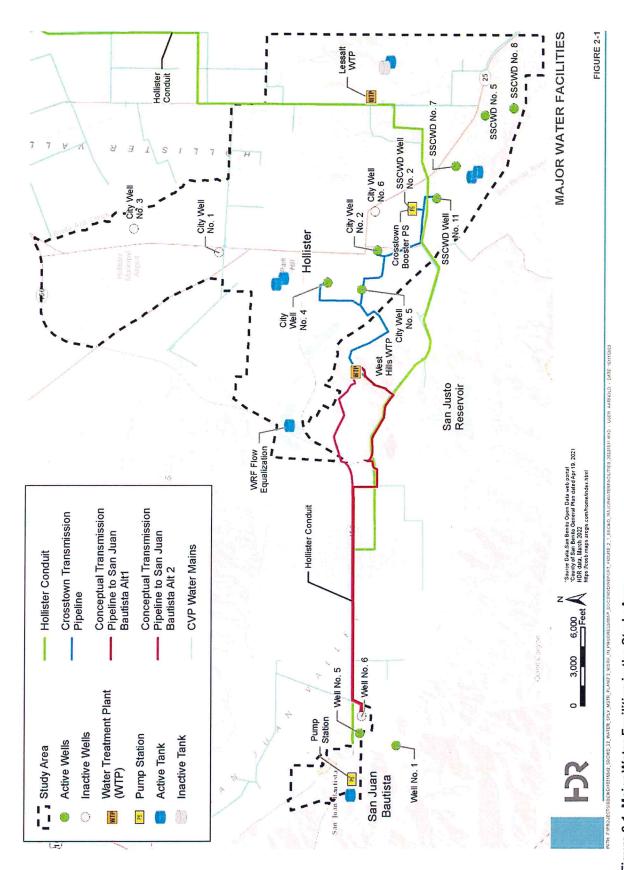


Figure 2-1. Major Water Facilities in the Study Area

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The West Hills WTP process and facilities include a raw water pump station, raw water conveyance and treated water transmission pipelines, pre-oxidation for iron and manganese removal, ballasted flocculation clarification pretreatment with enhanced organics removal, conventional gravity filtration, chemical feed and storage, treated water storage tank, and solids handling systems. Water will be delivered from the Hollister Conduit to the plant. Once on-site, the primary treatment processes, storage tank, and the distribution system will operate by gravity. The treated water pipeline will connect to the existing City distribution system at City Well No. 5 and City Well No. 4. The Crosstown Pipeline project will include extending the transmission pipeline to the middle zone and City Well No.2.

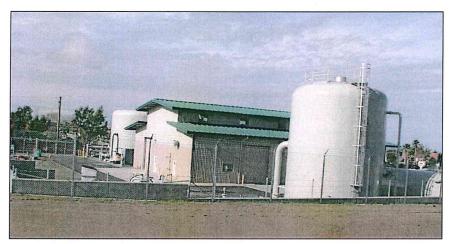


Figure 2-2. Lessalt Water Treatment Plant



Figure 2-3. West Hills Water Treatment Plant

2.2.2 Transmission System Improvements

Since the West Hills WTP was completed, two key projects were completed to expand the distribution of high-quality surface water and to support compliance with the anticipated State hexavalent chromium maximum contaminant level (MCL).

2.2.2.1 CROSSTOWN PIPELINE

The Crosstown Pipeline was planned as a transmission pipeline to extend West Hills finished water to the middle zone of the distribution system. The treated surface water blends with



SSCWD and City groundwater wells, some of which are high in hexavalent chromium to address the would-be noncompliance of the hexavalent chromium MCL.

The recently completed Crosstown Pipeline ranges from 16 inches to 20 inches in diameter and spans approximately 2.5 miles in length. Pump stations and blending stations were constructed at existing well sites, City Well No.2, SSCWD Well No.2 and SSCWD Well No.11 to facilitate blending. Specifically, the blending at SSCWD Well No. 11 allows the well to operate at its target pumping rate to provide hexavalent-chromium-compliant water for blending with certain City wells if the WHWTP is down.

2.2.2.2 WEST HILLS WTP CONNECTION TO WELL NO.2, WELL NO. 4 AND WELL NO. 5
The City blends water from three of its well sites, City Well No. 2, City Well No. 4 and City Well No. 5, with the high-quality water from the West Hills WTP to improve water quality and to address the would-be noncompliance of the hexavalent chromium MCL. The 20-inch transmission pipeline from West Hills bifurcates to a 16-inch pipe at San Benito Street and River Parkway to connect with City Well No. 2; to a 12-inch pipe along Westside Boulevard to connect with City Well No. 4, and similarly bifurcates to a 12-inch pipe near the connection to the City's distribution to connect with City Well No. 5.

2.3 Water Conservation

Water conservation is an important tool to manage demands in the HUA. During the multi-year drought, the State mandated water retailers to reduce their demand. Water conservation efforts are led by the Water Resources Association (WRA).

Assembly Bill 1668 and Senate Bill 606 built on California's efforts to make water conservation a way of life and created a new foundation for long-term improvements in water conservation and drought planning. Assembly Bill 1668 and Senate Bill 606established guidelines for efficient water use and a framework for implementing and overseeing the new standards, which must be in place by 2022. The two bills strengthen the state's water resiliency in the face of future droughts with provisions that include the following:

- Establishing water use objectives and long-term standards for efficient water use that apply to urban retail water suppliers
- Providing incentives for water suppliers to recycle water
- Identifying small water suppliers and rural communities that might be at risk of drought and water shortage vulnerability and providing recommendations for drought planning
- Requiring both urban and agricultural water suppliers to set annual water budgets and prepare for drought

During the 2010–2017 drought, several Executive Orders were made to respond to the record dry conditions. Most prominently, on April 1, 2015, an Executive Order mandated water reduction in urban areas to reduce potable urban water usage by 25 percent statewide. The City and SSCWD were required to submit their monthly water demand reduction accomplishments to the State Water Resources Control Board to document their respective achievements in



reducing water demand. The City and SSCWD had reduced 26.4 percent and 36.2 percent from their respective 2013 water use, thereby surpassing the mandated conservation requirement.

Other ongoing water conservation programs include the following:

- Landscape Hardware Rebates
- Free Water-Wise Landscape Plans
- Water Softener Assistance and Rebate Program
- Free Home Water Checkups
- Irrigation Assistance
- Toilet Replacement Program
- Education program (workshops; school programs that includes field trips to a water treatment plant and wastewater facility [transportation paid by WRA]; supplying a speaker to service organizations and government entities to explain water issues in San Benito County)
- Outreach programs including ads in local newspapers, bill inserts, newsletters, the San Benito County Fair, Water Awareness Month (May), a Water-Wise demonstration garden, a water conservation library for public use, the WRA website, water efficient landscape plans, and internet and print ads in the Hollister Free Lance newspaper and website

These ongoing water conservation programs have successfully reduced water demand in the HUA. However, some of these measures might be reaching saturation. For example, the number of remaining toilets eligible for rebates is limited, since many residents have already installed low-flow toilets. It is important to continue and diversify these plumbing and landscape conversion programs and public outreach to encourage the public to continue to use water wisely.

Together, the state-ordered demand reduction coupled with the expansion of ongoing water conservation efforts has successfully lowered water demand in the HUA.

2.4 Other Programs

In addition to the improvements and water conservation programs described above, the following programs were also implemented to improve water quality and water conservation awareness in the HUA.

2.4.1 Water Softener Rebate Programs

Since 2008, a program has been in place to issue rebates to those water customers who remove a self-regenerating water softener (SRWS) without replacement (\$300) or with transition to an off-site exchange service (\$250). In July 2014, the City also enacted an ordinance that prohibits installing new SRWSs that use sodium and/or potassium salts. SSCWD also adopted a new code through Ordinance #79 prohibiting new or replacing existing SRWSs. The intent of these programs is to remove salt from the wastewater, thereby improving the resulting recycled water and reducing salt loading to the groundwater basin through percolation.



2.4.2 Irrigation Education

SBCWD, in collaboration with WRA, has offered classes since 2009 on irrigation efficiency and other agriculture practices. These classes provide concepts, tools, and examples for optimizing irrigation and nitrogen management efficiency in row, tree, and greenhouse crop production. The classes also focus on keeping records and acquiring data needed for water quality regulation and reporting.

WRA also offers classes to residential customers. These classes instruct customers on topics such as efficient irrigation practices, converting landscapes to be water-wise, and composting.



3 Projected Water Demands

Demand projections are required for this Master Plan Update to identify future urban water supply needs for the planning horizon of 2045. The demand projections presented in this section follow the framework set by previous studies. The detailed analysis was documented in a technical memorandum that is included in Appendix A.

The existing average annual water demands for the SBUA are approximately 5,560 AFY based on the production data from 2018 to 2019. 2020 was excluded due to the singularity of the pandemic. The annual water demand is projected to increase to approximately 9,190 AFY by 2035 and to approximately 12,500 AFY by 2045, as illustrated in Figure 3-1. By comparison, the 2017 Master Plan Update projected that the annual water demand would be 10,170 AFY by 2035. The decrease in projected future demands is attributed to changes in consumer behavior due to the success of the conservation program, reduced consumption due to increasing water rates, and delayed population growth in the SBUA. The significant difference between the recent demands illustrated in Figure 3-1 and the estimated 2021 demand is due to including SJB's demand, which is 314 AFY for 2021, in the projected demands.

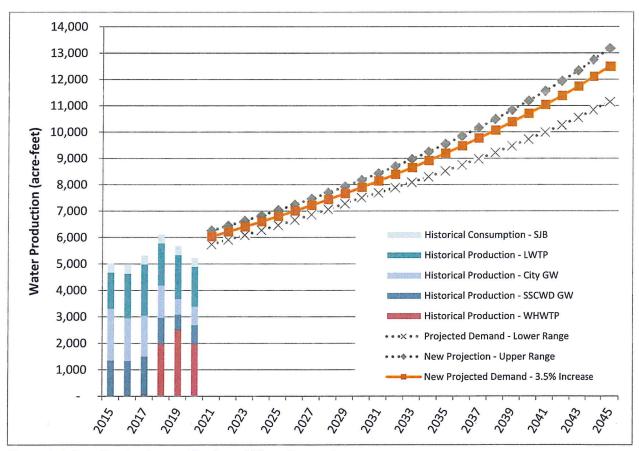


Figure 3-1. Past Production and Projected Water Demands

Due to the inherent uncertainty in projecting future conditions, a range is presented in Figure 3-1. The upper band of the range is the demand projection based on a 4 percent annual



population increase in the City and SSCWD service areas plus San Juan Bautista's estimated demands. The lower band uses a lower unit factor of 0.25 AFY per single-family residence based on recent water consumption data. This reflects the consideration of efficient water use and smaller new homes and landscape areas in the future. Due to this uncertainty, it will be important to revisit demand forecasts every five years such that the new water supply infrastructure needed to serve the future demand is implemented in a timely manner.

Compared to the 2017 Master Plan Update, there are two major changes in the water demand projection. The first is that a 3.5 percent annual population growth rate is used compared to the 4 percent rate used in the previous plan. Regional and local planning documents suggest that the region, especially the urban areas, will continue to experience growth but at a slower rate compared to what was previously predicted. The second significant change is the inclusion of SJB since the 2021 MOU. Table 3-1 summarizes the updated water demand projection at 5-year increments through 2045.

Table 3-1. Projected Annual Demand, ADD, MMD, MDD

•	• •	•				
	Existing (Average of 2018 and 2019)	2025	2030	2035	2040	2045
Annual Water Demand (A	AFY)					
SSCWD	2,417	2,813	3,274	3,817	4,461	5,217
City	3,142	3,657	4,256	4,963	5,799	6,783
SJB		340	372	410	451	496
Total Annual Demand ¹	5,560	6,810	7,900	9,190	10,710	12,500
Demand on Water Produ	ction Facilities (mgd)				
Average Day (ADD)	5.0	6.1	7.1	8.2	9.6	11.2
Max month (MMD) ²	7.4	9.1	10.6	12.3	14.3	16.7
Max day (MDD) ³	9.9	12.2	14.1	16.4	19.1	22.3

ADD – average daily demand, AF – acre-feet per year, City – City of Hollister, MDD – maximum daily demand, MMD – maximum month demand, SJB – City of San Juan Bautista, SSCWD – Sunnyslope County Water District Notes:

- 1. Values are rounded.
- 2. Maximum month demand (MMD) is estimated at 1.5 times average day demand (ADD).
- 3. Maximum day demand (MDD) is estimated at 2.0 times ADD.



4 Long-Term Water Supply

Northern San Benito County has a diverse and complex water supply composed of imported surface water from San Luis Reservoir, a substantial groundwater basin, numerous river and creek channels for groundwater recharge, and opportunities for water recycling. However, imported surface water supplies are subject to reduced deliveries due to drought and environmental constraints in the Sacramento—San Joaquin River Delta. Municipal groundwater supplies are high in TDS and hardness and in some areas have hexavalent chromium concentrations that exceed California Division of Drinking Water (DDW) standards. Although DDW has not officially published an MCL for hexavalent chromium, both SSCWD and the City have prepared compliance plans, as documented in the 2017 Master Plan Update.

To meet increased water demands and achieve the reliability and water quality objectives for the SBUA, long-term water supply options have been developed and evaluated.

4.1 Existing Water Supply Sources

Water supplies for the SBUA currently include local groundwater, imported surface water, and recycled water, as described in the following subsections.

4.1.1 Groundwater

The HUA overlies the Gilroy-Hollister groundwater basin, designated as DWR Basin No. 3-3. The San Benito County portion of the basin is bounded by the Pajaro River in the north, the Diablo Range on the east, and the Gabilan Range to the southwest. The basin covers 200 square miles of the Pajaro River watershed and is drained by its tributaries, most notably the San Benito River.

The total groundwater storage in the Gilroy-Hollister groundwater basin is estimated to be approximately 500,000 AF within the upper 200 feet of the basin. Previous estimates of the groundwater safe yield range from 40,000 to 54,000 AFY.

Both the City and SSCWD use groundwater wells for M&I supply. In 2020, the City and SSCWD pumped a combined total of 1,401 AF (707 AF and 694 AF, respectively) from the groundwater basin.²

The groundwater has a high mineral content with some wells exceeding 1,000 milligrams per liter (mg/L) TDS compared to the California recommended secondary drinking water standards of 500 mg/L TDS. Hardness in existing M&I groundwater supplies ranges from 300 to 400 mg/L, which is considered very hard and can lead to customers using water softeners. All active City wells and one SSCWD well (Well No. 7) would exceed the 10.0 parts per billion (ppb) for the hexavalent chromium MCL if the regulation is adopted.

Each water year, SBCWD oversees the preparation of an Annual Groundwater Report that describes current groundwater conditions. The report documents water supply sources and use, groundwater levels and storage, and management activities over the water year (October to

² Data source: SBCWD, 2020 Urban Water Management Plan



September). Recommendations are provided regarding the future surface water imports, groundwater replenishment, groundwater pumping, and groundwater charges.

As described in Section 1.6.4, the SBCWD Board of Directors adopted the GSP for local subbasins affected by the Sustainable Groundwater Management Act. The plan recommends expanding surface water storage and managed aquifer recharge projects to protect North San Benito Basins' long-term health and sustainability.

SJB owns and operates a domestic water system that consists of two active groundwater wells, Well 1 and Well 5. The local groundwater is high in nitrite and hardness. From 2015 to 2017, the average groundwater production ranged between 0.2 to 0.24 MGD. Well efficiencies fluctuate with water depths through droughts, normal or wet years.

4.1.2 Surface Water

SBCWD purchases imported CVP surface water from USBR. SBCWD's contract with USBR is for a total supply of 43,800 AFY, of which 35,550 AFY is for agricultural use and 8,250 AFY is for M&I use. The current contract was effective in March 2021 and may be terminated upon mutual consent. The contract provides the provision to convert any, or all, of the agricultural entitlement to increase the 8,250 AFY M&I entitlement when the demand for M&I water grows beyond 8,250 AFY. As future M&I demands increase beyond the current entitlement, SBCWD should evaluate if a conversion from Ag to M&I is appropriate.

As described in Section 2.1.1.1, the CVP supply is governed by the USBR's 2017 Shortage Policy in years when a shortage condition is triggered. In such years, the available CVP supply is allocated based on a percentage of historical use. SBCWD's historical use is set at the full M&I entitlement amount of 8,250 AFY. However, under extreme drought conditions, the USBR's Shortage Policy allows allocation to be reduced to the PHS need, or lower depending on the available supply in the overall system.

CVP water is imported through the Sacramento—San Joaquin River Delta to San Luis Reservoir and conveyed through the Hollister Conduit, which is part of the San Felipe Project. The Hollister Conduit is a pressurized pipeline consisting of 60-inch-diameter and 42-inch diameter pipeline. The Hollister Conduit has a design capacity of 83 cubic feet per second and extends approximately 19.5 miles from the bifurcation with the Santa Clara Conduit to the terminus at San Justo Reservoir. San Justo Reservoir is located south of Hollister and has a storage capacity of 10,300 AF, which is used to store imported water deliveries until they are needed. Typically, the agricultural demand is highest during the warmer months, while deliveries occur throughout the year. Half of the storage capacity is allocated for agriculture, while the other half is for M&I supply. Due to the configuration of the outlet structure, approximately 2,000 AF of storage is dead storage. SBCWD estimates that water stored in San Justo Reservoir is subject to a loss rate of approximately 15 percent per year due to evaporation and seepage.

Imported water is delivered to agricultural, municipal, and industrial customers through 120 miles of pressurized laterals and is also released at controlled rates to local percolation basins for percolation and recharge of the groundwater basin.



SBCWD can divert up to 10 percent of the total CVP contract amount as carryover water and keep that stored in San Luis Reservoir for the following year. Carryover water held in San Luis Reservoir can be stored for only 1 year and is subject to evaporation losses. Further, that water has a lower priority for delivery during the following year. For this reason, if USBR is unable to make deliveries of its contract allocations in the following year, the carryover storage will not be available. In addition, if supplies exceed capacity, carryover water is the first to be "spilled."

4.2 Long-term Water Supply Need

The need for a reliable long-term water supply is driven by water quantity and water quality needs for the SBUA.

4.2.1 Water Quantity

As described in Section 3, water demands for the SBUA are projected to increase from an existing 5,560 AFY to approximately 12,500 AFY by 2045, resulting in an increase of 6,940 AFY over the planning period.

An evaluation of future water supply needs under various hydrologic conditions was completed as part of the 2020 UWMP. The results of that evaluation are summarized in Table 4-1, Table 4-2, and Table 4-3. The demand forecast presented in the following tables is similar in comparison to the updated projections presented in Section 3, with a normal-year 2040 demand of 10,857 AFY below versus an updated demand of 10,710 AFY in Section 3.

Table 4-1. Normal-year Supply and Demand (AFY)

Normal Year	2025	2030	2035	2040
Supply Total	6,968	8,149	9,484	10,857
CVP	5,388	5,388	5,388	5,388
Groundwater	1,480	2,661	3,996	5,369
Recycled Water	100	100	100	100
Demand Total	6,968	8,149	9,484	10,857
Difference	0	0	0	0
Required Conservation	0%	0%	0%	0%

AF - acre-feet per year, CVP - Central Valley Project

Source: 2020 Hollister Urban Area Urban Water Management Plan, Tables 4-3a, b, c; Tables 6-9a, b, c

Table 4-2. Single Dry-year Supply and Demand (AFY)

Single Dry Year	2025	2030	2035	2040
Supply Total	6,272	7,335	8,536	9,772
CVP	3,013	3,013	3,013	3,013
Groundwater	1,919	2,222	3,423	4,659
CVP Supplemental	1,240	2,000	2,000	2,000
Recycled Water	100	100	100	100
Demand Total	6,272	7,335	8,536	9,772
Difference :	0	. 0	0	0
Required Conservation	0%	0%	0%	0%

AF - acre-feet per year, CVP - Central Valley Project

Source: 2020 Hollister Urban Area Urban Water Management Plan, Table 7-3



Table 4-3. Multiple Dry Years Supply and Demand (AFY)

Multiple Dry Year 1	2025	2030	2035	2040
Supply Total	6,271	7,334	8,535	9,771
CVP	4,126	4,126	4,126	4,126
Groundwater	1,919	1,919	2,059	3,295
CVP Supplemental	126	1,189	2,250	2,250
Recycled Water	100	100	100	100
Demand Total	6,271	7,334	8,535	9,771
Difference	- 0	0	0	0
Required Conservation	0%	0%	0%	0%
Multiple Dry Year 2	2025	2030	2035	2040
Supply Total	6,272	7,335	8,536	9,772
CVP	3,904	3,904	3,904	3,904
Groundwater	1,919	1,919	2,282	3,518
CVP Supplemental	349	1,412	2,250	2,250
Recycled Water	100	100	100	100
Demand Total	6,272	7,335	8,536	9,772
Difference	0	0	0	0
Required Conservation	0%	0%	0%	0%
Multiple Dry Year 3	2025	2030	2035	2040
	2025 6,272	2030 7,335	2035 8,536	2040 9,772
Multiple Dry Year 3 Supply Total CVP		4.0		9,772 3,013
Multiple Dry Year 3 Supply Total CVP Groundwater	6,272 3,013 1,919	7,335 3,013 2,222	8,536 3,013 3,423	9,772 3,013 4,659
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental	6,272 3,013	7,335 3,013	8,536 3,013 3,423 2,000	9,772 3,013 4,659 2,000
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water	6,272 3,013 1,919 1,240 100	7,335 3,013 2,222 2,000 100	8,536 3,013 3,423 2,000 100	9,772 3,013 4,659 2,000 100
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total	6,272 3,013 1,919 1,240 100 6,272	7,335 3,013 2,222 2,000 100 7,335	8,536 3,013 3,423 2,000 100 8,536	9,772 3,013 4,659 2,000 100 9,772
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference	6,272 3,013 1,919 1,240 100 6,272	7,335 3,013 2,222 2,000 100 7,335 0	8,536 3,013 3,423 2,000 100 8,536 0	9,772 3,013 4,659 2,000 100 9,772 0
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total	6,272 3,013 1,919 1,240 100 6,272	7,335 3,013 2,222 2,000 100 7,335	8,536 3,013 3,423 2,000 100 8,536	9,772 3,013 4,659 2,000 100 9,772
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total CVP	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272 3,013	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335 3,013	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536 3,013	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772 3,013
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total CVP Groundwater	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272 3,013 1,919	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335 3,013 1,972	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536 3,013 3,173	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772 3,013 4,409
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total CVP Groundwater CVP Supplemental	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272 3,013 1,919 1,240	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335 3,013 1,972 2,250	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536 3,013 3,173 2,250	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772 3,013 4,409 2,250
Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total CVP Groundwater CVP Supplemental Recycled Water	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272 3,013 1,919 1,240 100	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335 3,013 1,972 2,250 100	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536 3,013 3,173 2,250 100	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772 3,013 4,409 2,250 100
Multiple Dry Year 3 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272 3,013 1,919 1,240 100 6,272	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335 3,013 1,972 2,250 100 7,335	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536 3,013 3,173 2,250 100 8,536	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772 3,013 4,409 2,250 100 9,772
Supply Total CVP Groundwater CVP Supplemental Recycled Water Demand Total Difference Required Conservation Multiple Dry Year 4 Supply Total CVP Groundwater CVP Supplemental Recycled Water	6,272 3,013 1,919 1,240 100 6,272 0 0% 2025 6,272 3,013 1,919 1,240 100	7,335 3,013 2,222 2,000 100 7,335 0 0% 2030 7,335 3,013 1,972 2,250 100	8,536 3,013 3,423 2,000 100 8,536 0 0% 2035 8,536 3,013 3,173 2,250 100	9,772 3,013 4,659 2,000 100 9,772 0 0% 2040 9,772 3,013 4,409 2,250 100



Multiple Dry Year 5	2025	2030	2035	2040
Supply Total	6,272	7,335	8,536	9,772
CVP	3,013	3,013	3,013	3,013
Groundwater	1,919	1,972	3,173	4,409
CVP Supplemental	1,240	2,250	2,250	2,250
Recycled Water	100	100	100	100
Demand Total	6,272	7,335	8,536	9,772
Difference	0	0	0	0
Required Conservation	0%	0%	0%	0%

AF - acre-feet per year, CVP - Central Valley Project

Source: 2020 Hollister Urban Area Urban Water Management Plan, Table 7-4

As shown in the results of the 2020 UWMP, as time progresses, there will be a greater reliance on local groundwater and supplemental CVP water (e.g., carryover water in San Justo Reservoir, Semitropic Water Bank, conversion of agricultural water, spot market purchases, etc.), particularly during dry-year and multi-dry-year conditions. However, the local groundwater has high TDS and high hardness, so relying on this source of supply would require additional treatment (e.g., softening or demineralization) to achieve the water quality goals of the MOU.

The UWMP analysis used CalSim II simulations to forecast the future CVP allocations, considering the effects of climate change. The result is that future *average* allocations are estimated to be 82 percent of the contract amount of 8,250 AFY, or approximately 6,765 AFY. SBCWD has agreements with other M&I users for approximately 700 AFY, and there is a loss factor of 10 percent. As a result, the future average year allocation available for the SBUA is estimated to be approximately 5,400 AFY.

To understand the available CVP supply during a dry year, the 2020 UWMP used 2014 as the baseline year. The CVP allocation in 2014 was 25 percent of the M&I contract value, or 2,062 AFY. The baseline in the 2020 UWMP was revised upward, to 50 percent, based on USBR's Shortage Policy, which recognized that the CVP M&I water is needed to meet PHS needs. However, in March 2022, after another very dry winter in the Sierra Nevadas (the watershed that feeds the CVP system), USBR set the initial M&I allocation at only 35 percent of M&I contract value and later reduced that to zero percent on April 4, 2022. SBCWD was able to provide documentation to USBR to comply with the USBR M&I Shortage Policy in order to receive unmet PHS need and obtained some M&I water; however, the reliability of that supply will always be uncertain in future severe droughts. As a result, the current reliability of the CVP supply is less than that which was presented in the 2020 UWMP for supply during a dry year.

4.2.2 Water Quality

As part of this Master Plan Update, previously established goals for drinking water were reviewed and evaluated relative to affordability, consumer benefits, and current technology.

As specified in Section 2.2.2 of the 2004 MOU, the goal for TDS was set at 500 mg/L and the goal for hardness was set at 120 mg/L. Subsequently, the 2014 MOU revised the hardness goal to 150 mg/L to be consistent with comparable utilities and industry standards.



The facilities completed since the 2008 Master Plan and described in Section 2 provide a significant improvement in drinking water quality.

The 2017 Master Plan Update investigated the need for additional high-quality source water to achieve the 150 mg/L hardness goal. It estimated the additional increment of high-quality water (i.e., low-hardness water, such as CVP supply) to be approximately 1,800 AFY by 2025 and approximately 3,880 AFY by 2035, based on the 2017 Master Plan Update's projected water demand. In this Master Plan Update, the agencies reconsidered the financial implications and recent customer feedback and decided to adjust the hardness goal to reflect a range of 150 to 180 mg/L (180 mg/L is the limit between moderately hard and hard water). This flexibility allows for variations in water quality throughout the distribution system and throughout the year, and it reduces the capacity requirements for surface water treatment.

Considering the growth in water demands and the continued need to further reduce drinking water hardness, the ratio of high-quality water to unsoftened groundwater will continue to increase. Based on current water quality data, approximately 81 percent of the demand must be met by high-quality water to achieve an average, system-wide hardness of 180 mg/L. Further, approximately 90 percent of the demand must be met by high-quality water to achieve an average, system-wide hardness of 150 mg/L. This is illustrated in Figure 4-1. As shown, the demand for high-quality water is projected to increase to approximately 6,400 to 7,120 AFY by 2030 and to approximately 10,120 to 11,250 AFY by 2045 based on achieving a hardness range of 180 to 150 mg/L, respectively.

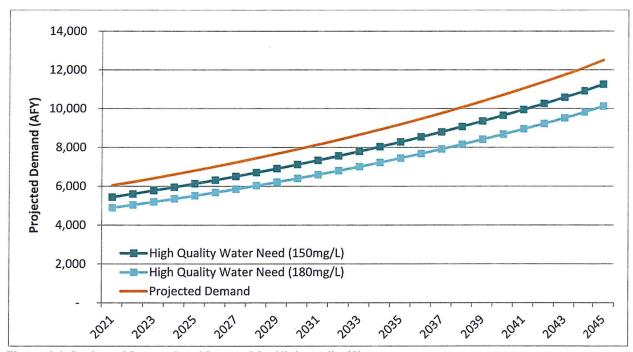


Figure 4-1. Projected Demand and Demand for High-quality Water

Table 2-1 in Section 2 shows that the average CVP allocation over the period between 2011 and 2020 was 5,420 AFY. As described in Section 4.2.1, the average CVP supply available for M&I customers in the SBUA is estimated to be 5,400 AFY. These values are consistent, and,



although 5,400 AFY is sufficient to meet the demand for high-quality water for existing customers, it is insufficient to meet demands into the future. Furthermore, the 3-year minimum average allocation between 2011 and 2020 was only 2,915 AFY (as shown in Table 2-1), revealing that the imported CVP supply is not sufficiently reliable to meet the demand for high-quality water for the existing customers during multi-year drought periods. Table 4-4 summarizes the projected demand, projected demand for high-quality water, and supply deficits.

	Current	2025	2030	2035	2040	2045
Total Demand (AFY)	5,560	6,810	7,900	9,190	10,710	12,500
High-quality Need (180 mg/L Hardness)	4,503	5,514	6,402	7,447	8,677	10,124
Deficit (180 mg/L Hardness) ¹	None	114	1,002	2,047	3,277	4,724
High-quality Need (150 mg/L Hardness)	5,436	6,129	7,116	8,278	9,645	11,254
Deficit (150 mg/L Hardness) ¹	36	729	1,716	2,878	4,245	5,854

AF – acre-feet per year, CVP – Central Valley Project, mg/L – milligrams per liter Notes:

The demand for high-quality water could be met by developing new surface water projects, developing new groundwater projects, adding softening or demineralization at municipal groundwater wells, or a combination of these options. These options are further analyzed in Section 4.3 and Section 4.4. In addition to these options, SSCWD plans to expand use of local wells for large landscape demands to encourage use of groundwater for irrigation demands, such as in schools, parks, roadsides etc., and potentially at residential units. If this initiative achieves significant implementation, the demand for high-quality surface water may be offset.

As previously described, both the City and SSCWD have wells that exceed DDW's potential hexavalent chromium MCL of 10 ppb. Both agencies rely on blending groundwater supply with treated high-quality water to meet this potential regulation, as detailed in the 2017 Master Plan Update. An 80 to 90 percent blending ratio is sufficient to meet the blending requirements to meet the potential hexavalent chromium MCL for both agencies.

4.2.3 Water Reliability

Section 2.2.1 of the 2004 MOU established reliability goals for the urban water supply as being capable of meeting 100 percent of the demands during wet, above-normal, normal, and dry years and during the first year of a critically dry period. Further, during the second and subsequent years of a multi-year drought, the water supplies (including surface and groundwater) must be capable of meeting 85 percent of the M&I demand.

As described in Section 4.2.2, to achieve the water quality goals, approximately 81 to 90 percent of the demand should be met with high-quality water (e.g., imported CVP water or similar). During this Master Plan Update, the agencies considered both the water quality goal and the original reliability goal described in the 2004 MOU, and weighed the tradeoffs of

^{1.} Deficits assume an average 5,400 AFY CVP allocation based on the 2020 UWMP.



reduced water quality versus mandatory conservation during the second and subsequent years of a multi-year drought. The result is an updated reliability goal, stated as follows:

- The urban water supply shall be capable of meeting 100 percent of the demands during all year types, including wet, above-normal, normal, and dry years and critically dry years.
- During wet, above-normal, normal, dry years and the first year of a critically dry period, the urban water supply shall be capable of meeting the water quality goals, meeting the demand with a blend of high-quality water and local groundwater. To achieve the water quality goals, the high-quality water will be approximately 81 to 90 percent of the total demand.
- In the second and subsequent years of a multi-year drought, the water quality goals will be relaxed. Under these conditions, the urban water supply shall be capable of meeting 85 percent of the demand for high-quality water (i.e., 85 percent of 81 percent of the total demand, or 69 percent), and the balance of the demand shall be met with local groundwater.

The result of this updated reliability goal is summarized in Table 4-5.

Table 4-5. Need for High-quality Water in Average and Drought Periods (AFY)

	Current	2025	2030	2035	2040	2045
Total Demand	5,560	6,810	7,900	9,190	10,710	12,500
Wet, Above-normal, No	rmal, Dry, and F	irst Year of Dry	/ Period			
High-quality Water ¹	4,503	5,514	6,402	7,447	8,677	10,124
Local Groundwater ²	1,056	1,296	1,498	1,743	2,033	2,376
Total Supply (100% of Demand)	5,560	6,810	7,900	9,190	10,710	12,500
Second and Subsequen	t Dry Years	100				
High-quality Water ^{1,3}	3,828	4,689	5,439	6,327	7,374	8,605
Local Groundwater ²	1,732	2,121	2,461	2,863	3,336	3,894
Total Supply (100% of Demand)	5,560	6,810	7,900	9,190	10,710	12,500

Notes:

- 1. High-quality supply is based on the upper hardness range of 180 mg/L, which requires that approximately 81% of the total demand be met with high-quality water (i.e., low-hardness water such as imported CVP water).
- Untreated local groundwater (i.e., no softening or demineralization).
- 3. High-quality supplies must be sufficient to meet 85% of the demand for high-quality water (85% of 81% of the total demand, or 69% of the demand).

The gap between the need for high-quality water and available CVP supply is illustrated in Figure 4-2 for both average conditions and a multi-year dry period (i.e., the second and subsequent years of a multi-year drought period). As previously described, the average CVP allocation is estimated to be approximately 5,420 AFY, which is sufficient to meet the need for high-quality water during an average year for existing customers. However, as described in Section 2.1.1.1, the average CVP allocation during a multi-year drought is estimated to be approximately 2,915 AFY, which is less than the existing need for high-quality water during a



multi-year drought (4,160 AFY). This results in a deficit of approximately 1,250 AFY for existing customers during a multi-year drought period. The deficit grows to approximately 5,690 AFY in 2045 for a multi-year drought period.

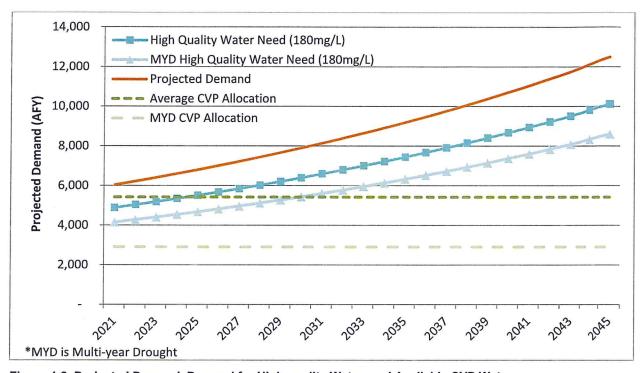


Figure 4-2. Projected Demand, Demand for High-quality Water, and Available CVP Water

4.2.4 Opportunity to Maximize Available CVP Water

As previously described, SBCWD's primary surface water source is through the CVP and its infrastructure. The CVP supply is subject to availability, which therefore imposes risks during drought conditions. The 2020 Annual Groundwater Report predicts a declining availability of CVP supply in the future due to climate and hydrological changes. This reduced availability requires SBCWD to expand its supply portfolio and to store and retain excess supply in times of surplus, so that it is not limited to only groundwater supply or spot market purchases during dry years.

Based on past analyses, there are approximately 6,000 AFY of excess CVP water (including both agricultural and M&I water) in about 25 percent of years. This is illustrated in Figure 4-3. Further, historical use of the agricultural CVP entitlement has not exceeded 24,000 AFY, even in years when the full contract amount of 35,550 AFY is available.

Section 4.3 and 4.4 describe alternatives that provide storage or supply expansion opportunities.



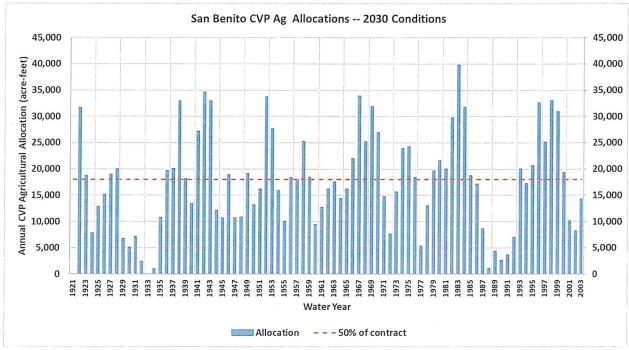


Figure 4-3. Excess CVP Allocations Source: Todd Groundwater, 2020

4.3 Surface Water

The following surface water storage options, including both imported and local supplies, were considered as part of this Master Plan update:

- Paicines Reservoir Expansion
- San Justo Reservoir Expansion
- New Hawkins Reservoir
- New Reservoir in Lone Tree Valley
- B.F. Sisk Dam Raise
- Pacheco Reservoir Expansion Project
- Semitropic Water Bank

The locations of these options are illustrated in Figure 4-4, and each is described in the following subsections. For planning purposes, a goal of 6,000 AF was established for the capacity of the new local reservoirs. This goal is consistent with the range of growth in projected water demand for high-quality water (5,000 to 6,000 AFY) and the estimated availability of unused CVP water during wet years (6,000 AF).

4.3.1 Paicines Reservoir Expansion

The Paicines Reservoir is an existing off-stream reservoir located between the San Benito River and Tres Pinos Creek approximately 5 miles south of Tres Pinos. It is owned by SBCWD and is filled by water diverted from the San Benito River, with some of the diversions consisting of natural runoff and some consisting of rediversion of water stored and released from Hernandez



Reservoir. The stored water is released for percolation to Tres Pinos Creek and the San Benito River to provide additional groundwater recharge during the dry season.

The existing reservoir has a maximum water surface elevation (WSE) of 695 feet and a berm height of 699 feet. There is approximately 2,870 AF of storage at the reservoir. Raising the dam by 15 feet would provide a new maximum WSE of approximately 710 feet and add an additional 2,600 AF of storage, for a total capacity of approximately 5,500 AF. The following major facilities and improvements would be required for the reservoir expansion:

- Reservoir improvements including increasing the height of the earthen embankment dam with an assumed 4:1 (H:V) upstream slope and 3:1 (H:V) downstream slope. The existing dam would need to be excavated to the foundation and the new dam built in its place.
- Improvements to intakes and outlets, and improvements to dam access.
- Minor repair of existing seepage issues.
- A new pipeline and pump station from the Hollister Conduit. The pipeline would connect the reservoir to Subsystem 9 of the Hollister Conduit. The pump station and pipeline would be sized to transfer available excess CVP water during the winter months.

Since the reservoir's WSE would increase, the existing gravity-fed inlet canal could not supply water, and a new pump station would also be required.

4.3.2 San Justo Reservoir Expansion

San Justo Reservoir is the terminal reservoir for the Hollister Conduit and stores imported CVP water for M&I and agricultural use. The reservoir, which has 10,300 AF of existing storage for municipal and agricultural use, is owned by USBR and is operated and maintained by SBCWD.

The current maximum WSE of 504 feet could be raised by 20 feet, adding an additional 3,400 AF of storage at the reservoir. Since the reservoir is directly supplied by the Hollister Conduit, no additional pipeline and pump station are required to increase storage capacity. However, the reservoir has ongoing seepage issues, previously estimated to be approximately 3,000 AFY. Significant improvements in the form of cutoff walls or a similar method would be required to prevent seepage.

The following improvements would be required to expand the reservoir's capacity:

- Reservoir improvements including increasing the height of the earthen embankment dam with an assumed 4:1 (H:V) upstream slope and 3:1 (H:V) downstream slope.
- Improvements to intakes and outlets, and improvements to dam access.
- Major repair to prevent seepage using cutoff walls or similar methods.

4.3.3 New Hawkins Reservoir

Hawkins Reservoir is owned by the San Benito Cattle Company and is located northeast of Hollister, approximately 4 miles east of the Hollister Conduit. The reservoir has an existing capacity of 575 AF and a maximum WSE of 660 feet. Because the reservoir is located in a



steep drainage area, approximately 6,000 AF of additional storage can be obtained by constructing a new dam and raising the reservoir's elevation by 80 feet to an elevation of 740 feet, for a new storage capacity of 6,600 AF. However, due to the increase in storage capacity, the entire dam would need to be demolished and reconstructed. The following facilities and improvements would be required to expand the reservoir's capacity:

- New 80-foot-high, 1,200-foot-long and 25-foot-wide dam with an assumed 4:1 (H:V) upstream slope and 3:1 (H:V) downstream slope.
- New inlet, outlet, and spillway facilities.
- Improvements to the existing access road to the dam.
- Significant care and measures to divert water from the drainage area during construction.
- New pipeline and pump station from the Hollister Conduit. The new pipeline would be connected north of the bifurcation structure to avoid introducing zebra mussels into the reservoir. The pump station and pipeline would be sized to transfer available excess CVP water during the winter months.

4.3.4 New Reservoir in Lone Tree Valley

Previous USBR studies evaluated the potential for a new reservoir on Lone Tree Creek. Several locations were considered based on design considerations to maximize storage available in a minimum footprint near the Hollister Conduit. Due to the presence of several narrow valleys near the Hollister Conduit east of Fairview Road, this area was evaluated for a new reservoir. The location shown in Figure 4-4 was chosen based on its ability to meet the siting design considerations. The following facilities and improvements would be required for a new 6,000 AF–capacity facility:

- New 200-foot-high (new WSE would be 1,235 feet), 1,800-foot-long and 25-foot-wide dam with an assumed 4:1 (H:V) upstream slope and 3:1 (H:V) downstream slope.
- New inlet, outlet, and spillway facilities.
- Improvements to the existing access road to the dam.
- Significant care and measures to divert water from the drainage area during construction.
- New pipeline and pump station from the Hollister Conduit. The pump station and pipeline would be sized to transfer available excess CVP water during the winter months.

4.3.5 B.F. Sisk Dam Raise

B.F. Sisk Dam is a 382-foot-high, zoned, compacted earth fill embankment dam. The dam is over 3.5 miles long and impounds San Luis Reservoir, which has a total capacity of more than 2 million AF. B.F. Sisk Dam is owned by USBR and operated by DWR. The reservoir's storage space is allotted 55 percent for the State and 45 percent federal.

USBR and DWR jointly planned the B.F. Sisk Safety of Dams Modification Project to reduce seismic risks. The Crest Raise alternative was selected as the preferred alternative to provide



seismic safety. A secondary project, which will raise the crest an additional 10-feet, will create an additional 130,000 AF of storage in San Luis Reservoir. The project is expected to be completed in 2031.

As an existing CVP contract holder with diversion from San Luis Reservoir, SBCWD will have the option to participate in the B.F. Sisk Dam Raise project. USBR is currently reviewing the participants and their desired shared of storage.

4.3.6 Pacheco Reservoir Expansion Project

Pacheco Reservoir, constructed in 1938, is owned and operated by PPWD. PPWD releases water from the reservoir to Pacheco Creek during the dry season to increase groundwater recharge in the Pacheco subbasin. The existing reservoir has an operational capacity of 5,500 AF.

SBCWD has been collaborating with Valley Water to identify potential opportunities to improve the facilities at Pacheco Reservoir and optimize the use of available storage for groundwater recharge primarily in San Benito County. The proposed expansion project includes constructing a new dam and reservoir, pump station, conveyance facilities, and miscellaneous infrastructure improvements. The proposed reservoir would have a total storage capacity of 140,000 AF. Approximately 40,000 AF would be allocated to enhance fish flow in Pacheco Creek and replace existing PPWD storage. Therefore, the net operational storage would be approximately 100,000 AF. The Draft EIR was released in November 2021 for public review.

SBCWD and PPWD are partners with Valley Water in the development of the PREP. SBCWD has an option to participate in the project at levels ranging from 2.5 percent up to 10 percent. Since the inception of the project, the estimated costs have increased from approximately \$1.1 billion to \$2.5 billion, raising concerns about economic feasibility. As a result, SBCWD is evaluating whether alternative participation strategies might be more appropriate, including, for example, conditional lease arrangements or short-term water transfers.

4.3.7 Semitropic Water Bank

As previously described in Section 2, SBCWD entered into a contract with Valley Water to store water in the Semitropic Water Bank. This agreement allows SBCWD to store up to 5,000 AFY in the Semitropic Water Bank. However, because the stored water originates from existing CVP contract supplies, this is not a net increase in overall supply. It is also important to note that water must be available in San Luis Reservoir in order to exercise this storage because the actual water for diversion would be from San Luis Reservoir. During severe drought years, such as 2014, diversions were not available. This agreement was subject to renewal in 2021.



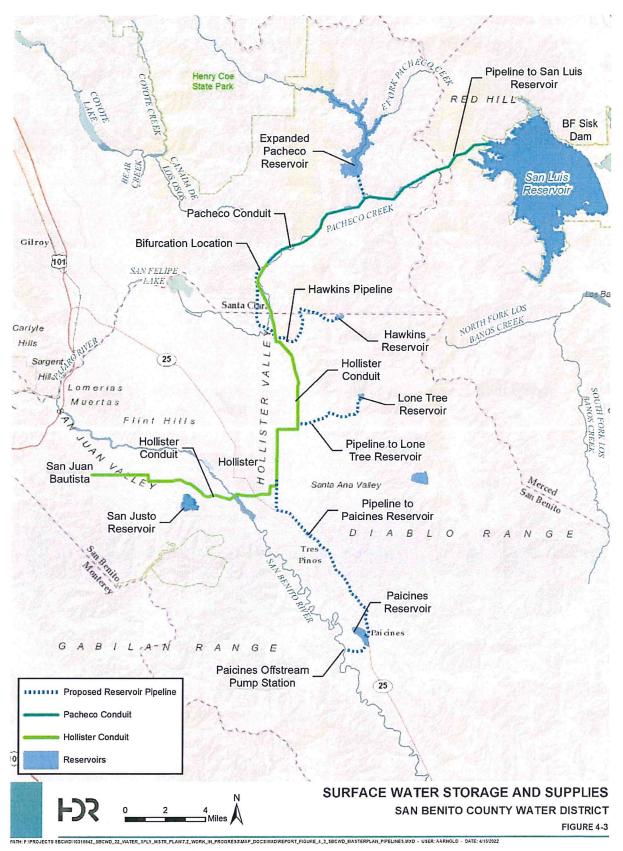


Figure 4-4. Locations of Potential Surface Water Storages and Supplies



4.4 Groundwater

Groundwater is a major source of supply for both M&I and agricultural users in San Benito County. Potential long-term water supply options using groundwater include improving water quality through treatment, developing new well fields, managed aquifer recharge, and potable reuse.

4.4.1 North Area Groundwater

The North Area groundwater consists of the Pacheco, the eastern portion of the Bolsa, and the northern portions of the Hollister East groundwater subbasins as defined by SBCWD. Groundwater in this area originates from several different sources including percolation from local surface water in Pacheco Creek, Arroyo de las Viboras, and Arroyo Dos Picachos.

The source of water influences the quality of the groundwater, specifically the TDS concentration. Water originating from the south has TDS concentrations ranging from approximately 500 to 1,000 mg/L, whereas lower-TDS water (less than 500 mg/L) originates in the northern area of the basin near Pacheco Creek and near Arroyo de las Viboras to the east. There is also an area of historically high groundwater in the Bolsa subbasin. Previous studies have evaluated additional pumping in this area to alleviate the high groundwater conditions and potentially enhance recharge of higher-quality water into the North Area subbasins.

As an extension of the 2009 Coordinated Plan, an update to the groundwater model and evaluation of preliminary project configuration was completed for the North Area groundwater. The preliminary project configuration was based on pumping from seven North Area wells, as shown in Figure 4-5. The purpose of the modeling analysis was to determine the approximate sustainable yield of the low-TDS groundwater zone and identify a set of hypothetical well locations and pumping rates that would efficiently withdraw that yield. Based on these preliminary studies, a yield of up to 5,000 AFY during normal and wet years and 2,000 AFY during droughts appears feasible.

The project would consist of wells located adjacent to the Hollister Conduit to supply up to 2,000 AF of supply that would be pumped into the Hollister Conduit. The groundwater would be blended with CVP water in the Hollister Conduit to achieve water quality goals. The project would require treatment at a surface WTP, pipelines from the wells to the Hollister Conduit, and one or more booster pump stations. A phased approach could be implemented, with the first phase consisting of the four easterly wells closest to the Hollister Conduit.



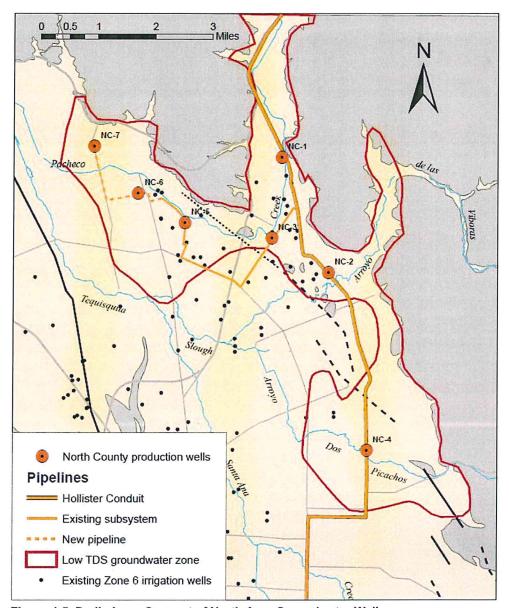


Figure 4-5. Preliminary Concept of North Area Groundwater Well

4.4.2 Local Wells Treated for M&I Use

With this option, groundwater from municipal wells would be demineralized or softened to reduce TDS and hardness and to provide other treatment goals. Individual wellhead treatment is a viable concept for the demineralization option. Softening groundwater could also be used as a treatment process instead of demineralization; however, it does not have the same treatment capability with respect to reducing TDS and hexavalent chromium. The treated groundwater would be blended with the existing CVP and remaining groundwater supplies in the distribution system. The demineralization facilities would have a design capacity of 6,000 AFY and would produce an annual average supply of approximately 3,000 AFY.

Operation and maintenance (O&M) costs are high for this alternative due to intensive energy costs and equipment replacement. Brine disposal is also costly for both capital and O&M costs.

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4.4.3 Expanded Percolation

Source water for percolation consists of excess CVP water, treated wastewater effluent, and local surface water, as described in Section 2. None of the sources can be easily expanded to be significantly impactful to improve groundwater basin health. Aside from the limitation due to Dreissenid (zebra) mussels, percolation with CVP water might be limited in both frequency and quantity due to the rising need of CVP water to meet future demands and water quality goals. Increasing water demand will result in increasing wastewater flows; however, the amount of wastewater effluent available for percolation might not be significant and would compete with the demand for recycled water. Lastly, percolation water released from Hernandez and Paicines reservoirs depends hydrological conditions and is limited to the size of the reservoirs.

Groundwater recharge in the North Area is also heavily influenced by the activities of PPWD. PPWD includes areas in both Santa Clara County and northern San Benito County. Water released from Pacheco Reservoir is percolated into the groundwater in the North Area. A smaller, approximately 50 AF reservoir owned by PPWD is located on Arroyo de las Viboras.

Numerous studies and reports have been completed regarding the groundwater in the North County. As an extension of the 2009 Coordinated Plan, additional work was completed on preliminary facilities planning for the North County groundwater. This work included updating the groundwater model and evaluating a preliminary project configuration. The updated groundwater model was then used to simulate the operations of the proposed facilities.

The preliminary project configuration was based on pumping from seven North County wells, as shown on Figure 4-5. The locations and pumping rates for the wells were selected for this analysis on the basis of preliminary simulations. The purpose of the modeling analysis was to determine the approximate sustainable yield of the low-TDS groundwater zone.

4.4.4 Indirect Potable Reuse (IPR)

IPR uses an environmental buffer, such as a lake, river, or a groundwater aquifer, to treat and store treated wastewater effluent for future drinking water. Retrieved water must be treated at a drinking water treatment plant prior to distribution. An IPR project for the SBUA would rely on groundwater storage. Facilities required to implement IPR would consist of:

- New pure water treatment facility
- Pipelines from and to injection wells
- Injection/production wells
- Water treatment for extracted water
- Pipeline to the distribution system

Due to the extreme drought conditions in recent years, many agencies around the State are exploring options for indirect potable reuse. Given that the effluent from the City's WRF is either percolated to the groundwater basin or reused for agricultural irrigation, potable reuse might not be a cost-effective water supply solution for the SBUA and, similar to enhanced percolation, might be in competition with the demand for recycled water. Similarly, the effluent from the Ridgemark Wastewater Treatment Plant is also percolated to the groundwater basin.



4.4.5 Aquifer Storage and Recovery (ASR)

ASR is the direct injection of surface water in an aquifer using injection wells for later recovery and use utilizing the same well. The design of the ASR system would be based on using up to 6,000 AF of excess CVP water during a wet year to be stored in the aquifer and recovering up to 6,000 AF during dry years. A portion of the water available can also be used to directly supply potable water to the northern portion of the HUA distribution system to meet average day demands in the area and improve water quality during a wet year.

As shown in the conceptual layout in Figure 4-6, the facilities required for the ASR alternative include pipelines to divert water from the Hollister Conduit, eleven injection wells located over an area northeast of the Hollister Municipal Airport, a WTP with clearwell to treat water before injection and after recovery from the ground, pipelines to convey water from the WTP to the injection wells, and pipelines to send treated water to the distribution system.

An ASR Feasibility Study was completed in late 2021 which concluded that a pilot project is needed to confirm feasibility and establish operational parameters. During the pilot phase (Phase 1), potable water from the distribution system would be used for groundwater injection and later extracted. If the project is confirmed feasible, it could be constructed in phases, with Phase 2 estimated to produce 1,000 AFY of recovered water, and Phase 3 adding another 1,190 AFY recovery water during dry years.

4.5 Potential Future Regulations

This section discusses emerging drinking water regulations that SBCWD should consider when carrying out facility planning. These potential rules and regulations should be revisited in future Master Plan updates.

Water Quality. EPA publishes a Contaminant Candidate List (CCL) every 5 years. The CCLs list contaminants that are currently not subject to national primary drinking water regulations but are known or anticipated to be present in public water systems. From the CCLs, selected contaminants are monitored to track occurrences in water systems by the Unregulated Contaminants Monitoring Rule. In California, DDW collects and reviews the monitoring data. When deemed necessary, DDW would request a hazard assessment from the California Office of Environmental Health Hazard Assessment (OEHHA). OEHHA sets limits such as the Public Health Goals and recommendations of Notification Levels (NLs). These limits are then reviewed and implemented by the State Board.



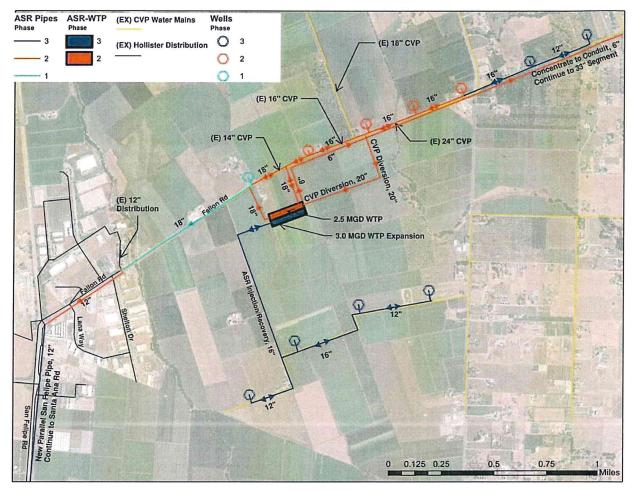


Figure 4-6. Conceptual ASR Phasing and Facility Layout

Potential constituents that may require treatment upgrade or further monitoring:

Hexavalent Chromium. Since the reversion of the hexavalent chromium MCL in 2017, the State Board has progressed in reissuing the MCL of 10 ppb. In March 2022, the State Board issued the notice of public workshop and comment opportunity of the hexavalent chromium MCL Administrative Draft. Two workshops were held in early April 2022. Both the City and SSCWD had developed compliance plans to address the 10 ppb MCL prior to the DDW reversal in 2017, as detailed in the 2017 Master Plan Update.

- Cyanotoxins. In response to increasing reports of harmful algal blooms in California's water system, OEHHA issued short-term NLs for four cyanotoxins:
 - Anatoxin-a: 4 ppb
 - Saxitoxins: short-term 0.6 ppb
 - Microcystins: short-term 0.03 ppb
 - Cylindrospermopsin: short-term 0.3 ppb



- Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS). Through various revisions, in February 2020, the State Board updated the NLs for PFOA and PFOS to be 10 parts per trillion (ppt) and 40 ppt, respectively. OEHHA continues to research and update the Public Health Goals for PFOA and PFOS.
- Perfluorobutane Sulfonic Acid (PFBS). In March 2021, DDW issued the drinking water NL of PFBS to be 0.5 ppb.
- Other PFAS Chemicals. PFOA and PFOS are the most well-known PFAS chemicals. There are other PFAS chemicals for which DDW has requested OEHHA's NL recommendations:
 - ➤ perfluorohexane sulfonic acid (PFHxS) In March 2022, OEHHA published the NL recommendation for PFHxS to be 2 ppt.
 - perfluorobutane sulfonic acid (PFBS)
 - perfluorohexanoic acid (PFHxA)
 - perfluoroheptanoic acid (PFHpA)
 - perfluorononanoic acid (PFNA)
 - > perfluorodecanoic acid (PFDA)
 - 4,8-dioxia-3H-perflourononanoic acid (ADONA)

Infrastructure. The Lead and Copper Rule aims to remove 100 percent of lead service lines, prioritizing communities that are disproportionately affected by lead contamination. The latest revisions require water systems to report the lead service line inventories by October 2024.

Recycled water quality is also directly linked to drinking water quality improvements in TDS.

4.6 Screening Criteria

Screening criteria were developed to prioritize the long-term water supply options. The criteria are described below.

- Increases Use of Existing CVP Allocations. Limited surface water storage capability, limited percolation facilities, and operational constraints from the presence of zebra mussels limit the ability to fully utilize CVP allocations available during wet years. Options will be evaluated based on their ability to maximize the beneficial use or storage of an additional 6,000 AF of CVP allocations available during wet years. Alternative supplies will be considered if they provide an equivalent quantity of water in a cost-effective manner.
- Increases Dry-year Water Supply Reliability. This criterion is defined as contributing to a diverse portfolio of water supply sources with the ability to provide sustained yield during extended dry periods. Projects that provide new water supply and/or have the potential to provide carryover storage from wet years would meet this criterion.



- Maximizes Local Control and Resources. This criterion evaluates options based on whether the MOU partners have local control of water supplies and the ability to implement projects locally.
- Minimizes Implementation Risk. This criterion is defined as minimizing implementation risks due to environmental impacts, permitting, and/or community opposition. This criterion includes the potential for phased implementation to increase flexibility and affordability.
- Minimizes Cost. Both capital and O&M costs were developed for each of the alternatives. Costs were combined with estimates of capacity and yield to provide a comprehensive evaluation. The primary metric is the annualized cost per AF of yield. The yield metric is the best economic measure since it best reflects the value of water generated by an alternative. A secondary metric is the present-value cost per AF of capacity. The capacity metric represents how much water could be physically supplied but does not account for water supply availability, especially during dry years.

It is assumed that each option will include required treatment facilities, blending, or other measures to meet drinking water quality goals.

4.7 Summary Comparison of Alternatives

The screening criteria described in Section 4.6 were applied to long-term water supply options to establish priorities for future implementation. Several workshops were held from October through December 2021 with the agencies to complete the analysis and evaluate the results. Table 4-6 summarizes the results of the screening process, and Table 4-8 summarizes the prioritization of long-term water supply options.

The total screening scores in Table 4-6 were established by scoring each alternative against each screening criterion. The score ranges from 1 to 3, with 3 being the best fit under a specific criterion. Alternatives with a total score of 10 or more were carried forward for further analysis, specifically for capital cost and yield cost. The capital cost and yield cost comparisons are tabulated in Table 4-7. The results of further evaluation are summarized in Table 4-8.

Priorities were given to projects to establish the relative amount of resources and timing to be applied to the long-term water supply options. Priority levels might be adjusted going forward based on the availability of additional data and analyses, changes in technology, affordability, or other factors determined by the agencies.



Table 4-6. Screening of Long-term Water Supply Options

		Screenii	Screening Criteria			
Options	Increases Use of Existing CVP Allocations	Increases Dry-year Water Supply Reliability	Maximizes Local Control and Resources	Minimizes Implementatio n Risks	Screening Score	Comments
Surface Water						
Expand Paicines Reservoir	3	3	က	-	2	Significant permitting/environmental issues
Expand San Justo Reservoir	ဧ	က	က		10	Significant permitting/environmental issues, seepage
New Hawkins Reservoir	3	ဧ	ო	_	10	Permitting/environmental issues, need of land acquisition
New Reservoir in Lone Tree	3	င	ო	_	10	Permitting/environmental issues, need of land acquisition
B.F. Sisk Dam Raise	3	3	-	2	თ	Strong agency support/contract in good shape for access to supply
Pacheco Reservoir Expansion	3	3	-	2	თ	High cost
Semitropic Water Bank	-	-	-	2	rc	Dry-year retrieval concerns, 10% loss allowable by contract
Groundwater						
North Area Groundwater	*	2	က	3	6	Less water available during dry years
Local Wells Treated for M&I Use	1	2	က	2	ω	Significant costs, permitting issues, need of reject disposal, no new water during dry years
Expanded Percolation	ന		3	T-	ω .	Permitting/environmental issues, need of land acquisition, evaporative losses
Indirect Potable Reuse	_	•	3	1	9	Permitting/environmental issues, challenging to gather public support, no new water during dry years
Aquifer Storage and Recharge	က	2	3	2	10	Permitting/environmental issues
CVP - Central Valley Project M&I - municipal & industrial	M&I - minicir	industri	7			

CVP - Central Valley Project, M&I - municipal & industrial

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Table 4-7. Comparison of Capital Costs and Yield Costs Among Alternatives above Screening Score of 10

		Capital Cost	l Costi				Yield Cost ¹	Cost		
Options	Capital Cost (\$M)	Capacity (AF)	Capital Cost (\$/AF)	Relative Score ³	Annual Capital Cost (\$1,000s)	Annual O&M Cost (\$1,000s)	Total Annual Cost (\$1,000s)	Estimated Annual Yield² (AFY)	Yield Cost (\$/AFY)	Relative Score ³
Surface Water										
Expand Paicines Reservoir	\$92	5,400	\$17,100	2	\$5,000	\$1,753	\$6,755	1,620	\$4,170	2
Expand San Justo Reservoir	\$137	3,400	\$40,300	***	\$7,450	\$1,788	\$9,273	1,020	090'6\$	-
New Hawkins Reservoir	\$279	000'9	\$46,500	*	\$15,170	\$2,282	\$17,452	1,800	\$9,700	_
New Reservoir in Lone Tree	\$324	000'9	\$54,000		\$17,616	\$2,367	\$19,983	1,800	\$11,200	_
B.F. Sisk Dam Raise	\$50	5,000	\$10,000	3	\$2,710	\$1,892	\$4,611	1,500	\$2,640	3
Pacheco Reservoir Expansion	\$137	000'9	\$22,900	2	\$7,438	\$1,063	\$8,501	720	\$11,900	_
Groundwater										
North Area Groundwater	\$25	2,000	\$12,200	3	\$1,326	\$1,999	\$3,325	1,400	\$2,380	3
Aquifer Storage and Recharge	\$86	6,000	\$12,900	3	\$4,698	\$2,547	\$7,248	2,190	\$3,110	3
A A										

\$M - millions of dollars, AF - acre-feet, AFY - acre-feet per year, CCI - Construction Cost Index, ENR - Engineering News-Record, O&M - operation and maintenance

. Costs are referenced to the ENR, San Francisco Bay Area CCI Index for February 2021, at 13,110.

To provide a uniform basis for comparative evaluation of alternatives, assumptions were used based on the estimated frequency of hydrologic year types in CalSim modeling. Average annual yield is based on the weighted average during wet, normal, and dry years. Wet years were assumed to have a frequency of 30%, and normal and dry years a 35% frequency.

Relative scores were established based on the relative cost in comparison to other options. Those options with the lowest relative costs were assigned a 3, whereas the options with the highest costs were assigned a 1. က

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Table 4-8. Evaluation of Long-term Water Supply Alternatives

		ies and	les,	f land	ıf land	shape for				
Comments		Significant permitting/environmental issues and uncertainty about feasibility.	Significant permitting/environmental issues, seepage	Permitting/environmental issues, need of land acquisition	Permitting/environmental issues, need of land acquisition	Strong agency support/contract in good shape for access to supply	High cost		Less water available during dry years	Permitting/environmental issues
Priority		Future	Future	Future	Future	က	4		2	
Total Score		14	12	12	12	15	12		15	16
Yield Cost Score		2	-	-	_	က	-		8	3
Capital Cost Score		2	-	-	~	ဧ	2		င	3
Screening Score		10	10	10	10	တ	6		6	10
Options	Surface Water	Expand Paicines Reservoir	Expand San Justo Reservoir	New Hawkins Reservoir	New Reservoir in Lone Tree	B.F. Sisk Dam Raise	Pacheco Reservoir Expansion Project	Groundwater	North Area Groundwater	Aquifer Storage and Recharge

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Four projects were selected to be considered for future development. This range of projects is to ensure that the agencies have the flexibility to choose which projects to implement as conditions change. These four projects are prioritized based on key criteria such as cost, increase in supply, and local control. These projects should provide a framework for future facility expansions.

- Priority 1. The ASR alternative has the highest priority due to relative low capital and yield costs, its ability to flexibly use the excess CVP supply, and the option to implement it in phases.
- Priority 2. Similarly, the North Area Groundwater alternative has the second priority due to lower costs. Although this option does not increase the use of CVP supply, it increases the amount of water available and will solve the high groundwater issue in the project area.
- Priority 3. The B.F. Sisk Dam Raise project has strong federal support, and SBCWD is negotiating its level of participation (i.e., volume of storage and cost share). The costs are also comparable with the ASR and North Area Groundwater projects. However, the earliest completion date is estimated to be 2031.
- Priority 4. SBCWD intends to participate in the Pacheco Reservoir Expansion project to secure extra storage capacity, supplemental to the B.F. Sisk Dam Raise project, and to foster interagency collaboration with Valley Water to collaborate on future projects. The exact nature of SBCWD's participation in PREP should continue to be evaluated due to the high costs.

Some preliminary studies have been completed for several of these options (i.e., North County Groundwater and ASR). Additional studies will be required to evaluate feasibility, estimated costs, and potential timing of these long-term water supply options.

All of the long-term water supply options listed in Table 4-8 should be retained as a menu of alternatives to contribute to a diverse water supply portfolio. Due to the inherent uncertainties in California's water supply (drought, environmental constraints, regulations, etc.), it is prudent to maintain maximum flexibility in planning for long-term water supplies. A summary of the long-term water supply options is provided in Table 4-9.



Table 4-9. Summary of Storage and Supply Capacities of Long-term Water Supply Options

Description	Estimated Storage and Supply Capacity (AF)	Annual Yield Capacity (AFY)
Surface Water		
Expand Paicines Reservoir	5,400 ¹	1,620
Expand San Justo Reservoir	3,400	1,020
New Hawkins Reservoir	6,000	1,800
New Reservoir in Lone Tree Valley	6,000	1,800
B.F. Sisk Dam Raise	5,000	1,500
Pacheco Reservoir Expansion	6,000	720
Groundwater		
North Area Groundwater	2,000²	1,400
Aquifer Storage and Recharge	6,000	2,190

AF – acre-feet per year, CVP – Central Valley Project, TBD – to be determined

2. Combined Phase 1 and Phase 2 capacity.

^{1.} Based on the assumption that Paicines Reservoir would be repurposed for CVP water storage during wet years only.



5 Facilities Evaluation

One of the primary objectives of this Master Plan Update is to evaluate the need, timing, and estimated costs of additional water supply, storage, and treatment improvements. This evaluation will assist the agencies in planning and budgeting for capital improvements.

5.1 Evaluation Criteria

The following evaluation criteria were used to evaluate the need, timing, and estimated costs for infrastructure improvements.

5.1.1 Timing of Needs to Meet Water Demands

As described in Section 3 and summarized in Table 5-1, significant increases in water demands are projected through 2045. The increase in water demand requires additional infrastructure for water supply and treatment.

Table 5-1. Projected Water Demand and Production Requirements

Table of The Topolog Tracer Bolliana and Froudenich Requirements						
Demand Condition	Existing	2025	2030	2035	2040	2045
Total Demand an	d Water Product	ion Requiremer	its			
Demand (AFY)	5,560	6,810	7,900	9,190	10,710	12,500
ADD (mgd)	5.4	6.1	7.1	8.2	9.6	11.2
MMD (mgd)	8.1	9.1	10.6	12.3	14.3	16.7
MDD (mgd)	10.8	12.2	14.1	16.4	19.1	22.3
Demand for High- to Achieve 180 m		nd Surface Wate	r Treatment Prod	luction Requiren	nents	
Demand (AFY)	4,503	5,515	6,400	7,450	8,680	10,120
ADD (mgd)	4.4	4.9	5.7	6.6	7.7	9.0
MMD (mgd)	6.6	7.4	8.6	10.0	11.6	13.5
MDD (mgd)	8.7	9.8	11.4	13.3	15.5	18.1

ADD – average daily demand, AF – acre-feet per year, MDD – maximum daily demand, mg/L – milligrams per liter, mgd – million gallons per day, MMD – maximum month demand

5.1.2 Ability to Meet Water Quality Goals

In addition to the increases in water demands, water quality considerations are a key component of identifying the need for new facilities.

Significant improvements have been made in drinking water quality. However, additional high-quality water supplies and facilities will be needed to achieve the drinking water goals established by the agencies.

The demand for new, high-quality water, which is needed to achieve an average annual, system-wide average hardness of 150 to 180 mg/L was illustrated in Figure 4-1. The increase in demand over time is also summarized in Table 5-1 for average day, maximum month, and maximum day demands.



5.1.3 Cost Estimates and Economics

Preliminary cost estimates have been developed for the projects and alternatives identified during the development of this Master Plan Update. Capital cost estimates were prepared by applying unit costs, cost curves, and recent bid data to the estimated quantities or capacities for proposed improvement projects. Unless otherwise noted, allowances were added for contingency (30 percent) and for engineering, administration, and permitting (30 percent).

All preliminary cost estimates have been adjusted to 2021 dollars since many of the key projects were evaluated during 2021. The basis for the estimates is the Engineering News-Record (ENR) Construction Cost Index (CCI) for the San Francisco Bay Area for February 2021, which is 13,110. Estimates should be considered a Class 5 cost estimate, which has a high-end range of +50 percent and low-end range of -20 percent. Mid-range values have been used for alternatives analysis and screening purposes.

5.2 Water Supply

The evaluation of long-term water supply options was presented in Section 4. The results of the analysis and prioritization are summarized in Table 4-8.

To provide a reliable water supply for M&I use in the SBUA, a robust portfolio should be maintained. This portfolio of water supplies includes groundwater, imported surface water supplies, and local surface water supplies, as described in Section 4.

The phasing of the new water supply projects, and their estimated average annual yield, is shown in Figure 5-1. Similarly, Figure 5-2 illustrates the phasing of the new water supply projects and their estimated annual yield during a multi-year drought period.

Both the ASR and the B.F. Sisk Dam Raise projects are storage projects which will allow for greater flexibility in how annual CVP allocations are managed, particularly in years when the allocations exceed demand. These projects will also provide storage for other sources of imported water, such as that from spot market purchases and/or long-term transfer contracts. In these instances, water can be purchased during normal and wet years, when water might be more readily available, and at a marginally lower cost, and stored for future use during dry years when CVP allocations are curtailed, and other sources of imported water are less available. This operational strategy will greatly improve the reliability of high-quality water for the SBUA.

If Phase 1 of the ASR project reveals that ASR is not feasible, then Phase 1 of the North Area Groundwater Project should be accelerated, such that it would take the place of the ASR project. In that case, this Master Plan Update should be updated to evaluate the priority and sequence of future water supply projects beyond completion of the B.F. Sisk Dam Raise.

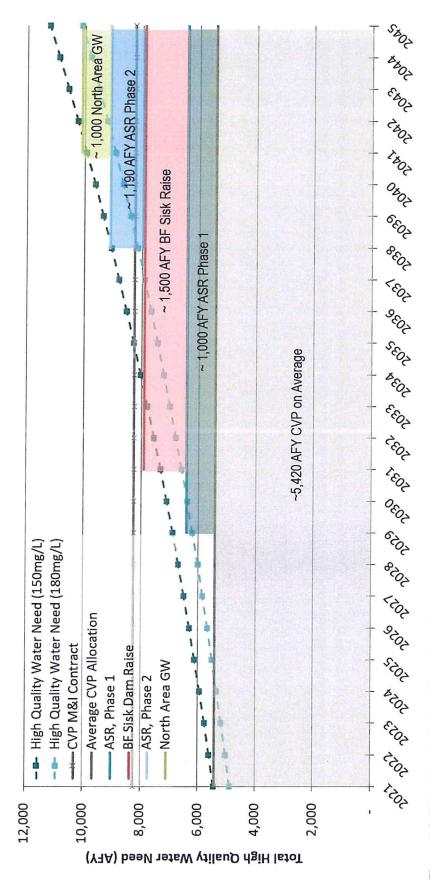


Figure 5-1. Water Supply Project Phasing and Average Annual Yield

available to be delivered to the treatment plants. That is because SBCWD allows for losses and has other commitments to small parcels, etc., for M&I deliveries. The average annual yield is an estimate based on the respective distribution of year types, assumed to be 30 percent wet Notes: The existing CVP contract entitlement is 8,250 AFY. However, even in years when allocations are 100 percent, the full amount is not year, 35 percent normal year, and 35 percent dry year. The M&I entitlement could be increased over time through conversion of agricultural water, which is allowed under the existing contract with USBR.

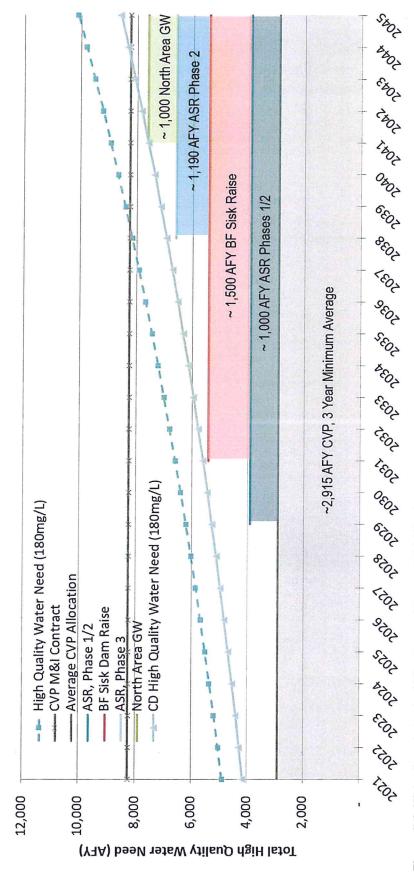


Figure 5-2. Water Supply Project Phasing and Annual Yield During a Multi-Year Drought

occurred between 2013 and 2015. During extended dry-year conditions, it might be necessary to relax the TDS and hardness goals. However, even during extended dry-year conditions, enough high-quality water supplies must be provided to meet the anticipated hexavalent chromium water in the second and subsequent years of a multi-year drought. Similar to average annual conditions, conversation of agricultural water to regulations. The CD (critically dry year) High-Quality Water Need above is based on a goal of meeting 85 percent of the need for high quality M&I supply could result in an increase of CVP water; however, storage is needed to provide reliability of supply during multi-year droughts. Notes: The available CVP allocation during a multi-year drought is estimated at 2,915 AFY based on the minimum 3-year average, which

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5.3 Water Treatment and Transmission

Treated surface water and groundwater are delivered to the SBUA through SBCWD surface water treatment facilities and municipal wells and distribution systems.

5.3.1 Current Water Treatment Capacity

The Lessalt WTP and West Hills WTP provide high-quality treated surface water to the SBUA. The combined maximum production capacity of the two plants is 6.5 mgd (2.0 mgd for Lessalt and 4.5 mgd for West Hills). The West Hills WTP is designed for expansion to an ultimate maximum capacity of 9.0 mgd.

A comparison of the projected potable water demands, and the existing water production facilities is presented in Table 5-2. As shown, the combination of existing groundwater wells and surface WTPs have adequate production capacity to meet current and projected potable water demands through 2035. However, this comparison does not include the additional high-quality water needed to achieve the system-wide hardness goals.

Table 5-2. Evaluation of Treated Water Production Capacity

	Year						
	Existing	2025	2030	2035	2040	2045	
Projected Demands (mgd)							
Average Day (ADD)	5.4	6.1	7.1	8.2	9.6	11.2	
Maximum Month Daily Average (MMD) ¹	8.1	9.1	10.6	12.3	14.3	16.7	
Maximum Day (MDD) ²	10.8	12.1	14.1	16.4	19.1	22.3	
Projected HQ Water Demands (mgd)		1900					
HQ ADD	4.0	4.9	5.7	6.6	7.7	9.0	
HQ MMD	6.6	7.4	8.6	10.0	11.6	13.5	
Production Facilities (mgd)							
Surface Water							
Lessalt WTP	2	2	2	2	2	2	
West Hills WTP	4.5	4.5	4.5	4.5	4.5	4.5	
Subtotal Surface Water	6.5	6.5	6.5	6.5	6.5	6.5	
City Groundwater Wells ³							
No. 2 Bundeson (1,425 gpm)	2.05	2.05	2.05	2.05	2.05	2.05	
No. 4 South (1,670 gpm)	2.40	2.40	2.40	2.40	2.40	2.40	
No. 5 Nash (1,825 gpm)	2.63	2.63	2.63	2.63	2.63	2.63	
No. 6 Airline (435 gpm) ⁴	0	0	0	0	0	0	
Subtotal City Wells	7.09	7.09	7.09	7.09	7.09	7.09	
SSCWD Groundwater Wells ⁵							
No. 2 Southside (1,095 gpm)	1.58	1.58	1.58	1.58	1.58	1.58	
No. 5 Ridgemark (900 gpm)	1.30	1.30	1.30	1.30	1.30	1.30	
No. 7 Enterprise (625 gpm) ⁶	0.90	0.90	0.90	0.90	0.90	0.90	
No. 8 Ridgemark (1,065 gpm)	1.53	1.53	1.53	1.53	1.53	1.53	
No. 11 Lico (1,200 gpm)	1.73	1.73	1.73	1.73	1.73	1.73	
Subtotal SSCWD Wells	7.03	7.03	7.03	7.03	7.03	7.03	



	Year						
	Existing	2025	2030	2035	2040	2045	
SJB Groundwater Wells ⁷							
Well 1 (175 gpm)	0.25	0.25	0.25	0.25	0.25	0.25	
Well 5 (425 gpm)	0.61	0.61	0.61	0.61	0.61	0.61	
Well 6 (450 gpm) ⁸	0	0	0	0	0	0	
Subtotal SJB Wells	0.86	0.86	0.86	0.86	0.86	0.86	
Subtotal Groundwater	14.98	14.98	14.98	14.98	14.98	14.198	
Total Production Facilities	21.48	21.48	21.48	21.48	21.48	21.48	
Total Production Firm Capacity ⁹	18.85	18.85	18.85	18.85	18.85	18.85	
ADD Surplus / (Deficit) ¹⁰	13.5	12.8	11.8	10.7	9.3	7.7	
MMD Surplus / (Deficit) ¹⁰	10.8	9.8	8.3	6.6	4.6	2.2	
MDD Surplus / (Deficit) ¹⁰	8.1	6.8	4.8	2.5	(0.3)	(3.5)	

City – City of Hollister, gpm – gallons per minute, MDD – maximum daily demand, mgd – million gallons per day, MMD – maximum month demand, No. – number, SSCWD – Sunnyslope County Water District, WTP – water treatment plant

Notes:

- 1. Maximum Month Daily Average = 1.5 × Average Day.
- 2. Maximum Day = 2.0 × Average Day.
- 3. All operating City wells are above the potential Chromium VI MCL. The compliance plan developed in 2017 planned for Well 2, 4 and 5 to blend with WHWTP treated water.
- 4. City Well No. 6 (0.61 mgd) is offline with no plans to rehabilitate.
- 5. SSCWD Well 7 is above the potential Chromium VI MCL level, and Well 8 has been historically above the MCL during drought years, but is currently under the MCL limit. The compliance plan developed in 2017 planned for blending at Well 7 and shutting down Well 8 when deemed necessary, as Well 8 does not have a feasible blending option.
- 6. SSCWD Well No. 7's design capacity is 760 gpm but throttled to 625 gpm for Chromium VI Compliance.
- 7. Source: 2020 City of San Juan Bautista Water Master Plan. SJB's past testings show that the city's groundwater supply is below the potential Chromium VI MCL.
- 8. SJB Well 6 is offline due to high nitrite levels.
- 9. Firm capacity assumes the largest well, City Well No. 4 (2.63 mgd) is out of service, and that water can be fed back from SSCWD's system to the City's system through existing interties.
- 10. Rounded.

As described in Section 4.2.2, drinking water quality goals are a major driver for future water system infrastructure improvements. Figure 4-1 illustrated the demand for additional high-quality water, and Table 5-2 summarized surface water treatment capacity needed to achieve total average day and maximum month demands.

In comparison to the existing maximum production capacity of the existing Lessalt and West Hills WTPs, there is a slight deficit under existing conditions during the maximum month condition. That deficit grows over the planning horizon. The production capacity of the existing plants is sufficient to meet average day high-quality demands through about 2035.

Recognizing that there is already a deficit of existing treatment capacity during the maximum month condition and that the average yield of the existing CVP supplies is insufficient to meet future demands, three water quality alternatives were considered. These near-term alternatives



consider expanding the treatment capacity to provide additional high-quality surface water to the distribution system to achieve the drinking water quality goals. These alternatives include a combination of treatment and water supply strategies that would be implemented in the near term until Phase 2 of the ASR project comes online in approximately 2029.

The three water quality alternatives are the following:

- 1. Alternative 1: Achieve Average Day and Maximum Month Water Quality Targets with a near-term expansion of the West Hills WTP to a capacity of 6.75 mgd and augment CVP supply with spot market purchases while pursuing implementation of the ASR Phase 2 project and the B.F. Sisk Dam Raise.
- 2. Alternative 2: Achieve Average Day Water Quality Targets (but not maximum month) with additional imported surface water (e.g., conversion of agricultural water, long-term transfers, or spot market purchases) used to maximize production at the existing West Hills WTP while pursuing implementation of the ASR Phase 2 project and the B.F. Sisk Dam Raise. This alternative does include expanding the West Hills WTP in the near term.
- 3. Alternative 3: Optimize Treatment of Existing CVP Water to achieve water quality targets in low-demand months. This alternative does not include expanding the West Hills WTP or spot market purchases in the near term. Water quality would continue to degrade during the summer months. Instead, this alternative would optimize treatment of existing CVP water while pursuing implementation of the ASR Phase 2 project and the B.F. Sisk Dam Raise.

Figure 5-3 illustrates the monthly ratio of surface water and groundwater in the system and the resulting average, system-wide hardness for each alternative. These values are based on the projected demand for 2029, which corresponds to the first year of operation of the ASR Phase 2 project (which would be the groundwater injection year).

Although each of the three alternatives is able to meet the total demand requirements, only Alternative 1 is able to meet the water quality hardness goal during the maximum month conditions in the near term. Alternative 2 would provide additional imported surface water via spot market purchases such that water quality could be improved throughout the year. Alternative 3 would substantially degrade water quality (i.e., hardness) during the summer months.

The evaluation of these alternatives is summarized in Table 5-3.



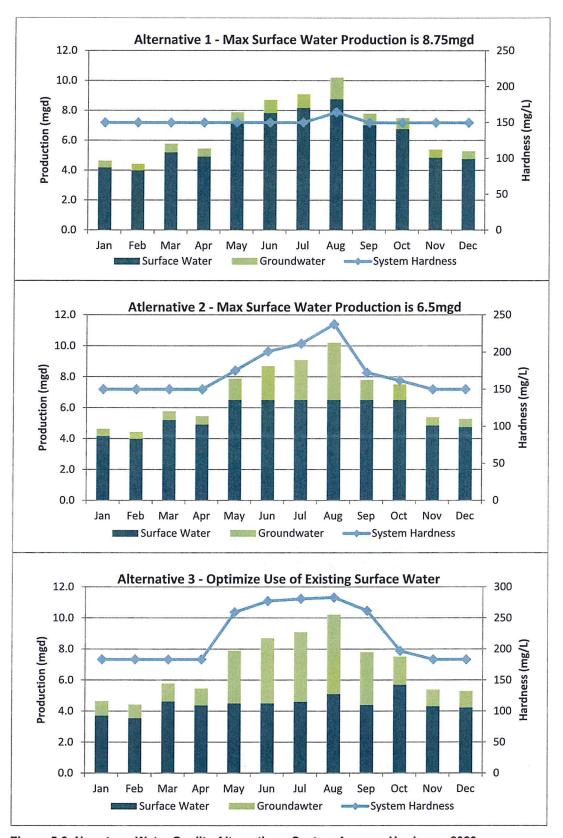


Figure 5-3. Near-term Water Quality Alternatives, System Average Hardness, 2029



Table 5-3. Evaluation of Near-term Water Quality Alternatives

	Alternative 1	Alternative 2	Alternative 3
Alternative Description	Expand West Hills + Spot Market Purchases	Maximize West Hills Production + Spot Market Purchases	Optimize Existing CVP Allocations at Existing Treatment Plants
10-Year Capital Investment for	Project Components		
West Hills WTP Expansion ¹	\$11.2	-	-
Spot Market Purchases ²	\$8.8	\$6.7	-
Total 10-Year Cost	\$20	\$6.7	\$0
Meets Water Production Requirements?	Yes	Yes	Yes
Meets Water Quality Goals?	Meets ADD & MMD Hardness Goals	Meets Only ADD Hardness Goals	Does Not Meet Hardness Goals

ADD – average daily demand, AF – acre-feet, CVP – Central Valley Project, mg/L – milligrams per liter, mgd – million gallons per day, MMD – maximum month demand, WTP – water treatment plant Notes:

- 1. Expand West Hills WTP by 2.25 mgd to a capacity of 6.75 mgd.
- 2. Present value of 10-year estimated spot purchases to achieve a target hardness of 180 mg/L and \$1,200 per AF.

Alternative 2 was selected as the preferred alternative because it can achieve the water quality goals the majority of the time while reducing near-term capital costs.

5.3.2 Water Transmission

The City, SJB, and SSCWD have Capital Improvement Programs (CIPs) to address the repair of, replacement of, and upgrades to their respective water distribution systems. Water distribution facilities for new development are the responsibility of the developer. The following subsections address only major improvements to the water transmission system that are required to move treated surface water from the WTPs to the municipal systems for further distribution.

5.3.2.1 SAN JUAN BAUTISTA PIPELINE

As described in Section 1.5, SJB was fined by EPA for violating discharge limits at its wastewater facility due in part to high sodium, chloride, and TDS concentrations. As part of the resolution, SJB evaluated options for higher-quality source water for its municipal customers and reached an agreement with SBCWD to divert treated water from the West Hills WTP. The San Juan Bautista Pipeline will form the infrastructure backbone for delivering high-quality surface water from the West Hills WTP to SJB to improve water quality in the distribution system. The pipeline is a 10-inch-diameter, gravity-fed, treated water transmission pipeline that will extend approximately 6.75 miles from the West hills WTP to SJB's distribution system, where it will connect near Well No. 6. A conceptual alignment is illustrated in Figure 5-4.

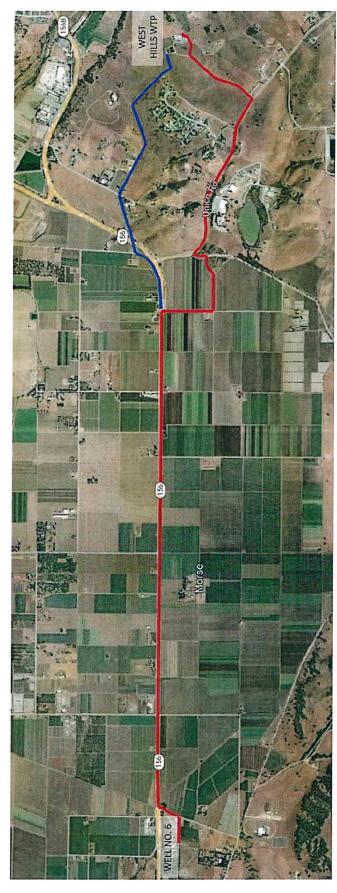


Figure 5-4. Conceptual San Juan Bautista Pipeline Alignments

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5.4 Water Conservation

The Water Resources Association of San Benito County's existing water conservation program should be continued and expanded as appropriate to continue bringing awareness to water use efficiencies, conservation opportunities, and waste avoidance.

5.5 Summary of Facilities Evaluation

Based on the information presented, recommendations were developed for water supply, water treatment, and water transmission. The recommended facilities are summarized in Table 5-4.

Table 5-4. Recommended Facilities

	Estimated Cost (\$M) and Timeframe						
Description ¹	2023	2024	2025	2026– 2030	2031– 2035	2036– 2045	Total
Water Supply							
ASR Phase 1	5.3	0.9	0.9				7.1
ASR Phase 2 ²			2.9	38.4			41.3
B.F. Sisk Dam Raise ³	1.8	1.8	1.7	44.8			50.0
ASR Phase 3 ⁴					2.9	38.7	41.6
North Area Groundwater Phase 1 ⁵					0.3	13.8	14.0
Pacheco Reservoir							TBD
Spot Market Purchases ⁶	0.2	0.4	0.5	4.1	-	1.4	6.7
Subtotal	7.3	3.1	6.0	87.3	3.2	53.9	160.7
Water Treatment							
ASR Phase 2 (costs included above) ¹							-
ASR Phase 3 (costs included above)4							-
Subtotal	-	=	-	=	-	*	-
Water Transmission							
San Juan Bautista Pipeline ⁷	8.7	4.0					12.7
Subtotal	8.7	4.0	-	-	-	-	12.7
Total	16.0	7.1	6.0	87.3	3.2	53.9	173.4

AF – acre-feet, AF – acre-feet per year, ASR – aquifer storage and recovery, CCI – Construction Cost Index, ENR – Engineering News-Record, mg/L – milligrams per liter, mgd – million gallons per day, TBD – to be determined Notes:

- Costs are referenced to the ENR, San Francisco Bay Area CCI Index for February 2021, at 13,110. TBD costs to be determined based on further studies.
- 2. ASR Phase 2 has an annual yield of 1,000 AFY and includes a 2.5 mgd WTP.
- 3. Storage of 5,000 AF will provide an average annual yield of 1,500 AFY for dry-year reliability.
- 4. ASR Phase 3 has an annual yield of 1,190 AFY and includes an additional 3.0 mgd water treatment.
- 5. The North Area Groundwater Phase 1 project has a yield of 1,000 AFY.
- Estimated spot purchases to achieve a system-wide average hardness target of 180 mg/L at \$1,200 per AF.
- 7. Based on the Class 4 estimate prepared and presented in the Basis of Design Report, October 2021.

The proposed phasing strategy for the water treatment facilities is presented in Figure 5-5. Note that if the ASR Project Phase 1 reveals that an ASR project is not feasible, an expansion of the West Hills WTP would be needed to replace the treatment capacity provided by the ASR project.



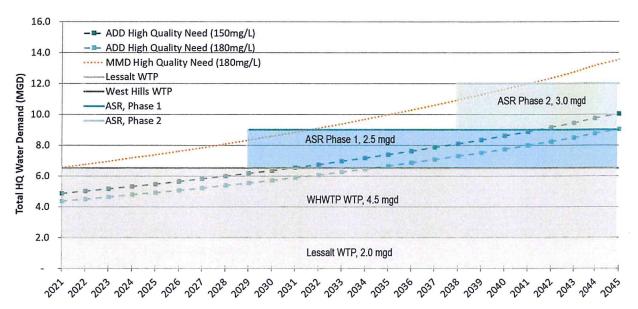


Figure 5-5. Proposed Phasing Strategy for Water Treatment Projects



6 Recommended Implementation Program

The 2008 Master Plan, and the subsequent 2017 Master Plan Update, provided the foundation for major improvements to the water and wastewater infrastructure in the region. Those improvements have provided significant benefits to drinking water quality, the ability to comply with waste discharge requirements, and the use of recycled water. This Master Plan Update provides recommended facilities and programs for additional water supply and treatment improvements through 2045.

NOTE TO READER: Following the completion of the water supply analysis presented in this Master Plan Update, the scope of ASR Phases 1 and 2 was updated to facilitate the pursuit of federal and state grant funding opportunities and ultimately deliver the project on an accelerated timeline. Although the facilities and phasing of the ASR project were updated, the total projected supply generated by the overall ASR program remains unchanged. Referred to as ADRoP (Accelerated Drought Response Project), the first phase of the ASR program now relies on the expansion of the West Hills WTP for treatment of imported water prior to injection, whereas the original project included a new dedicated water treatment plant. The first phase is also anticipated to include three to five ASR wells, capable of injecting 1,600 AFY to 2,700 AFY in wet years and generating an average annual yield of 650 AF to 1,035 AF. A more detailed description of ADRoP, including a full description of facilities, estimated cost and implementation schedule, is included in Appendix C.

6.1 Facilities and Programs

The facilities and programs recommended as part of this Master Plan Update are summarized in the following subsections.

6.1.1 Water Supply

The projected increase in water demand in the SBUA between now and 2045 is approximately 6,940 AFY (Table 3-1). The water quality goals for hardness and TDS drive the need for additional high-quality water supplies. The recommended priorities and actions for long-term water supply are summarized in Table 6-1. These recommendations are described in Section 4 and include continuation of ongoing programs and new projects requiring further investigation. All of the long-term water supply options should be retained as a menu of alternatives to contribute to a diverse and drought resilient water supply portfolio. Due to the inherent uncertainties in California water supply (drought, environmental constraints, regulations, etc.), it is prudent to maintain maximum flexibility in planning for long-term water supplies.



Table 6-1. Recommended Priorities and Actions for Long-term Water Supply Program

Description	Priority Level ¹	Estimated Average Annual Supply (AFY)	Recommended Action	
Surface Water				
B.F. Sisk Dam Raise	3	1,500	Collaborate with USBR, Secure Storage Volume of 5,000 AF	
PREP	4	TBD ²	Evaluate Appropriate Level of Engagement due to High Costs	
Local Surface Water Storage	Future	TBD ³	Further Investigation Required	
Groundwater				
ASR	1	1,000–2,190⁴	Conduct Pilot Study	
North Area Groundwater	2	1,000–2,0005	Complete Feasibility and Environmental Studies	
Ongoing Programs				
Water Conservation	1	6	Continue Existing Program	
Imported Surface Water	1	As Needed ⁷	Continue Existing Program	
Semitropic Water Bank	1	Drought Supply ⁸	Continue Existing Program	
Local Wells for Large Landscape Areas	1	9	Continue Existing Program	

AF – acre-feet, AF – acre-feet per year, ASR – aquifer storage and recovery, CVP – Central Valley Project, PREP – Pacheco Reservoir Expansion Project, TBD – to be determined, USBR – U.S. Bureau of Reclamation Notes:

- 1. Priority level from Table 4-8.
- 2. Negotiations are required to determine the appropriate level of engagement.
- Further investigations of an expansion of Paicines, or other local surface water storage options, is needed to confirm feasibility and yield.
- 4. Requires a pilot study to confirm feasibility. Could be implemented in phases.
- 5. Preliminary investigations indicated that up to 5,000 AFY during normal years and up to 2,000 AFY during dry years.
- 6. Significant reductions have already been achieved through regional efforts in water conservation. Further reductions to be determined based on results of ongoing efforts.
- 7. Conversion of Agricultural CVP water to M&I, long-term transfers, and/or spot market purchases are needed to augment M&I CVP supplies to meet water quality goals.
- 8. Semitropic Water Bank enhances dry-year reliability, but water might not be available during critically dry years if water is not available for diversion from San Luis Reservoir.
- The demand for high quality water could be offset with this strategy. However, the volume of water has not been estimated.

As described throughout this Master Plan Update, additional high-quality water will be required to meet the TDS and hardness goals. While the current supply portfolio is capable of meeting the demand for existing customers in a normal year, additional water is needed to meet the demands of future growth. During normal years, the additional increment of high-quality water is estimated to be approximately 785 AFY by 2025, 2,690 AFY by 2035, and 5,380 AFY by 2045 with an 81 percent blend ratio (assuming a water quality similar to imported CVP water). Furthermore, during a multi-year drought, the existing M&I CVP supply is not sufficiently reliable to meet the demands of existing customers. An additional 1,250 AFY of high-quality water is needed to meet the demands of existing customers during a multi-year drought.



The water supply options listed in Table 6-1 provide "building blocks" to meet the need for high-quality water.

The quantity and timing of additional high-quality water needs will depend on actual demand growth, hydrologic conditions (wet, normal, and dry years), and allocations of existing CVP supplies by USBR. Both the ASR and B.F. Sisk Dam Raise projects will improve the reliability of the existing CVP water by providing opportunities for long-term storage of excess CVP water during wet years. That water would then be available during dry years, when CVP allocations are curtailed.

During extended dry-year conditions, it might be necessary to relax the TDS and hardness goals. However, even during extended dry-year conditions, sufficient high-quality water supply is needed to meet the anticipated hexavalent chromium regulations.

6.1.2 Water Supply and Treatment Facilities

The recommended water supply and treatment facilities are summarized in Table 6-2. Table 6-2 is limited to the facilities and improvements that are recommended for implementation through 2031, which coincides with the estimated completion schedule for the B.F. Sisk Dam Raise Project. Improvements needed beyond 2031 should be revisited in a subsequent Master Plan Update which should be completed no later than 2027. At that time, the actual growth in water demand, water quality requirements, new regulations, and other factors can be reconsidered to develop recommendations and for appropriate scope and timing for facilities beyond 2031.

6.2 Coordination with Related Planning Activities

Implementation of this Master Plan Update should be coordinated with other ongoing programs to provide opportunities for optimizing facilities sizing, reducing costs, and obtaining outside financing. Some of the major ongoing programs for coordination include the following:

- Local Water Distribution System Master Plans and Infrastructure Investments
- Groundwater Sustainability Plan
- Valley Water's Pacheco Reservoir Expansion Project (PREP)
- Pajaro River Watershed Integrated Regional Water Management Program
- USBR's San Luis Reservoir Low Point Improvement Project
- ♦ USBR's B.F. Sisk Dam Seismic Upgrade and Dam Raise Project



Table 6-2. Estimated Costs, Schedule and Actions for Recommended Facilities

	Estim	ated Cost (\$	M) and Time	eframe		
Description ¹	2023	2024	2025	2026– 2031	Total	Recommended Action
Water Supply and Tr	eatment	9				
ASR Phase 1	5.3	0.9	0.9		7.1	Complete design and environmental studies
ASR Phase 2 ²			2.9	38.4	41.3	Complete Pilot Project and initiate design and environmental studies
B.F. Sisk Dam Raise ³	1.8	1.8	1.7	44.8	50.0	Collaborate with USBR and secure 5,000 AF storage
Imported Water ⁴	0.2	0.4	0.5	4.1	5.2	Purchase as needed to maximize production at West Hills WTP to meet water quality goals
Subtotal	7.3	3.1	6.0	87.3	103.6	
Water Transmission						
San Juan Bautista Pipeline	8.7	4.0			12.7	Confirm financing plans, design, and construct
Subtotal	8.7	4.0			12.7	
Total⁵	16.0	7.1	6.0	87.3	\$116.3	1 0 11 1 010

\$M - millions of dollars, AF - acre-feet, ASR - aquifer storage and recovery, CCI - Construction Cost Index, CIP - capital improvement program, City - City of Hollister, ENR - Engineering News-Record, mgd - million gallons per day, SBCWD - San Benito County Water District, SJB - City of San Juan Bautista, SSCWD - Sunnyslope County Water District, USBR - U.S. Bureau of Reclamation, WTP - water treatment plant Notes:

- 1. Costs are referenced to the ENR, San Francisco Bay Area CCI Index for February 2021, at 13,110.
- 2. ASR Phase 2 includes a 2.5 mgd WTP.
- 3. Costs provided by SBCWD. Project relies on state and federal partners.
- 4. Needed in the near term to maximize production of the West Hills WTP to meet system hardness goals. Costs estimated at \$1,200 per AF based on spot market purchases but could be lower if alternate imported sources are used (e.g., conversion of Ag CVP to M&I CVP).
- 5. Table does not include CIP costs for water distribution system improvements for the City, SJB, or SSCWD.

6.3 Water System Operations

To achieve the water quality goals, the SBUA will increasingly use treated surface water. Therefore, it is critical for the City, SJB, SSCWD, and SBCWD to cooperate in the efficient operation of the water supply, treatment, and distribution facilities.

The cooperation and coordination of system operations will be required to provide efficiencies and maximize the following benefits to consumers in the SBUA:

- Efficient use of limited high-quality water supplies
- Compliance with state and federal drinking water standards, especially the California hexavalent chromium limits



- Continued progress toward meeting TDS and hardness goals established for drinking water in the SBUA
- Continue compliance with waste discharge requirements for local wastewater treatment plants
- Production of Title 22 recycled water from the City's WRF for reuse by SBCWD for agricultural irrigation

To achieve these benefits, the 2013 System Operations Technical Memorandum should be updated to ensure efficient operation of new facilities and to incorporate facilities developed since 2013. Specifically, some of the issues to be addressed in the update should include the following:

- Production scheduling for the Lessalt and West Hills WTPs for seasonal and daily flow variations.
- 2. Scheduling of well operations to complement treated surface water deliveries and provide comparable average run times for all wells.
- 3. Production scheduling for the new ASR WTP for various year types and seasonal variations. For example, it is expected that, during wet years, the ASR WTP would treat excess CVP for injection; during normal years, the ASR WTP would treat CVP water for distribution, in balance with the West Hills WTP; and during dry years, the ASR WTP would treat recovered groundwater for distribution.

6.4 Engineering

The technical work completed for this Master Plan Update provides a framework for water supply and treatment facilities required through 2045. The recommended facilities are described in Section 5, and those near-term facilities recommended for implementation through 2031 are summarized in Figure 6-1. The locations of facilities presented throughout this Master Plan Update are conceptual, and final locations will be determined during facilities planning and preliminary design work.



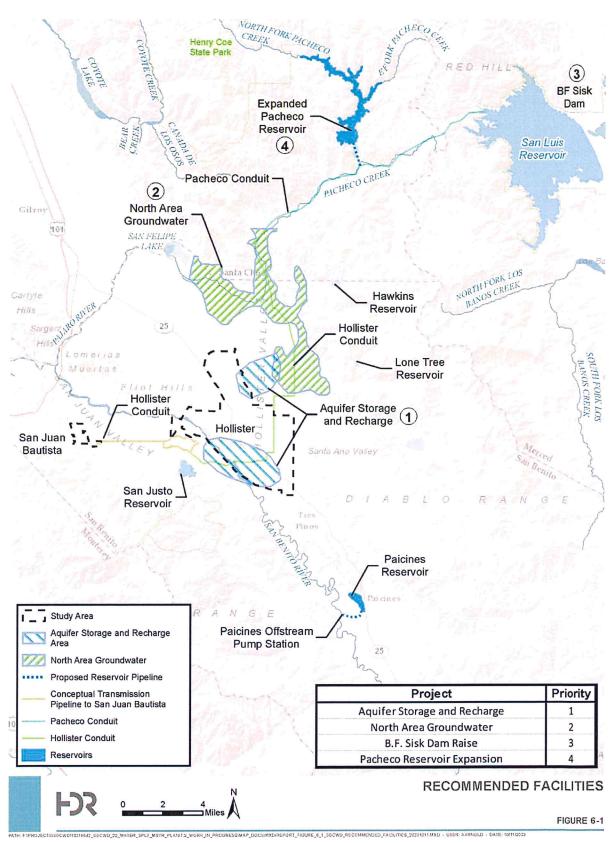


Figure 6-1. Recommended Facilities



The next step in implementation will be to conduct engineering and related technical investigations for the recommended facilities. Engineering work would include facilities planning, preliminary design, design, construction management, and startup. The preliminary design of the San Juan Bautista Pipeline project has been completed, and an initial feasibility study for the ASR project was completed as part of the Groundwater Sustainability Plan, which was submitted to the State in early 2022. An initial phase of the ASR project, referred to as ADRoP, is anticipated to rely on the expansion of the West Hills WTP for treatment of imported surface water prior to injection at an ASR wellfield. The location of the wellfield is conceptual. Actual well locations will need to be evaluated based on hydrogeological studies, infrastructure costs to convey water to the wellfield, available land, and environmental impacts, among others factors. Additional information about ADRoP is included in Appendix C.

Many of the improvements proposed in this Master Plan Update will be phased, and the engineering work would be scheduled accordingly. Construction contract packaging should also be evaluated to provide the greatest opportunities for competitive bidding by contractors.

6.5 Environmental Compliance

The recommended facilities will require environmental compliance with the California Environmental Quality Act (CEQA) to evaluate the environmental impacts of the projects. Project-specific compliance would be determined on a case-by-case basis for individual projects. For large, complex projects, such as the North Area Groundwater Project or the ASR project, a complete EIR will be required.

The region is known to be home to several federally listed species, including the California tiger salamander, California red-legged frog, and San Joaquin kit fox. As projects are developed, consideration should be given regarding how to minimize impacts to their habitat.

If federal grants or loans are used to pay for specific facilities, additional environmental review might be required to comply with the National Environmental Policy Act (NEPA). In addition, if federal facilities, such as the Hollister Conduit, are impacted, NEPA compliance might also be triggered.

6.6 Permitting

Numerous federal, state, and local permits will also be required for implementation. The required permits will be identified during the preparation of the engineering predesign studies and environmental compliance documents. A permitting strategy should be developed to minimize project delays and potential mitigation costs.

6.7 Institutional Agreements

Institutional agreements between and among agencies will be required to implement projects that provide joint benefits. Multiple institutional agreements are anticipated to be required in order to implement the recommended projects. The following agreements might be required:



- Update to the Water Supply and Treatment Agreement to add SJB and incorporate the new suite of projects.
- Update to operating agreements for the treatment plants to reflect a new cost allocation to include SJB.
- Agreement between SBCWD and SJB to construct and operate the San Juan Bautista Pipeline.
- Agreement between USBR and SBCWD to use the Hollister Conduit to receive concentrate from the ASR WTP, which would be blended with CVP water in the conduit to minimize overall water losses.
- Agreement with USBR and partner agencies to document storage volume and cost share in the B.F. Sisk Dam Raise.
- Update to the MOU between SBCWD and Valley Water for the PREP to record SBCWD's status of participation going forward.
 - Agreement between USBR and SBCWD to use the Hollister Conduit to transmit North Area groundwater (Warren Act).

6.8 Financing

Recommended projects might be financed local funding and/or state and federal grants and loans. Past projects, such as the Hollister Urban Area Water Project, have been implemented through a combination of local financing and state grants. Opportunities for outside financing (grants or loans) should be fully explored from state water programs and federal infrastructure funding.

For local financing, the agencies will need to update their financial plans and rate studies. Rate study updates should include a review of both rates and connection fees. For the recommended new water facilities, benefits and costs should be allocated to water quality improvements and growth. Staff from each water agency should meet periodically to discuss strategies to accommodate these new facilities and the status of their individual financing plans.

It is recommended that the projected water demands, facilities timing, and financing plan be reviewed by 2027. This interim milestone would give the agencies the opportunity to verify actual trends in water demand growth and adjust the schedules for implementing and financing facilities as appropriate.

SBCWD has initiated efforts to pursue over \$30 million in grant funding from federal and state programs for an accelerated ASR project, ADRoP, including:

- Small Storage Grant Program by United States Bureau of Reclamation (USBR)
- Round 2 Integrated Regional Water Management (IRWM) Implementation Grant Program by California Department of Water Resources (DWR)
- Round 2 Sustainable Groundwater Management (SGM) Grant Program by DWR



If funds are awarded, the funding programs impose certain limits on the performance completion date which is when the funded project needs to be completed. With the performance due dates set as early as December 2026 and as late as March 2027, the original scope of the first phases of the ASR project was updated to facilitate the pursuit of grant funding. The updated ASR project, ADRoP, is described in further detail in Appendix C.

6.9 Stakeholder Outreach

Stakeholder outreach has been an integral part of implementing past master plans. Continued successful implementation of the recommendations of this Master Plan Update will require a proactive approach to the various interest groups and stakeholders in the SBUA, including:

- General public,
- ♦ Local interest groups (business, environmental, and others),
- Regulatory agencies,
- ♦ City, County, SBCWD, SJB, and SSCWD elected officials and staff, and
- Regional interests outside San Benito County.

A first step in developing a responsive stakeholder outreach program would be to revisit the communications strategy that was previously implemented to support the upgrade of the Lessalt WTP and new West Hills WTP.

6.10 Recommended Implementation Schedule and Next Steps

Implementing this Master Plan Update will require overall program and individual facilities activities. Some of the recommended projects are already in design or have advanced through the feasibility phase.

The next major infrastructure improvements would be completed through 2031. Table 6-3 summarizes the recommended projects and programs along with a timeline and responsibilities for implementation. It is also recommended that this Master Plan Update be updated no later than 2027. An update in this timeframe is necessary to adjust the recommendations for facilities beyond 2027 based on actual growth rates, progress made in program implementation, new regulations, and potential new issues and opportunities.



Table 6-3. Summary of Timing and Responsibility for Recommended Improvements

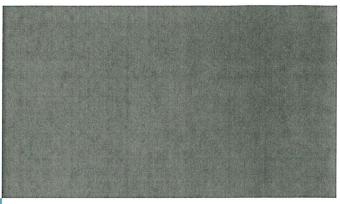
Description	Date	Responsible Agency
Water Supply		
Continue and/or Expand Existing Programs		
Continue Importing Surface Water	Ongoing	SBCWD
Renew Semitropic Water Agreement	Ongoing	SBCWD
Continue Water Conservation Program	Ongoing	WRA
New Programs		
Complete ASR Phase 1 Project	2022–2024	SBCWD
Secure 5,000 AF of Storage in the B.F. Sisk Dam Raise Project	2022	SBCWD
Determine Appropriate Level of Continued Engagement in PREP	2022	SBCWD
Further Investigate Local Surface Water Supplies and Storage	2024+	SBCWD
Complete Feasibility and Environmental Studies for North Area Groundwater Supply	2024+	SBCWD
Water Treatment		
Confirm Treatment Requirements for the ASR Project	2022–2024	SBCWD
Expand West Hills WTP to 9 mgd	Future	SBCWD
Water Distribution		
Construct the San Juan Bautista Transmission Pipeline	2022-2024	SJB, SBCWD
Complete Additional Operations Studies and Modeling to Provide Uniform Distribution of High-quality Water	Ongoing	City, SJB, SSCWD
Implement CIPs for Water Distribution System Improvements	Ongoing	City, SJB, SSCWD
Updates to Planning Documents		
Update Water System Operations TM	2022	All Agencies
Complete Master Plan Update	By 2027	All Agencies

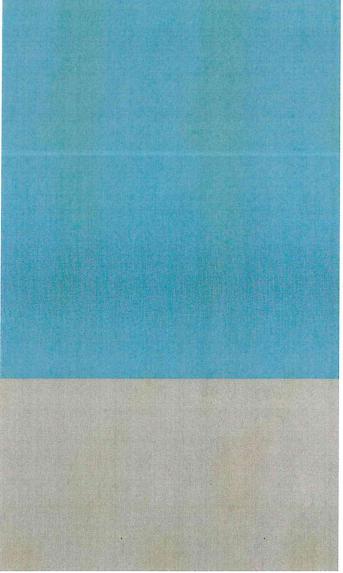
AF – acre-feet, ASR – aquifer storage and recovery, CIP – capital improvement program, City – City of Hollister, CVP – Central Valley Project, mgd – million gallons per day, PREP – Pacheco Reservoir Expansion Project, SBCWD – San Benito County Water District, SJB – City of San Juan Bautista, TM – Technical Memorandum, USBR – U.S. Bureau of Reclamation, WRA – Water Resources Association of San Benito County, WTP – water treatment plant

Notes:

Refer to Table 6-2 for estimated costs.

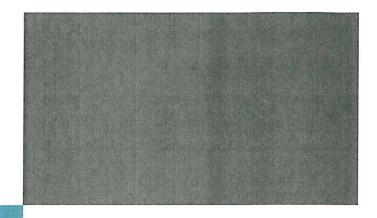


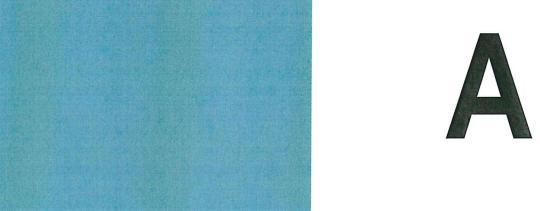




Appendices







Appendix A Water Demand Projections Technical Memorandum

I-25

Water Demand Projections Technical Memorandum Master Plan Update

City of Hollister, City of San Juan Bautista, San Benito County, San Benito County Water District, and Sunnyslope County Water District

June 2022



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Summary

Demand projections are required for the San Benito Urban Area (SBUA) Water Master Plan Update to identify future urban water supply needs for the planning horizon of 2045. The demand projections presented in this technical memorandum follows the framework set by previous studies with updated population growth within the service area, unit demands, new additions to the service area, and other factors such as economic and social conditions.

The average annual water demands for the SBUA are approximately 5,559 acre-feet per year (AFY) based on the production data from 2018 to 2019, excluding 2020 due to the singularity of the pandemic. The annual water demand is projected to increase to approximately 9,192 AFY by 2035 and to approximately 12,496 AFY by 2045, as summarized in Figure 1. By comparison, the previous master plan update, completed in 2017, projected the annual water demand would be 10,170 AFY by 2035. The decrease in projected future demands is attributed to changes in consumer behavior due to past droughts, conservation, and moderated population growth rates. The significant difference between the average 2018 through 2020 demand and the estimated 2021 demand is largely due to the inclusion of City of San Juan Bautista.

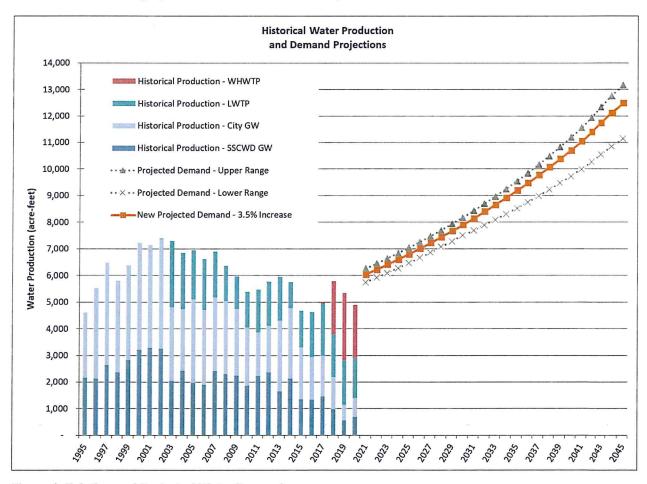


Figure 1. Existing and Projected Water Demands



1.0 Previous Projections

Demand projections are required for the San Benito Urban Area Water Master Plan Update to identify future urban water supply needs for the planning horizon of 2045. The following subsections present a summary of past projections that have been prepared for the 2008 Master Plan, the 2010 Urban Water Management Plan, and the 2017 Master Plan Update.

1.1. 2008 Master Plan

The 2008 Hollister Urban Area Water and Wastewater Master Plan (2008 Master Plan) included a detailed analysis of historical water use and future water projections. The analysis incorporated land use planning data from the adopted General Plans for the City of Hollister (City) and San Benito County (County), respectively, evaluation of unit demands, system losses, and water conservation projections.

At the time of the 2008 Master Plan, the average annual water demand was estimated to be approximately 7,965 AFY and was projected to increase to 11,840 AFY 2023 and to 20,150 AFY by buildout of the Hollister Urban Area (HUA).

The growth in demands presented in the 2008 Master Plan is presented in Figure 2.

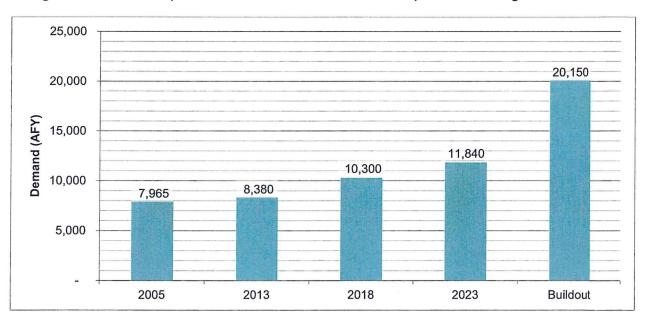


Figure 2. 2008 Master Plan Water Demand Projection

1.2. 2010 UWMP

The 2010 Urban Water Management Plan (UWMP) included an analysis of past and projected water demands, as required by the State and prescribed in the 2010 UWMP Guidebook. As presented in the 2010 UWMP, the total water use from 2005 to 2010 decreased from approximately 6,791 AFY to 5,856 AFY, despite a relatively consistent population in the HUA. The factors believed to contribute to this decrease are described in the following section.



Water demand was projected to increase to 8,624 AFY in 2020 and to 11,583 by 2030, which included estimated system losses at approximately 7 percent of demand.

1.3. 2017 Master Plan Update

The 2017 Hollister Urban Area Water and Wastewater Master Plan Update (2017 Update) updated water demand projections based on plans and schedules for future developments provided by the City and the Sunnyslope County Water District (SSCWD), the updated unit demands, system losses, and water conservation projections.

The average annual water demand of the HUA at 2017 was estimated to be approximately 5,830 AFY and was projected to increase 10,170 by 2035.

The demand projections from the 2017 Update for the City and SSCWD through 2035 are presented in Table 1.

Existing 2020 2025 2030 2035 3,150 3,980 5,040 City 3,580 4,460 **SSCWD** 2,680 3,760 4,380 5,130 3,240 5,830 7,740 8,840 **Total** 6,820 10,170

Table 1. 2017 Master Plan Update Demand Projections

2.0 Changed Conditions Since Prior Projections

Since the Master Plan Update in 2017, several key conditions changed. The changed conditions include factors which would increase demands and factors which would tend to decrease demands.

2.1. Economic Development

With the recovery of the economy since the "Great Recession", and the boom of the technology industry at Silicon Valley, San Benito County has become the fastest growing county in the Association of Monterey Bay Area Governments (AMBAG) region. According to the 2020 U.S. Census, San Benito County was the third fastest growing county in California since 2010. San Benito County is anticipated to continue to grow significantly in long term in both housing and employment (AMBAG, 2020).

2.2. New Additions to the HUA

San Juan Bautista is a city within the County approximately 7.5 miles east to the City of Hollister. Like other cities in the County, San Juan Bautista is expecting to grow in population due to economic recovery and expansion. In a recent MOU with the San Benito County Water District (District), San Juan Bautista will finance the infrastructure required to convey treated surface water from the West Hills Water Treatment Plan (WHWTP) to meet its future demand as well as to improve distribution water quality.



2.3. County Master Plan Update

The San Benito County 2035 General Plan, adopted on July 21, 2015, provides land use designations within the county, as well as within the HUA area (outside the City's sphere of influence). Urbanization/densification of agricultural, low density and/or vacant parcels will result in an increase in the potable water demand.

2.4. Drought

San Benito County, like all of California, has experienced severe drought conditions. Since 2008, two state-declared drought emergencies have occurred, one in 2007 to 2009 and the other in 2012 to 2016. During the 2012 to 2016 drought emergency, a mandatory 25 percent reduction was enforced throughout the state. Future severe droughts might see similar mandatory measures. In addition, other conservation laws focusing on water suppliers' water efficiency and water budgets have passed in recent years, such as the Senate Bill 606 and Assembly Bill 1668 passed in 2018. Drought conditions and conservation measures will continue to have significant impacts on water demands.

2.5. Conservation

The Water Conservation Bill of 2009, Senate Bill x7-7, required a 20 percent reduction in percapita urban consumption by 2020 (often referred to as 20 by 2020). SBx7-7 requires that urban water purveyors are not eligible for state water grants or loans unless they comply with their water conservation requirements. In addition, Senate Bill 606 and Assembly Bill 1668 requires water suppliers to annually calculate water efficiency standard based beginning in November 2023.

The effect of water conservation laws has been a heightened awareness and implementation of conservation measures in the HUA. The Water Resource Association of San Benito County (WRA) is responsible for managing the conservation efforts, including providing incentives for new plumbing fixtures (e.g., low flush toilets, etc.), and providing information and education on conservation measures for the public. As described later in this memorandum, the WRA has been very successful in its efforts to upgrade plumbing fixtures.

3.0 Methodology

The 2008 Master Plan was based on planned future land uses and the application of water use factors to those respective lands. The land use designations and densities were identified in the City and County General Plans for vacant lands within the Study Area. The future demands were then added to the existing demand to determine a total forecasted demand for 2023 and beyond.

The 2017 Update partially relied on earlier projections to understand the total potential demand, but used population growth, revised water use factors, and other use trends provided by the City's Planning Department and SSCWD to complete the demand projections.



The 2022 Update continues the approach set in 2017 to project future demands, by updating population growth, development plans, and water use factors based on the City and SSCWD's input.

4.0 Analysis of Recent Historical Data

The following subsections present an analysis of recent water consumption, unit factors, conservation, and unaccounted for water.

4.1. Water Consumption

Historical water consumption data in the past five years are presented in Table 2 by summarizing water production data by source. The water supply sources are local groundwater from wells and imported CVP surface water, treated at the two water treatment plants. Over the past five years, after a slight decline in 2016, water consumption increased until peaking in 2018. Consumption started to decrease in 2019 and continued decreasing in 2020. However, 2020 data is excluded from the demand projection due to the singularity of the pandemic.

	2015	2016	2017	2018	2019	2020
SSCWD GW	1,348	1,331	1,449	978	565	694
COH GW	1,960	1,615	1,543	1,217	588	707
Lessalt WTP	1,364	1,682	1,940	1,596	1,660	1,503
West Hills WTP	*	-	51	1,990	2,524	1,990
Total	4,672	4,628	4,983	5,781	5,337	4,894
Annual Increase		(44)	355	798	(444)	(443)

Table 2. Historical Water Production (AFY)

4.2. Unit Factors

Since the majority of developments in the HUA between 2017 and 2021 have been Single Family Residential (SFR) projects, this 2022 Update evaluated the latest unit factor for SFRs and assumed that the unit factors of other customer types remains the same. The SFR unit factor is based on data provided by SSCWD based on meter data of "new" residential construction since 2018. The City's unit factors for new connections are assumed to be the same as those of the SSCWD. The new unit factor, 0.25 AFY/connection, is approximately 76% of the 2017 estimate of 0.33 AFY/connection. Although this recent data suggests that water consumption for new SFR customers has decreased, to account for variability in lot size, unforeseen growth or other plans, as well as the lifestyle changes introduced by the pandemic, this 2022 Update continues to use a unit factor of 0.33 AFY/connection for a conservative baseline projection.

4.3. Conservation

The Water Resource Association of San Benito County (WRA) began tracking water conservation activities in 2003. Between 2003 and 2013, total water savings generated from



fixture replacements are approximately 2,623 AFY. In addition to the indoor plumbing retrofits, approximately 74,500 square feet of turf has been removed and/or replaced with drought tolerant landscaping since early 2014, which has helped reducing water loss due to evaporation. The 2017 Update pointed out that many of the quantifiable indoor conservation retrofits are reaching saturation in the existing system, and turf removal due to drought and mandatory rationing is not expected to continue.

4.4. Unaccounted for Water

The 2017 Master Plan Update compared the total water production, including the water produced at the City's wells, SSCWD's wells, and the Lessalt Water Treatment Plant (LWTP), to the total metered water in the combined system. It was estimated that the average of unaccounted for water is approximately 7% of annual consumption. The 2022 Update continues to use the 7% ratio.

5.0 Population Projections

As previously described, residential growth was used as the basis to update the water demand projections. Like the 2017 Update, the distribution between yearly new SRFs and MRFs is approximately five to one, and the annual incremental commercial, industrial and institutional use is kept at 12.5 AFY.

A summary of population projections from various sources are listed in Table 3. Compared to the 4% rate of increase used in the 2017 Update, population growth is likely to decrease in the future. The County's existing population and future growth are concentrated in the urban areas; therefore, the increase in water demands should at a minimum match the growth within and around these urban areas.

Source	Planning Period	Planning Area	Average Annual Growth Rate
AMBAG	2005 - 2045	AMBAG Region	0.5%
2020 San Benito County Water District UWMP	2000 - 2020	San Benito County	2.5%
2022 Final AMBAG Regional Growth Forecast	2010 - 2045	San Benito County	1.2%
2035 County General Plan EIR Update	2010 - 2035	San Benito County	2.6%
2005 City General Plan	2000 - 2023	City of Hollister	2.0%
SSCWD Development Plans	2021 - 2040	SSCWD	3.5%
2020 HUA UWMP	2020 - 2040	City and SSCWD	3.6%
2020 San Juan Bautista Water Master Plan	2020 - 2045	San Juan Bautista	1.9%

Considering the population growth will be disproportional in different areas, population projections for the AMBAG regional area and the County are less reflective than those of the urban locations. Additionally, recent historical records are also analyzed to verify this assumption. Table 4 summarizes the average annual growth in actual demand and water



accounts from 2015 to 2019. This period saw significant changes in production quantity, but the average trend is a net water demand increase, at a rate slightly below the 4% population increase used in the 2017 Update.

Table 4. 2015 - 2020 Production Data and Account Data

	Production (AFY)	Annual Increase Rate	Avg Annual Increase in Rate of Water Production ¹
2015	4,672		
2016	4,628	(0.9%)	
2017	4,983	7.7%	3.8%
2018	5,781	16%	
2019	5,337	(7.7%)	

Notes:

Based on the information presented in Tables 3 and 4, and discussions with the District and its partner agencies, a population growth rate of 3.5% is selected as the basis for the demand projections. Table 6 presents the population growth, by year, for the planning horizon.

Table 5. Projected Population Growth, at 3.5% per Year

Year	New Population ¹	New Units ²	Year	New Population ¹	New Units ²
2021	1,553	470	2034	2,428	736
2022	1,607	487	2035	2,513	762
2023	1,663	504	2036	2,601	788
2024	1,721	522	2037	2,692	816
2025	1,782	540	2038	2,786	844
2026	1,844	559	2039	2,884	874
2027	1,908	578	2040	2,985	904
2028	1,975	599	2041	3,089	936
2029	2,044	619	2042	3,197	969
2030	2,116	641	2043	3,309	1,003
2031	2,190	664	2044	3,425	1,038
2032	2,267	687	2045	3,545	1,074
2033	2 346	711			

- 1. Population growth is projected based on 3.5% growth per year.
- 2. New units are based on 3.3 people per household, consistent with the 2017 Update.

6.0 Water Demands

In discussions with the District and the partner agencies, there are no significant changes to the distribution between single family residential (SFR) and multifamily residential (MFR). Therefore, the ratio of 5:1 (SFR:MFR) used in the 2017 Update is kept the same in this update. Based on the unit demands presented in Section 4, the projected water demands in the conventional HUA, excluding SJB, are summarized in Table 6. The conventional HUA refers to the previously defined service area in the 2017 Update. SJB demands are added separately.

^{1.} Average annual production increase rate is calculated as the average of increase rate of each year.

Table 6. New Water Demand by Customer Class (AFY) in the conventional HUA

	2021 - 2025	2026 - 2030	2031 - 2035	2036 - 2040	2041 - 2045	Total
SFR ^(a)	699	831	986	1,172	1,391	5,079
MFR ^(b)	89	106	126	149	177	647
Commercial/Industrial ^(c)	63	63	63	63	63	313
Losses ^(d)	55	66	78	92	110	401
Total	906	1,064	1,253	1,476	1,741	6,440

- SFR demand is based on a unit demand of 0.33 AFY.
- 2. MFR demand is based on a unit demand of 0.21 AFY.
- 3. Commercial / Industrial demands were estimated based on 12.5 AFY of new demand per year.
- 4. Losses were estimated at 7 percent of residential demand.

Table 7 summarizes the total estimated Average Day Demand (ADD), Maximum Month Demand (MMD) and Maximum Day Demand (MDD) for the combined systems as well as for individual entities. As shown, the total system demand is expected to increase from approximately 5,560 AFY in recent years to 12,500 AFY in 2045.

Table 7. Projected Water Demand (AFY) for Major Entities and the Combined System

	Existing (Avg of 2018 and 2019)	2025	2030	2035	2040	2045
City	2,417	2,813	3,274	3,817	4,461	5,217
SSCWD	3,142	3,657	4,256	4,963	5,799	6,783
San Juan Bautista ¹	-	340.2	372.4	410.0	451.3	496.9
Total Annual	5,559	6,810	7,902	9,190	10,711	12,497
Total ADD (mgd)		6.1	7.1	8.2	9.6	11.2
Total MMD (mgd) ²		9.1	10.6	12.3	14.3	16.7
Total MDD (mgd) ³	-	12.2	14.1	16.4	19.1	22.3

Notes:

- 1. SJB demands are based on most recent SJB Water Master Plan.
- 2. MMD is estimated at 1.5 times ADD, same as the 2017 Update, based on historical consumption data.
- 3. MDD is estimated at 2.0 times ADD, same as the 2017 Update, based on historical consumption data.



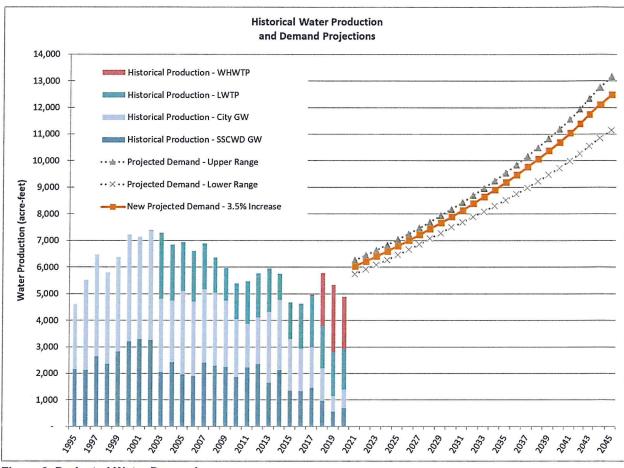
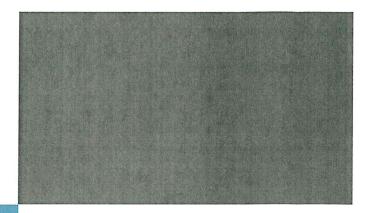


Figure 3. Projected Water Demand

Due to the inherent uncertainty in projecting future conditions, a range is presented in Figure 3. The difference from 2018 and 2019 compared to the estimated 2021 demand is largely due to the inclusion of the demands of the City of San Juan Bautista. The upper band of the range uses the peak 2018 consumption data as the existing condition and a 4% population increase rate. The lower band uses the average of 2018 and 2019 consumption data as the existing condition and adopts the smaller 0.25 AFY/connection SFR unit factor as described in Section 4. Due to the inherent uncertainty in forecasting future conditions, it will be important to identify triggers such that the implementation of new water supply infrastructure needed to serve the future demand is complete in a timely manner. Further, the demand forecast should be updated within five years.



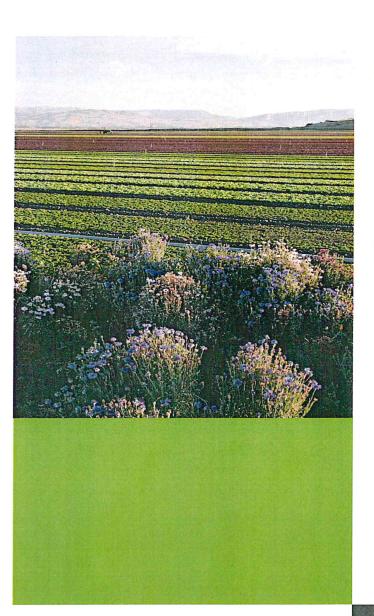


B

Appendix B

Climate Change Strategic

Plan



Climate Change Strategic Plan

San Benito County Water District

December 13, 2022

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1.0 Introduction

1.1. Background

The San Benito County Water District (District) is located in San Benito County that has long dry seasons that characterizes the Mediterranean climate. The District has a contract with the United States Bureau of Reclamation (USBR) to import surface water for agricultural (Ag) and municipal/industrial (M&I) uses to its service area via the Central Valley Project (CVP), a system of reservoirs, canals and pumping stations. The District's contract with USBR is for a total supply of 43,800 acre-feet per year (AFY), of which 35,550 AFY is for Ag use and 8,250 AFY is for M&I use. The USBR establishes allocations on an annual basis depending on hydrologic conditions in the state. Once imported, the M&I supply is treated at local surface water treatment plants and delivered to the City of Hollister (Hollister) and Sunnyslope County Water District (Sunnyslope), where the water is blended with groundwater from municipal wells to improve water quality in the municipal drinking water system. The District will also begin delivering treated surface water to the City of San Juan Bautista (San Juan Bautista) in 2025.

The overall San Benito Urban Area (SBUA) foresees an increase in population and commercial development. The 2022 Water Supply and Treatment Plan Update (2022 Plan) evaluated the reliability of the existing CVP supply and concluded that although the supply is sufficient to meet M&I demands in wet and normal years, during dry years, there is a supply deficit for existing users. In addition, when reduced imported supply quantity during dry years, when the CVP allocations are curtailed, municipal groundwater pumping increases which can result in overdraft conditions in the groundwater basin. The impacts of climate change will negatively impact the availability and reliability of future CVP water deliveries, resulting in more frequent years with reduced allocations. These impacts will not only affect the District's supply for future growth, but also limits its ability to maintain water quality for existing customers in dry years.

1.2. Purpose

The purpose of this Climate Change Plan (Plan) is to review and summarize the analysis performed to date assessing the anticipated impacts of climate change on the District's water supply. In addition, this Plan also documents the District's efforts in identifying system vulnerabilities and risk mitigation strategies. This Plan will be appended to the 2022 Water Supply and Treatment Plan Update.

This Plan reviews and references the following reports and documents, in addition to information provided by District staff, to bring related information into one common location:

- ♦ 2015 Hollister Urban Area Urban Water Management Plan (2015 UWMP)
- 2017 Hollister Urban Area Water and Wastewater Master Plan Update (2017 Plan Update)
- 2020 Hollister Urban Area Urban Water Management Plan (2020 UWMP)
- ♦ 2021 North San Benito Groundwater Sustainability Plan (2021 GSP)
- ♦ 2022 Water Supply and Treatment Plan Update (2022 Plan Update)



2.0 Climate Science and Assessment

Climate change science and its hydrological impacts to the District's local water supply were investigated and modeled as part of the 2021 GSP. Aside from reviewing both surface and groundwater water balances from 1975 to 2017, the 2021 GSP presented additional numerical modeling forecasting scenarios. The forecasting considers conditions expected to occur over the next 50 years using a baseline scenario assuming a continuation of existing land use, urban water demand, water, and wastewater treatment and CVP availability. Climate, stream flow, and imports are adjusted to model for climate change impacts, these adjustments referenced projections by the California Department of Water Resources (DWR). The general result is that the climate in 2070 will be warmer and wetter in the District's service area, and while CVP imports are expected to be reduced, they are still needed to maintain the basin in balance over longer durations.

2.1. Projection of Future Climate Change

The model prepared for the 2021 GSP included a future baseline scenario, without adjustments climate change as well as a scenario with adjustments for climate change. The results are taken relative to each other to assess the impacts that climate change would have relative to baseline conditions. The following sections describe this further.

2.1.1 Model Setup of Future Condition Simulation

In the 2021 GSP, the climate change scenario assumed land use and water use patterns were the same as in the future baseline scenario. Adjustments to the rainfall and reference evapotranspiration (ETo) time series for the rainfall-runoff-recharge model were made using data sets provided by the DWR. DWR produced multipliers representing climatic conditions for 2030 and 2070. The 2070 data set was selected to fully reveal anticipated climate-change effects.

DWR also produced monthly stream flow multipliers at a basin scale, with a single time series of values for the entire watershed area tributary to the model. Those multipliers were applied only to the Pacheco Creek and San Benito River inflows because the simulated inflows for other streams entering the basin already reflected climate change effects through the precipitation and ETo adjustments in the rainfall-runoff-recharge model.

CVP supplies under the 2070 climate conditions are expected to be consistently less than under future baseline conditions due to a loss of snowpack in the CVP source areas. The CVP projections were based on Cal Sim II simulations that reflected the most up to date CVP operational forecast given climate change. The future modeling, on which the sustainable yield was based, represented a continuation of existing land and water use patterns, but with anticipated effects of future climate change on local hydrology (rainfall recharge and stream percolation) and on the availability of imported water supplies.

2.1.2 Results of Future Condition Simulations

The general result of the climate change analysis indicated by the precipitation and ETo multipliers is that the climate in the District's service area, in 2070, will be warmer and wetter



than the current climate. Precipitation and rainfall recharge are expected to increase in winter, and crop water demand — and hence groundwater pumping for irrigation — are expected to increase in summer.

In all management areas, rainfall recharge was considerably higher in wet years under climate change, but about the same as under historical conditions in dry and normal years. In contrast, groundwater pumping was greater in all years. The increase in groundwater pumping was substantially larger in the Hollister and San Juan Management Areas (MA) because CVP imports would be reduced by climate change, which results in even greater reliance on groundwater.

The 2021 GSP calculated the average annual water balances for the 50-year future analysis period for each management area. In addition to the changes in rainfall recharge and groundwater pumping noted above, subsurface bedrock inflow from tributary watersheds was slightly higher in the climate change scenario than the baseline scenario due to increased rainfall recharge combined with negligible pumping in the upper watersheds. In most management areas, percolation from streams increased and groundwater discharge to streams decreased under climate-change conditions. While this may be partly attributed to an increase in surface water inflow, the primary driver is an increase in groundwater pumping for irrigation, which will outpace the increase in surface water inflow. Municipal groundwater pumping was the same under 2070 climatic conditions except in the Hollister MA, where it increased due to climate-related reductions in CVP availability.

The projected shift in local hydrology toward wetter and warmer conditions increased simulated pumping and water-level declines in summer and during most droughts, but increased stream inflow and net percolation generally offset those declines. That notwithstanding, in the most impacted area — the central part of the Hollister MA — simulated water levels remained lower by as much as 20 feet for decades before an exceptionally wet period provided enough recharge to recover back to baseline water levels. The CalSim II projected CVP supplies under the 2070 climate conditions, used in the GSP, were expected to be consistently less than under future baseline conditions due to a loss of snowpack in the CVP source areas (the Sierra Nevada Mountain range). In the simulation, the reduced CVP imports caused further increases in agricultural pumping in the Hollister and San Juan MAs relative to the Southern and Bolsa MAs and accentuated drawdown in summer and during most droughts. Its notable that actual CVP supplies may be more variable than previously simulated, and this variability may further accentuate drawdowns during prolonged droughts.

In summary, the GSP modeling indicated that continued CVP imports (as simulated) will be required to avoid any long-term groundwater-level or changes in storage trends that would otherwise be associated with the climate change scenario. However, recent CVP allocations have been substantially decreased below previous projections, including the long-term projections used in the climate-change scenario.



2.2. Assessment of Impacts

The 2021 GSP concluded that the effects of climate change and future growth would be additive. The combination might be enough to initiate long-term storage declines and will certainly lower the minimum groundwater levels during drought periods. Further, the analysis confirmed that continued deliveries of imported CVP water supplies are necessary to combat the impacts of climate change. Since the actual CVP supplies may be more variable than those that were used in the GSP model simulations, the minimum groundwater levels may be further accentuated in the future without mitigation.

3.0 Vulnerability and Risk Assessment

In recent UWMPs, SBCWD conducted climate change vulnerability assessment, as required and instructed by UWMP guidelines. System vulnerabilities are mostly reflected in growing demand during drought periods, and risks are largely associated with consequences of reduced surface water supply and increased groundwater pumping. These vulnerabilities and risks are further described below.

3.1.1 Drought Vulnerability

The 2020 UWMP reported that recorded droughts had been sufficiently intense and prolonged to temporarily affect groundwater levels in the basin but had not affected the long-term consistency of supply. However, paleoclimatic data indicate that extreme prolonged droughts have occurred in prehistoric California and current climate research indicates that extreme drought may occur more frequently as the climate changes in the future. Furthermore, based on the analysis performed for the 2021 GSP, it is clear that the anticipated local hydrology will trend toward wetter and warmer conditions due to climate change, resulting in increased groundwater pumping and associated declines in the groundwater-level during drought periods. Moreover, in the most impacted area, the central part of the Hollister MA, simulated water levels remained lower by as much as 20 feet for decades before an exceptionally wet period provided enough recharge to recover back to baseline water levels. It is notable that CVP imports are required to keep the basin in balance and prior to the construction of the San Felipe Division of the CVP system, which was completed in 1987 and facilitates CVP imports into the basin, the basin was in a state of overdraft for a prolonged period.

3.1.2 Water Demand Vulnerability

The 2020 UWMP explained that climate change may also increase regional temperatures and cause more variable weather patterns. The minimum daily temperature in California has increased over one degree Fahrenheit and continues to rise. Higher temperatures and the increased duration of high temperature periods could increase water demand by more than 50 percent seasonally. The increase in demand will be through increased agricultural irrigation, landscape irrigation, other residential uses, outdoor residential and commercial irrigation, with particular ramifications for summer months.

3.1.3 Legal Vulnerability

The 2020 UWMP documented that the Hollister groundwater basin has not been adjudicated, so specific groundwater rights have not been quantified. This was largely due to the success of



local groundwater management activities with stakeholder involvement, so that lengthy and costly legal action has not been needed. However, interruption of imported water would induce additional groundwater pumping. Depending on the magnitude and persistence of the interruption, groundwater storage and the reliability of groundwater supply would be reduced, leading to an increased need to legally define water rights among stakeholders.

3.1.4 Supply Reduction Risk

According to the Intergovernmental Panel on Climate Change, global warming could significantly alter California's hydrologic cycles and water supply. The 2020 UWMP described that these impacts could include decreased Sierra snowpack, increased temperatures, more severe droughts, sea level rise, and increased floods. Climate models indicate that precipitation as rainfall is expected to increase as snowfall decreases over the Sierra Nevada and Cascade mountain ranges. By the end of this century, the Sierra snowpack is projected to be 48 to 65 percent less than the historical average. Sierra snowmelt feeds rivers that flow to the Sacramento-San Joaquin River Delta (Delta), the source of the District's imported CVP water. This reduction would directly impact the volume of imported water available for all the District CVP customers, including Hollister and Sunnyslope, and soon to be San Juan Bautista. The Delta is also at risk from the predicted increases in climate variability associated with climate change. More severe flooding and rising sea levels threaten the waterways that serve as a vital link in the CVP system within the Delta. All of these impacts to the Delta or CVP infrastructure could result in a reduction in future CVP allocations for the District.

3.1.5 Groundwater Basin Overdraft Risk

As previously noted, imported CVP supply is required to keep the basin in balance. A reduction in imported CVP supply coupled with increasing demand could lead to substantially increased pumping from groundwater users, resulting in basin overdraft. The Sustainable Groundwater Management Act (SGMA) defines overdraft as involving undesirable impacts including chronic lowering of groundwater levels, reduction of groundwater storage, seawater intrusion, degraded water quality, land subsidence, and surface water depletions with adverse impacts on beneficial uses. Seawater intrusion is an unlikely impact as the District is situated in an inland basin. Deteriorated water quality, a result of groundwater basin overdraft, such as high levels of nitrate, would limit some uses of groundwater to comply with regulations, further impairing reliability of supplies. As with groundwater, the water quality of recycled water may be impaired due to increased use of groundwater, therefore reducing the District's ability to supplement its agricultural water supply with recycled water.

3.1.6 Other Risks

Other factors that can disrupt water supply include heat waves, wildfires, flooding, earthquakes and other climate induced natural disasters. These conditions may impact the supply source, the District's ability to operate its water treatment plants, and damages to water delivery infrastructure.

4.0 Mitigation Options and Strategies



The climate change modeling scenario indicates that the local climate in 2070 will be not only warmer but also wetter than the current climate. The 2021 GSP recommended that given the challenges presented by cumulative effects of growth and climate change, consideration should be given to projects that can increase storage and use of local surface water supplies. The District is addressing potential constraints on water supply through development of a portfolio of supplies, improvement of facilities (e.g., treatment plant expansion and groundwater banking), and through demand management such as the Water Shortage Contingency Plan described in the 2020 UWMP. The 2022 Master Plan Update summarized the success and necessary continuation of regional collaboration.

4.1. Regional Collaboration

There is a long history of regional collaboration in the SBUA to develop water and wastewater projects that serve the urban area, dating back to a Memorandum of Understanding (MOU) between the City of Hollister (City), San Benito County (County), and the District in 2004. The following sections detail the history of regional collaboration efforts.

4.1.1 2004 Memorandum of Understanding

The 2004 MOU was developed among the City, County, and the District and subsequently amended in 2008 to include the Sunnyslope County Water District (SSCWD). The 2004 MOU described the principles, objectives, and assumptions that formed the basis of the original water and wastewater master plan that was prepared 2008, focusing on the following goals:

- Improve municipal, industrial, and recycled water quality.
- Increase the reliability of the water supply.
- Coordinate infrastructure improvements for water and wastewater systems.
- Implement the goals of the Groundwater Management Plan.
- Integrate recommendations of the long-term wastewater management plans prepared by the City and SSCWD.

4.1.2 2009 Coordinated Water Supply and Treatment Plant

In 2009, the Coordinated Water Supply and Treatment Plan (Coordinated Plan) was prepared to refine water supply and treatment recommendations, including the following:

- Upgrade the existing Lessalt Water Treatment Plant (WTP) to address new water quality regulations.
- Construction of the new West Hills WTP to expand surface water treatment capacity to make use of imported CVP supplies, thereby improving municipal water quality and reducing the reliance on the local groundwater basin.
- Firm up the existing imported M&I CVP supply to increase water supply reliability.
- Further investigate a conjunctive-use project with local surface water supplies and groundwater in the North County area.



4.1.3 2014 Memorandum of Understanding

The 2014 MOU incorporated and updated the principles, objectives, and assumptions from the 2004 MOU, to facilitate and guide the update of the water and wastewater treatment plan to plan for future growth and new regulations. In addition, the following issues were identified for evaluation:

- Update water demand and wastewater flow projections.
- Review and evaluate previously identified long-term water supply options.
- Review drinking water goals for total dissolved solids (TDS) and hardness.
- Review goals for recycled-water TDS.
- Evaluate the need, timing, and estimated cost recommended facilities and activities.

The 2014 MOU also reaffirmed the institutional framework and responsibilities of the Governance and Management Committees, which represent each of the participating agencies in the MOU.

4.1.4 2017 Master Plan Update

The 2017 Master Plan Update presented water demand and wastewater flow projections through 2035 considering economic, climate, and water usage changes since the 2008 Master Plan. The 2017 Master Plan Update addressed the issues identified in the 2014 MOU and recommended the following supply augmentation and facility expansion projects:

- Further investigate local surface water supply and storage.
- ♦ Complete feasibility and environmental studies for the North Area Groundwater Project.
- Identify a location for a new well with wellhead treatment in the north part of the City's distribution system to provide high-quality drinking water and improve fire suppression flow.
- Expand the West Hills WTP to continue to improve the water quality of the municipal supply and to meet the demands of new connections.
- Connect City Wells Nos. 4 and 5 to the West Hills WTP transmission pipeline and construct the Crosstown Pipeline to extend the reach of high-quality water and address hexavalent chromium concerns.
- Add flow equalization at the City's WRF to improve recycled water production.
- Expand the recycled-water distribution system to new customers, as needed.

4.1.5 2021 Memorandum of Understanding

The 2021 MOU continues the institutional collaboration among the City, County, Sunnyslope, and the District, and adds the City of San Juan Bautista (SJB) as a partner in future master plan updates and facility planning.

In 2020, SJB was fined by the U.S. Environmental Protection Agency (EPA) for violating discharge limits at its wastewater facility. The violations were in part due to the wastewater influent being high in sodium, chlorides, and total dissolved solids (TDS) concentrations. Such



influent is a result of poor-quality water for domestic use. As part of the resolution, SJB evaluated options for higher-quality source water for its municipal customers and reached an agreement with the District to provide treated water from the West Hills WTP.

4.1.6 2022 Water Supply and Treatment Plan

Most recently, the MOU participants collaborated on the development of the 2022 Water Supply and Treatment Plan, with the following objectives:

- Increase dry-year water supply reliability, particularly for existing users.
- Provide continuous improvement toward achieving drinking water quality goals for hardness and TDS.
- Provide a reliable and sustainable water supply to respond to long-term growth needs.
- Coordinate with ongoing programs including the SGMA and the supply of treated surface water to SJB.
- Continue to address water needs through coordinated regional solutions.

4.2. Maintain Imported Water Supply

The water imported through the San Felipe Division of the CVP system is critical to the ongoing maintenance and long-term health of the groundwater basin. Prior to the completion of the San Felipe Division, groundwater pumping was the primary source of water for agricultural irrigation, which began in 1878. The nearly 90 years of groundwater pumping resulted in significant drawdown of groundwater levels, by as much as 180 feet in some areas of the basin. Today, approximately 20,000 AFY (J. Cattaneo, 2022) of imported water is necessary to maintain the groundwater basin in balance and avoid long-term draw downs and overdraft.

The District should continue to collaborate with the USBR to maintain and renew its CVP contract, which provides 43,800 AFY of contracted supply, of which 35,550 AFY is for agricultural use and 8,250 AFY is for M&I use. The current contract extends until 2027 and may be renewed thereafter. The District renegotiated its baseline for the M&I portion of the CVP contract in 2014, which set the historical use at the full M&I contract amount of 8,250 AFY. That is important relative to the USBR Shortage Policy, because the annual allocations are set at a percentage of the baseline amount, typically ranging from 50 to 100 percent of baseline.

Over the past decade, the District has had an ongoing practice of purchasing out-of-basin water supplies to supplement its imported CVP supplies. These purchases have totaled 13,550 AF over the period, or an average of 2,258 AFY which is used to augment the M&I supply, particularly in years with reduced CVP allocations. Purchases are made, when available and cost-effective, from a variety of sources including irrigation districts north of the Sacramento-San Joaquin River Delta, the San Joaquin River Exchange Contractors, and other sources. These purchases range from single-year (spot market) purchases to multi-year agreements (typically up to 5 years). The District should continue to explore and secure these additional sources of imported supplies, particularly when storage is available (e.g., San Justo Reservoir, San Luis Reservoir, groundwater basin percolation, or other future storage projects per next section).



4.3. Long-term Planning

The 2022 Master Plan Update projected that the annual water demand will increase from 5,560 acre-feet per year (AFY) to approximately 9,190 AFY by 2035 and to approximately 12,500 AFY by 2045, an increase of approximately 6,940 AFY. The plan evaluated a series of projects and programs that support securing water supply and storage. These projects were further assessed and prioritized, as summarized in Table 1. These recommendations include continuing ongoing programs and new projects requiring further investigation. All of the long-term water supply options should be retained as a menu of alternatives to contribute to a diverse water supply portfolio. Due to the inherent uncertainties in California water supply (drought, environmental constraints, regulations, etc.), it is prudent to maintain maximum flexibility in planning for long-term water supplies.

The water supply options in Table 1 provide "building blocks" to meet the need for high-quality water. For example, the proposed aquifer storage and recovery (ASR) Phase 1 project could provide enough supply to meet the 2030 high-quality water need. If the ASR Phase 1 project reveals that ASR is not viable, then the North Area Groundwater project could be accelerated to provide that same increment of new supply.

Table 1. 2022 Master Plan Update Recommended Projects

Description	Priority Level	Estimated Average Annual Supply (AFY)	Recommended Action
Surface Water			
B.F. Sisk Dam Raise	3	1,500	Collaborate with USBR; Secure Storage Volume of 5,000 AF
PREP	4	TBD	Evaluate Appropriate Level of Engagement due to High Costs
Local Surface Water Storage	Future	TBD	Further Investigation Required
Groundwater	5 (1) 1 (1)		
ASR	1	1,000–2,190	Conduct Pilot Study
North Area Groundwater	2	1,0002,000	Complete Feasibility and Environmental Studies
Ongoing Programs			
Water Conservation	1	-	Continue Existing Program
Imported Surface Water Transfers / Spot Market	1	As Needed	Continue Existing Program
Semitropic Water Bank	1	Drought Supply	Continue Existing Program
Local Wells for Large Landscape Areas	1		Continue Existing Program

4.4. Monitoring and Modeling

Key performance indicators (KPIs) should be monitored regularly to establish trends and refine the forecast for climate change impacts as well as additional mitigations (e.g., development of new sources of supply or storage) that may be needed. KPIs to track include:

Climate Data. Climate data are regularly compiled from DWR's California Irrigation Management Information System (CIMIS) and include total solar radiation, soil



temperature, air temperature/relative humidity, wind direction, wind speed, and precipitation. Two CIMIS stations are active in the area, both of which also measure evapotranspiration (ETo):

- > #126 San Benito, located at the SBCWD office on Mansfield Road with a record beginning in June 1994.
- ▶ #143, San Juan Valley, located at the San Juan Golf Course with a record beginning January 1998.
- Groundwater. As part of the Annual Groundwater Management Plan that the District prepares, groundwater levels, recharge, irrigation pumping, and other key metrics for the groundwater basin should continue to be monitored and tracked.
- Water Supply. The sources and quantity of water supply needed to meet the SBUA demand should be monitored and quantified on a monthly basis. Sources should include: imported CVP supply; local municipal groundwater; spot market water; and other sources of water that may be developed in the future. In addition, the District should track any CVP allocations that go unused, particularly in wet years.
- Water Demands. The potable water demand for the City, SSCWD, and SJB should be collected on a monthly basis and compared to projected water demands.
- Potable Water Quality. Key water quality metrics should continue to be tracked and monitored, including hardness, TDS, hexavalent chromium, and nitrate.
- Recycled Water Quality. Key water quality metrics should continue to be tracked and monitored for the wastewater effluent and recycled water, including specifically TDS.

The data described above should be reviewed periodically to evaluate trends, update models (e.g., groundwater model, water demand model, supply forecasts, etc.), and revisit risks, vulnerabilities, and mitigation strategies that may be needed.

4.5. Emergency Response Planning

The District, the City, and Sunnyslope have all passed ordinances or resolutions to address shortages in water supply. In addition, the Water Shortage Contingency Plan (WSCP) was updated in the recent 2020 UWMP. This Plan serves as a guide for adjusting supply and demand in response to a water shortage.

In response to the 2012-2016 drought, a new state mandate requires WSCPs to provide a more detailed analysis of supply and demand contingency actions and plan implementation. Additions to the 2020 WSCP include the documentation of plan procedures and implementation, standardization of water supply stages of action for the water supply plan, and quantification of contingency action effects on supply and demand.

The 2020 UWMP summarized that during a water shortage emergency, the agencies may choose to augment the water supply by increasing the proportion of groundwater in delivered water. Groundwater can make up for any decrease in CVP allocation during a drought. Local potable water is a blend of CVP water and groundwater, and the preferred ratio is established to meet aesthetic standards. The average proportion of the supply that is CVP water was



approximately 60 percent over the past five years. The proportion of groundwater can be temporarily increased if the CVP supply is limited or is insufficient to meet demand. Decreasing the proportion of potable water that is CVP is at the discretion of the agencies and may be enacted during stages 2 through 6. Augmenting the supply through increasing the proportion of groundwater in potable water is estimated to enhance the supply by up to 20 percent; however, it will result in higher hardness concentrations in the potable supply. Drought reserves in San Justo Reservoir can also augment supply during a water shortage emergency.

Hollister, Sunnyslope, and the District also have water shortage emergency response plans in place. Sunnyslope and the City have a general Emergency Disaster Response Plan as well as a Power Failure Emergency Response Plans. The plans include steps to be taken during and after a disaster and the use of the Standard Emergency Management System (SEMS). The District relies on their current Water User's Handbook and County emergency plans.

The 2020 UWMP mentions that under normal water supply conditions, potable water production values for Hollister and Sunnyslope are recorded daily and reported monthly. Water use will be monitored and analyzed through billing data. During a Stage 1, Stage 2, or Stage 3 water shortage, daily production figures will be reported to the Water Supervisor of each agency. The Supervisor will compare the weekly production to the target weekly production to verify that the reduction goal is being met. Weekly reports will be forwarded respectively to the General Manager of Sunnyslope, the Public Works Director at the City and to the Program Manager of the WRA. During a Stage 4, 5, or 6 water shortage, the daily production report will be provided to the General or City Manager of each agency. In Stages 1 through 6, monthly reports will be sent to the City Council and the Sunnyslope Board of Directors. If reduction goals are not met, the respective managers will notify the governing board of each agency that additional action is required. Once SJB is connected to the West Hills WTP, similar reporting mechanisms will be enacted.

5.0 Legislation

As described in the 2020 UWMP, Hollister, Sunnyslope, the District, and San Benito County have all established "No-Waste" ordinances, policies, and resolutions for their respective jurisdictions. The District has a Water Users Handbook that explains how each water user must take steps to control tailwater. If these policies are not followed, the District has the authority to discontinue service.

In addition to these existing ordinances, Emergency Water Conservation Regulations were passed in 2015 that added outdoor water restrictions. The Emergency regulations also added penalties for violating these restrictions including fines for repeated violations.

In accordance with Senate Bill 7, water suppliers must define a 10- or 15-year water use Base Period. This Base Period is used to calculate a Base Daily per Capita Water Use, which is the baseline for computation of required future reductions. Senate Bill 7 requires retailers to reduce per capita daily water use 10 percent by 2015 and 20 percent by 2020, as compared to Base Daily per Capita Water Use.



Water agencies must demonstrate compliance with their established water use target for the year 2020. Water use targets are calculated separately for Hollister and Sunnyslope and the associated information is provided by agency in the WUE portal to allow for each agency to have local control. Compliance is verified by DWR's review of the SB X7-7 Verification Form submitted with an agency's 2020 UWMP.

Based on estimated population (using the DWR population tool) and gross water use, the actual 2020 per capita daily water use was 114 gpcd and 119 gpcd, for Hollister and Sunnyslope, respectively. Both agencies not only met but exceeded their 2020 goals (119 gpcd and 135 gpcd, for Hollister and Sunnyslope respectively).

Assembly Bill 1668 and Senate Bill 606 built on California's efforts to make water conservation a way of life and created a new foundation for long-term improvements in water conservation and drought planning. Assembly Bill 1668 and Senate Bill 606 established guidelines for efficient water use and a framework for implementing and overseeing the new standards, which must be in place by 2022. The two bills strengthen the state's water resiliency in the face of future droughts with provisions that include the following:

- Establishing water use objectives and long-term standards for efficient water use that apply to urban retail water suppliers
- Providing incentives for water suppliers to recycle water
- Identifying small water suppliers and rural communities that might be at risk of drought and water shortage vulnerability and providing recommendations for drought planning
- Requiring both urban and agricultural water suppliers to set annual water budgets and prepare for drought

6.0 Community Engagement

The 2020 UWMP summarized that the Water Resources Association of San Benito County (WRA) already has water conservation programs to encourage drought tolerant landscaping, improve efficient irrigation practices, and reduce water waste and these programs have and will continue to reduce potential impacts from climate change.

Public outreach is central to the SBUA water conservation efforts. The 2020 UWMP summarizes that ongoing activities were ramped up in response to the State mandated water conservation in recent droughts. Specific activities include:

- Newsletter articles on conservation.
- Flyers and/or brochures, bill stuffers, messages printed on bill, information packets.
- Development and update of a website with resources for water conservation: www.wrasbc.org.The website provides details about ongoing water conservation programs and has three different water wise landscape plans available for download. Last updated in December 2020.
- Booths at Children's Festivals and Farmer's Market.



- Engagement with the community through responsiveness to emailed questions and concerns.
- Water Awareness Festival in May.

The full-time water conservation coordinator records the number and type of outreach activities. Newsletters are sent with water bills and are estimated to reach 40,000 people per year. Booths at festivals reached over 4,650 people in the last five years. Other outreach includes the website and email communication which reached about 800 people since 2016.

While there is no direct way to quantify public outreach, it is the foundation for all other programs. With methods to advertise and connect customers to other programs and information, all other demand management measures would be less effective. In addition, the expanded public outreach in response to the drought shows a direct connect between increased public outreach and decreased water use.

Public outreach and education, coupled with demand reduction programming like rebates and home surveys, can decrease long-term demand, increase reliability, and minimize the need to import water from other regions.

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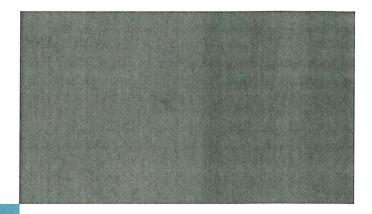
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C

Appendix C

Summary of the
Accelerated Drought
Response Project (ADRoP)
Technical Memorandum



Technical Memorandum

Date:

October 25, 2022

Prepared By:

Sifang Shan

Reviewed By:

Holly Kennedy

Subject:

Summary of the Accelerated Drought Response Project (ADRoP)

Background

San Benito County Water District (SBCWD) has a contract with the United States Bureau of Reclamation (USBR) to import surface water for agricultural (Ag) and municipal/industrial (M&I) uses to its service area via the Central Valley Project (CVP), a system of reservoirs, canals and pumping stations. SBCWD's contract with USBR is for a total supply of 43,800 acre-feet per year (AFY), of which 35,550 AFY is for Ag use and 8,250 AFY is for M&I use. The USBR establishes allocations on an annual basis depending on hydrologic conditions in the state. Once imported, the M&I supply is treated at local surface water treatment plants and delivered to the City of Hollister (COH) and Sunnyslope County Water District (Sunnyslope), where the water is blended with groundwater from municipal wells to improve water quality in the municipal drinking water system. SBCWD will also begin delivering treated surface water to the City of San Juan Bautista (San Juan Bautista) in 2025.

The 2022 Water Supply and Treatment Plan Update (2022 Plan) evaluated the reliability of the existing CVP supply and concluded that although the supply is sufficient to meet M&I demands in wet and normal years, during dry years, there is a supply deficit for existing users. Moreover, the 2022 Plan noted that in approximately 25 percent of years (wet and above normal years), there is approximately 6,000 AFY of excess CVP supply that goes unused. As a result, the 2022 Plan evaluated various water supply alternatives to increase the resiliency of the water supply, with many alternatives designed to provide storage of water available in wet years for later use during dry years. The highest-ranking alternative in the 2022 Plan is Aquifer Storage and Recovery (ASR), which would create the ability to capture excess CVP water in wet years and later extract that water for use during drought years.

In addition to reduced imported supply quantity during dry years, when the CVP allocations are curtailed, local groundwater is pumped from municipal wells owned by the City, Sunnyslope, and San Juan Bautista. The local groundwater has higher levels of hardness, salts, and elevated levels of hexavalent chromium and, in some cases, nitrate. As a result,



the delivered water quality is also impacted during dry years, when the allocations are reduced and a greater portion of the demand is met with groundwater. The ASR project will address this as well, as the project is expected to deliver a water quality similar to that of the imported supply (although some mixing with native groundwater could occur).

The overall ASR project has the capacity to inject and store 6,000 AF of water. The ASR project consists of eleven ASR wells, expansion of the West Hills Water Treatment Plant (WHWTP), a new dedicated water treatment plant and associated transmission and conveyance pipelines. The overall project cost is itemized in Appendix A. As described in the 2022 Plan, the ASR project was envisioned to be constructed in three phases. The first phase would rely on potable water from the City's distribution system (a blend of treated surface water and groundwater) for injection into the groundwater basin at one well. The second phase would include five additional wells and a dedicated water treatment plant to treat the imported surface water prior to injection. The third phase would include six additional wells and an expansion of the dedicated water treatment plant.

Due to the ongoing drought, the ASR project has been re-envisioned to facilitate greater storage on an accelerated timeline. This accelerated project is the subject of this memorandum and described further below.

Project Description

The Accelerated Drought Response Project (ADRoP) is an ASR project that will store treated excess CVP water via ASR wells and extract the stored water from the same wells with wellhead treatment, such as disinfection, during drought periods. ADRoP can store between 1,600 acre-feet-per-year (AFY) and 2,700 AFY of excess CVP surface water in wet years and generate an average annual yield of 650 AF to 1,035 AF¹. The project components consist of three to five ASR wells, the expansion of the existing West Hills Water Treatment Plant (WHWTP), and associated transmission pipelines. The wells are spaced to allow for efficient injection, the WHWTP is expanded to treat excess CVP water to be injected into the ASR wells, and the pipelines are sized to convey the injection and extracted water as well as to remove hydraulic bottlenecks in the existing COH distribution system. Figure 1 presents the study area, including the locations of cities and Disadvantaged Communities (DACs) that will benefit from ADRoP.

Figure 2 demonstrates the major project components of ADRoP and their general locations around the City of Hollister.

¹ Average annual yield is calculated for a cycle of wet, normal, and dry years of frequency of 30%, 35% and 35%, respectively.

Accelerated Drought Response Project



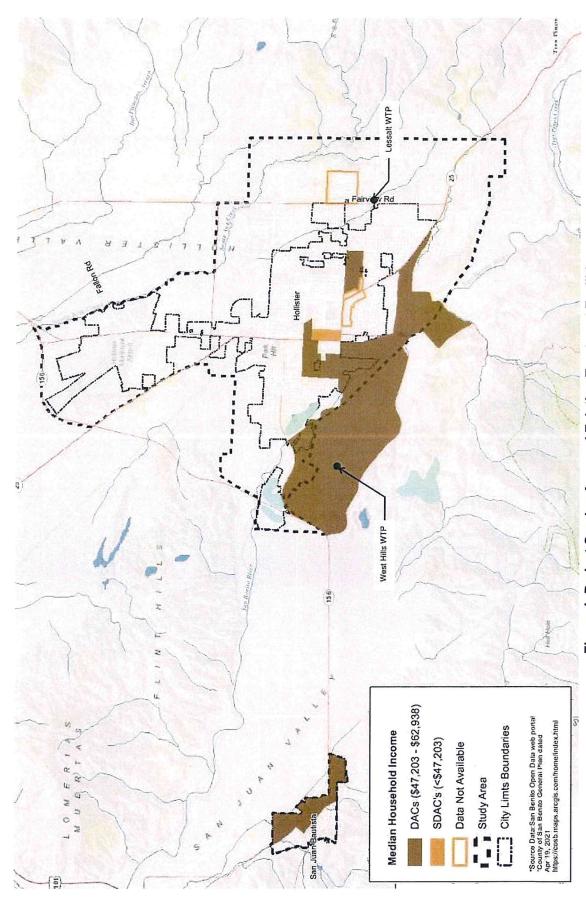


Figure 1. Project Service Area and Existing Treatment Facilities.



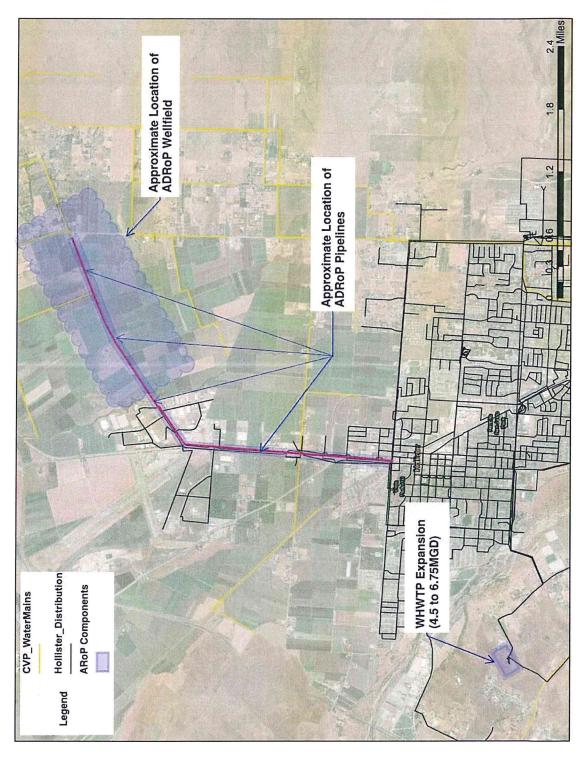


Figure 2. Major Project Components and Their Locations



Table 1 summarizes the design criteria of the major project components for the ADRoP.

Table 1. Preliminary Project Component Design Criteria

Element	Unit	ADRoP
Injection Wells		2.07.75 (1) (4) (4) (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Total Number	-	3 - 5
Max Injection Capacity (Each)	GPM	500
Max Extraction Capacity (Each)	GPM	1,000
WHWTP Expansion		
Total Flowrate	MGD	2.25
Wellfield Transmission		
Pipelines		
Diameter	Inches	16 - 18
Length	Miles	0.6 - 1.2
Distribution Transmission		
Pipeline		
Diameter	Inches	18
Length	Miles	0.75
Parallel Distribution Pipeline		
Diameter	Inches	12
Length	Miles	2.5

Project Cost Summary

Table 2 summarizes the capital and operation and maintenance (O&M) costs for the ADRoP project versus the overall ASR project.

Table 2. Summary of Estimated Capital Cost

	Capital Cost ⁽¹⁾	Capacity (AF)	Capital Cost/AF	Annual O&M Cost ⁽²⁾	Total Present Worth Lifecycle Cost ⁽²⁾
3 Wells	\$32,400,000	1,600	\$20,300	\$1,457,000	\$59,200,000
5 Wells	\$40,100,000	2,700	\$14,900	\$2,448,000	\$85,200,000
ASR Total	\$105,400,000	6,000	\$17,500	\$5,433,000	\$205,400,000
Notes:					

⁽¹⁾ Capital costs are itemized in Appendix A.

⁽²⁾ Annual O&M cost and lifecycle cost calculations are presented in Appendix B.



Table 3 presents the cost per acre foot per year, referred to as the yield cost.

Table 3. Summary of Estimated Yield Cost

	Annual Capital Cost ⁽¹⁾	Annual O&M Cost	Total Annual Cost	Estimated Annual Yield (AFY)	Yield Cost/AFY
3 Wells	\$1,762,000	\$1,457,000	\$3,213,000	650	\$4,960
5 Wells	\$2,180,000	\$2,448,000	\$4,623,000	1,035	\$4,480
ASR Total	\$5,731,000	\$5,433,000	\$11,164,000	2,190	\$5,100

⁽¹⁾ Capital cost is annualized with a 3.5% interest rate over 30 years of lifespan.

Project Benefits

Multiple benefits will be provided with the implementation of ADRoP, including enhanced reliability of water supply, improved water quality, and environmental and social benefits. Each of these is further described below.

Water Supply

The Project will capture and store excess CVP water in wet years to reduce dependencies on native groundwater or CVP spot market purchases in dry years. The Project facilities will be designed to store up to 2,700 AFY of high-quality, imported surface water in wet years, therefore optimizing the use of imported supplies in wet years and groundwater storage and maximizing conjunctive use for the region. The DACs in the area have traditionally relied on groundwater production for the majority of their demands, especially in the City of San Juan Bautista. The project will improve the reliable delivery of a high quality drinking water in dry years.

Water Quality

The Project will not only help SBCWD meet drought demands, but also improve drought water quality due to ability to recover high quality ASR water in dry years. The native groundwater is high in hardness, TDS, nitrate and/or Chromium VI. The most recent concentration of Chromium VI in City of Hollister production wells was 12.25 μ g/L. Through blending with ASR water via existing and new infrastructure, the system-wide concentration of these constituents will drop significantly. Assuming the water supply is blended with 70 percent CVP water, the resulting concentration would be approximately 3.675 μ g/L. Chromium VI. In addition, the project will benefit DAC water quality needs. The DACs in the area have traditionally relied on groundwater production for the majority of their demands, especially in the City of San Juan Bautista.



Environmental and Social Benefits

The Hollister service area has several DAC areas in the southern parts of the city, and the City of San Juan Bautista has DACs in the northern and western area. These areas have traditionally been heavily dependent on groundwater production. The local groundwater is high in hardness, TDS, nitrate (in San Juan Bautista wells) and Chromium VI (in Hollister wells). The storage and recovery process will not only provide these areas with higher quality water during droughts, but also improve basin health through reduced pumping of native groundwater. The reduced groundwater pumping and improved basin health will also benefit local agricultural communities.

Project Schedule

As previously described, the original ASR concept described in the 2022 Plan was reconfigured to accelerate the timeline of the project. ADRoP relies on an expansion of the WHWTP as opposed to a new water treatment plant. This change facilitates significant schedule savings, resulting in a completed project in early 2026. The detailed project scheduled is included in Appendix C.

Appendix A

	,				
	Unit	Unit Cost Oct 22	Quantity	Subtotal	Notes
ASR Wells (3 x 500 apm)				\$4.400.000	
Sitework	rs	\$82.515	8	\$247.546	\$247 546 1 Wellsite
Deep Well with 12" Casing	VLF	\$660	2,400	\$1.584,293	\$1.584.293 800' Depth for Each Well
ASR Well Pumps	EA	\$77,014		\$231,043	
ASR Well Pump VFD	EA	\$33,006	က	\$99,018	
Prefabricated Enclosure	rs	\$132,024	8	\$396,073	
Down-Hole Control Valve	EA	\$110,020	8	\$330,061	
Wellhead Disinfection	rs	\$200,000	8	\$600,000	
Onsite Piping, Valves and Appurtenances	rs	\$220,041	8	\$660,122	
	rs	\$243,267	-	\$243.267	3% of Civil and Mechanical
Instrumentation	rs	\$162,178	-	\$97,307	
Transmission and Distribution Pipeline				\$3,710,000	
Wellfield Transmission Pipe (Well 2&3)	ե	\$170	1,600	\$272,427	\$272,427 16" HDPE
Wellfield Transmission Pipe (Well 1&2)	Ħ	\$192	1,610	\$308,396	\$308,396 18" HDPE
Distribution Pipe to Hollister System	님	\$192	4,000	\$766,202	\$766,202 18" HDPE
Parallel Distribution Pipe along San Felipe Rd	Ē	\$128	13,000	\$1,660,104 12" HDPE	12" HDPE
Connection to Existing Systems	S	\$110,020	8	\$330,061	
Misc Valves, Fittings and Appurtenances	rs	\$121,022	3	\$363,067	
CONTRACTOR OF STATE O					Quantity is adjusted to describe expansion to
				\$1,095,547	\$7,095,547 6.75MGD as opposed to 9MGD
Site CIVII	S .	\$163,775	0.5	\$81,887	
Actino Carb	S]	\$3,041,534	1.0	\$3,041,534	Actiflo Carb only comes in 4.5MGD modules
Gravity Filters	LS	\$3,217,007	0.5	\$1,608,503	
Clearwell	rs	\$1,754,731	0.5	\$877,366	
Chemical Feed/Storage Equipment	rs	\$244,493	0.5	\$122,246	
Drying Beds	rs	\$409,437	0.5	\$204,719	
Yard Piping	LS	\$463,249	0.5	\$231,624	
Electrical	LS	\$1,392,087	0.5	\$696,043	
Instrumentation	rs	\$463,249		\$231,624	
Subtotal Capital Cost				\$15,300,000	
Contractor OH&P	12%			\$1,836,000	
General Conditions	%9			\$918,000	
Mobilization, Bonds & Insurance	%9			\$918,000	
Subtotal				\$18,972,000	
Contingency	30%			\$5,691,600	
Subtotal w/Contingency				\$24,663,600	
Engineering, Permitting, Admin & CM	30%			\$7,400,000	
Land Acquisition	ST	100,000	0.7	\$100.000	Assuming 0.23AF per well. Unit cost is based on \$100,000 Redfin sales data
ROW	FI	20	7,210	\$141,234	\$141,234 Only pipes along Fallon Rd
Total Conceptual Capital Cost			\$32,400,000	000'00	
High End of Range		20%	\$48,60	\$48,600,000	

(1) Unit Costs of well construction are esclated based on cost estimates enclosed in the Draft Evaluation of Water Supply and Storage Alternatives submitted in July 2021. July 2021 ENR CCI is 13762 and October 2022 CCI is 15141 for San Francisco Bay Area.

(2) Unit Costs of pipelines are esclated based on cost estimates enclosed in the final Groundwater Recharge Alternatives Facility Plan submitted in January 2022. Decemebr 2021 (time of estimate) ENR CCI is 14228 and October 2022 CCI is 15141 for San Francisco Bay Area.

(3) Unit Costs of treatment plant are adjusted based on cost estimates completed for the Final Draft San Benito Urban Areas Water Supply and Treatment Master Plan Update submitted in June 2022. Januray 2022 (time of estimate) ENR CCI is 14301 and October 2022 CCI is 15141 for San Francisco Bay Area.

	Unit	Unit Cost Oct 22	Quantity	Subtotal	Notes
ASR Wells (5 x 500 gpm)				\$7,590,000	Q
Sitework	rs	\$82,515	5	\$412,576	\$412,576 1 Wellsite
Deep Well with 12" Casing	VLF	\$660	4,000	\$2,640,488	\$2,640,488 800' Depth for Each Well
ASR Well Pumps	EA	\$77,014	5	\$385,071	
ASR Well Pump VFD	EA	\$33,006	5	\$165,031	
Prefabricated Enclosure	rs	\$132,024	5	\$660,122	2
Down-Hole Control Valve	EA	\$110,020	S	\$550,102	2
Wellhead Disinfection	ST	\$200,000	5	\$1,000,000	
Onsite Piping, Valves and Appurtenances	rs	\$220,041	5	\$1,100,203	3
Electrical	rs	\$405,444	-	\$405.444	\$405,444 3% of Civil and Mechanical
Instrumentation	LS	\$270,296	-	\$270,296	\$270,296 2% of Civil and Mechanical
Transmission and Distribution Pipeline				\$4,220,000	0
Wellfield Transmission Pipe (Well 2&3)	FT	\$170	1,600	\$272,427	\$272,427 16" HDPE
Wellfield Transmission Pipe (Well 3&4)	FT	\$170	1,500	\$255,401	\$255,401 16" HDPE
Wellfield Transmission Pipe (Well 4&5)	FT	\$170	1,500	\$255,401	\$255,401 16" HDPE
Wellfield Transmission Pipe (Well 1&2)	F	\$192	1,610	\$308.396	\$308,396 18" HDPE
Distribution Pipe to Hollister System	Ŀ	\$192	4,000	\$766.202	\$766.202 18" HDPE
Parallel Distribution Pipe along San Felipe Rd	ㅂ	\$128	13,000	\$1,660,104	\$1.660,104 12" HDPE
Connection to Existing Systems	rs	\$110,020	8	\$330,061	
Misc Valves, Fittings and Appurtenances	LS	\$121,022	3	\$363,067	2
					Quantity is adjusted to describe expansion to
WHWTP Expansion (4.5 to 6.75 MGD)		_		\$7,095,547	7 6.75MGD as opposed to 9MGD
Site Civil	LS	\$163,775	0.5	\$81,887	
Actiflo Carb	LS	\$3,041,534	1.0	\$3,041,534	Actiflo Carb only comes in 4.5MGD modules
Gravity Filters	LS	\$3,217,007	0.5	\$1,608,503	
Clearwell	LS	\$1,754,731	0.5	\$877,366	
Chemical Feed/Storage Equipment	ST	\$244,493	0.5	\$122,246	
Drying Beds	rs	\$409,437	0.5	\$204,719	
Yard Piping	rs	\$463,249	0.5	\$231,624	
Electrical	rs	\$1,392,087	0.5	\$696,043	
Instrumentation	rs	\$463,249	0.5	\$231,624	
Subtotal Capital Cost				\$18,910,000	
Contractor OH&P	12%			\$2,269,200	
General Conditions	%9			\$1,134,600	
Mobilization, Bonds & Insurance	%9			\$1,134,600	
Subtotal		Oliver and the second s		\$23,448,400	6
Contingency	30%			\$7.034.600	
Subtotal w/Contingency				\$30,483,000	0
Engineering, Permitting, Admin & CM	30%			\$9,145,000	0
and Acquisition	rs	100,000	1.2	\$200,000	Assuming 0.23AF per well. Unit cost is based on \$200,000 [Redfin sales data
ROW	FT	20	10,210	\$200,000	\$200,000 Only pipes along Fallon Rd
otal Conceptual Capital Cost			\$40,100,000	000'00	
High End of Range		20%	\$60,150,000	0000	

(1) Unit Costs of well construction are esclated based on cost estimates enclosed in the Draft Evaluation of Water Supply and Storage Alternatives submitted in July 2021. July 2021 ENR CCI is 13762 and October 2022 CCI is 15141 for San Francisco Bay Area.

(2) Unit Costs of pipelines are esclated based on cost estimates enclosed in the final Groundwater Recharge Alternatives Facility Plan submitted in January 2022. Decemebr 2021 (time of estimate) ENR CCI is 14228 and October 2022 CCI is 15141 for San Francisco Bay Area.

(3) Unit Costs of treatment plant are adjusted based on cost estimates completed for the Final Draft San Benito Urban Areas Water Supply and Treatment Master Plan Update submitted in June 2022. January 2022 (time of estimate) ENR CCI is 14301 and October 2022 CCI is 15141 for San Francisco Bay Area.

10/26/2022

ASR Wells (11 x 500 apm)	Unit	Unit Cost Oct 22	Ousmitte	D. L. L. A	Notes
ASR Wells (11 x 500 apm)			Squanney	Subtotal	Notes
ASR Wells (11 x 500 apm)					
\				\$16,440,000	
Sitework	ST	\$90,767	11	\$998,435 1 Wellsite	lsite
Deep Well with 12" Casing	VLF	\$726	8,800	\$6,389,982 800'	800' Depth for Each Well
ASR Well Pumps	EA	\$84,716	11	\$931,872	
ASR Well Pump VFD	EA	\$36,307	11	\$399,374	
Prefabricated Enclosure	rs	\$198,037	11	\$2,178,403	
Down-Hole Control Valve	EA	\$121,022	11	\$1,331,246	
Onsite Piping, Valves and Appurtenances	ST	\$242,045	11	\$2,662,492	
Electrical	ST	\$926,003	-	\$926,003 3% of	\$926,003 3% of Civil and Mechanical
Instrumentation	rs	\$617,335	-	\$617,335 2% of	\$617,335 2% of Civil and Mechanical
Transmission and Distribution Pipeline				\$7,410,000	
CVP Diversion Pipe to WTP	FT	\$253	3,120	\$789,506 20" HDPE	DPE
New WTP Inflinent and Effluent Pipes	FT	\$192	5,460	\$1,045,866 18" HDPE	DPE
Wellfield Transmission Pipe (Well 1&2)	FT	\$192	1,610	\$308,396 18" HDPE	DPE
Wellfield Transmission Pipe (Well 2&3)	FT	\$170	1,600	\$272,427 16" HDPE	DPE
Wellfield Transmission Pipe (Well 3&4)	Ħ	\$170	1,500	\$255,401 16" HDPE	DPE
Wellfield Transmission Pipe (Well 4&5)	Ħ	\$170	1,500	\$255,401 16" HDPE	DPE
Wellfield Transmission Pipe (Well 5&6)	F	\$170	1,600	\$272,427 16" HDPE	DPE
Wellfield Transmission Pipe (Well 6&7)	ᆫ	\$132	1,500	\$198,037 12" HDPE	DPE
Wellfield Transmission Pipe (Well 8&9)	Ŀ	\$132	1,940	\$256,127 12" HDPE	DPE
Wellfield Transmission Pipe (Well 9&10)	F	\$170	2,360	\$401,830 16" HDPE	DPE
Wellfield Transmission Pipe (Well 10&11)	F	\$132	1,750	\$231,043 12" HDPE	DPE
Distribution Pipe to Hollister System	Ħ	\$192	4,000	\$766,202 18" HDPE	DPE
Parallel Distribution Pipe along San Felipe Rd	FT	\$128	13,000	\$1,660,104 12" HDPE	DPE
Connection to Existing Systems	LS	\$110,020	3	\$330,061	
Misc Valves, Fittings and Appurtenances	LS	\$121,022	3	\$363,067	
Concentrate Management				\$1,160,000	
Concentrate to Hollister Conduit Pipe	F	\$121	9,510	\$1,150,923 6" HDPE)PE
New Water Treatment Plant (5.5 MGD)				\$17,560,000	
Influent Flow Control	EA	\$60,511	2.0	\$121,022	
MF Feed Pumps	EA	\$48,409	3.5	\$169,431	
Microfiltration Membranes Skids	MGD	\$568,805	5.5	\$3,128,429	
Nanofiltration Membrane Skids	MGD	\$896,776	2.8		50% Bypass to NF during Injection
NF Feed Pumps	EA	\$84,716	4.4	\$372,749	
Membrane Reject Pumps and Storage Tanks	ST	\$363,067	2.2	\$798,748	
Clearwell Steel Tank	EA	\$242,045	1.0	\$242,045	
Finished Water Pumping Station	rs	\$363,067	2.2	\$798,748	
Chemical Processes	rs	\$484,090	2.0	\$968,179	
Solids Drying Beds	rs	\$423,578	2.0	\$847,157	
Plate Settler Sedimentation Basin for Solids	rs	\$242,045	2.0	\$484,090	
Admin/Chemical/Treatment Building	SF	\$242	8,000	\$1,936,358	

ASR Cost Estimate

Sitework and Access Roads	ST	\$242,045	2.0	\$484,090	
Onsite Piping, Valves and Appurtenances	ST	\$968,179	1.8	\$1,694,313	
Electrical	ST	\$1,159,842	1.5	\$1,739,762	
Instrumentation and Controls	ST	\$749,265	1.5	\$1,123,898	
Low Head Concentrate Pumps	EA	\$33,006	4.0	\$132,024	
WHWTP Expansion (4.5 to 6.75 MGD)				\$7,095,547	Quantity is adjusted to describe expansion to \$7,095,547 6.75MGD as opposed to 9MGD
Site Civil	ST	\$163,775	0.5	\$81,887	•
Actiflo Carb	rs	\$3,041,534	1.0	\$3,041,534	Actiflo Carb only comes in 4.5MGD modules
Gravity Filters	ST	\$3,217,007	0.5		
Clearwell	rs	\$1,754,731	0.5	\$877,366	
Chemical Feed/Storage Equipment	ST	\$244,493	0.5	\$122,246	
Drying Beds	ST	\$409,437	0.5	\$204,719	
Yard Piping	ST	\$463,249	0.5	\$231,624	
Electrical	ST	\$1,392,087	0.5	\$696,043	
Instrumentation	ST	\$463,249	0.5	\$231,624	
Subtotal Capital Cost				\$49,670,000	
Contractor OH&P	12%			\$5,960,400	
General Conditions	%9			\$2,980,200	
Mobilization, Bonds & Insurance	%9			\$2,980,200	
Subtotal				\$61,590,800	
Contingency	30%			\$18,477,300	
Subtotal w/Contingency				\$80,068,100	
Engineering, Permitting, Admin & CM	30%			\$24,021,000	
Land Acquisition	<u>«</u>	100 000	ď	\$700,000	Assuming 0.23AF per well and 3.5AF for the new
ROW		20	28.870	\$600,000	\$600 000 Only nines among wells and to Distribution
Total Conceptual Capital Cost			\$105,400,000	000'00	Towns and the second se
High End of Range		20%	\$158,100,000	000'00	
Low End of Range		-25%	\$79,050,000	0.000	

(1) Unit Costs of well construction are esclated based on cost estimates enclosed in the Draft Evaluation of Water Supply and Storage Alternatives submitted in July 2021. July 2021 ENR CCI is 13762 and October 2022 CCI is 15141 for San Francisco Bay Area.

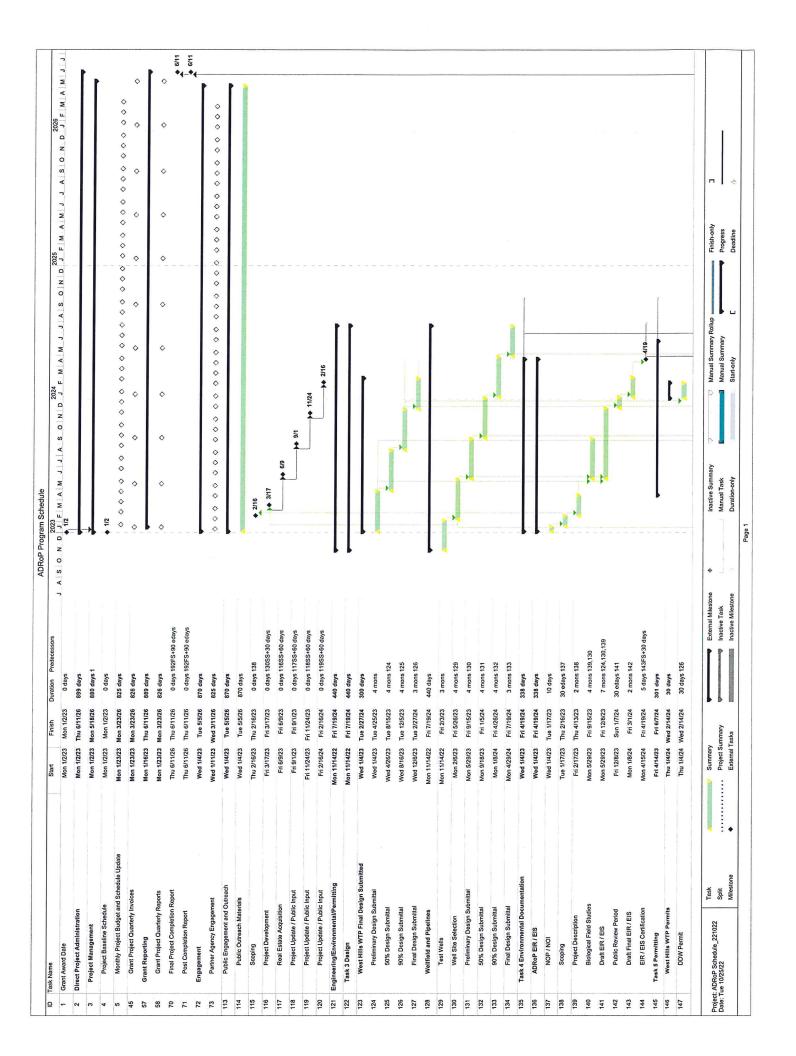
(2) Unit Costs of pipelines are esclated based on cost estimates enclosed in the final Groundwater Recharge Alternatives Facility Plan submitted in January 2022. Decemebr 2021 (time of estimate) ENR CCI is 15141 for San Francisco Bay Area.

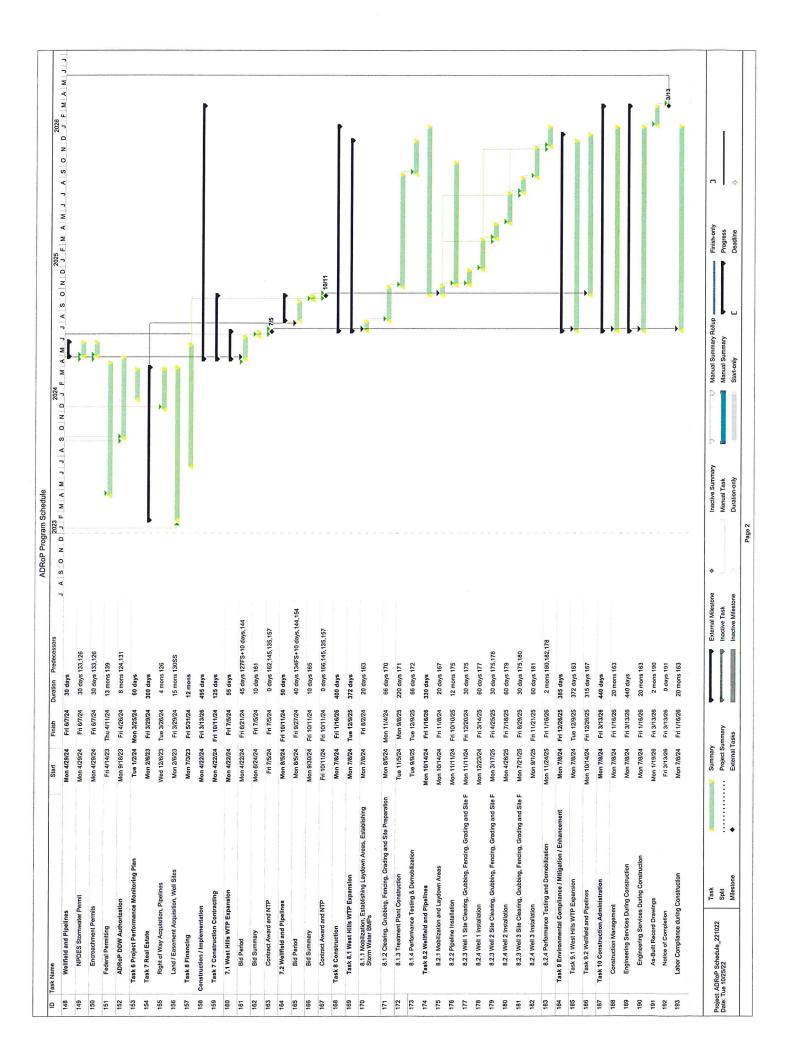
(3) Unit Costs of treatment plant are adjusted based on cost estimates completed for the Final Draft San Benito Urban Areas Water Supply and Treatment Master Plan Update submitted in June 2022. Januray 2022 (time of estimate) ENR CCI is 14301 and October 2022 CCI is 15141 for San Francisco Bay Area.

Appendix B

Lifecycle Cost Calculations						
Construction Cost (w/o WTP) O&M Cost Factor Total Annual O&M Cost P/A Factor for 30 Years @ 3.5% Interest Rate Total Lifecycle O&M Cost Water to be Treated Per Year			ADRoP 3 Wells \$8,200,000 0.50% \$41,000 18.4 \$754,400 1,600	\$ 11,810,000 \$ 0.50% \$59,050 \$1,086,520 2,700	Overall ASR \$ 25,010,000 0.50% \$125,050 18.4 \$2,300,920 6,000	Notes
WTP Treatment Cost/AF Water Treatment Yearly O&M Cost Water Treatment Lifecycle O&M Cost Water Purchase for Blending Water Purchase Lifecycle Cost Total Lifecycle O&M Cost (30 Years) Capital Cost Total Lifecycle Cost			\$885 \$1,415,302 \$26,041,552 \$0 \$0 \$26,800,000 \$32,400,000 \$59,200,000	\$885 \$2,388,322 \$43,945,119 \$0 \$45,100,000 \$40,100,000 \$85,200,000	Used La CVP We \$885 Escalate \$5,307,381 CVP We \$97,655,819 \$0 \$100,000,000 \$105,400,000 \$205,400,000	Used Lassalt WTP operation cost data and CVP Wate fixed costs from July 2021. Escalated to October 2022 using ENR CCIs CVP Water Fixed Costs/AF \$404 LSWTP Costs/AF \$400
Capacity Calculations Injection Capacity (AF) To Dist System (AF) To Wells (AF)	3 Wells 1,600 -	5 Wells 2,700 - 2,700	Overall ASR 6000 - 6,000			
Yield Calculations Wet Year Frequency Normal Year Freq Dry Year		30% 35% 35%				
Wet Year (AF, for demand or fireflow) Normal Year (AF) Dry Year (AF) Average Annual Yield	300 - 1,600 650	300 - 2,700 1,035	300 6,000 2,190			

Appendix C







MEMORANDUM OF UNDERSTANDING

SAN BENITO COUNTY URBAN AREA WATER SUPPLY MASTER PLAN

This Memorandum of Understanding (MOU) is effective upon execution by all parties by and among the CITY OF HOLLISTER (CITY), the CITY OF SAN JUAN BAUTISTA (SJB), SAN BENITO COUNTY (COUNTY), SAN BENITO COUNTY WATER DISTRICT (SBCWD), and SUNNYSLOPE COUNTY WATER DISTRICT (SSCWD), hereinafter called the Parties.

RECITALS

WHEREAS, California Government Code Section 6502, authorizes public entities, including cities, counties, and special districts to enter into agreements for their mutual benefit; and

WHEREAS, The Parties have compelling and mutual interest in developing and implementing the WATER SUPPLY MASTER PLAN; and

WHEREAS, The Parties want to ensure cooperation and mutual support for successful and cost-effective development and implementation of the WATER SUPPLY MASTER PLAN and future water projects in San Benito County; and

WHEREAS, The Parties understand and agree, SBCWD will continue to be the lead agency responsible for providing water supply to meet urban demands into the future; and

WHEREAS, The Parties agree that nothing in the Hollister Urban Area Water Supply and Treatment Agreement or the Agreement for Water Treatment Operations and Maintenance shall be superseded or modified unless specifically agreed upon by the Parties to the respective agreement.

NOW, THEREFORE, BE IT UNDERSTOOD AND AGREED by the Parties as follows:

1. BACKGROUND

The Hollister Urban Area Water and Wastewater Master Plan (MASTER PLAN) was completed in 2008 and updated in 2017. The MASTER PLAN provides a long-term vision for water, wastewater, and recycled water management actions and infrastructure improvements to improve water quality and reliability.

Following recommendations of the MASTER PLAN, local agencies have collaborated to successfully implement the following projects and related institutional agreements:

- COH Water Reclamation Facility.
- Water Recycling Project.

- SSCWD Ridgemark Wastewater Treatment Improvements.
- COH, SSCWD, and SBCWD Hollister Urban Area Water Supply and Treatment Agreement.
- SSCWD and SBCWD Agreement for Water Treatment Operation and Maintenance Services.
- SBCWD Improvements to the Lessalt Water Treatment Plant to serve the COH and SSCWD.
- SBCWD Construction of the West Hills Water Treatment Plant to serve the COH and SSCWD.
- SSCWD and COH Construction of the Crosstown Pipeline.

The MASTER PLAN also identified the need for the agencies to begin preliminary work for the development of additional long-term water supplies to serve projected growth in the Hollister Urban Area and to provide additional dry year water supply reliability. SBCWD has completed an evaluation of water supply and storage alternatives including local options and participation with Valley Water in the proposed Pacheco Reservoir Expansion Project (PREP).

An update to the MASTER PLAN is required at this time to confirm water demand forecasts, identify the preferred long-term water supply option, and incorporate SJB into the urban water supply program. The current severe drought has also increased the need for improved dry year supply reliability. Finally, significant opportunities are anticipated for grant funding for water projects in 2022. A coordinated regional plan and approach will be necessary to position for these potential funding sources.

The initial emphasis for the MASTER PLAN update shall be on the water supply component. Once the COH General Plan Update is complete and LAFCO issues related to wastewater service are resolved, the wastewater component of the Master Plan update may be addressed. The initial work shall be referred to as the WATER SUPPLY MASTER PLAN UPDATE.

2. OBJECTIVES

The WATER SUPPLY MASTER PLAN UPDATE shall address the following objectives:

- 2.1 Provide continuous improvement towards achieving drinking water and recycled water quality goals.
- 2.2 Continue efforts to identify and implement water supply options to increase dry year water supply reliability.
- 2.3 Provide reliable and sustainable water supply to respond to long-term growth needs.
- 2.4 Coordinate with ongoing programs including SGMA, the Managed Aquifer Recharge (MAR) project, and supply of treated surface water to SJB.
- 2.5 Continue to address water supply needs through coordinated regional solutions.

3. GOVERNANCE COMMITTEE

The Governance Committee shall be an advisory committee convened to receive status reports and provide input to the WATER SUPPLY MASTER PLAN UPDATE. The Governance Committee shall consist of two (2) elected officials from each Party. The Governance Committee shall meet no less than quarterly to review the WATER SUPPLY MASTER PLAN UPDATE status. Regular, adjourned, and special meetings shall be called and held in the manner as provided in Chapter 9 of Division 2, Title 5 of Government Code of the State of California, "The Brown Act", commencing at Government Code Section 54950.

4. MANAGEMENT COMMITTEE

The Management Committee shall provide oversight of the MASTER PLAN UPDATE including technical review of work products and monitoring of schedule and budget. Each Party shall have one (1) agency staff representative on the Management Committee. The Management Committee shall establish the means for decision-making and resolution of any and all disputes.

5. ADMINISTRATION

SBCWD shall manage consultant contracts, manage day-to-day activities, schedule meetings, review and approve invoices, and take action on the WATER SUPPLY MASTER PLAN UPDATE. SBCWD shall prepare, maintain and preserve all reports and records that may be required by federal, State, and local rules and regulations relating to services performed under this MOU.

6. BUDGET AND FINANCING

As the lead agency responsible for water supply, SBCWD shall contract for the work and fund the cash flow for the WATER SUPPLY MASTER PLAN UPDATE. SBCWD shall incorporate the costs for the work into the imported water supply rates to be recovered over a 5-year period.

7. DATA, STUDIES AND RELATED INFORMATION

The Parties agree to provide pertinent data, previous studies, and related information for the completion of the WATER SUPPLY MASTER PLAN UPDATE. Specific data, previous studies and related information to be provided by the Parties shall be defined in requests submitted to the Parties by SBCWD.

8. SEPARATE AGREEMENTS

No Party herein is obligated by this MOU to implement final design, financing, or construction of facilities recommended in the WATER SUPPLY MASTER PLAN UPDATE. The intent of this MOU and associated financing is to cover the WATER SUPPLY MASTER PLAN UPDATE only.

Any facilities proposed to implement the WATER SUPPLY MASTER PLAN UPDATE shall be designed, financed and constructed pursuant to separate agreements. Design activities for specific projects are understood to include predesign, CEQA compliance, permitting, final design, and construction management services.

9. NOTICES

All notices relative to this MOU shall be given in writing and shall be personally served or sent by certified or registered mail and be effective upon actual personal service or depositing in the United States mail. The Parties shall be addressed as follows, or at any other address designated by notice.

CITY OF HOLLISTER

City Manager 375 Fifth Street Hollister, CA 95023 Tel: 831-636-4370

Fax: 831-634-4372

CITY OF SAN JUAN BAUTISTA

City Manager PO Box 1420 San Juan Bautista, CA 95045

Tel: 831-623-4661 Fax: 831-623-4093

SAN BENITO COUNTY

County Administrative Officer 481 Fourth Street Hollister, CA 95023 Tel: 831-636-4000

Tel: 831-636-4000 Fax: 831-636-4010

SBCWD

District Manager 30 Mansfield Road Hollister, CA 95023 Tel: 831-637-8218 Fax: 831-637-7267

SSCWD

General Manager 3570 Airline Highway Hollister, CA 95023 Tel: 831-637-4670

Fax: 831-637-1399

10. ENTIRE AGREEMENT

This MOU sets forth the Agreement among the Parties and may be modified only in writing, approved by the Parties.

11. INDEPENDENT CONTRACTORS

The MOU calls for the performance of the service of COH, SJB, COUNTY, SBCWD, and SSCWD as independent contractors. No party is an agent or employee of any other Party for any purpose and is not entitled to any of the benefits provided by any Party to its employees. This MOU shall not be construed as forming a partnership or any other association or agency among COH, SJB, COUNTY, SBCWD, and SSCWD other than that of independent contractors.

12. LIMITATION OF LIABILITY

No Party shall be liable to any other Party for any loss, damage, liability, claim or cause of action for damage to or destruction of property or for injury to, or death of persons arising solely from an act or omission of the other Party's officers, agents, or employees.

13. CLAIMS

A Party against who any claim arising from any subject matter of this MOU is filed shall give prompt written notice of the filing of the claim to all other Parties.

14. EFFECTIVE DATE

The MOU is effective upon duly authorized execution by all of the Parties. It is the product of negotiation and, therefore shall not be construed against any Party.

15. TERMINATION

Any Party to this MOU may terminate its participation in the activities herein described upon completion of the WATER SUPPLY MASTER PLAN UPDATE.

16. HEADINGS

Headings are for convenience only and shall not be used to interpret the terms of this MOU.

17. WAIVER

Any waiver of any term or condition hereof must be in writing. No such waiver shall be construed as a waiver of any other term or condition herein.

18. EXECUTION OF AGREEMENT

Any individual executing this MOU on behalf of an entity represents and warrants that they have the requisite authority to enter into this MOU on behalf of such entity and to bind the entity to the terms and conditions hereof.

19. COUNTERPARTS

This MOU may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same MOU.

IN WITNESS HEREOF, the Parties hereto have caused this MOU to be effective upon execution by all parties

CITY OF HOLLISTER

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NAME			
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CITY OF	SAN JU	AN BAUTIST	Ά

8//6/2/ Date

NAMELESLIE OF SURDAN MAYOR

08 20 2021 Date

SAN BENITO COUNTY

NAME

SAN BENITO COUNTY WATER DISTRICT

NAME DOUG WIlliams
Board President

Date SAN BENITO COUNTY COUNSEL

Shully L. Musply 9/2/2/

SUNNYSLOPE COUNTY WATER DISTRICT

NAME SULPHA

08/30/21 Date

CITY OF HOLLISTER DUPLICATE OF ORIGINAL ON FILE IN THE OFFICE OF THE CITY CLERK

RESOLUTION NO. 2021-162

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HOLLISTER APPROVING THE HOLLISTER URBAN AREA WATER AND WASTEWATER MASTER PLAN UPDATE MOU 2021

WHEREAS, California Government Code Section 6502, authorizes public entities, including cities, counties, and special districts to enter into agreements for their mutual benefit; and

WHEREAS, the City of Hollister, the City of San Juan Bautista, San Benito County, San Benito County Water District, and Sunnyslope County Water District have compelling and mutual interest in developing and implementing the Water Supply Master Plan; and

WHEREAS, the City of Hollister along with the other parties want to ensure cooperation and mutual support for successful and cost-effective development and implementation of the Water Supply Master Plan and future water projects in San Benito County; and

WHEREAS, the Parties understand and agree, San Benito County Water District (SBCWD) will continue to be the lead agency responsible for providing water supply to meet urban demands into the future; and

WHEREAS, the Parties agree that nothing in the Hollister Urban Area Water Supply and Treatment Agreement or the Agreement for Water Treatment Operations and Maintenance shall be superseded or modified unless specifically agreed upon by the Parties to the respective agreement.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Hollister approves the Hollister Urban Area Water and Wastewater Master Plan Update MOU 2021.

PASSED AND ADOPTED, by the City Council of the City of Hollister at a Regular Meeting held this 16th day of August, 2021, by the following vote:

AYES: Council Members Perez, Resendiz, and Burns.

NOES:None.

ABSTAINED: None.

ABSENT: Mayor Velazquez.

ATTEST:

Christine Black, MMC, City Clerk

Ignacio Velazquez, Mayor

APPROVED AS TO FORM:

Epperson Law Group PC

Jason S. Epperson, City Attorney

I, CHRISTINE BLACK, MMC, City Clerk of the City of Hollister, do hereby certify that the attached Resolution No. 2021-162 is an original Resolution, or true and correct copy of a City Resolution, duly adopted by the Council of the City of Hollister at a Regular Meeting of said Council held on the 16th day of August, 2021, at which meeting a quorum was present.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Official Seal of the City of Hollister this 16th day of August, 2021.

Christine Black, MMC

City Clerk of the City of Hollister

(Seal)

CITY OF HOLLISTER
DUPLICATE OF ORIGINAL
ON FILE IN THE

OFFICE OF THE CITY CLERK

San Benito County Water District Agenda Transmittal

Agenda Item:

Meeting Date: October 25, 2023

Submitted By: Steve Wittry

Presented By: Steve Wittry

Agenda Title: Discuss and Consider Entering into a San Luis & Delta-Mendota Water Authority Activity Agreement for North to South Water Transfers and Authorize the General Manager to Execute such Agreement.

Detailed Description:

In October of 2012, the District entered into an Activity Agreement with San Luis & Delta-Mendota Water Authority (Water Authority) to participate in the North to South Water Transfer Program. The agreement stated the terms, conditions, and responsibilities of activity agreement members to navigate the environmental processes and receive the transfer benefits associated with transferring water from north of the Delta to partnering agencies south of the Delta. The goal of the agreement was to provide activity agreement members negotiating leverage to obtain water at favorable terms while not negotiating against each other. This initial agreement consisted of 8 activity agreement members: Eagle Field WD, Mercy Springs WD, Panoche WD, Pacheco WD, San Benito CWD, San Luis WD, Santa Clara Valley WD and Westlands WD and was scheduled to sunset in December of 2023.

In August 2022, the original agreement was extended by one year to coincide with CEQA/NEPA documentation. Presently, the Water Authority is cooperating with USBR and local agencies to complete the environmental review that would allow the transfer of water beginning in 2025.

A new Activity Agreement has been prepared and approved by the Water Authority (with the assistance of member stakeholders) and they have requested a determination by October 31, 2023, from the member agencies on whether or not each agency will participate in the new agreement. The final terms of participation in the new agreement will be determined following the 'opt in' period. The term of the agreement will coincide with environmental coverage received (10 years is expected).

Staff recommends entering into the new activity agreement and authorizing the General Manager to sign the agreement and related documents.

Prior Committee or I Zone 6 Water Supply	Board Action(s) Committee 10/11/2023	
Financial Impact:	Yes	No
Funding Source/ Rec	ap: Funded through the	cost of water received and sold
Zone 6 Water S2012 San Luis North to South	& Delta-Mendota Wate Water Transfer Prograr & Delta-Mendota Wate	Committee Recommendation r Authority Activity Agreement Long Term
	ity Agreement and Au	ard approve entering into the North to South thorize the General Manager to sign such
Action Required:	Resolution _	X Motion Review
	Board A	Action
Resolution No	Motion By	Second By
Ayes	W 1000 11 11 11 11 11 11 11 11 11 11 11 1	Abstained
Noes		Absent
Reagendized	Date	No Action Taken

BOARD AGENDA MEMO

DATE:

October 11, 2023

TO:

Board of Directors

FROM:

Zone 6 Water Supply Committee (Tonascia/Williams)

SUBJECT: Recommendation to Board Approving Resolution for Approval of a Authorizing Execution of North to South Water Transfers Activity Agreement and Actions Related Thereto and Authorizing

General Manager to Execute Agreement

The Zone 6 Water Supply and Operations Committee met on October 11, 2023. Staff reviewed for the committee the resolution Authorizing Execution of North to South Water Transfers Activity Agreement..

The Zone 6 Water Supply and Operations Committee recommends Board to Approve a Resolution Authorizing Execution of North to South Water Transfers Activity Agreement and Actions Related Thereto and Authorizing General Manager to Execute Agreement.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY ACTIVITY AGREEMENT LONG TERM NORTH TO SOUTH WATER TRANSFER PROGRAM

This Activity Agreement ("Agreement") entered into and made effective as of this 304 day of 2012, by and among the San Luis & Delta-Mendota Water Authority (the "Water Authority"), a joint powers agency of the State of California, and its members who execute this Agreement, who are hereinafter referred to jointly by the plural term "Activity Agreement Members."

RECITALS

- A. The parties to this Activity Agreement, together with certain other local agencies have entered into an amended and restated Joint Exercise of Powers Agreement-San Luis & Delta-Mendota Water Authority dated as of January 1, 1992, by and among the parties indicated therein, for the purpose of exercising the common powers of the members, including the powers described in this Agreement.
- B. The parties to this Agreement each are empowered, among other powers, to provide water service to lands within their boundaries; to contract with the United States, the State and other public agencies, mutual water companies, and other private parties for such purposes; to control the quality of water accepted into their respective systems; to transfer water and to purchase water in order to maximize the efficient, beneficial use of the water supplies available; and to adopt rules and regulations necessary to exercise such powers.
- C. The members of the Water Authority all have entered into contracts with the United States for water service from the Central Valley Project ("CVP") for irrigation and/or M&I purposes within their respective jurisdictional areas and receive water conveyed through the Delta-Mendota Canal, the San Luis Canal, and/or the Pacheco Pumping Plant and Tunnel.
- D. In recent years, the Activity Agreement Members have received less than the full contract allocations provided for in their CVP water service contracts because of hydrologic conditions and/or regulatory constraints, and the Bureau of Reclamation ("Reclamation") has projected continued shortages of such allocations in the future.
- E. In an effort to plan more efficiently in advance for water shortages that have become routine, the Water Authority is cooperating with Reclamation and with California state and local agencies to prepare necessary environmental review documents under the California Environmental Quality Act ("CEQA") and the National Environmental Protection

Act ("NEPA") that would facilitate a long term water transfer program to provide Water Authority Members the opportunity to supplement irrigation and/or municipal and industrial water supplies for that Water Year.

- F. The proposed Long Term North to South Water Transfer Program
 Environmental Impact Statement/Environmental Impact Report ("Long Term Water
 Transfer Program EIS/EIR") is intended to provide the environmental analysis and
 coverage for water transfers from willing sellers north of the Delta and from tributaries of
 the San Joaquin River as more particularly described in Table 2-4 of the EIS/EIR to willing
 buyers south of the Delta and in the San Francisco Bay Area as more particularly described
 in Table 2-5 to the EIS-EIR; the EIS-EIR would analyze both annual and multi-year
 supplemental water transfer agreements.
- G. While the Long Term Water Transfer Program EIS/EIR will consider the environmental effects of a prescribed quantity of water transfers developed and delivered in accordance within specific parameters over a ten year period between 2013 and 2022, individual transfers within the Program would be negotiated separately by the Water Authority or by individual Activity Agreement Members and each seller.
- H. Water transfers arranged by the Water Authority for the benefit of the Activity Agreement Members through water transfer agreements covered by the Long Term Water Transfer Program EIS/EIR will be administered according to the terms of this Agreement, and consistent with the provisions of those individual water transfer agreements.
- I. Water transfers arranged by individual Activity Agreement Members for their own respective benefit through water transfer agreements covered by the Long Term Transfer Program EIS/EIR will be administered by the respective Activity Agreement Member(s) and shall not be subject to this Agreement, except with respect to Activity Agreement Expenses applicable to the Long Term Water Transfer Program EIS/EIR.
- J. Each of the participants to this Agreement desires to join in the benefits and is willing to incur the obligations of preparing and if necessary, defending, the Long Term Water Transfer Program EIS/EIR and of receiving the benefits and incurring obligations necessary to arrange and implement Water Authority water transfers covered by the Long-Term Transfer EIS/EIR.

AGREEMENT

NOW, THEREFORE, in consideration of the facts recited above and of the covenants, terms and conditions set forth herein, the parties agree as follows:

Section 1. <u>Definitions</u>:

- A. "Agreement" or "Activity Agreement" shall mean this Activity Agreement concerning the Long Term North to South Water Transfer Program.
- B. "Activity Agreement Expenses" shall mean the direct expenses described in this subsection that are incurred by the Water Authority in order to implement this Agreement, together with a share of Water Authority Administration Costs allocable to members of this Agreement. "Activity Agreement Expenses" shall expressly include, but not be limited to the following categories of expenses:
- 1. Costs and fees incurred by the Water Authority to prepare, approve and certify the Long Term Water Transfer Program EIS/EIR; all attorneys' fees, court filing fees and litigation expenses incurred by the Water Authority for purposes of defending the Long Term Water Transfer Program EIS/EIR; Water Authority obligations for attorneys' fees and or court costs awarded to parties challenging the Long Term Water Transfer Program EIS/EIR; and any other Water Authority costs associated with the Long Term Water Transfer Program EIS/EIR;
- 2. Costs and fees associated with developing, implementing, maintaining amending or terminating this Agreement; and
- 3. All costs incurred by the Water Authority in pursuing, negotiating, providing environmental review, defending litigation, holding third parties harmless or administering a) any proposed Water Authority One-Year or Multi-Year Transfer Agreement; b) any proposed One-Year or Multi-Year Transfer Agreement that is initiated but not completed.
- C, "Activity Agreement Member" shall mean a member of the Water Authority who is signatory to this Agreement. Anticipated Activity Agreement Members as of the date of execution of this Agreement are listed on Exhibit "A" attached hereto. Water Authority members must inform the Water Authority by mail, e-mail or fax of their decision to participate in this Agreement on or before October 31, 2012. A Final Exhibit "A" with a list of Activity Agreement Members shall be provided to all Activity Agreement Members by the Water Authority on or before November 15, 2012; said Final Exhibit "A" shall be attached to this Agreement and shall replace the Exhibit "A" containing the initial list of anticipated Activity Agreement Members.
- D. "Administration Agreement(s)" shall mean those certain agreements between the Water Authority and Activity Agreement Members for the undertaking of activities and sharing of costs and benefits pursuant to Sections 22 and 23 of the JPA.
- E. "Allocation Ratio" shall mean an Activity Agreement Member's respective share of benefits and obligations under this Agreement and shall be based upon each Activity Member's respective CVP water supply contract quantity for irrigation as of the date hereof compared to the total CVP water supply contract quantity for irrigation of

Activity Agreement Members sharing the in the specified benefit or obligation. "Allocation Ratio" for Transfer Participants is further described in Section 5.C of this Agreement.

- F. "Fiscal Year" shall mean the Water Authority's March 1 through February 28/29 fiscal year.
- G. "JPA" or "JPA Agreement" shall mean that certain Amended and Restated Joint Exercise of Powers Agreement effective January 1, 1992, establishing the Water Authority.
- H. "Multi-Year Transfer Agreement," "Multi-Year Transfer" or "Multi-Year Transfer Water" shall mean or refer to a transfer agreement or the water acquired by the Water Authority under the Long Term Water Transfer Program EIS/EIR by the means of a transfer agreement that continues for more than one Water Year.
- I. "Multi-Year Transfer Annual Costs" shall mean any and all annual costs, such as option payments or payments for water purchased that are incurred by the Water Authority to acquire water in any Water Year under the terms of a Multi-Year Transfer Agreement.
- J. "One-Year Transfer Agreement" and "One-Year Transfer" and "One-Year Transfer Water" shall mean or refer to a transfer agreement or the water acquired by means of a transfer agreement with a term that continues for a single Water Year.
- K. "One-Year Annual Transfer Costs" shall mean any and all annual costs, such as option payments or payments for water purchased that are incurred by the Water Authority to acquire water in any Water Year under the terms of a One-Year Transfer Agreement.
- L. "Transfer Participant" means an Activity Agreement Member that has elected and "Transfer Participants" shall mean the group of Activity Agreement Members that have elected to participate for the respective Water Year in a One-Year Transfer Agreement or a Multi-Year Transfer Agreement.
 - M. "Water Authority" shall mean the San Luis & Delta-Mendota Water Authority.
- N. "Water Authority Administration Costs" shall mean Water Authority general administrative expenses, a percentage of which shall be allocated to this Activity Agreement by the Water Authority.
 - 0. "Water Year" shall mean the period March 1-February 28/29.
 - P. "Year" shall mean a calendar year.

Q. All other capitalized terms used herein shall have the meanings ascribed to them in this Agreement, and capitalized terms in any of the water transfer agreements being pooled for administration under this Agreement shall have the meanings ascribed under such individual agreement; provided, that in the event of any conflicts, the terms of this Agreement shall prevail to determine such meanings.

Section 2. Purpose:

- A. The purpose of this Activity Agreement is to allow, through the joint exercise of some or all of the common powers of the Activity Agreement Members described in the Recitals above, as appropriate, the Activity Agreement Members to participate through the Water Authority in the benefits, and to share the obligations of, preparing, adopting and defending environmental documentation for water transfer agreements contemplated by the Long-Term Water Transfer Program under the terms set forth herein and as set forth in each of the water transfer agreements, respectively.
- B. The parties acknowledge and agree that the Water Authority's role in this Activity Agreement is to: 1) provide the umbrella joint powers agreement pursuant to which the parties may exercise their common powers and to provide services at the expense of the Activity Agreement Members; 2) facilitate necessary environmental reviews for the Long Term Water Transfer Program; and, 3) provide administrative services relating to water acquired through the Long Term Water Transfer Program for and on behalf of the Activity Agreement Members, including, but not limited to, providing notices; calculating water allocations; collecting and submitting schedules from Activity Agreement Members to DWR or Reclamation if necessary under any of the water transfer agreements anticipated herein; providing advance funding for water acquired through said agreements; and providing billing and accounting services to the Activity Agreement Members during the term hereof.
- C. Water transfers arranged by individual Activity Agreement Members for their own respective benefit that are covered by the Long Term Water Transfer Program EIS/EIR will be administered by the respective Activity Agreement Member(s) and shall not be subject to this Agreement, except that such Activity Agreement Members shall remain obligated to pay their Allocation Ratios of Activity Agreement Expenses.

Section 3. Organization:

The business of this Activity Agreement shall be conducted by the Water Authority at large and therefore governed by the Board of Directors of the Water Authority.

Section 4. <u>Authorization to Allocate Activity Agreement Expenses</u>:

Each member of the Water Authority has entered into an Administration Agreement which authorizes agreement(s) by and among the Water Authority and any of its members

or other entities (including Friends of the Water Authority) to provide for undertaking and sharing costs and benefits of any authorized activity of the Water Authority.

- A. The Water Authority and the Activity Agreement Members agree that all Activity Agreement Expenses incurred by the Water Authority under this Agreement are the expenses of the Activity Agreement Members, and not of the Water Authority, and shall be paid by the Activity Agreement Members based upon the terms of this Agreement and their respective Allocation Ratios for such costs.
- B. Except for Annual Costs that are described as part of the Activity Agreement Expenses and as set forth in Section 4.C below, the Activity Agreement Members agree that One-Year Transfer Annual Costs and Multi-Year Transfer Annual Costs are the expenses of the Transfer Participants of each respective Transfer Agreement during a particular Water Year and not of non-participating Activity Agreement Members or of the Water Authority; such costs shall be paid by the Transfer Participants of each respective Transfer Agreement based upon the terms of this Agreement and their respective Allocation Ratios for such costs.
- C. If in a particular year there are no Transfer Participants in a particular Multi-Year Transfer, the Activity Agreement Members agree that the Annual Costs of such Multi-Year Transfer are the expenses of those Activity Agreement Members who agreed to assume the benefits and obligations of that specific Multi-Year Transfer Agreement at the time it was entered by the Water Authority and shall be paid by such Activity Agreement Members based upon the terms of this Agreement and their respective Allocation Ratios for such costs.

Section 5. <u>Participation in Annual Transfers</u>:

A. <u>Process for Participation</u>:

- 1. On or before March 1 of each Water Year, the Water Authority shall survey the Activity Agreement Members to determine the preliminary quantity of Transfer Water desired by such Activity Agreement Member during such Water Year. The response to surveys will be the basis for the Water Authority to initiate activities to obtain Multi-Year Transfers and additional One-Year Transfers needed to meet the preliminary quantity desired by Activity Agreement Members.
- 2. On or before June 1 of each Water Year, the Water Authority will provide each Activity Agreement Member with a summary of the terms of the Water Transfers available for such Water Year.
- 3. On or before June 15 of each Water Year, each Activity Agreement shall notify the Water Authority of its election to participate in or to opt out of each Multi-

Year Transfer and each One-Year Transfer available for such Water Year, and the total quantity of water it desires to acquire through such transfers.

4 .For Activity Agreement Members seeking to acquire water hereunder during a particular Water Year, the Water Authority will first allocate based upon their Allocation Ratios all water being made available under Multi-Year Transfers for such Water Year, and when such water has been allocated, shall proceed to allocate shares of water under each respective One-Year Transfer for such Water Year, until the requested amounts have been fully allocated or until no Transfer Water remains.

B. Negotiation for Multi-Year and One-Year Water Transfer Agreements:

- 1. After obtaining information from potential Sellers, the Water Authority will (i) circulate to the Activity Agreement Members proposed term sheets for each new or existing Multi-Year Transfer and each proposed One-Year Transfer for such Water Year, (ii) consult with Activity Agreement Members as to their interest in each proposed transfer for such year and (iii) obtain their directions for any counter-proposals. These steps may be repeated until the Water Authority has sufficient information to proceed to negotiate final terms with proposed Sellers.
- 2. The Water Authority shall execute any Multi-Year or One-Year Transfer Agreement only when it has the commitment in writing of at least one Activity Agreement Member to participate in such Agreement.
- C. Election Binds Transfer Participant: Except for costs identified as Activity Agreement Expenses and as otherwise set forth in subsections 1 and 2 of this Section 5 C., once an Activity Agreement Member has provided notice of its election to participate in specific Multi-Year Transfers and/or One-Year Transfers for such Water Year, it becomes a Transfer Participant for such Transfers and is obligated to pay for its Allocation Ratio of the Annual Costs for such Transfers for that Water Year.
- 1, In the event during a particular year no party elects to become a Multi-Year Transfer Participant under a specific Multi-Year Transfer Agreement, all Activity Agreement Members who agreed to assume the benefits and obligations of that specific Multi-Year Transfer Agreement at the time it was entered by the Water Authority shall share any Annual Costs in accordance with their Allocation Ratios for such Multi-Year Transfer Agreement.
- 2. Any Transfer Participant may be relieved of its obligations under any particular Transfer Agreement if it obtains the written agreement of one or more Activity Agreement Members, with notice to the Water Authority, to fully assume the Allocation Ratio of obligations and benefits of such Activity Agreement Member relating to the particular Transfer for such Water Year.

- D. Allocation Ratio for Transfers: Transfer Water and Transfer Costs for each Multi-Year Transfer and each One-Year Transfer during the Water Year shall be allocated among the Transfer Participants that have given notice of their election to participate in the respective transfers based upon the Allocation Ratio for each Transfer Participant obtained by dividing such participant's Exhibit "A" Contract Quantity by the total of the Exhibit A Contract Quantities for all the Transfer Participants in each such Transfer in that Water Year; provided, that if there are no Transfer Participants for a particular Multi-Year Transfer during a particular year, the Allocation Ratio for the Annual Costs under that Multi-Year Transfer Agreement shall be obtained by dividing each participant's Exhibit "A" Contract Quantity by the total of the Exhibit A Contract quantities for all the Activity Agreement Members who agreed to assume the benefits and obligations of such Multi-Year Transfer Agreement at the time it was entered by the Water Authority.
- A copy of each Multi-Year Water Documentation of Water Transfers: Transfer Agreement entered into by the Water Authority shall be attached to this Agreement for reference as "Exhibit B-1, Water Years _____," then "Exhibit B-2, Water Years _____ " and continuing successively. A copy of each One-Year Water Transfer Agreement shall be attached to this Agreement for reference as "Exhibit C-1, Water Year _____" then "Exhibit C-2, Water Year ___" and continuing successively. It is the intent of the Water Authority and the Activity Agreement Members to enter into water transfer agreements with willing sellers as opportunities arise. As additional agreements are entered into, they shall be attached hereto in succession as "Exhibit B-... [next in order]. Water Years _____, or "Exhibit C-_ [next in order], Water Year ____ and a copy of each will be provided to all Activity Agreement Members. Such additional supplemental Transfer Water shall be administered and allocated amongst the Activity Agreement Members according to the terms set forth in this Agreement without further action required by the Water Authority, its Board of Directors, or the Activity Agreement Members.

Section 6. Scheduling:

The Water Authority, in consultation with the Activity Agreement Members, shall develop a process for the scheduling of the water allocated that shall be subject to modification from time to time by agreement of the parties, without formal amendment of this Agreement being required.

- Section 7. Payment for Activity Agreement Expenses and for Multi-Year and One-Year
 Annual Transfer Costs:
- A. The Water Authority, in consultation with the Activity Agreement Members, shall develop a process for payment of costs and timing of payments based on the principles set forth below.

- 1. The Water Authority may bill each Activity Agreement Member for all Activity Agreement Expenses as part of the first billing it prepares for such Activity Agreement Member each year, and payment shall be due at the same time as payment for all other amounts included on such billing.
- 2. The Water Authority shall bill the respective Transfer Participants in each Multi-Year or One-Year Transfer Agreement set forth in Exhibit(s) "B" and "C" for a particular Water Year for the Annual Costs for all Multi-Year or One-Year Transfers in which such Transfer Participant is participating. The Water Authority shall provide a monthly billing to each such Transfer Participant and each such Transfer Participant shall remit payment within 30 days of receipt of such bill. The Water Authority shall promptly remit such sums to the appropriate selling agency consistent with each respective seller's transfer agreement. Complete details for pricing and payments required under each of the water transfer agreements, and the timing of those payments, is set forth in each respective transfer agreement attached hereto. Terms for payment to the Water Authority may be adjusted annually without formal amendment of this Agreement.
- 3. In the event there are no Transfer Participants in a particular Multi-Year Transfer Agreement for a particular year, the Water Authority shall bill the respective Activity Agreement Members who agreed to assume the benefits and obligations of that specific Multi-Year Transfer Agreement at the time it was entered by the Water Authority for the Annual Costs of such Multi-Year Transfer Agreement. The Water Authority shall provide a monthly billing to each such Activity Agreement Member and each such Activity Agreement Member shall remit payment within 30 days of receipt of such bill. The Water Authority shall promptly remit such sums to the appropriate selling agency consistent with each respective seller's transfer agreement. Complete details for pricing and payments required under each of the water transfer agreements, and the timing of those payments, is set forth in each respective transfer agreement attached hereto. Terms for payment to the Water Authority may be adjusted annually without formal amendment of this Agreement.
- 4. The Water Authority shall bill each Transfer Participant for DWR wheeling charges and energy charges allocated to such Transfer Participant's share of Transfer Water promptly following receipt of invoices for such charges. Payment shall be due within 10 days of such billing, and the Water Authority shall promptly remit such sums as appropriate.
- B. In the event a Transfer Participant obtains the agreement of one or more Activity Agreement Members to fully assume the Allocation Ratio of such Transfer Participant as discussed in Section 5B, the Water Authority shall have no responsibility to track resulting changes in allocations of Transfer Water or Transfer Costs until it receives a copy of the writing memorializing the allocation adjustment.
- C. Within sixty (60) days following the end of each Fiscal Year during the term of this Agreement, the Water Authority will calculate adjustments to take into account

differences between amounts collected from each Activity Agreement Member and actual expenditures made pursuant to the Agreement, including Activity Agreement Expenses and Multi-Year or One-Year Transfer Annual Costs, on behalf of such Activity Agreement Member. Immediately following such calculation of adjustments, the Water Authority will provide notice of credits or bills for additional charges to the Activity Agreement Members. Each Activity Agreement Member may elect to obtain refunds or to apply any credit balance and shall remit payment of bills for additional amounts within thirty (30) days.

Section 8. Source of Payments:

Each Activity Agreement Member agrees that it will, at all times, have sufficient money to meet its obligations hereunder and under the JPA Agreement. Each Activity Agreement Member hereby confirms that the Water Authority and other Activity Agreement Members are third party beneficiaries of such Activity Agreement Member's obligations under this Agreement and may take such actions in law or in equity as may be desirable to enforce payments hereunder.

Section 9 Indemnification of Non-Members:

The Activity Agreement Members shall hold the Water Authority and each of its members who is not an Activity Agreement Member, free and harmless from and indemnify each of them against any and all costs, losses, damages, claims and liabilities arising from this Agreement. This indemnification obligation includes the obligation of the Activity Agreement Members to defend the Water Authority, and all members of the Water Authority which are not participants in this Agreement, at the sole expense of the Activity Agreement Members, in any action or proceeding brought against the Water Authority or any of its members not participating in this Agreement to recover any such costs, losses, damages, claims or liabilities arising from this Agreement, as well as the obligation to pay for any and all costs of litigation incurred by the Water Authority as a result of entering into this Agreement. Such costs may include, but are not limited to, attorneys' fees and costs incurred by the Water Authority pursuant to approved budgets to defend the Long Term Water Transfer Program EIR/EIS, to defend any action of the Water Authority relating to acquisition of any Transfer Water, any award of attorneys' fees and/or costs of litigation awarded to a complaining party, and any other costs of litigation or defense, including any such costs incurred by the Water Authority arising under any of the water transfer agreements.

Section 10. Term:

This Agreement shall take effect on the date it is executed by the Water Authority and be retroactive for costs incurred in pursuit of the Long-Term Transfer Program EIS-EIR or the development of this Agreement and shall remain in full force and effect through December 31, 2023, or until all obligations arising under each of the water transfer agreements have been satisfied, whichever comes later.

Section 11. Withdrawal from Further Participation:

An Activity Agreement Member may withdraw from this Agreement at any time by obtaining the agreement of one or more other Activity Agreement Members to fully assume the benefits and the obligations pertaining to the withdrawing Activity Agreement Member.

Section 12. Admission of New Members:

No additional members of the Water Authority may become participants of this Agreement without the written consent of all of the other Activity Agreement Members and of the Water Authority.

Section 13. Amendments:

This Agreement may be amended in writing by the parties hereto.

Section 14. Assignment: Binding on Successors:

Except as otherwise provided in this Agreement, the rights and duties of the Activity Agreement Members may not be assigned or delegated without the written consent of the Water Authority. Any attempt to assign or delegate such rights or duties in contravention of this Agreement shall be null and void. Any approved assignment or delegation shall be consistent with the terms of any contracts, resolutions, indemnities and other obligations of the Water Authority then in effect. This Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the Water Authority and the Activity Agreement Members.

Section 15. Counterparts:

This Agreement may be executed by the Water Authority and the Activity Agreement Members in separate counterparts, each of which when so executed and delivered shall be an original, but all such counterparts shall together constitute but one and the same instrument. This Agreement, if executed in counterparts, will be valid and binding on a Party as if fully executed all on one original.

Section 16. Choice of Law:

This Agreement shall be governed by the laws of the State of California.

Section 17. Severability:

If one or more clauses, sentences, paragraphs or provisions of this Agreement shall be held to be unlawful, invalid or unenforceable, it is hereby agreed by the Activity. Agreement Members and the Water Authority that the remainder of the Agreement shall not be affected thereby.

Section 18. Headings:

The titles of sections of this Agreement are for convenience only and no presumption or implication of the intent of the parties as to the construction of this Agreement shall be drawn therefrom.

Section 19. Reasonable Cooperation:

Activity Agreement Members will reasonably cooperate with each other and the Water Authority to perform the obligations under this Agreement, assist the Water Authority when necessary in carrying out its obligations under any and all of the water transfer agreements contemplated herein, and to carry out the purpose and intent of this Agreement.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

By: Daniel G. Nelson
Executive Director

ACTIVITY AGREEMENT MEMBERS

EAGLE FIELD WATER DISTRICT	
Ву;	
MERCY SPRINGS WATER DISTRICT	
Ву:	

PANÖCHE WATER DISTRICT
Ву:
PACHECO WATER DISTRICT
Ву:
SANTA CLARA VALLEY WATER DISTRICT
Ву:
SAN BENITO COUNTY WATER DISTRICT
Ву:
SAN LUIS WATER DISTRICT
Ву
WESTLANDS WATER DISTRICT
D

FINAL EXHIBIT "A"

ACTIVITY AGREEMENT MEMBERS AND ALLOCATION RATIOS

District	Participating District Contract Quantity (AF)	Allocation Ratio of Districts
Eagle Field WD	4,550	0.30%
Mercy Springs WD	2,842	0:19%
Pacheco WD	10,080	0.67%
Panoche WD	94,000	6.26%
San Benito CWD	35,550	2:37%
San Luis WD	124,080	8,27%
Santa Clara Valley WD	34,665	2.31%
Westlands WD	1,195,383	79.63%
Total	. 1,501,150	100.00%

EXHIBIT "B-1" WATER YEAR _____

MULTI-YEAR WATER TRANSFER AGREEMENT SLDMWA – XX WATER DISTRICT EXHIBIT "C-1" WATER YEAR ____ -

SINGLE-YEAR WATER TRANSFER AGREEMENT SLDMWA - XX WATER DISTRICT

If one or more clauses, sentences, paragraphs or provisions of this Agreement shall be held to be unlawful, invalid or unenforceable, it is hereby agreed by the Activity Agreement Members and the Water Authority that the remainder of the Agreement shall not be affected thereby.

Section 18. Headings:

The titles of sections of this Agreement are for convenience only and no presumption or implication of the intent of the parties as to the construction of this Agreement shall be drawn therefrom.

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SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

By: Daniel G. Nelson

Daniel G. Nelson
Executive Director

ACTIVITY AGREEMENT MEMBERS

EAGLE FIELD WATER DISTRICT

MERCY SPRINGS WATER DISTRICT

By:_____

If one or more clauses, sentences, paragraphs or provisions of this Agreement shall be held to be unlawful, invalid or unenforceable, it is hereby agreed by the Activity Agreement Members and the Water Authority that the remainder of the Agreement shall not be affected thereby.

Section 18. Headings:

The titles of sections of this Agreement are for convenience only and no presumption or implication of the intent of the parties as to the construction of this Agreement shall be drawn therefrom.

Section 19. Reasonable Cooperation:

Activity Agreement Members will reasonably cooperate with each other and the Water Authority to perform the obligations under this Agreement, assist the Water Authority when necessary in carrying out its obligations under any and all of the water transfer agreements contemplated herein, and to carry out the purpose and intent of this Agreement.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

By: Daniel G. Nelson
Executive Director

ACTIVITY AGREEMENT MEMBERS

EAGLE FIELD WATER DISTRICT

Bv:

MERCY SPRINGS WATER DISTRICT

October 1, 2012 FINAL (Revised for Signature)

PANOCHE WATER DISTRICT
By:
PACHECO WATER DISTRICT
SANTA CLARA VALLEY WATER DISTRICT
SAN BENITO COUNTY WATER DISTRICT
Ву:
SAN LUIS WATER DISTRICT
Ву
WESTLANDS WATER DISTRICT

PANOCHE WATER DISTRICT
Ву:
PACHECO WATER DISTRICT
Ву:
SANTA CLARA VALLEY WATER DISTRICT
By: 4/27/13 Beau Goldie, Chief Executive Officer
SAN BENITO COUNTY WATER DISTRICT
Ву:
SAN LUIS WATER DISTRICT
Ву
WESTLANDS WATER DISTRICT
By:

PANOCHE WATER DISTRICT By: _____ PACHECO WATER DISTRICT By:_____ SANTA CLARA VALLEY WATER DISTRICT By:_____ SAN BENITO COUNTY WATER DISTRICT By: _ SAN LUIS WATER DISTRICT By_____ WESTLANDS WATER DISTRICT

By: _____

PANOCHE WATER DISTRICT
By:
PACHECO WATER DISTRICT
Ву:
SANTA CLARA VALLEY WATER DISTRICT
Ву:
SAN BENITO COUNTY WATER DISTRICT
Ву:
SAN LUIS WATER DISTRICT
WESTLANDS WATER DISTRICT

PANOCHE WATER DISTRICT
Ву:
PACHECO WATER DISTRICT
Ву:
SANTA CLARA VALLEY WATER DISTRICT
By:
SAN BENITO COUNTY WATER DISTRICT
Ву:
SAN LUIS WATER DISTRICT
Ву
WESTLANDS WATER DISTRICT
By: MelinMan.

BYRON DETHANY IRRIGATION DISTRICT

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

NORTH TO SOUTH WATER TRANSFERS ACTIVITY AGREEMENT

This Activity Agreement ("Activity Agreement") is entered into as of this ____day of ____2023, by and among the San Luis & Delta-Mendota Water Authority ("Water Authority"), a joint powers agency of the State of California, and its members who execute this Agreement, who are hereinafter referred to jointly by the plural term "Activity Agreement Members." Capitalized terms used in this Activity Agreement will have the meanings set forth in Section 2 below.

1. RECITALS

- A. The parties to this Activity Agreement, together with certain other local agencies have entered into an amended and restated Joint Exercise of Powers Agreement San Luis & Delta-Mendota Water Authority dated as of January 1, 1992 (the "JPA" or "JPA Agreement"), by and among the parties indicated therein, establishing the Water Authority for the purpose of exercising the common powers of the members, including the powers described in this Activity Agreement.
- B. The Activity Agreement Members each are empowered, among other powers, to provide water service to lands within their boundaries; to contract with the United States, the State and other public agencies, mutual water companies, and other private parties for such purposes; to control the quality of water accepted into their respective systems; to transfer water and to purchase water in order to maximize the efficient, beneficial use of the water supplies available; and to adopt rules and regulations necessary to exercise such powers.
- C. The Activity Agreement Members have each entered into repayment contracts with the United States for water service from the Central Valley Project ("CVP") for irrigation and/or M&I purposes within their respective jurisdictional areas and receive water conveyed through the Delta-Mendota Canal, the San Luis Canal, and/or the Pacheco Pumping Plant and Tunnel.
- D. Since 1992, the Activity Agreement Members in most years have received less than the full contract allocations provided for in their CVP repayment contracts because of hydrologic conditions and/or regulatory constraints, and the Bureau of Reclamation ("Reclamation") has projected continued shortages of such allocations in the future.

- E. To plan more efficiently in advance for water shortages, the Water Authority is cooperating with Reclamation and local agencies to prepare environmental review documents under the California Environmental Quality Act ("CEQA") and the National Environmental Protection Act ("NEPA") that would facilitate water transfers to supplement irrigation and/or municipal and industrial water supplies during years of south-of-Delta water shortages.
- F. The proposed North to South Water Transfers Environmental Impact Statement/Environmental Impact Report ("Water Transfers EIS/EIR") is intended to provide the environmental analysis and coverage for annual water transfers from willing sellers north of the Delta and from tributaries of the San Joaquin River, as will be more particularly described in the EIS/EIR, to willing buyers south of the Delta and in the San Francisco Bay Area, as will be more particularly described in the EIS/EIR; the EIS/EIR would analyze supplemental water transfer agreements.
- G. While the Water Transfers EIS/EIR will consider the environmental effects of a prescribed quantity of potential annual water transfers developed and delivered in accordance within specific parameters, individual transfers made pursuant to the EIS/EIR will be negotiated separately by the Water Authority or by individual Activity Agreement Members and each seller.
- H. Water transfers arranged by the Water Authority for the benefit of the Activity Agreement Members through water transfer agreements covered by the Water Transfers EIS/EIR will be administered according to the terms of this Activity Agreement, and consistent with the provisions of those individual water transfer agreements.
- I. Water transfers arranged by individual Activity Agreement Members for their own respective benefit through water transfer agreements covered by the Water Transfers EIS/EIR will be administered by the respective Activity Agreement Member(s) and will not be subject to this Activity Agreement, except with respect to Activity Agreement Expenses applicable to the Water Transfers EIS/EIR and the provisions of Section 8.A. below.
- J. Each of the participants of this Agreement desires to join in the benefits and is willing to incur the obligations of preparing and if necessary, defending, the Water Transfers EIS/EIR and of receiving the benefits and incurring obligations necessary to arrange and implement water transfers covered by the Water Transfers EIS/EIR.
- K. Nothing in this agreement restricts Activity Agreement members from pursuing water transfers that are not covered by the Water Transfers EIS/EIR.

L. The Water Authority and each of the Activity Agreement Members have shared, and continue to share, a common interest in sharing information and resources reasonably necessary to accomplish the purpose in this Activity Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the true and correct facts recited above, and of the covenants, terms, and conditions set forth herein, the Activity Agreement Members and the Water Authority agree as follows:

2. **DEFINITIONS**

- A. "Activity Agreement" or "Agreement" will mean this North to South Water Transfers Activity Agreement.
- B. "Activity Agreement Expenses" will mean the direct expenses described in this subsection that are incurred by the Water Authority in order to implement this Activity Agreement, together with a share of Water Authority Administration Costs allocable to members of this Agreement; "Activity Agreement Expenses" will expressly include, but not be limited to the following categories of expenses:
- i. Costs and fees incurred by the Water Authority to prepare, approve and certify the Water Transfers EIS/EIR, including related consultant and legal expenses;
- ii. Costs and fees incurred by the Water Authority to defend the Water Transfers EIS/EIR, including related consultant and legal expenses, e.g. attorneys' fees, court filing fees, and out-of-pocket expenses ("Litigation Costs");
- iii. Other Water Authority costs and fees associated with the Water Transfers EIS/EIR;
- iv. Costs and fees associated with developing, implementing, maintaining, amending or terminating this Activity Agreement; and
- v. All costs incurred by the Water Authority in pursuing, negotiating, providing environmental review, defending litigation, holding third parties harmless or administering any executed or proposed Water Authority Transfer Agreement.
- C. "Activity Agreement Member" will mean a member of the Water Authority who is signatory to this Agreement. Water Authority members must inform the Water Authority by mail, e-mail or fax of their decision to participate in this Agreement on or before October 31, 2023.

The Activity Agreement Members are listed on Exhibit "A" attached hereto, as updated by agreement of the Activity Agreement Members from time to time; such updated Exhibit "A" shall be attached hereto and replace all prior versions of Exhibit "A".

- D. "Administration Agreement(s)" will mean those certain agreements between the Water Authority and Activity Agreement Members for the undertaking of activities and sharing of costs and benefits pursuant to Sections 22 and 23 of the JPA.
- E. "Allocation Ratio" will mean an Activity Agreement Member's respective share of benefits and obligations under this Agreement and will be based upon each Activity Member's respective CVP water supply contract quantity for irrigation (including contract assignment quantities) as of the date hereof compared to the total CVP water supply contract quantity for irrigation (including contract assignment quantities) of Activity Agreement Members sharing in the specified benefit or obligation. "Allocation Ratio" for Transfer Participants is further described in Section 8.D of this Agreement.
- F. "Board of Directors" will mean the Board of Directors of the San Luis & Delta-Mendota Water Authority.
- G. "Fiscal Year" will mean the Water Authority's March 1 through February 28/29 fiscal year.
- H. "Independent Covered Sacramento River Transfer" will mean a Transfer from one of the potential Sacramento River sellers identified in the Water Transfers EIS/EIR's "Sacramento River Area of Analysis" that relies on the Water Transfers EIS/EIR, and that an Activity Agreement member intends to, or does in fact pursue and/or implement, independent of the Water Authority.
- I. "JPA" or "JPA Agreement" will mean that certain Amended and Restated Joint Exercise of Powers Agreement effective January 1, 1992, establishing the Water Authority.
- J. "Transfer Agreement" and "Transfer(s)" and "Transfer Water" will mean or refer to a transfer agreement or the water acquired by means of a transfer agreement with a seller identified in the Water Transfers EIS/EIR.
- K. "Transfer Costs" will mean any and all annual costs, such as option payments or payments for water purchased and Water Authority Administration Costs that are incurred by the Water Authority to acquire water in any Water Year under the terms of a Transfer Agreement.

- L. "Transfer Participant" means an Activity Agreement Member that has elected to participate for the respective Water Year in a Transfer Agreement and "Transfer Participants" means the group of such Activity Agreement Members.
 - M. "Water Authority" will mean the San Luis & Delta-Mendota Water Authority.
- N. "Water Authority Administration Costs" will mean Water Authority general administration expenses, including rent and other occupancy charges, acquisition costs of office furniture and equipment, including telephone, telecopy, photocopy, cost of cars and other vehicles, insurance premiums salaries and wages of employees including payment in connection with retirement programs and other benefit programs, fees of creditors, lawyers, engineers, and other consultants, travel, telephone, telecopy, and photocopy expenses, and any other general administrative expenses, a percentage of which will be allocated to this Activity Agreement by the Water Authority.
 - O. "Water Year" will mean the period March 1-February 28/29.
 - P. "Year" will mean a calendar year.
- All other capitalized terms used herein will have the meanings ascribed to them in Q. this Activity Agreement, and capitalized terms in any of the water transfer agreements being pooled for administration under this Activity Agreement will have the meanings ascribed under such individual agreement; provided, that in the event of any conflicts, the terms of this Activity Agreement will prevail to determine such meanings.

3. **PURPOSE OF AGREEMENT**

- The purpose of this Activity Agreement is to allow, through the joint exercise of some or all of the common powers of the Activity Agreement Members described in the Recitals above, as appropriate, the Activity Agreement Members to participate through the Water Authority in the benefits, and to share the obligations of, preparing, adopting, and defending environmental documentation for Transfer Agreements under the terms set forth herein and as set forth in each of the Transfer Agreements, respectively.
- B. The parties acknowledge and agree that the Water Authority's role in this Activity Agreement is to: (1) provide the umbrella joint powers agreement pursuant to which the parties may exercise their common powers and to provide services at the expense of the Activity Agreement Members; (2) facilitate environmental reviews for potential annual north to south Transfers; and (3) provide administrative services relating to acquiring Transfer Water pursuant to NORTH TO SOUTH WATER TRANSFERS ACTIVITY AGREMEENT

this Activity Agreement, including, but not limited to, providing notices; negotiating and acquiring the purchase of Transfer Water; coordinating and executing conveyance/forbearance agreements; calculating water allocations; collecting and submitting schedules from Activity Agreement Members to the California Department of Water Resources ("DWR") or Reclamation if necessary under any of the Transfer Agreements anticipated herein; providing advance funding for water acquired through said agreements; and providing billing and accounting services to the Activity Agreement Members during the term thereof.

C. Transfers arranged by individual Activity Agreement Members for their own respective benefit from sellers other than the Independent Covered Sacramento River Transfers that are covered by the Water Transfers EIS/EIR will be administered by the respective Activity Agreement Member(s) and will not be subject to this Agreement, except that such Activity Agreement Members will remain obligated to pay their Allocation Ratios of Activity Agreement Expenses.

4. ORGANIZATION

A. The business of this Activity Agreement will be conducted by the Water Authority at large and therefore governed by the Board of Directors. However, it is recognized that at some time in the future the Activity Agreement Members may wish to form a separate body specifically for the purpose of directing the business of the Activity Agreement. Within twenty-four (24) months of the Effective Date, the Activity Agreement Members will evaluate whether to facilitate the formation of an Activity Agreement steering committee. If the Activity Agreement Members unanimously agree, upon that agreement, the Board of Directors of the Authority will consider establishing the organizational structure proposed by the Activity Agreement Members, which will be described in an amendment to this Activity Agreement, and that organizational structure may then serve as the governing body for this Activity Agreement.

5. POWERS RESERVED TO BOARD OF DIRECTORS AND LIMITATIONS THEREON

A. The Board of Directors will have ultimate approval authority over all Activity Agreement annual budgets based upon the recommendation of staff and approval of the Activity Agreement Members; provided, the Board of Directors may only alter an Activity Agreement annual budget in a manner consistent with the Activity Agreement Members' recommendation.

- B. The Board of Directors will have the right, upon recommendation of or in consultation with staff and the approval of Activity Agreement Members, to approve all amendments to this Activity Agreement, including any amendment terminating the Activity Agreement; providing, that no amendment of this Activity Agreement will be required to add new Activity Agreement Members prior to completion of the Water Transfers EIS/EIR.
- C. The Board of Directors will have the right, upon the recommendation of or in consultation with staff, and the approval of the Activity Agreement Members, in the form of formal Board action, to authorize execution of all Transfer Agreements pursuant to this Activity Agreement.
- D. The Board of Directors will have the right, upon the recommendation of or in consultation with staff, and the approval of the Activity Agreement Members, to act on any claims and to make decisions concerning the prosecution of, defense of, or other participation in actions or proceedings at law brought against the Water Authority arising from this Activity Agreement; provided if that action is taken at the request of the Activity Agreement Members then the costs for such action will be borne by the Activity Agreement Members.
- E. The Board of Directors delegates to staff the power to conduct the activities described in this Activity Agreement pursuant to the terms of this Activity Agreement, without the required approval of the Board of Directors except as specifically provided in this Section 5. This delegation will specifically include, but not be limited to, the power to enter into contracts within approved Activity Agreement budgets.

6. ACCOUNTABILITY, REPORTS, AND AUDITS

- A. Full books and accounts for this Activity Agreement will be maintained by the Water Authority in accordance with practices established by, or consistent with, those utilized by the Controller of the State of California for public entities. The books and records will be open to inspection by Activity Agreement Members at all reasonable times, and by bondholders and lenders as and to the extent provided by resolution or indenture.
- B. There will be strict accountability of all funds deposited on behalf of the Activity Agreement with the Water Authority. The Treasurer of the Water Authority, directly or acting through its Accounting Department, will provide regular reports of Activity Agreement accounts. Funds of the Activity Agreement will be subject to audit by the official auditor of the Water Authority. An Activity Agreement Member may request an independent audit of the Activity NORTH TO SOUTH WATER TRANSFERS ACTIVITY AGREMEENT Page 7 of 19

Agreement funds; such audit will be conducted at the expense of the requesting Activity Agreement Member.

7. AUTHORIZATION TO ALLOCATE ACTIVITY AGREEMENT EXPENSES

Each member of the Water Authority has entered into an Administration Agreement which authorizes agreement(s) by and among the Water Authority and any of its members or other entities (including Friends of the Water Authority) to provide for undertaking and sharing costs and benefits of any authorized activity of the Water Authority.

- A. The Water Authority and the Activity Agreement Members agree that all Activity Agreement Expenses incurred by the Water Authority under this Agreement are the expenses of the Activity Agreement Members, and not of the Water Authority, and will be paid by the Activity Agreement Members based upon the terms of this Agreement and their respective Allocation Ratios for such costs.
- B. The Activity Agreement Members agree that Transfer Costs are the expenses of the Transfer Participants of each respective Transfer Agreement during a particular Water Year and not of non-participating Activity Agreement Members or of the Water Authority; such costs will be paid by the Transfer Participants of each respective Transfer Agreement based upon the terms of this Agreement and their respective Allocation Ratios for such costs.

8. PARTICIPATION IN ANNUAL TRANSFERS

A. <u>Process for Participation:</u>

i. On or before January 1, the Water Authority will conduct by written instrument a survey of the Activity Agreement Members to determine the preliminary quantity of Transfer Water desired by such Activity Agreement Member during such Water Year. Included in the survey response, each Activity Agreement Member shall include a notice of intent (affirmative or negative) to conduct an Independent Covered Sacramento River Transfer. Activity Agreement Member(s) responding in the affirmative will not be included in any negotiations or development of terms or conditions of potential Water Authority Transfers with sellers in the Sacramento River Area of Analysis included in the Water Transfers EIS/EIR. However, without compromising the confidentiality of negotiations with the Activity Agreement Members not seeking an Independent Covered Sacramento River Transfer, the Water Authority may coordinate with the Activity Agreement Member(s) seeking such Independent Covered Sacramento River Transfer. The

response to surveys will be the basis for the Water Authority to initiate activities to obtain transfers needed to meet the preliminary quantity desired by Activity Agreement Members.

- ii. On or before March 1 of each Water Year, those Activity Agreement Members seeking an Independent Covered Sacramento River Transfer shall provide final written notice of their intent to conduct such a Transfer. If any member provides affirmative notice to conduct such a Transfer(s), it shall be excluded from any Water Authority Water Transfer(s) from potential sellers in the Sacramento River Area of Analysis included in the Water Transfers EIS/EIR for that Water Year.
- iii. On or before April 15 of each Water Year, each Activity Agreement Member will notify the Water Authority of its election to participate in or to opt out of each Transfer available for such Water Year, and the total quantity of water it desires to acquire through such Transfer(s).
- iv. For Activity Agreement Members seeking to acquire water hereunder during a particular Water Year, the Water Authority will allocate shares of water under each respective Transfer for such Water Year, until the requested amounts have been fully allocated or until no Transfer Water remains.

B. Negotiation for Transfer Agreements:

- i. After obtaining information from potential sellers, the Water Authority will: (1) circulate to the Activity Agreement Members proposed term sheets for each proposed Transfer for such Water Year, (2) consult with Activity Agreement Members as to their interest in each proposed Transfer for such year, and (3) obtain their directions for any counter-proposals. These steps may be repeated until the Water Authority has sufficient information to proceed to negotiate final terms with proposed sellers.
- ii. The Water Authority will execute any Transfer Agreement only when it has the commitment in writing of at least one Activity Agreement Member to participate in such agreement to the full extent of the required purchase of such Transfer Water.
- C. <u>Election Binds Transfer Participants</u>: Except for costs identified as Activity Agreement Expenses and as otherwise set forth in this Section C, once an Activity Agreement Member has provided notice of its election to participate in specific Transfers for such Water Year, it becomes a Transfer Participant for such Transfers and is obligated to pay for its Allocation Ratio of the Annual Costs for such Transfers for that Water Year.

Any Transfer Participant may be relieved of its obligations under any particular Transfer Agreement if it obtains the written agreement of one or more Activity Agreement Members, with notice to the Water Authority, to fully assume the Allocation Ratio of obligations and benefits of such Activity Agreement Member relating to the particular Transfer for such Water Year.

- D. <u>Allocation Ratio for Transfers</u>: Transfer Water and Transfer Costs for each Transfer during the Water Year will be allocated among the Transfer Participants that have given notice of their election to participate in the respective transfers based upon the Allocation Ratio for each Transfer Participant obtained by dividing such participant's Exhibit "A" Contract Quantify by the total of the Exhibit "A" Contract Quantities for all the Transfer Participants in each such Transfer in that Water Year.
- E. <u>Documentation of Transfers</u>: It is the intent of the Water Authority and the Activity Agreement Members to enter into Transfer Agreements with willing sellers as opportunities arise. A copy of each Transfer Agreement will be provided to an Activity Agreement Member upon request. Additional supplemental Transfer Water will be administered and allocated amongst the Activity Agreement Members according to the terms set forth in this Agreement without further action required by the Water Authority, its Board of Directors, or the Activity Agreement Members.

9. SCHEDULING

The Water Authority, in consultation with Reclamation and/or DWR and the Activity Agreement Members, will develop a process for the scheduling of the water allocated that will be subject to modification from time to time by agreement of the parties, without formal amendment of this Agreement being required.

10. PAYMENT FOR ACTIVITY AGREEMENT EXPENSES AND FOR TRANSFER COSTS

- A. The Water Authority, in consultation with the Activity Agreement Members, will develop a process for payment of costs and timing of payments based on the principles set forth below.
- i. Following annual budget approval, the Water Authority will bill each Activity Agreement Member for approved Activity Agreement Expenses as part of the first billing it prepares for such Activity Agreement Member each year, and payment will be due at the same

time as payment for all other amounts included on such billing. Additional Activity Agreement Expenses will be included in subsequent billings as approved and/or incurred, on a quarterly basis.

- ii. The Water Authority will bill each Activity Agreement Member for Activity Agreement Expenses relating to the Water Transfers EIS/EIR, including Litigation Costs, as incurred, in accordance with the allocation ratios identified in Exhibit "A."
- Transfer Agreement set forth in Exhibit "B" for a particular Water Year for the Transfer Costs for all Transfers in which such Transfer Participant is participating. The Water Authority will provide a monthly billing to each such Transfer Participant and each such Transfer Participant will remit payment within thirty (30) days of receipt of such bill. The Water Authority will promptly remit such sums to the appropriate selling agency consistent with each respective seller's Transfer Agreement. Complete details for pricing and payments required under each of the Transfer Agreements, and the timing of those payments, is set forth in each respective Transfer Agreement. Terms for payment to the Water Authority may be adjusted annually without formal amendment of this Agreement.
- iv. The Water Authority will bill each Transfer Participant for DWR wheeling charges and energy charges allocated to such Transfer Participants share of Transfer Water promptly following receipt of invoices for such charges. Payment will be due within ten (10) days of such billing, and the Water Authority will promptly remit such sums as appropriate.
- B. In the event a Transfer Participant obtains the agreement of one or more Activity Agreement Members to fully assume the Allocation Ratio of such Transfer Participant as discussed in Section 8.C, the Water Authority will have no responsibility to track resulting changes in allocations of Transfer Water or Transfer Costs until it receives a copy of the writing memorializing the allocation adjustment.
- C. Within sixty (60) days following the end of each Fiscal Year during the term of this Activity Agreement, the Water Authority will calculate adjustments to take into account differences between amounts collected from each Activity Agreement Member and actual expenditures made pursuant to the Activity Agreement, including Activity Agreement Expenses and Transfer Costs, on behalf of such Activity Agreement Member. Immediately following such calculation of adjustments, the Water Authority will provide notice of credits or bills for additional charges to the Activity Agreement Members. Each Activity Agreement Member may elect to

obtain refunds or to apply any credit balance and will remit payment of bills for additional amounts within thirty (30) days.

- D. Litigation Costs will be billed to the Activity Agreement Members consistent with the Allocation Ratio identified in Exhibit "A" to the Activity Agreement in all years in which litigation is pending.
- E. Within sixty (60) days following the end of each Fiscal Year during the term of this Activity Agreement, each Activity Agreement Member will report to the Water Authority and all other Activity Agreement Members the total quantity of water delivered to that Activity Agreement Member in the prior Fiscal Year pursuant to the Water Transfers EIS/EIR, including Transfers made outside of the Water Authority's Transfer activities, including but not limited to Independent Covered Sacramento River Transfer(s).
- F. Within sixty (60) days following the final resolution of any litigation relating to the Water Transfers EIS/EIR, the Water Authority will calculate the total amount of Litigation Costs for that litigation. The amount of Litigation Costs allocated to each Activity Agreement Member will be based on the total quantity of water delivered to each Activity Agreement Member. The Water Authority will then make adjustments to each Activity Agreement Member's share of such Litigation Costs. Immediately following such calculation of adjustments, the Water Authority will provide notice of credits or bills for additional charges to the Activity Agreement Members. Each Activity Agreement Member may elect to obtain refunds or to apply any credit balance and will remit payment of bills for additional amounts within thirty (30) days.

11. SOURCE OF PAYMENTS

Each Activity Agreement Member agrees that it will at all times have sufficient money to meet its obligations hereunder and under the JPA Agreement. Each Activity Agreement Member hereby confirms that the Water Authority and other Activity Agreement Members are third party beneficiaries of such Activity Agreement Member's obligations under this Agreement and may take such actions in law or in equity as may be desirable to enforce payments hereunder.

12. <u>INDEMNIFICATION OF AUTHORITY MEMBERS WHO DO NOT PARTICIPATE IN THIS ACTIVITY AGREEMENT</u>

The Activity Agreement Members will hold the Water Authority and each of its members who is not an Activity Agreement Member, free and harmless from and indemnify each of them

against any and all costs, losses, damages, claims and liabilities arising from this Agreement. This indemnification obligation includes the obligation of the Activity Agreement Members to defend the Water Authority, and all members of the Water Authority that are not participants in this Activity Agreement, at the sole expense of the Activity Agreement Members, in any action or proceeding brought against the Water Authority or any of its members not participating in this Activity Agreement to recover any such costs, losses, damages, claims or liabilities arising from this Activity Agreement, as well as the obligation to pay for any and all costs of litigation incurred by the Water Authority as a result of entering into this Agreement Such costs may include, but are not limited to, attorney's fees and costs incurred by the Water Authority pursuant to approved budgets to defend the Water Transfers EIR/EIS, to defend any action of the Water Authority relating to acquisition of any Transfer Water, any award of attorneys' fees and/or costs of litigation awarded to a complaining party, and any other costs of litigation or defense, including any such costs incurred by the Water Authority arising under any of the water transfer agreements.

13. <u>TERM</u>

This Agreement will take effect on November 13, 2023 ("Effective Date"), assuming execution by the Water Authority and at least two (2) Water Authority members prior to that date, and will be retroactive for costs incurred in pursuit of the Water Transfers EIS/EIR or the development of this Activity Agreement and will remain in full force and effect through the term of the Water Transfers EIS/EIR, or until all obligations arising under each of the water transfer agreements have been satisfied, whichever comes later.

14. WITHDRAWAL FROM FURTHER PARTICIPATION

- A. An Activity Agreement Member may withdraw from this Agreement at any time by obtaining the agreement of one or more other Activity Agreement Members to fully assume the benefits and the obligations pertaining to the withdrawing Activity Agreement Member and by satisfying the process and requirements set forth in this Section 14.
- B. <u>Notice and Effective Date</u>: An Activity Agreement Member may withdraw from this Activity Agreement at any time by providing written notice to the Authority and the other Activity Agreement Members. The withdrawal shall be effective thirty (30) days after sending the written notice.

- C. Payment of Obligations: Withdrawal is conditioned upon the withdrawing Activity Agreement Member ensuring to the satisfaction of the other Activity Agreement Members that there are no adverse impacts to those members from the withdrawal. This may occur via the withdrawing Activity Agreement Member's payment or agreement to pay its share of all debts, liabilities, and obligations of the Water Authority pursuant to this Activity Agreement and incurred prior to the effective date of such withdrawal. A withdrawing party shall, within thirty (30) days of the withdrawal date, pay all such Activity Agreement Member's financial obligations incurred prior to such withdrawal date pursuant to the terms of this Activity Agreement or enter into an agreement acceptable to the Authority for continuing payment of such obligations until fully paid.
- D. <u>Rights Following Withdrawal</u>: As of the withdrawal date, all rights of participation in this Activity Agreement shall cease for the withdrawing Activity Agreement Member.
- E. Obligations Following Withdrawal: Withdrawal shall not excuse the withdrawing Activity Agreement Member's performance of obligations imposed upon that party by any judgment which has been entered by a court of competent jurisdiction or regulation to which the Authority or the Activity Agreement Members are subject and that arise from or are related to activities of the Activity Agreement conducted during the period when the withdrawing Activity Agreement Member participated in this Activity Agreement. Furthermore, the indemnification obligations set forth in Section 12 of this Activity Agreement shall survive a party's withdrawal from this Activity Agreement for activities under this Activity Agreement conducted during the period when the withdrawing Activity Agreement Member participated in this Agreement.

15. ADMISSION OF NEW MEMBERS

No additional members of the Water Authority may become participants of this Agreement without the written consent of all of the other Activity Agreement Members and of the Board of Directors. The admission of any Activity Agreement Member pursuant to this section shall be documented by that new Activity Agreement Member signing this Activity Agreement. Upon admission of a new Activity Agreement Member, the parties shall agree to the participation percentage of such new Activity Agreement Member, to be documented in an amendment to this Activity Agreement and Exhibit "B" to this Activity Agreement.

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16. MISCELLANEOUS

- California Environmental Quality Act: The physical, operational, and financial details of the identified range of potential annual north to south water transfers over a ten to 20year period will be analyzed by the Water Authority as lead agency pursuant to the California Environmental Quality Act ("CEQA") in its planned Water Transfers EIS/EIR prepared with Reclamation. The Water Authority has not yet prepared or certified an EIR, but plans to do so in the future. The Water Authority plans to concurrently consider adoption of CEQA Findings of Fact, Mitigation Measures, a Mitigation Monitoring and Reporting Program, and a Statement of Overriding Considerations. The Water Authority and/or Activity Agreement Members may be responsible agencies under CEQA for actions related to water transfers; however, the actions contemplated by this Activity Agreement have no potential for physical effects on the environment. Each potential activity subject to this Activity Agreement or other related agreements has been or will be fully evaluated in compliance with CEQA, as applicable. This Activity Agreement does not, and is not intended to, bind any party to a definite course of action or limit in any manner the discretion of the Water Authority and/or Activity Agreement Members, or any other public agency, as applicable, in connection with the consideration Transfer Agreements, including without limitation, all required environmental review, all required public notice and proceedings, consideration of comments received, and the Water Authority's and/or Activity Agreement Members' or other public agencies' evaluation of mitigation measures and alternatives including the "no project" alternative.
- B. <u>Amendments</u>: This Activity Agreement may be amended in writing by the parties hereto.
- C. <u>Assignment: Binding on Successors</u>: Except as otherwise provided in this Activity Agreement, the rights and duties of the Activity Agreement Members may not be assigned or delegated without the written consent of the Water Authority. Any attempt to assign or delegate such rights or duties in contravention of this Agreement will be null and void. Any approved assignment or delegation will be consistent with the terms of any contracts, resolutions, indemnities and other obligations of the Water Authority then in effect. This Activity Agreement will inure to the benefit of, and be binding upon, the successors and assigns of the Water Authority and the Activity Agreement Members.

- D. <u>Counterparts</u>: This Activity Agreement may be executed by the Water Authority and the Activity Agreement Members in separate counterparts, each of which when so executed and delivered will be an original, but all such counterparts will together constitute but one and the same instrument This Agreement, if executed in counterparts, will be valid and binding on a Party as if fully executed an on one original.
- E. <u>Choice of Law</u>: This Activity Agreement will be governed by the laws of the State of California.
- F. <u>Severability</u>: If one or more clauses, sentences, paragraphs or provisions of this Activity Agreement will be held to be unlawful, invalid or unenforceable, it is hereby agreed by the Activity Agreement Members and the Water Authority that the remainder of the Activity Agreement will not be affected thereby.
- G. <u>Headings</u>: The titles of sections of this Activity Agreement are for convenience only and no presumption or implication of the Intent of the parties as to the construction of this Activity Agreement will be drawn therefrom.
- H. <u>Reasonable Cooperation</u>: Activity Agreement Members will reasonably cooperate with each other and the Water Authority to perform the obligations under this Activity Agreement, assist the Water Authority, when necessary, in carrying out its obligations under any and all of the water transfer agreements contemplated herein, and to carry out the purpose and intent of this Agreement.

IN WITNESS WHEREOF, the Activity Agreement Members and the Water Authority have executed this Activity Agreement as of the date appearing next to their respective signature lines:

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY

Ву:	***************************************	 ***************************************	***************************************	
Name:			·	······
Title:				****
Date:	alta Manda a transcription	 		
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ACTIVITY AGREEMENT MEMBERS

Agency Name:	Agency Name:	
By:		
Name:		
Title:		
Date:		
Agency Name:	Agency Name:	
By:		
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EXHIBIT A ACTIVITY AGREEMENT MEMBERS AND ALLOCATION RATIOS

Activity Agreement Member	Activity Agreement Member Contract Quantity (AF)	Allocation Ratio of Members (%)
TOTAL:		100%

San Benito County Water District Agenda Transmittal

Agenda Item:

Meeting Date: October 25, 2023

Submitted By: Steve Wittry

Presented By: Steve Wittry

Agenda Title: Authorize the Purchase of a Dump Truck from Pape/Kenworth in the

Amount of \$170,625.35

Detailed Description:

The California Legislature has authorized and directed the California Air Resources Board (CARB) to develop specific rules and regulations necessary to achieve healthful air quality. In 2008, CARB required the gradual phasing out of older, heavy duty diesel equipment. This rule is intended to reduce emissions of Diesel Particulate Matter (PM), oxides of nitrogen (NOx) and other criteria from in-use diesel-fueled vehicles.

The District currently utilizes a 1999 Class 7 Sterling Dump truck that is not in compliance with the regulations and must be replaced. Staff reviewed various operational changes that could be incorporated into operations and maintenance procedures to determine if a replacement dump truck of this size is warranted. Options considered included replacement of the vehicle with lower class dump truck (i.e. non air brake equipped), rental/lease options and partnerships with other agencies.

The replacement with a lower class of dump truck would also require the replacement of the backhoe (purchased in 2018) and trailer with smaller equipment. At the time of backhoe purchase, the district opted for a versatile unit that could perform various tasks required. The operations have not changed significantly since 2018 and selling the current backhoe for smaller equipment does not make operational or financial sense.

Leasing of a dump truck was looked at, however, the costs associated with a long-term lease, given the length of service expected from the dump truck (15-20 years), make the purchase more desirable. Similarly, staff looked at possible partnerships with the City of Hollister or the County of San Benito for a 'shared dump truck'. This is not desirable as the District would need to coordinate use in time of need and the equipment may not be available to address emergency situations.

Staff researched the option of purchasing a used vehicle that would be CARB compliant and meet the needs of the District. All of the vehicles listed have extensive mileage and

are for offered for sale at a fairly high price point (many over \$100,000). Staff does not recommend this level of investment into a used dump truck.

Staff reached out to several vendors seeking quotations for a replacement. Due to CARB requirements and seemingly never-ending supply chain issues, local (Salinas, Los Banos, Fresno) and large southern California vendors did not provide a quotation. Staff utilized Sourcewell Inc. a national cooperative purchasing agency that publicly bids a multitude of contracts for public agency use, to get quotations. The lowest quotation received is from Pape/Kenworth, in the amount of \$170,625.35 (including tax and delivery). If approved, delivery is expected in Spring 2024. Based upon the most recent revisions to CARB rules, this vehicle will be CARB compliant until it reaches the end of its life cycle.

During the budget process, the Board approved \$125,000 for a new dump truck. While the actual cost will exceed that figure, this purchase will not result in an overall FY24budget increase due to savings in other line items.

8	<i>6</i>		
Prior Committee or Board Committee approval October		24 Budget appropriati	ion; Administrative
Financial Impact:	x Yes _	No	
Funding Source/ Recap: 300-1471-0000-110-00 (10% 600-1471-0000-110-00 (90%	•		
Material Included for Infor Administration Committee Ro Quotations from Pape/Kenwo Summary of used dump truck	ecommendation orth and Westmark		
Recommendation: Authorize	e the Purchase of a	Dump Truck from Pag	pe/Kenworth.
Action Required:	Resolution	x Motion	Review
	Board Ac	tion	
_Resolution No	Motion By	Second B	У
Ayes		Abstained	
Noes	NAME OF THE PROPERTY OF THE PR	Absent	
Reagendized	Date	No Action	Taken

BOARD AGENDA MEMO

DATE:

October 10, 2023

TO:

Board of Directors

FROM:

Administration Committee

(Flores/Shelton)

SUBJECT: Board Recommendation to purchase a new Dump Truck from

Pape/Kenworth in the Amount of \$170,625.35

The Administration Committee met on October 10, 2023 and discussed the proposals for a new dump truck.

The Administration Committee agreed to recommend Board Approval of the Purchase of a Dump Truck from Pape/Kenworth in the Amount of \$170,625.35.

Director Flores

Director Shelton



PAPÉ KENWORTH

RENWORTH

CUSTOMER TRUCK SALES ORDER

Page 1 of 2

SIC Code:

INVOICE ADDRESS	Buyer Name SAN BENITO COUNTY W.	ATER DIST	DELIVERY ADDRESS	Name		
Address 30 l	MANSFIELD RD.		Address			
City HOLLIS	STER State CA ZIp	95023	City	State	Zip	
Phone (831)	637-8218 Fax		Phone	Fax		
PO No.	Delivery/F,O,B,		Est. Delivery D	ate February 2024		
	Yr/Make 2025 / KW		Mileage		NEW	USED
EQUIPMENT		N No. TBD	ıougo		V	1 77
Description:	T380 CHASSIS					\$121,115.40
	JMP, DELIVERY PREP, FUEL, DEF, I	DETAIL, CH	ROME MATS	TRANSPORT	 	\$36,330,00
			10/11/01			\$0.00
Doc Fee					-	\$85,00
Admin Fee						\$75.00
See attac	ned Kenworth Vehicle Summary or Adde	endum				7,0,00
	ulpment/Accessories		Cost			
CA Tire Recy			\$17.50	Add'l Equipment Sales Price		\$17,50
				Transportation Charges		\$0,00
				Federal Excise Tax		\$0,00
				State Sales Tax 8.25%		\$13,002.45
	Yr/Make	See attache	d Addendum	Misc. Document/License Fee		
TRADE	Model			Less Net Trade-In Allowance		\$0.00
	VIN No.			Total Differential Price	\$	170,625.35
Lienholder	Mileage)		Less Deposit with Order		\$0.00
Trade in Allowa	ce Less (Es	st.) Payoff		Balance Due on Delivery	\$	170,625,35
* The Sales Price Increase or decre	shown in this order will be adjusted by the sar ase in transportation costs between today's date	e and the date o	decrease as any ir f delivery.			•
	NEW STANDARD KENWORTH C					
	VENDOR NEW EXTENDED (desc	cribe)		4444		
WARRANTY	VENDOR NEW EXTENDED (desc	cribe)	· · · · · · · · · · · · · · · · · · ·			
	USED (describe)					****
	AS IS / NO WARRANTY		Buyer Initial:			***************************************
Greenhouse Gas requirements to	or and 53-foot or longer box-type trailer operat Emission Reduction measure. These vehicle reduce greenhouse gas emissions. For gov/cc/hdghg/hdghg.htm.	es may be requ	ired to use low-ro	o the California Air Resources E olling resistance tires and meel sit the California Air Resou	aerodynam	ic equipment
f trade-in, Buyer o The undersigned E	ertilies that there is no lien of any kind and tha uyer places a firm order.	at the Trade is fr	ee and clear and	is his sole and absolute propert	y except as	noted above.
Store 10-SANL	PAPÉ KENWORTH EANDRO			BUYER		
City SAN LEAND	RO State CA Zip 945	577 B	·	Title		
JOHN MCMA	HON Title TERRITORY	MANAGER B	/	Title		
ate 8/30/23		Da	ite			

TERMS AND CONDITIONS OF SALE

TERMS AND CONDITIONS OF SALE: Sales Orders are based on the terms and conditions stated herein. Unless otherwise provided on the face hereof, offers are good for acceptance for a period of 30 days from the date hereof. An order by the Buyer shall constitute an acceptance of the terms and conditions herein proposed. If, and only if, no offer of sale is issued by Seller, then the invoice shall be deemed: an acceptance of the Buyer's order; a written confirmation; and a final, complete, and exclusive written expression of the agreement between Seller and Buyer. Buyer is hereby notified that additional or different terms from those contained herein are objectionable.

- Taxes. Buyer shall pay all local, state, and federal taxes arising from or related to any sale or lease to which this document relates, except for taxes upon or measured by net income of Seller.
- 2. Delivery. Stated or promised delivery dates are estimates only based upon Seller's best judgment and Seller shall not be responsible for deliveries later than promised regardless of the cause. Delivery periods are projected from the date of receipt of any order by Seller, but if equipment to be furnished by Seller is to be manufactured specifically to fill a particular order, delivery periods will be projected from the date of Seller's receipt of complete manufacturing information. If the furnishing of equipment on orders accepted by Seller is hindered or prevented by public authority or by the existence of war or other contingencies, including, but not limited to, shortage of materials, fires, labor difficulties, accidents, delays in manufacture or transportation, acts of God, embargoes, inability to ship, inability to insure against war risks or substantially increased prices or freight rates, or other causes beyond Seller's control, the obligation to fill or complete such orders shall be excused by Seller's option.
- 3. Transportation and Claims. Prices quoted are net F.O.B. point designated in writing by Seller. When no F.O.B. point is designated in writing by Seller, prices for new equipment shall be deemed to be net F.O.B. point of manufacture and prices for all other equipment shall be deemed to be F.O.B. Seller's place of business at which the order for the equipment is accepted. Seller's responsibility for the equipment shall cease and all risk of loss shall become the Buyer's upon delivery of the equipment to the first carrier for shipment to the Buyer or his consignee, even though such delivery shall be made prior to the arrival of the equipment at the F.O.B. point designated, and any and all claims for shortages, deliveries, damages or non-delivery must be made by the Buyer or his consignee to the carrier. Seller shall in no event be responsible for shortages in shipments unless notice of such shortage is given in writing to Seller within 15 days after receipt of shipment.
- 4. Payment and Security. Buyer agrees to pay in full for the equipment at time of delivery. Buyer agrees to pay the late charge on any past due balance at the rate of 18% per annum. The signator warrants that he/she has authority to execute this order on behalf of any party for whom he/she signs, and that such party has the power to enter into this agreement and perform its terms. As security for all of Buyer's obligations to Seller, Buyer grants to Seller a security interest in the equipment and authorizes Seller to file all documents necessary to perfect Seller's security interest. The security interest granted hereunder is in addition to any other rights available to Seller, and Seller shall have all of the rights and remedies available to a secured party under the Uniform Commercial Code, all of which are cumulative. Throughout the duration of Seller's security interest. Buyer shall keep the equipment fully insured against theft and loss or damage by fire and other casualty as Seller may from time to time require in accordance with such terms as Seller may require.
- 5. Buyer to Furnish. Performance by Seller is subject to the Buyer furnishing a satisfactory credit rating certificate, letter of credit, evidence of financing, or any other similar papers necessary for the satisfactory completion of such order.

- 6. Assignment. The right to any monies due or lo become due hereunder may be assigned by Seller, and Buyer, upon receiving notice of such assignment, shall make payment as directed.
- 7. Limitations of Warranties, if "NEW" warranty is indicated on the reverse side or if new equipment is purchased hereunder, all warranties are strictly given only by the manufacturer. Copies of manufacturer's warranty can be obtained from Seller. If "USED" warranty is indicated on the reverse side. Seller hereby warrants to Buyer that the equipment or components thereof designated on the reverse side, shall be free under normal use and service from defects in material and workmanship for the period shown, commencing on the date of delivery. Buyer's exclusive remedy for breach of the limited warranty shall be the repair or replacement of the warranted equipment without charge to Buyer when returned at Buyer's expense to the Seller's facility where the equipment was purchased, with proof of purchase. Buyer must give notice of any warranty claim not later than 7 days after the expiration of the warranty period and must return the equipment to Seller for repair or replacement no later than 30 days after expiration of the warranty period. Any action against Seller for breach of the limited warranty must be commenced within one year after the date of delivery of the equipment. Seller's warranty does not extend to any defect, claim, or damage attributable to the failure to operate and/or maintain the equipment in accordance with the manufacturer's specifications, or due to the fallure to operate or maintain the equipment in accordance with any recommendations of Seller. If "AS IS" is indicated on the reverse side, no warranty of any kind is being given and the equipment is being sold with all faults. THE WARRANTIES IN THIS PARAGRAPH AND ON THE REVERSE SIDE ARE THE EXCLUSIVE WARRANTIES GIVEN BY SELLER AND SUPERSEDE ANY PRIOR. CONTRARY, OR ADDITIONAL REPRESENTATIONS. WHETHER ORAL OR WRITTEN, SELLER HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING OR USAGE OF TRADE. SELLER SHALL NOT BE LIABLE FOR ANY LOSS, INJURY, OR DAMAGE TO PERSONS OR PROPERTY RESULTING FROM THE FAILURE OR DEFECTIVE OPERATION OF THE EQUIPMENT; NOR WILL SELLER BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND SUSTAINED FROM ANY CAUSE. This exclusion applies regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory.
- 8. Notice. This paragraph shall serve as notice that The Papé Group, Inc. has assigned its rights to sell its rental equipment (as may be described in this sales order) and its rights to sales proceeds (including "trade-in assets" related thereto) to North Star Deferred Exchange as part of an IRC Sec. 1031 exchange.
- 9. Attorneys Fees. In the event sult or action is instituted against Buyer on account of or in connection with or based upon the terms hereof, the Buyer agrees to pay, in addition to the costs and disbursements provided by law, such sum as the court may adjudge reasonable attorney's fees in both the trial and appellate courts, or in connection with any bankruptcy proceeding.
- 10. Entire Agreement. The foregoing and any addendum shall constitute the complete and exclusive agreement between the parties, and it is expressly understood and agreed that no promises, provisions, terms, warranties, conditions, guarantees, or obligations whatsoever, either expressed or implied, other than as herein set forth or provided for shall be binding on either party. Each party may transmit its signature by facsimile to the other party and such facsimile signatures shall have the same force and effect as an original signature.

I have read, understand and am bound by the above Terms and Conditions of Sale.	
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PAPÉ KENWORTH - SAN LEANDRO (P350) 1755 ADAMS AVENUE SAN LEANDRO, California 94577 SAN BENITO COUNTY WATER DIST 30 MANSFIELD ROAD HOLLISTER, California 95023 United States of America

John McMahon
Cell Phone:
Office Phone:
Email: jmcmahon@papekenworth.com

BARBARA MAURO

Email: bmauro@sbcwd.com

Vehicle Summary

	Unit	Chassis	
Model:	T380 Series Conventional	Fr Axle Load (lbs):	12000
Type:	FULL TRUCK	Rr Axle Load (lbs):	21000
Description 1:	33K GVW 5 to 7 YRD DMP	G.C.W. (lbs):	45000
Description 2:	330HP ALLISON		
	Application	Road Conditions:	00
Intended Serv.:	Local Pickup & Delivery: Vehicles which	Class A (Highway)	90
Commodity:	General Freight	Class B (Hwy/Mtn)	10
		Class C (Off-Hwy)	0
	Body	Class D (Off-Road)	0
Type:	Van	Maximum Grade:	6
Length (ft):	11	Wheelbase (in):	189
Helght (ft):	12	Overhang (in):	75
Max Laden Weight (lbs):	4000	Fr Axle to BOC (in):	67.5
		Cab to Axle (In):	121.5
	Trailer	Cab to EOF (in):	196.5
No. of Trailer Axles:	0	Overall Comb, Length (in):	304
Type:			
Length (ft):	0	Special Req.	
Helght (ft):	0	U.S. Domestic Registry, 50-state.	
Kingpin Inset (in):	0		
Corner Radius (in):	0		
	Restrictions		
Length (ft):	. 75		
Width (in):	102		
Helght (ft):	13.5		
Approved by:	·	Date:	

Note: All sales are F.O.B. designated plant of manufacture.

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Model				
0000380	s	T380 Series Conventional	107,796	9,930
0070086	S	T380 Aero Hood	0	0
0080050	0	CARB Clean Idle Label - PACCAR PX Engines	36	(
0080314	0	EPA Clean Idle Label - PACCAR PX Engines	36	• (
0090143	0	T380 Automatic	0	(
0098405	0	State of Registry: California	0	(
Engine &	& Equ	ipment		
0130221	0	PACCAR PX-9 330 330@1750 1000@1200, 2024 With Turbo Exhaust Brake (VGT Brake) N09420 C333 0Reserve Speed Limit Offset (N09380 C334 0Maximum Cycle Distance (N202 N09360 C400 252Reserve Speed Function Reset N09200 C399 120Standard Maximum Speed Limit N09400 C401 10Maximum Active Distance (N20 N09220 C402 0Expiration Distance (N207) N09540 C395 0Expiration Distance (N209) N09260 C121 64Max Vehicle Speed in Top Gea N09440 C234 NOEngine Protection Shtdwn N09460 C231 NOGear Down Protection N09580 C133 5Idle Shtdwn Time N09680 C233 NOIdle Shtdwn Override N09480 C132 1400Max PTO Speed N09300 C128 64Max Cruise Control Speed N09500 C239 NOCruise Control Auto Resume N09500 C238 NOAuto Engine Brake in Cruise N09780 C190 80High Ambient Temperature Thr N09740 C188 40Low Ambient Temperature Thre N09760 C189 60Intermediate Ambient Tempera N09720 C382 YESEnable Hot Ambient Automatic N09600 C396 YESEnable Impending Shutdown N09640 C206 35Engine Load Threshold N09560 C225 YESEnable Idle Shutdown Park Br	10,290	694
1000047	0	CARB Emissions Warranty Engine	0	(
1000151	S	PremierSpec	0	(
1000244	0	Gearing Analysis: Balance	0	(
1000256	0	power/economy blend results. Customer's Typical Operating Spd: 64 MPH	0	(

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Sales Code	Std. Opt		* \$ List	Welgh
1000524		RegistrationYear	0	······································
		Year of Registration: 2024		
1000684		Effective VSL Setting NA	0	
1000858	0	Engine Idle Shutdown Timer Disabled	0	Y
1000859	0	Enable EIST Ambient Temp Overrule	0	
1000891		Eff EIST NA Expiration Miles Use only with MX and Cummins engines	0	
1002060	S	Air Compressor: Cummins 18.7 CFM For Cummins And PACCAR PX engines.	0	-
1041399	S	Air Cleaner: MD Composite Engine Mounted	0	
1105231	0	Fan Hub: Horton On/Off for PX-9 or L9N	66	
1121231	S	Cooling Module: 2.1M MD - Aero Hood 1000 Square Inches	0	
1247263	0	EXH: Single Can 2024 RH Under with RH Side-of-Cab Vertical Tallpipe	2,941	(
1290124	0	Tailpipe: 5 in. single 24 in. 45 degree curved.	154	1
1321102	S	Fuel Filter: PACCAR 2.1M MD for PX-7 or PX-9 Fuel/water separator for 2021 and later engines.	0	(
1321200	S	Run Aid:None *For Fuel Filter	0	(
1321300	S	Start Aid:None *For Fuel Filter	0	(
1700149	0	Retarder: Jacobs for PX-9 and ISL With 3-way switch. Replaces the standard turbo brake for PX-9 engines.	2,486	57
1816260	S	Alternator: PACCAR 160 amp, Brush Type	0	(
1821220	S	Batteries: 2 PACCAR GP31 Threaded Post (700-730) 1400-1460 CCA dual purpose.	0	(
1836106	0	Mitsubishi 105P55 12V Starter with Cummins and PX PACCAR 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded. Only for Cummins or PX engines.	39	(
1840065	S	12V Low Voltage Disconnect for Battery Protection	0	(
1840067	0	Battery Disconnect Switch Mounted on Battery Box Provides One (1) Switch	395	(
1900996	0	Jump Start Terminals Under Hood.	71	(
1901018	S	Remote PTO/Throttle, 12-Pin, 250K, Back of Cab OR Back of Sleeper, J1939, Remote Control Provision	0	(

Transmission & Clutch

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399	10,112	Transmission: Allison 3000RDS 6-speed, With PTO drive gear. 6th Generation controls. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Requires a push button shift control code. Oil temperature gauge is standard on class 8 models. Transynd transmission fluid is standard on all Allison	0	2011613
68	342	1000, 2000, 3000 & 4000 series transmissions. Driveline: 2 Dana SPL140 1 Centerbearing	0	2406440
C	0	Torque Converter Included W/ Allison Transmission.	0	2410018
C	0	Push Button Shifter Controls, Center Console Mounted for Allison Transmission. 2.1m Medium Duty only.	0	2410153
(0	Allison Fuel Sense: Delete	0	2410204
C	0	Allison Neutral at Stop	0	2410310
C	93	Rear Transmission Support Springs for transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed.	0	2429358
		Equipment	xle &	Front Ax
C	0	Hendrickson Steertek Front Axle 12.5K rated @ 12K Standard Track 3.32 in. drop.	S	2532104
C	0	Front Brakes: 14.6K Bendix ES S-Cam 16.5x5 in.	S	2621310
C	0	Front Brake Drums: 14.6K 16.5x5 In. cast.	S	2690002
C	0	Front Hub: Iron Hub Pilot 14,600 lbs. 11-1/4 ln. bolt circle, For use w/ air disc brakes. Consider wheelguards (5850002) w/ aluminum wheels.	S	2702500
(0	ConMet PreSet Plus Hub Package; Front Axle,	S	2741970
0	0	Hubcap: Front Vented.	S	2750001
C	0	Front Auto Slack Adjuster for Drum Brakes.	S	2765001
C	0	Front Springs: Mono-leaf 12K W/ Shock Absorbers With maintenance-free elastomer spring pin bushings.	S	2883002
C	0	Single Power Steering Gear: 13.2K for Air Brakes,	S	2895223
0	0	50 mm Front Suspension Spacer Block	0	2900061
		Equipment	de & E	Rear Ax
C	0	Single Meritor MS21-14x4 Rear Axle rated at 21K.	S	3032200
C	0	Rear Axle Ratio - 5.13.	0	3200513
0	0	Single Rear Brakes 16-1/2x7 in. Bendix ES-	S	3330004

Quote Number: QUO-973592-M5K016

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		extended service S-cam.		
3392007	S	Single Rear Brake Drums: Cast S-Cam Single	0	······································
		For use with 15x8.625", 16.5X7" or 16.5X8.625" brake.		
3403220	S	Single Rear Hubs: Iron Hub Pilot 26k; 11.25" Bolt	0	
		circle. Requires "R" series outer ends.		
3441971	S	ConMet PreSet Plus Hub Package; Single Rear Axle.	0	
3465001	S	Single Rear Axle Automatic Slack Adjusters. For use with drum brakes.	0	
3485007	S	Spring Brake: 3030 Long Stroke Single 3 in. travel. For drum brakes. Helps keep brakes in adjustment longer.	0	
3495226	S	Bendix 4S/4M Anti-Lock Brake System.	0	
3622215	0	Rear suspension: single Hendrickson HAS210L 21K. Welded steel crossmember and gussets w/shocks at 8.3 in. laden helght, 8.5 in. unladen helght. Medium-duty. Includes air suspension dump valve. Not rear air disc brake compatible.	1,076	-12
Tires &	Whee	els		
4030023	0	Front Tires: Goodyear Endurance RSA 11R22.5 14PR	444	1
4238739	0	Rear tires: Goodyear Fuel Max RTD 11R22.5 14PR 42.1 in. diameter, all position, 19.6 in, SLR, Code is priced per pair of tires.	1,160	4
4900004	0	Rear Tire Quantity: 4	0	
5042292	S	Front Wheel: Accuride 51455 22.5x8,25 steel	0	
		Steel Armor[TM] powder coat, hub-pllot mount. 7400lb. maximum rating. 5-hand hole. Air disc brake compatible.		
5242392	S	Rear Wheel: Accuride 51455 22.5x8.25 steel Steel Armor[TM] powder coat, hub-pilot mount. 7400lb. maximum rating. 5-hand hole. Air disc brake compatible. Code is priced per pair of wheels.	0	
5853906	0	Powder Coat White Steel Wheel. Use in Conjunction with front, dual front, rear, spare or lift axle wheel code(s). All wheels	0	
5900004	0	on chassis must have same finish color. Rear Wheel/Rim Quantity: 4	0	·**
rame &				
6054250	S	Frame Rails: 10-5/8 x 3-1/2 x 5/16 in. Steel to 308 in. Truck frame weight is 2.91 lbin. per pair of rails. Section modulus is 14.80 cu.in., RBM is 1,776,000 in-lbs per rail. 120,000 PSI yield. Heat treated. Frame rall availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications. The results of the engineering review may result in a change to the requested frame rail. If a change is required Kenworth Application Engineering will advise the dealer of the appropriate material specification for a substitute rail.	0	15
302460	0	Bumper: Tapered Painted Steel Channel.	475	6

Quote Number: QUO-973592-M5K616

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6319040	S	40 in. Bumper Setting. Requires a Bumper Code.	0	0
6321010	S	Front Tow Loops: Two	0	. 0
6391201	Ò	Custom Frame Layout: One Chassis CFL A/D: R/H Inside and below top of frame	1,380	0
6397001	0	Huck Bolts Throughout Frame, where Possible.	0	0
6400644	0	Battery Box Cantilever Aluminum BOC with Smooth natural finish aluminum cover.	447	19
6409902	S	Battery Box Location: RH Side.	89	0
6451125	0	DPF/SCR Box Natural End Plates and Natural cover.	0	0
6490138	S	Stamped Steel Intermediate/ Fill-in Crossmember.	0	0
6490433	0	Heavy-Duty 5-Piece Rear Cab Support, Hucked assembly. Huck fastened to frame.	57	15
6737120	0	Quarter Fenders: Black Polypropylene W/ Painted steel brackets, single post mounted, 21 in. white top flap with logo.	193	43
6742009	S	Square End-of-Frame W/O Crossmember; Non-Towing.	0	C
Fuel Tar	ıks &	Equip		<u> </u>
7140050	s	50 US Gallon D-Shape 'Rectangular Aluminum Under fuel tank, replace, With non-slip step.	0	0
7722170	S	Small DEF Tank, 5.5 Gallons.	0	0
7889203	0	DEF to Fuel Fill Ratio 2:1 or Greater.	0	0
7889606	S	DEF Tank Location Is LH Under Cab.	0	0
7920050	S	Location: 50 gal fuel tank LH under cab	0	0
Cab & E	quipn	nent		
8024311	S	Cab: Stamped Aluminum with Curved Windshield LED markers. Requires seperate roof code.	0	0
8090154	0	Hood: Short Aero w/ Chrome Crown	107	0
8108002	0	Fine Particulate Filter for Cabin Air HVAC system. To provide extra filtration in high dust applications. Cabin airflow is reduced with this additional filter. *Cannot be used with code 8108003.	35	0
8108011	S	Cab HVAC - Day Cab and 40 in. Sleeper System With Defrost, A/C, and 48,000 BTU/hr Heater. Includes automatic temperature control with one touch defrost operation and dash mounted cab temperature and solar intensity sensors. Pleated fresh air filter and cabin recirculation air filter standard. The Kenworth HVAC system is designed to provide optimal heating and cooling in all	0	0

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Code	Up	Description	* \$ List	Welgh
		operating environments without need for additional insulation. Cab HVAC without sleeper heater AC is available with 40in sleeper.		
8201013	S	Steering Wheel: 18 in. 4-Spoke.	0	(
8201200	S	Adjustable Telescoping Tilt Steering Column.	0	(
8203060	0	5 Sets of Keys. Replaces Standard 2 Sets of Keys.	34	C
8203196	0	Dash Mounted Compact Trailer Brake Valve. Self Returning.	0	O
8205177	0	Dash Switch:1st Allison-Mounted PTO. Electric switch and wiring are factory-installed to control the 1st Allison Trans mounted PTO.	167	0
8208476	0	Three Spare Switches: Wired to Power, BOC Wire termination.	71	0
8220106	0	Gauge: Dash Mounted Air Filter Restriction Gauge.	122	0
8221105	0	Gauge: Air Application Gauge.	46	0
8221144	0	Gauge: Air Suspension Pressure Gauge.	110	0
8222402	0	Gauge: DD Virtual Gauge - Traller Reserwir	74	0
8222403	0	Gauge: DD Virtual Gauge - Trailer Brake Application	55	0
8222407	0	Gauge: DD Virtual Gauge - Axle Temp Forward Rear Or Single Rear	95	0
8222409	0	Gauge: DD Virtual Gauge - Air Filter Restriction	0	0
8222411	0	Gauge: DD Virtual Gauge - Eng Pto Hour	36	0
8222413	0	Gauge: DD Virtual Gauge - Manifold Pressure Boost	0	0
8222414	0	Gauge: DD Virtual Gauge - Engine Percent Torque	0	0
8222418	0	Gauge: DD Virtual Gauge - Engine Hours Instrument Cluster	0	0
8222419	0	Gauge: DD Virtual Gauge - Volts Instrument Cluster	0	0
8222712	0	Gauge: Fuel Filter Restriction Gauge.	130	0
3282024	S	Main Instrument Package: 7" Digital Display	0	0

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8601432	0	Kenworth Radio DEA710 AM/FM/WB/USB, Bluetooth	394	0
8410102 8478051	0 	Driver Seat: KW Air Seat HB Vinyl w/o Armrests w/ Susp Cover Rider Seat: KW Toolbox 2-Man Bench Vinyl	76	0
8601432	0	Kenworth Radio DEA710 AM/FM/WB/USB, Bluetooth	394	U
8601874	0	CB Radio: Cobra 29 W/Weatherband/ Single Ant. Transceiver/ Sound Tracker/ Illium Panel w/microphone clip mtd on side	476	0
8698965	0	Speaker Package For Cab: (2) Speakers B-Pillar	51	0
8700196	S	Turn Signal: Self-Cancelling	0	0
8700283	S	LH and RH Trip Ledge Rain Deflectors	0	0
8700663	0	Kenworth TruckTech+: This system provides the World's Best reporting of engine and aftertreatment fault codes, as well as enhanced support for the truck owner through rapid communication of fault severity and recommended actions. This is standard on all Kenworth models with a PACCAR MX engine, Cummins X15 engine, PX engine or Natural Gas engine.	0	0
8800402	S	Dual Cab Interior Grabhandles: A Pillar Mounted Dash Wrap and B Pillar Mounted Grabhandles	0	0
8832113	S .	Kenworth Daylite Door With Standard LH/RH electric door locks and LH/RH electric window controls.	0	0
8850139	S	Look-Down, Pass. Door, Black 11x6	0	0
8850842	S	Mirror Shell: Dual Aero In-Mold Black	0	0
8860852	0	Mirror: Dual KW Aero Rear View	66	0
8871446	S	Motor, heated with Integral CX Rear Cab Stationary Window 19in x 36in	0	0
8890101	S	One-Piece Bonded-in Windshield With Curved Glass.	0	0
		Standard.		
8890874	0	Kenworth Cab Air Suspension.	133	0

Lights & Instruments

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9010803	S	Headlamps: Single Halogen Complex Reflector w/ Turn Indicator, Reflector and DRL. Fender Mtd.	0	(
9022137	S	Marker Lights: Five, Rectangular, LED	0	(
9030052	S	LED Stop, Turn, Tail: With Two LED	0	(
9090049	0	Backup Lights and With An LED License Plate. Omit Brake Light with Engine Brake. Can only be selected when chassis also has engine brake. Cannot be used with options to delete engine brake.	0	C
Air Equ	ıipmer	XXXXXXX		
9101218	S	Air Dryer: Bendix AD-HF Puraguard Heated	0	(
9108001	S	Moisture Ejection Valve W/ Pull Cable Drain.	0	(
9110020	0	Full Truck Kit Gladhands mounted at end-of-frame. Seven-way female receptacle mounted at end-of-frame in taillamp bracket. Kit includes dash mounted traller air supply valve, traller hand control valve, and hoses/fittings for the valves. Dash mounted parking brake valve, tractor protection valve, and spring brake inversion/relay valves are standard.	938	15
9140020	S	Nylon Air Tubing in Frame & Cab, Excluding Hoses subject to excessive heat or flexing.	0	(
9140238	0	Locate Air Dryer Outside RH Rail BOC. This code requires the use of a custom frame layout code.	0	C
9140328	0	Trailer ABS Electric Supply Through SAE J560 7-pin connector per TMC RP137).	0	C
Extende	ed War	ranty		
9200008	0	Base Warranty - PACCAR PX-9 Engine 24 months / 250,000 miles / 402,336 km / 6250 hours,	0	C
9200022	S	Base Warranty - Standard Service Medium Duty 12 months / Unlimited miles & km	0	C
9210374	0	2024 CARB Legacy Engine Provision: PX	9,000	0
9212661	0	TruckTech+ RD - 5YR Sub PACCAR PX Engines	799	0
220006	0	Base Warranty: Emissions (CARB Operation) 5YR/150K MI - PX-9 Engine	1,866	0
Viiscellai	neous			
9409852	0	GHG Secondary Manufacturer: Does Not Apply	0	0
491659	S	VMUX Architecture	0	0
romotic	ons			
aint				
Paint 9700000	0	Paint Color Number(s).	0	

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Sales Code	Std/ Opt	Description	\$ List	Welght
		N9702 A - L0006 WHITE N9770 BUMPER L0006 WHITE N9720 FRAME N0001 BLACK		
9943002	0	Bumper Painted Other Than Color A: Specify Color	791	. 0
9943048	0	Day Cab Bulk Paint	0	0
9943050	S	Day Cab Standard Paint	0	0
9944820	S	1 - Color Paint - Day Cab Color will be White if no other color is specified.	0	0
9965510	S	Base Coat/ Clear Coat. The Kenworth Color Selector contains additional instructions, as well as information on Kenworth paint guidelines and surface finish applications. Kenworth is standard with Dupont Imron Elite paint.	0	0

Special Requirements

Special Requirement 1 0098025

Special Regulrement 2

Special Requirement 3

Special Requirement 4

Order Comments

Total Weight

11,407

Prices and Specifications Subject to Change Without Notice.

Unpublished options mayrequire review/approval.

Dimensional and performance data for unpublished options mayvary from that displayed in CRM,

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While we make every effort to maintain the web site to preserve pricing accuracy, prices are subject to change without notice. Although the information in this price list is presented in good faith and believed to be correct at the time of printing, we make no representations or warranties as to the completeness or accuracy of this information. We reserve the right to change, delete or otherwise modify the pricing information which is represented herein without any prior notice. We carefully check pricing specifications, but occasionally errors can occur, therefore we reserve the right to change such prices without notice. We disclaim all liability for any errors

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or omissions in the materials. In no event will we be responsible for any damages of any nature whatsoever from the reliance upon information from these materials. Please check your order prebills to confirm your pricing information

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Shipping Destinations

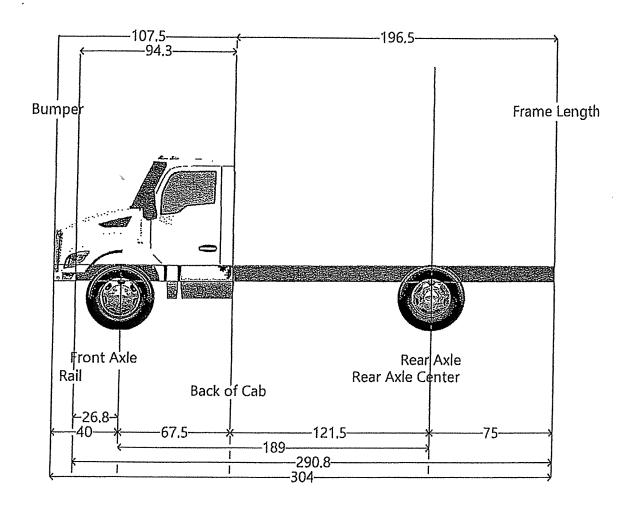
Intermediate Destination:

Final Destinations	Quantity	
		i

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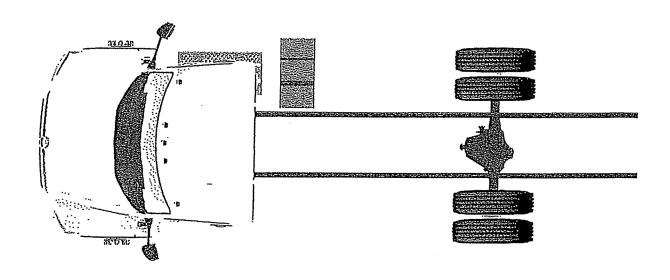
HORIZONTAL DIMENSIONS



Dimension	Weasurement	Start	End
Axle Spacing	0	189	189
Bumper to Back of Cab	107.5	-40	67.5
Bumper to Front Axle	40.0	-40	0
Bumper to Front Frame	13.2	-40	-26.8
Cab to End of Frame	196.5	67.5	264
Cab to Rear Axle	121.5	67.5	189

Effective Bumper to Back Of Cab	707.5	-40	۵/.5
Frame Length	290.8	-26.8	264
Front Axle to Back of Cab	67.5	. 0	67.5
Front of Frame to Axle	26.8	-26.8	0
Load Space	196.5	67.5	264
Overall Length	304.0	-40	264
Overhang	75.0	189	264
Pusher Offset #1	0.0	189	189
Pusher Offset #2	0.0	189	189
Pusher Offset #3	0.0	189	189
Tag Offset	0,0	189	189
Wheelbase	189	0	189

FRAME LAYOUT



Note: Optional content may be displayed. The order has not yet received an engineering review. The actual arrangement of components may not be exactly as pictured.

Additional changes may be made to the layout by Kenworth. Add a Custom Frame Layout code if an exact layout is required.

elected Options (Wheelbase: 189)

Sales Code	Description	Length	Side
140050	50 US Gallon D-Shape Rectangular Aluminum Under	32,7	Left
722170	Small DEF Tank, 5.5 Gallons.	6.6	Left
400644	Battery Box Cantilever Aluminum BOC with Smooth	17.5	Right

Western Construction Components, Inc.

10477 S Avenue 4E

Yuma, AZ 85365

928-726-5555

westernconco@gmail.com

www.westernconstructioncomponents.com



SHIP TO SECTION SECTIO PAPE KENWORTH (JOHN MC

MAHON)

	ADDRESS	1
	PAPE KENWORTH (JOHN	MC ·
	MAHON)	•
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	1 4	i
ESTIMATE #	DATE	
187199	108/29/2023	1

DESCRIPTION	QTY	RATE	AMOUNT
BODY LENGTH: 12 (foot) x BODY SIDE HEIGHT:	1	26,500.00	26,500.00
36"(inch) APPROXIMATELY BODY STYLE: ELLIPTICAL - HALF	1	:	
ROUND (HALF FENDERS)			
BODY SIDE MATERIAL: 1/4"(inch) AR 450 HARDOX			
BODY FLOOR MATERIAL: 1/4"(inch) AR 450			
HARDOX TAILGATE MATERIAL: 1/4"(inch) AR 450 HARDOX			
TAILGATE DESIGN: YES GRAVITY GATE -	•		
SWING GATE TOOLBOX: NO	:		
DITCH GATE: NO CHAINS: YES		:	
SPREADER APRON: YES	! :	•	
SUB-FRAME: YES CAB-SHIELD: YES	•		:
HYDRAULIC TANK: YES	•	•	·
HYDRAULIC HOIST: YES SIZE: _106"(inch) TYPE: PIN TO PIN	!	• !	
HEADBOARD DESIGN: YES -	•	:	
BALEMOUNT HITCH PLATE: YES AIR PINTLE	1	. :	•
PLUMP FOR PUP: NO	:		:
TARP SYSTEM: YES ELECTRICCUSTOMER			÷
PTO: YES TYPE:	:	•	
PUMP TYPE: YESAIRDIRECT MT CABLE CONTROL		• •	
INSTALLED: YES	:	:	
PAINT: YES COLOR: WHITE PRIME: YES	: :	· :	:
OTHER OPTIONS: (CA REQUIRED IS 121"")	i	·	··

Estimate

STEEL SURCHARE MAY APPLY AVAILABLE OPTIONS AUTOMATIC TRA NSMISSION PTO \$2550. WOOD RUNNERS \$1350.00 CENTER DITCH GATE \$600.00

TOTAL

\$26,500.00

Accepted By

Accepted Date

Customer / Agency Pricing Customer / Agency Pricing	Customer /	Agency Pricing Customer / Agency Pr	leing	
Sourcewell contract - Cab & Chassis Price		Upfit Equipment / Body / Serv	/ices, etc	
Truck List Price (contract price pages)	\$144,185.00	Total Body/ext.warranty/equipment, etc.	\$	34,600.00
Sourcewell Price Factor for model:	0.840	Upfit Body, Services, etc. Mark Up % (max 5%)	-	5.00%
Cust. Min List Upcharge if applies (le= +\$1,000):	\$0.00			
Materials Surcharge is no longer applied to customer calculation	\$0.00			1
Local Discount (Dealer discretion)	\$0.00	1		į
Member Chassis Price	\$ 121,115.40	Member price body, warranty, and other goods	\$	36,330.00

	Total FET, Tax and state fees:	\$ -
•	Total Member Price (Chassis + body/other + tax)	\$ 157,445.40

PROPOSAL



2704 Railroad Avenue, Ceres, CA 95307
 P.O. Box 100, Ceres, CA 95307-0100
 (209) 537-4747 - FAX (209) 537-1753

Date: 8/31/2023 Quote # WM3236 RFQ#

San Benito County Water District Barbara Mauro 30 Mansfield Rd. Hollister, CA 95024 Contract # 060920-CER Member # 169289 Row 1 Part # DUMPTRUCK2

Ship To: San Benito County

QTY	DESCRIPTION	LIST PRICE	DISCOUNT	PRICE EACH	SALES TAX	DELIVERY	SUBTOTAL	TOTAL
1	CLASS 7 DUMP TRUCK	\$ 207,459.00	24.00%	\$ 157,668.84	\$ 13,007.68	\$ 2,500.00	\$ 173,176.52	\$ 173,176.52
				\$ -			\$ -	\$ -
				\$ -			\$ -	\$ -
				\$ -			\$ -	\$ -
	SALES TAXI	SESTIMATEDANDA	SUBJECTTO	GHANGE BASEDIO	NEXACTISHPITO	JADDRESSI (IST	DONORDER	
						,	GRAND TOTAL:	\$ 173,176.52

Above pricing meets or exceeds applicable Sourcewell contract pricing discounts under West-Mark's contract

Pricing is good for 30 days.

Current standard delivery is 310 days ARO

Please see attached West-Mark specifications number WM3236 for a detailed description of our offer.

•	•	\sim		B.#	-	K 17	rs.	
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OPTIONS (Pricing includes Sales Tax): Ditch Gate \$771.29; Beacon Light on Top of Cab Guard \$1,536.39; Manual Spring Rewind Pull Tarp \$2,048.51; Rear Hitch Plate W/ Electric Plug, D-Rings, and 45T PinIte \$3,794.71.

Unit(s) Manufactured:

Interstate Truck Bodies (CAGE: 0ZY48) 3215 W. Lincoln Street, Phoenix, AZ 85009

Thank you for your consideration of our offer,

Steve Buckner Jr.

Director of Government Sales



CHASSIS SPECS

	Data Code	Description	Weight Front	Weight Rear	
Price L	evel				
	PRL-28M	M2 PRL-28M (EFF:MY25 ORDERS)			<u> </u>
Data Ve	ersion				
	DRL-009	SPECPRO21 DATA RELEASE VER 009			
Vehicle	Configuratio	n			
B10015-1010-10-	001-172	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450	2 (4.10) 11 12 20 20 20 20 20 20 20 20 20 20 20 20 20
	004-225	2025 MODEL YEAR SPECIFIED			
	002-004	SET BACK AXLE - TRUCK			
	019-004	STRAIGHT TRUCK PROVISION, NON-TOWING			
	003-001	LH PRIMARY STEERING LOCATION			
Genera	l Service				
	AA1-002	TRUCK CONFIGURATION			
	AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)			
	99D-018	CARB EMISSIONS CERTIFICATION FOR INITIAL REGISTRATION IN CALIFORNIA AND CARB OPT-IN STATES - CARB CLEAN IDLE (INCLUDES 6X4 INCH LABELS LOWER FORWARD DRIVER DOOR)			
	AF2-013	INITIAL REGISTRATION CALIFORNIA			
	A85-011	CONSTRUCTION SERVICE			
	A84-1GM	GOVERNMENT BUSINESS SEGMENT			
	AA4-002	LIQUID BULK COMMODITY			
	AA5-006	TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN TRANSIT, IS SPENT ON NON-PAVED ROADS			
	AB1-008	MAXIMUM 8% EXPECTED GRADE			
	AB5-003	MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			
	995-091	MEDIUM TRUCK WARRANTY			
	A66-99D	EXPECTED FRONT AXLE(S) LOAD: 12000.0 lbs			
	A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD: 21000.0 lbs			
	A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 33000.0 lbs			
Truck S	ervice				
Laurent Lauren	AA3-003	TANK BODY	,		
	AF3-2C8	WEST-MARK			
	AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES: 32.0 in			
Engine					
	101-2M5	DD8 7.7L 6 CYL SINGLE STAGE 260 HP @ 2200 RPM, 2600 GOV RPM, 660 LB-FT @ 1200 RPM	450	30	



Data Code	Description	Front	vveignt Rear
Electronic Paramet	iers		
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79F-013	FLEET MANAGEMENT - DAILY ENGINE USAGE ENABLED		
80G-001	PTO MINIMUM RPM - 600		
80L-001	ENABLE AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE		
Engine Equipment			
99C-124	EPA 2010 GHG 2024/CARB 2024 ULTRALOW NOX CONFIGURATION		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-1B5	SIDE OF HOOD AIR INTAKE WITH DONALDSON HIGH CAPACITY AIR CLEANER WITH SAFETY ELEMENT, FIREWALL MOUNTED		
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-235	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		•
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS		
107-047	WABCO 20.0 CFM SINGLE CYLINDER AIR COMPRESSOR		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-998	NO RETARDER/ENGINE BRAKE		
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25

WM3236



Data Code	Description	vveignt Front	vveignt Rear	
28F-014	ENGINE AFTERTREATMENT DEVICE,	11011	Rear	
201-014	AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER			
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK			
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD			
273-059	ELECTRONICALLY CONTROLLED VARIABLE SPEED VISCOUS FAN DRIVE			
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			
110-077	DETROIT ENGINE MOUNTED FUEL/WATER SEPARATOR WITH WATER-IN-FUEL SENSOR AND ESOC			
118-001	FULL FLOW OIL FILTER			
266-100	700 SQUARE INCH ALUMINUM RADIATOR			
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			
270-016	RADIATOR DRAIN VALVE		*	
168-002	LOWER RADIATOR GUARD			
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER	4 .		
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			
134-001	ALUMINUM FLYWHEEL HOUSING			
155-080	DELCO 12V 31MT STARTER WITH INTEGRATED MAGNETIC SWITCH			
Transmission,				
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60	
Transmission Equip	ment			
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			



Data Code	Description	Weight Front	Weight Rear
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-073	QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH CAP		
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
362-656	CUSTOMER INSTALLED MUNCIE A20 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
Front Axle and Equip	pment		
400-112	MERITOR MFS+ 12,000# FF1 71.0 INCH KPI/3.50 INCH DROP SINGLE FRONT AXLE	-15	
402-020	MERITOR 15X4 Q+ CAM FRONT BRAKES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		



Data Code	Description	Weight Front	Weight Rear	•
419-001	CAST IRON OUTBOARD FRONT BRAKE DRUMS			
427-001	FRONT BRAKE DUST SHIELDS	5		
409-006	FRONT OIL SEALS			
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS			
536-050	TRW THP-60 POWER STEERING			
539-003	POWER STEERING PUMP			
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR			
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE			Anny a through through the same
Front Suspension				
620-1F0	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42		
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION			
410-001	FRONT SHOCK ABSORBERS			
Rear Axle and Equip	ment			
420-1N0	MS-21-14X 21,000# R-SERIES SINGLE REAR AXLE	a () () () () () () () () () (10	
421-513	5.13 REAR AXLE RATIO			
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING			
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-20	-20	
393-001	DRIVELINE GUARD	25	25	
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			
433-002	NON-ASBESTOS REAR BRAKE LINING			
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)			
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS			
425-002	REAR BRAKE DUST SHIELDS		5	
440-006	REAR OIL SEALS			
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		•	
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS			
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			
Rear Suspension				
622-1MG	21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		100	
621-001	SPRING SUSPENSION - NO AXLE SPACERS			
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP			



Data Code	Description	Front	Rear	
Pusher / Tag Equi	oment			
429-998	NO PUSHER/TAG BRAKE DUST SHIELDS			- 50 to 2 services - 2.50 2 od
Brake System				
018-002	AIR BRAKE PACKAGE	ida et e i sue a camparent i	n i de de la companya	
490-100	WABCO 4S/4M ABS			
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			
904-001	FIBER BRAID PARKING BRAKE HOSE			
412-001	STANDARD BRAKE SYSTEM VALVES			
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			•
413-002	STD U.S. FRONT BRAKE VALVE			
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			
480-086	BW AD-9SI BRAKE LINE AIR DRYER WITH HEATER			
479-012	AIR DRYER MOUNTED UNDER HOOD			
460-001	STEEL AIR BRAKE RESERVOIRS			
477-006	BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)			
485-003	QUICK DISCONNECT FITTING WITH TIRE INFLATION KIT	2		
Trailer Connections				
481-998	NO TRAILER AIR HOSE			(Messachusetenens)
476-998	NO AIR HOSE HANGER			
919-068	(6) QUICKFIT PROGRAMMABLE SOLENOIDS W/STATE RETENTION PLUMBED TO BACK OF CAB			
310-998	NO TRAILER ELECTRICAL CABLE			
Wheelbase & Frame				
545-385	3850MM (152 INCH) WHEELBASE			
546-094	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6/0.281X10.06 INCH) 80KSI	-170	40	
552-049	2125MM (84 INCH) REAR FRAME OVERHANG		•	
55W-008	FRAME OVERHANG RANGE: 81 INCH TO 90 INCH	-20	. 110	
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 86.02 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA): 83.02 in			
AE4-99D	CALC'D FRAME LENGTH - OVERALL: 274.25 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE: 56.83 in			
FSS-0RH	CALCULATED FRAME SPACE RH SIDE: 58.92 in			
553-001	SQUARE END OF FRAME			
587-003	REAR TOW HOOKS		10	
550-001	FRONT CLOSING CROSSMEMBER			
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			



	Data Code	Description	Weight Front	Weight Rear
	561-001	STANDARD CROSSMEMBER BACK OF		
	007 001	TRANSMISSION		
	562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
	572-001	STANDARD REARMOST CROSSMEMBER		
	565-001	STANDARD SUSPENSION CROSSMEMBER		oo aan aan aa a
Chassis	s Equipment			
	556-1CU	THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS, SPACED 3 INCHES FORWARD	40	
	558-001	FRONT TOW HOOKS - FRAME MOUNTED	15	
	574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
	585-042	BETTS B-25 PAINTED MUDFLAP BRACKETS		15
	590-001	BLACK MUDFLAPS		15
	586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
	551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
	44Z-002	EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE		
*	601-020	3D STEP VEHICLE MODEL		
	EC	DRTIZ@WEST-MARK.COM		
	970-039	TANK BODY 1501 TO 3000 GALLONS		
Fifth Wi	neel			
	578-998	NO FIFTH WHEEL	200000000000000000000000000000000000000	
Fuel Tai				
	204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
	218-005	RECTANGULAR FUEL TANK(S)		
	215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
	212-007	FUEL TANK(S) FORWARD		
	664-001	PLAIN STEP FINISH		
	205-001	FUEL TANK CAP(S)		
	122-1H2	DETROIT FUEL/WATER SEPARATOR WITH BYPASS AND 12 VOLT PREHEATER	-5	
	216-020	EQUIFLO INBOARD FUEL SYSTEM		
	202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
	213-001	INSULATION FOR FUEL LINES	2	
Tires				
NAME OF TRACTOR	093-16M	CONTINENTAL HSR3 11R22.5 14 PLY RADIAL FRONT TIRES	70	
	094-12P	CONTINENTAL HDR2+ 11R22.5 14 PLY RADIAL REAR TIRES		92
Hubs				
FSIV MEDIZMEANS	418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		and the second s



Data Code	Description	Weight Front	Weight Rear	
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS			
Wheels				
502-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 6.18 INSET 2-HAND HD STEEL DISC FRONT WHEELS	26		
505-428	ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2- HAND HD STEEL DISC REAR WHEELS		52	
496-011	FRONT WHEEL MOUNTING NUTS			•
497-011	REAR WHEEL MOUNTING NUTS			
Cab Exterior				
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			
650-008	AIR CAB MOUNTING			
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			
678-018	LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT			
646-045	MOLD-IN COLOR GRILLE			
65X-011	MOLD-IN COLOR HOOD MOUNTED AIR INTAKE GRILLE			•
644-004	FIBERGLASS HOOD			
690-002	TUNNEL/FIREWALL LINER			
727-1AF	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4		
726-002	DUAL ELECTRIC HORNS			
728-001	SINGLE HORN SHIELD			
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY			
302-047	LED AERODYNAMIC MARKER LIGHTS			
311-001	DAYTIME RUNNING LIGHTS			
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS			
300-015	STANDARD FRONT TURN SIGNAL LAMPS			
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE			
797-001	DOOR MOUNTED MIRRORS			
796-001	102 INCH EQUIPMENT WIDTH			
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			
729-001	STANDARD SIDE/REAR REFLECTORS			
677-054	RH AFTERTREATMENT SYSTEM CAB ACCESS WITH PLAIN DIAMOND PLATE COVER			
768-043	63X14 INCH TINTED REAR WINDOW			
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS			
654-011	RH AND LH ELECTRIC POWERED WINDOWS			
663-013	1-PIECE SOLAR GREEN GLASS WINDSHELD			



Data Code	Description	Weight Front	Weight Rear
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		
Cab Interior			
055-017	PROFESSIONAL TRIM PACKAGE		
707-105	MIST AND CARBON CLOTH INTERIOR "PROFESSIONAL"		
70K-016	CARBON WITH BASE BLACK ACCENT		
706-013	MOLDED PLASTIC DOOR PANEL		
708-013	MOLDED PLASTIC DOOR PANEL		
772-006	BLACK MATS WITH SINGLE INSULATION		
785-998	NO DASH MOUNTED ASH TRAYS AND LIGHTER		
691-001	FORWARD ROOF MOUNTED CONSOLE		
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-029	M2/SD DASH		
720-004	10 LB. FIRE EXTINGUISHER WITH MOUNTING BRACKET	20	
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-008	STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-1B3	STANDARD LED CAB LIGHTING		
787-998	NO SECURITY DEVICE		
657-1AW	ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1010		
78G-006	KEY QUANTITY OF 6		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
722-028	TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
756-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WTIH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION PASSENGER SEAT WTIH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	



Data Cod	le Description	weight Front	weight Rear	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		***************************************	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER			
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER			
763-101	BLACK SEAT BELTS			
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN			
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES			
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			
Instruments & C	ontrols			
734-024	INTEGRATED UPPER & LOWER STORAGE PANELS			
870-001	BLACK GAUGE BEZELS			
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE			
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS			
721-003	87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3	
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES			
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY			
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY			
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			
844-001	2 INCH ELECTRIC FUEL GAUGE			
148-073	ENGINE REMOTE INTERFACE FOR REMOTE THROTTLE			
48H-001	QUICKFIT POWERTRAIN INTERFACE CONNECTOR LOCATED BETWEEN SEATS WITH CAPS			
4C0-998	NO ADDITIONAL EXTRA SWITCH ACCUATORS			
* 4CG-006	6 EXTRA PROGRAMMABLE SWITCHES/INDICATORS			
	\$C1B0082ZZ,C1C0083ZZ,C1D0084ZZ,C1E0085ZZ,C1F01762	ZZ,C1G0177ZZ		
48C-001	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) BETWEEN SEATS WITH CAP			
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR			
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			



Data Code	Description	Weight Front	Weight Rear	
 854-008	DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY			
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE			
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER			
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE			
736-998	NO OBSTACLE DETECTION SYSTEM			
72J-998	NO DR ASSIST SYSTEM			
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL			
73B-998	NO LANE DEPARTURE WARNING SYSTEM			
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			
35M-010	QUICKFIT PROGRAMMABLE INTERFACE MODULE	10		
746-137	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939			
747-001	DASH MOUNTED RADIO			
750-002	(2) RADIO SPEAKERS IN CAB			
753-001	AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF			
74D-006	STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS			
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			
817-001	STANDARD VEHICLE SPEED SENSOR			
812-001	ELECTRONIC 3000 RPM TACHOMETER			
813-1C8	DETROIT CONNECT PLATFORM HARDWARE			
8D1-203	3 YEARS DETROIT CONNECT BASE PACKAGE (FEATURES VARY BY MODEL) DETROIT CONNECT PLATFORM			
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL			
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			
329-129	FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO UNDER CAB, BLUNTCUT			
4C1-026	HARDWIRE SWITCH #1, ON/OFF LATCHING, 10 AMPS BATTERY POWER			
4C2-026	HARDWIRE SWITCH #2, ON/OFF LATCHING, 10 AMPS BATTERY POWER			
4C3-017	HARDWIRE SWITCH #3,ON/OFF LATCHING, 10 AMPS BATTERY POWER			
4C4-017	HARDWIRE SWITCH #4,ON/OFF LATCHING, 10 AMPS BATTERY POWER			
4E1-008	8 SWITCH SLOTS, 4 DRIVER 4 CENTER OVERHEAD CONSOLE			



	Data Code	Description	Weight Front	Weight Rear	
	264-030	(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN			<u></u>
	883-998	NO TRAILER HAND CONTROL BRAKE VALVE			
	836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			
	660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			
	304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS			
	882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			
	299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT			
	298-046 ·	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY			
Design					
	065-000	PAINT: ONE SOLID COLOR			
Color					
	980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY			
	986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			
	962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			
	966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)			
	964-3A1	BUMPER PAINT: N0001EA BLACK ELITE SS			
	969-998	NO CAB/BODY EXTERIOR DECALS			
	963-003	STANDARD E COAT/UNDERCOATING			
Certifica	ition / Comp	liance			
Fried ordinary decoders and an article of the control of the contr	996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			ACCOUNTY STATES
Sales Pr	ograms				
		110 011 70 77 77 77			

NO SALES PROGRAMS HAVE BEEN SELECTED



TOTAL VEHICLESUMMARY

Weight Summary			
historia de la companya del companya de la companya del companya de la companya d	Weight	Weight	Total
	Front	Rear	Weight
Factory Weight ⁺	6531 lbs	4032 lbs	10563 lbs
Total Weight [†]	6531 lbs	4032 lbs	10563 lbs

Extended Warranty

WAG-074 TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$750 CAP FEX APPLIES

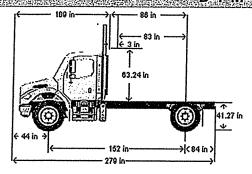
(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2108
Wheelbase (545)	
Rear Frame Overhang (552)	2125MM (84 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	
Maximum Rearward Position (in)	
	0.0
Cab Size (829)	·
Sleeper (682)	
Exhaust System (016)RH OUTBOARD UNDER STEP MOUNTED VERTICAL TAIL PIPE	INTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY



TABLE SUMMARY - DIMENSIONS

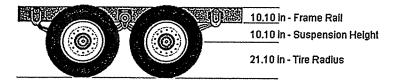
inic
109.3
43.7
65.6
3.0
86.0
83.0
2.0
0.0
0.0
3.0
169.7
63.2
151.6
83.7
274.3
279.0
0.0
41.3

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



UNLADEN FRAME HEIGHT

Unladen Height	Requested	Calculated
Tow Hitch (in)	0.00 to 0.00	31.50
Frame (in)	N/A	41.30



VEHICLE SPECIFICATIONS SUMMARY - UNLADEN FRAME HEIGHT

Model	06
Cab Size (829)	ΑB
Frame Rails (546)	46)
Web Height (in)10.06	25
Flange Thickness (in)0.281	25
Rear Suspension (622) 21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER	۷G
Rear Suspension Ride Height (621)	₹Տ
Axle C/L to Bottom of Frame (in)10.1	11
Rear Tires (094)	ΞS
Unladen Radius (in)21	1.1
Fifth Wheel (578)	EL
Requested Min Height (in)	0.0
Requested Max Height (in)	1
Fifth Wheel Leg Height (582)NO FIFTH WHEEL LEGHEIGH	TF
Rear Tow Device (587)	
Requested Min Height (in)0	0.0
Requested Max Height (in)	

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



FRAMEERBM

VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545)	
Yield Strength (psi)	80000
Section Modulus (per rail) (c	zu in)
RBM (per rail) (lbf-in)	986400
	7)NO INNER FRAME REINFORCEMENT
Outer Frame Reinforcement (54	8)

TABLE SUMMARY - FRAME RBM

A STATE OF THE STA	Description (Value)
Wheelbase	3850MM (152 INCH) WHEELBASE
Frame	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6/0.281X10.06 INCH) 80KSI
Inner Frame Reinforcement	NO INNER FRAME REINFORCEMENT
Outer Frame Reninforcement	NO OUTER FRAME REINFORCEMENT
Yield Strength (psi)	80000
Section Modulus - per rail (cu. in.)	12.33
Frame RBM - per rail (lbf-in)	986400

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



BODY SPECS

NEW ITB MODEL SE1032 DUMP BODY

10' LENGTH 5-7 YARD CAPACITY SEMI ELLIPTICAL DESIGN WITH NO X-MEMBERS

I ENOTH: 10' CIDEC: 22"

LENGTH: 10' SIDES: 32"

FRONT WALL: 48" TAILGATE: 32"

3/16" AR400 STEEL FRONT WALL, SIDES, FLOOR AND TAILGATE

3" SQUARE TUBE TOP RAIL MOUNTED ON 45 DEG TO DEFLECT MATERIAL,

INCLUDES SIDE BOARD PROVISIONS

8" STRUCTURAL STEEL SUB FRAME

10 GUAGE CAB GUARD

REAR DUMP HINGE WITH GREASABLE PINS

SPREADER APRON, SAFETY PROP LEG,

1 1/2" GREASABLE TAILGATE PINS

AIR LATCH TAILGATE (REQUIRES AIR ON CHASSIS)

HOT SHIFT PTO WITH DIRECT MOUNT DUMP PUMP (WHEN APPLICABLE)

84" HYDRAULIC CYLINDER (DOG HOUSE DESIGN)

25 GALLON HYDRAULIC RESERVOIR WITH SIGHT GUAGE

23 GALLON HYDRAULIC FLUID

ITB EASY REACH CONTROL TOWER WITH BODY UP LIGHT

CHASSIS MUST HAVE AIR AND ELECTRIC RUN TO REAR OF CHASSIS

SAND BLAST BODY, EPOXY PRIMER AND PAINT POLYURETHANE BLACK OR WHITE

SAFETY DECAL KIT

LIGHTS, MUD FLAPS AND REFLECTIVE TAPE TO MEET DOT SPECIFICATIONS

OPTIONS (AVAILABLE UPON REQUEST):

DITCH GATE

BEACON LIGHT ON TOP OF CAB GUARD

MANUAL SPRING REWIND PULL TARP

REAR HITCH PLATE W/ ELECTRIC PLUG, D-RINGS AND 45 TON PINTLE

Summary of Used Dump Trucks Considered

Year	Make	Mileage	Cost (list)	Comments
2015	Freightliner	141,560	\$ 89,900	Not available when contacted
2019	International	404,980	\$ 87,900	High mileage
2018	International	365,455	\$ 89,500	High mileage
2017	Ford	28,274	\$ 94,500	Not available when contacted
2016	Peterbuilt	268,000	\$ 127,000	High mileage

San Benito County Water District Agenda Transmittal

Agenda Item:
Meeting Date: October 25, 2023
Submitted By: Steve Wittry
Presented By: Steve Wittry
Agenda Title: Discuss and Consider Approval of a Resolution Authorizing the Submittal of a Grant Application to the United States Bureau of Reclamation (USBR) for the Accelerated Drought Response Project (ADRoP)
Detailed Description: The Federal Bipartisan Infrastructure Law (BIL) enacted in November 2021 authorizes USBR to provide funding for small surface water storage and groundwater storage projects. These projects are intended to stretch the limited water supplies in the Western United States, increase water management flexibility, make water supply more reliable, and increase resilience to climate change. This funding opportunity invites sponsors of small surface water and groundwater storage projects to request cost shared funding for the planning, design, and/or construction of these projects.
Approximately \$30 million is available in Fiscal Year 2024. Applicants must be capable of cost sharing 75 percent or more of the total project costs. In order to be considered for grant approval, a Feasibility Study must be approved by USBR. As a result of efforts taken over the past several months, SBCWD has an approved Feasibility Study for the ADRoP. The grant application is due on November 30, 2023. A resolution supporting the application is recommended but not required.
Staff recommends that the Board consider and adopt a resolution supporting the application.
Financial Impact: X Yes No While the action of submitting a resolution does not have significant fiscal impact. Should the district be successful, there is a 75% match required. Funding anticipated from State Grants is an eligible source of matching funds.
Funding Source/ Recap: Funding sources will be identified if the application is successful.
Material Included for Information/Consideration: Resolution supporting the application

Recommendation: Approve the Resolution supporting the application						
Action Required:	<u>X</u>	Resolution _	Motion	Review		
		Board Acti	on			
Resolution No		Motion By	Second By			
Ayes			Abstained			
Noes			Absent_			
Reagendized		Date	No Action Taker	1		

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RESOLUTION NO. 2023-22

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BENITO COUNTY WATER DISTRICT TO SUBMIT AN APPLICATION TO THE

BUREAU OF RECLAMATION TO OBTAIN A GRANT UNDER THE BIPARTISAN INFRASTRUCTURE LAW (BIL) FOR A SMALL SURFACE WATER AND GROUNDWATER STORAGE PROGRAM TO ASSIST FUNDING FOR THE ACCELERATED DROUGHT RESISTANCE PROJECT (ADRoP)

WHEREAS, the Bipartisan Infrastructure Law (BIL) was enacted on November 15, 2021 which, among other programs, established a competitive grant program to be administered by the United States Bureau of Reclamation (USBR) for small water storage and groundwater storage projects; and

WHEREAS, the grant program defines small storage projects as projects that increase water storage capacity of not less than 200 acre-feet and not more that 30,000 acre-feet;

WHEREAS, the San Benito County Water District Accelerated Drought Resistance Project (ADRoP)is completely aligned with the stated objectives of the BIL grant solicitation;

WHEREAS, the San Benito County Water District is able to provide the amount of funding and/or in-kind contributions specified in the funding plans; and

WHEREAS, the Board of Directors of the San Benito County Water District have reviewed and therefore supports the application being submitted; and

NOW, THEREFORE, BE IT RESOLVED:

- 1) The General Manager of the San Benito County Water District is hereby authorized and directed to make an application and submit a proposal to Reclamation to obtain a Small Storage Grant for the ADRoP Project.
- 2) The San Benito County Water District will work with USBR to meet established deadlines for entering into a grant or cooperative agreement.
- 3) The General Manager of the San Benito County Water District, or designee, is hereby authorized to enter into an agreement, and any amendments thereto, with the Reclamation to receive a Small Storage Grant to support the ADRoP Project.

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BE IT FURTHER RESOLVED that the President of the Board is authorized to sign said Resolution, on behalf of this Board and District.

PASSED AND ADOPTED by the Board of Directors of the San Benito County Water District this 25th day of October 2023, by the following vote:

AYES:

DIRECTORS:

NOES:

DIRECTORS:

ABSTAIN:

DIRECTORS:

ABSENT:

DIRECTORS:

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(Signature of presiding Board member Attested by Board Secretary Resolution #2023-22)	
	Sonny Flores President
ATTEST:	
Barbara L. Mauro	
Board Secretary	

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CERTIFIED RESOLUTION

I, Barbara Mauro, board secretary of the San Benito County Water District, do hereby certify that the following is a true and correct copy of a resolution duly adopted at the regular meeting of the Board of Directors, duly held on October 25, 2023. This resolution has not been modified, rescinded or revoked and is at present in full force and effect.

In Witness whereof, the undersigned has affixed her signature and the corporate seal.

Barbara L. Mauro Board Secretary	
Date of signature	