



SCOTTS VALLEY WATER DISTRICT

AGENDA PACKET

REGULAR BOARD MEETING

02/10/22 at 6:00 p.m.

Santa Margarita Community Room
2 Civic Center Drive, Scotts Valley, California

This meeting is being conducted in a hybrid setting. Public participation is encouraged. Members of the public may attend in person or remotely through this link <https://us06web.zoom.us/j/86757235890> or by phone: 253-215-8782 Meeting ID: 867 5723 5890.

The public has opportunities to make comments throughout the meeting: to comment online, use the raise hand option, by phone press *9.

BOARD OF DIRECTORS

Ruth Stiles, President

Chris Perri, Vice President

Bill Ekwall, Director

Wade Leishman, Director

Danny Reber, Director

Noelle Downing, Associate Director

Annie Finch, Associate Director

Piret Harmon, General Manager

Water Industry Acronyms

AF – Acre Foot

AFY – Acre Foot per Year

ACWA – Association of California Water Agencies

ACWA JPIA – ACWA Joint Powers Insurance Authority

AWWA – American Water Works Association

BMP – Best Management Practices

CCR – Consumer Confidence Report

CD – Certificate of Deposit

CEQA - California Environmental Quality Act

CSDA – California Special District Association

DHS – Department of Health Services

DWR – Department of Water Resources

EIR – Environmental Impact Report

EPA – Environmental Protection Agency

FY – Fiscal Year

GASB – Governmental Accounting Standards Board

IRWM – Integrated Regional Water Management

JPA – Joint Powers Agreement

LAIF – Local Agency Investment Fund

LAFCO – Local Agency Formation Commission

LID – Low Impact Development

MCL – Maximum Containment Level

MGD – Million Gallons per Day

MGY – Million Gallons per Year

MOU – Memorandum of Understanding

O&M – Operations and Maintenance

PERS – Public Employees Retirement System

PHG – Public Health Goal

PPB – Parts Per Billion

PRV – Pressure Relief Valve

PVC Pipe – Polyvinyl Chloride Pipe

RWMF – Regional Water Management Foundation

RFP – Request for Proposals

ROW – Right-of-way

RWQCB – Regional Water Quality Control Board

SCWD – Santa Cruz Water Department (City of)

SDWA – Safe Drinking Water Act

SGMA – Sustainable Groundwater Management Act

SLVWD – San Lorenzo Valley Water District

SMGWA – Santa Margarita Groundwater Agency

SqCWD – Soquel Creek Water District

SWRCB – State Water Resources Control Board

TP – Treatment Plant

WY – Water Year



SCOTTS VALLEY WATER DISTRICT

BOARD OF DIRECTORS
PRESIDENT Ruth Stiles
VICE PRESIDENT Chris Perri
Bill Ekwall
Wade Leishman
Danny Reber

ASSOCIATE DIRECTORS
Noelle Downing
Annie Finch

GENERAL MANAGER
Piret Harmon

Board of Directors

Regular Meeting

02/10/22 at 6:00 p.m.

Santa Margarita Community Room
2 Civic Center Drive, Scotts Valley, California

Agenda

This meeting is being conducted in a hybrid setting.

Public participation is encouraged, members of the public may attend in person, remotely through this link <https://us06web.zoom.us/j/86757235890> or by phone: 253-215-8782 Meeting ID: 867 5723 5890. The public has opportunities to make comments throughout the meeting. To comment online, use the raise hand option, by phone press *9. If experiencing technological difficulties online, then join the meeting via phone.

1. Convene

- 1.1. Call to Order and Roll Call
- 1.2. Pledge of Allegiance and Invocation
- 1.3. Closed Session Report - 01/31/22
- 1.4. Additions/Deletions to the Agenda
- 1.5. Oral Communications

2. Presentations

Communication and Community Outreach Update – Miller Maxfield
District Projects Status Update - David McNair, Operations Manager

3. Administrative

Items are informational in nature and do not include an agenda report.

- 3.1. [Approval of Minutes – Special Board Meeting 01/06/22, Regular Board Meeting 01/13/22 and Special Board Meeting 01/31/22](#)
- 3.2. [Committee and Other Agency Meeting Reports](#)
Engineering and Water Resources Committee 01/24/22
Finance & Personnel Committee 01/26/22
Executive & Public Affairs Committee (none)
Santa Margarita Groundwater Agency (SMGWA) Board 01/27/22
- 3.3. [Committees 2022](#)
- 3.4. [ACWA Region 5 Board Notice of Vacancy](#)

[3.5. 2022 California Water Insurance Fund \(CWIF\) Board Election Notice](#)

4. Consent (none)

Items are routine in nature, may be approved by one motion and each item includes an agenda report.

5. Public Hearings (none)

Items include an agenda report with recommendation, an oral staff report or presentation.

6. Business

Items are complex in nature, considered individually, and each item includes an agenda report with recommendation and an oral staff report or presentation.

[6.1. Miscellaneous Fee Schedule](#)

Recommendation: Adopt Resolution 02-22 updating the Fee Schedule for Bulk, Temporary and Miscellaneous Services and rescinding Resolution 06-20.

7. Staff Reports

7.1. Legal

District Counsel - oral

7.2. Administrative

General Manager - oral

[7.3. Finance](#)

Financial Reports 07/01/21 through 12/31/21

[7.4. Operations](#)

Operations Report - oral

Production, Demand and Rainfall Data through 01/31/21

Leak Adjustment Program Report 07/01/21 through 12/31/21

8. Directors Reports

Travel and Meetings

Other

9. Written Correspondence

[Santa Cruz County Water Resources Management Status Report for 2021](#)

[ACWA JPIA President's Special Recognition Award](#)

10. Community Relations

[January Newsletter](#)

11. Closed Session (none)

12. Report on Closed Session and Additional Items (none)

13. Future Items

Proposed Projects Budget

Meetings and Event Calendar

Board Meetings

03/10/22

04/14/22

05/12/22

Committee Meetings

02/28/22 Engineering & Water Resources

TBD Executive & Public Affairs

02/23/22 Finance & Personnel

Santa Margarita Groundwater Agency

Board Meeting 02/24/22

Association of California Water Agencies (ACWA) Events

2022 Spring Conference and Exhibition 05/03/22 – 05/06/22 Sacramento

14. Adjourn

The next regular meeting of the Scotts Valley Board of Directors is scheduled for 03/10/22.

AVAILABILITY OF PUBLIC RECORDS PROVIDED TO THE BOARD OF DIRECTORS: THE DISTRICT WILL MAKE AVAILABLE FOR PUBLIC REVIEW ANY PUBLIC RECORDS FURNISHED TO THE BOARD OF DIRECTORS AT THE SAME TIME SUCH RECORDS ARE FURNISHED TO THE BOARD OF DIRECTORS. **SUCH RECORDS SHALL BE AVAILABLE AT WWW.SVWD.ORG AND AT THE DISTRICT OFFICE DURING NORMAL BUSINESS HOURS.**

PUBLIC ACCESS – ACCOMMODATIONS UNDER THE ADA: PURSUANT TO TITLE II OF THE AMERICANS WITH DISABILITIES ACT OF 1990, THE SCOTTS VALLEY WATER DISTRICT REQUESTS THAT ANY PERSON IN NEED OF ANY TYPE OF SPECIAL EQUIPMENT, ASSISTANCE OR ACCOMMODATION(S) IN ORDER TO EFFECTIVELY COMMUNICATE AT THE DISTRICT’S PUBLIC MEETING PLEASE MAKE SUCH A REQUEST TO THE DISTRICT OFFICE AT THE ABOVE ADDRESS OR BY CALLING (831) 438-2363 A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE SCHEDULED MEETING. ADVANCE NOTIFICATION WITHIN THIS GUIDELINE WILL ENABLE THE DISTRICT TO MAKE REASONABLE ARRANGEMENTS TO ENSURE ACCESSIBILITY.

Scotts Valley Water District
Board of Directors
Special Meeting
Santa Margarita Community Room
2 Civic Center Drive, Scotts Valley, California
01/06/22 at 1:00 p.m.
Minutes

1. Convene

Call to Order and Roll Call

President Stiles called the meeting to order at 1:01 p.m. in the Santa Margarita Community Room, 2 Civic Center Drive, Scotts Valley, California.

Directors

Bill Ekwall
Wade Leishman
Chris Perri
Danny Reber
Ruth Stiles

2. Closed Session

President Stiles announced the closed session item, Public Employee Appointment, General Manager and convened closed session at 1:03 p.m. and adjourned at 4:22 p.m.

3. Report on Closed Session

President Stiles reported appointment of the General Manager was discussed and that no action was taken.

4. Adjourn

The meeting adjourned at 4:23 p.m.

Approved:

Attest:

Ruth Stiles, Board President

Piret Harmon, Board Secretary

Board of Directors

Regular Meeting

01/13/22 at 6:00 p.m.

Santa Margarita Community Room
2 Civic Center Drive, Scotts Valley, California

Minutes

1. Convene

1.1. Call to Order and Roll Call

President Stiles called the meeting to order at 6:01 p.m. The meeting was conducted in a hybrid setting.

Directors

Bill Ekwall

Wade Leishman

Chris Perri, absent

Danny Reber, arrived 6:40 p.m.

Ruth Stiles

Staff

Bob Bosso, Legal Counsel

Piret Harmon, General Manager

Nick Kurns, Finance & Customer Service Manager

David McNair, Operations Manager

Donna Paul, Assistant to General Manager

Associate Directors

Noelle Downing

Annie Finch

Guests

Barbara Callahan

Michael Shulman

Allyson Violante

1.2. Pledge of Allegiance and Invocation

Director Ekwall led the pledge and Director Leishman the invocation.

1.3. Closed Session Report - 12/09/21 and 01/06/22

Legal Counsel Bosso reported that succession planning for the General Manager was discussed and that no action was taken.

1.4. Additions/Deletions to the Agenda

None.

1.5. Oral Communications

None.

2. Presentations

Shelby Winstead presented the ServLine Water Leak Protection Plan by Home Serve USA and responded to questions from the Board.

3. Administrative

3.1. Approval of Minutes Regular Board Meeting 12/09/21

MOTION carried to approve the minutes of the 12/09/21 Board Meeting by unanimous voice vote with Director Perri and Director Reber absent.

3.2. Committee and other Agency Meeting Reports

Engineering and Water Resources Committee 12/13/21

There was nothing further to add to the written report.

Finance & Personnel Committee (none)

Executive & Public Affairs Committee (none)

Santa Margarita Groundwater Agency (SMGWA) Board (none)

3.3. Committee Appointments for 2022

Engineering and Water Resources

Bill Ekwall, Danny Reber, 1st Alternate Chris Perri, 2nd Wade Leishman 3rd Ruth Stiles.

Executive and Public Affairs

Ruth Stiles, Chris Perri, Alternate Bill Ekwall

Finance and Personnel

Ruth Stiles, Wade Leishman, 1st Alternate Bill Ekwall, 2nd Danny Reber, 3rd Chris Perri.

Interagency

Chris Perri, Alternate Wade Leishman

4. **Consent** (none)

5. **Public Hearings** (none)

6. **Business**

6.1. Leak Adjustment Appeal 110 Sawyer Circle

General Manager Harmon provided the staff report and Director Leishman provided information from the Engineering and Water Resources Committee meeting.

MOTION carried to grant an exception to the five-year waiting period and approve a leak adjustment credit for 110 Sawyer Circle by passed unanimous voice vote with Director Perri absent.

6.2. Leak Adjustment Program

General Manager Harmon provided the staff report.

Michael Shulman provided oral comments.

The Board discussed the matter and directed staff to speak to other Districts that are using ServLine about their experience, have Director Reber and Director Perri review the presentation, and return the item to committee for recommendation.

6.3. Community Members on Committees

The applicants introduced themselves: Michael Shulman and Allyson Violante for the Engineering and Water Resources and Barbara Callahan for Finance and Personnel.

MOTION carried to appoint Michael Shulman and Allyson Violante to the Engineering and Water Resources Committee and Barbara Callahan to the Finance and Personnel Committee by unanimous voice vote with Director Perri absent.

6.4. City District Recycled Water Allocation

General Manager Harmon provided the staff report and responded to Board questions.

The Board directed staff to mail the letter to the City of Scotts Valley regarding the provision of irrigation water to the City when the District's recycled water supply has been disrupted,

6.5. Emergency Management Policy

General Manager Harmon provided the staff report and responded to Board questions.

MOTION carried to adopt Resolution No. 01-22 updating the Emergency Management Policy, appoint the General Manager as the Security Officer and the Operations Manager as the Alternate Security Officer of the Scotts Valley Water District, and rescind Resolution No. 02-16 by unanimous roll call vote with Director Perri absent.

7. Staff Reports

7.1. Legal

District Counsel Bosso reported on a recent Proposition 218 case.

7.2. Administrative

The General Managers report is appended.

7.3. Finance

Financial Reports 07/01/21 through 11/30/21

The financial reports were accepted without comment.

7.4. Operations

Operations Report - oral

Production, Demand and Rainfall Data through 12/31/21

Leak Adjustment Program Report 07/01/21 through 11/30/21

Development Projects Status Report through 12/31/21

Operations Manager McNair reported on water demand, Orchard Run Water Treatment Plant Project and recent main breaks.

8. **Directors Reports** (none)

9. **Written Correspondence** (none)

10. **Community Relations** (none)

11. **Closed Session**

President Stiles announced the closed session item and recessed at 8:13 p.m.

Pursuant to Government Code Section §54957

Public Employee Appointment

Title: General Manager

Closed session convened at 8:18 p.m. and adjourned at 8:43 p.m.

12. **Report on Closed Session and Additional Items**

At 8:43 p.m. President Stiles reconvened the meeting and reported that appointment of the General Manager was discussed and that no action was taken.

13. **Future Items**

Miscellaneous Fee Schedule

District Projects Status Report

Initial Water Supply Outlook

Meetings and Event Calendar

Board Meetings

02/10/22

03/10/22

04/14/22

Committee Meetings

01/24/22 Engineering & Water Resources

01/24/22 Executive & Public Affairs

01/26/22 Finance & Personnel

Santa Margarita Groundwater Agency

Board Meeting 01/27/22

LAFCO - California Special Districts Association

[Board Member 201: The Brown Act and CA Public Records Act](#) 01/25/22 10:00 a.m. - noon

Association of California Water Agencies (ACWA) Events

2022 Spring Conference and Exhibition 05/03/22 – 05/06/22 Sacramento

14. Adjourn

The meeting adjourned at 8:46 p.m.

Approved:

Attest:

Ruth Stiles, Board President

Piret Harmon, Board Secretary

DRAFT

STAFF REPORT – General Items

Scotts Valley Water District

Date: 1/13/22

To: Board of Directors

From: General Manager

1. State Water Board adopted Emergency Water Use Regulations to prevent wasteful water uses and promote urban water conservation during the current drought emergency. The regulations are expected to go into effect by mid-January, following approval by the Office of Administrative Law, and will remain in effect for one year.

Water agencies are expected to enforce the regulations, which prohibit certain actions including the use of a hose to wash cars unless fitted with a shut-off nozzle, using potable water to wash sidewalks or driveways and applying potable water to outdoor landscapes in a manner that causes incidental runoff onto adjacent properties or walkways. Details of the regulation are available on the State Water Board [website](#).

ACWA continues to encourage the State Water Board to defer to urban retail water suppliers' Water Shortage Contingency Plans and other local ordinances to respond to drought. ACWA also continues to actively encourage member agencies to help their customers reduce water usage to achieve the Governor's voluntary 15% reduction.

2. The proposed state budget for 2022-2023 fiscal year includes an additional \$750 million General Fund drought response package allocated to several issue areas:
 - Water Conservation Programs — \$180 million for grants to large urban and small water suppliers to improve water efficiency, address leaks, reduce demand, provide water use efficiency-related mapping and training, support turf replacement and maintain a drought vulnerability tool.
 - Urban and Small Community Drought Relief — \$145 million for local emergency drought assistance and grants to local water agencies facing loss of water supplies.
 - On-Farm Water Conservation — \$20 million to bolster the State Water Efficiency and Enhancement Program, which provides grants to implement irrigation systems that save water on agricultural operations.
 - Fish and Wildlife Protection — \$75 million to mitigate immediate drought damage to fish and wildlife resources and build resilience of natural systems.
 - Multibenefit Land Repurposing — \$40 million to increase regional capacity to repurpose irrigated agricultural land to reduce reliance on groundwater while providing

community health, economic well-being, water supply, habitat, renewable energy, and climate benefits.

- Groundwater Recharge — \$30 million to provide grants to water districts to fund planning, engineering, water availability analyses and construction for groundwater recharge projects.
 - Technical Assistance and Drought Relief for Small Farmers — \$10 million to provide mobile irrigation labs, land use mapping and imagery, irrigation education, and direct assistance to small farmers and ranchers who have experienced water cost increases of more than 50 percent.
 - Drought Contingency—\$250 million as a drought contingency set aside to be allocated as part of the spring budget process, when additional water data will be available to inform additional drought needs.
3. Santa Cruz LAFCO will be conducting a service and sphere of influence review for all (six) water districts in the County. Tentative schedule comprises receiving the administrative draft in June and holding LAFCO hearing to adopt the report in August of 2022.
 4. Emergency Water Shut Offs Moratorium ended 12/31/21. The District resumes this activity in compliance with SB998 and Water Shutoff Protection Act.
 5. ACWA Region 5 Board has a vacancy due to a member's resignation. They have opened a recruitment that closes 2/28/22. Detailed information will be included in District's 2/10/22 Board packet.
 6. Kevin King resigned effective 1/6/22

Scotts Valley Water District
Board of Directors
Special Meeting
Santa Margarita Community Room
2 Civic Center Drive, Scotts Valley, California
01/31/22 at 2:00 p.m.
Minutes

1. Convene

Call to Order and Roll Call

President Stiles called the meeting to order at 1:59 p.m. in the Santa Margarita Community Room, 2 Civic Center Drive, Scotts Valley, California.

Directors

Bill Ekwall
Wade Leishman
Chris Perri
Danny Reber
Ruth Stiles

2. Closed Session

President Stiles announced the closed session item, Public Employee Appointment, General Manager and convened the closed session at 2:00 p.m. and adjourned at 3:44 p.m.

3. Report on Closed Session

President Stiles reported that the Board had agreed on the General Manager succession strategy and directed the staff to develop a work plan in support of the strategy.

4. Adjourn

The meeting adjourned at 3:45 p.m.

Approved:

Attest:

Ruth Stiles, Board President

Piret Harmon, Board Secretary



SCOTTS VALLEY WATER DISTRICT

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Engineering and Water Resources Committee

1/24/22 4:00 p.m.

Meeting Report

1. Convene

The meeting convened in Santa Margarita Community Room at 4:12 p.m. and was conducted in a hybrid setting.

Present:

Members: Director Ekwall, Director Reber, Committee Member Shulman (remote), and Committee Member Violante (remote).

Staff: General Manager Harmon (in person), Finance and Customer Service Manager Kurns (remote) and Operations Manager McNair (remote).

Guests: Director Stiles (observer).

2. Business Items

3. Discussion Items

3.1. Committee Objectives and Meeting Schedule 2022

General Manager (GM) Harmon briefly described the purpose of the committee and inquired about the meeting schedule. The Committee decided to continue the recurring meeting at 4:00 p.m. on the fourth Monday of each month.

3.2. Leak Adjustment Program Report 07/01/21 through 12/31/21

Finance and Customer Service Manager Kurns provided the staff report and provided answers to questions from committee members.

Committee Member Violante requested the report to be emailed to the members. GM Harmon advised that the Leak Adjustment Program Report is included in the Board agenda packet each month.

3.3. Future of the Leak Adjustment Program

GM Harmon provided the staff report and asked for direction from the committee. The Committee had a lively discussion. As a conclusion, it was

decided to continue the current program for another year and for staff to look for alternative solutions to improve the program or approaches for sunseting it.

3.4. Future of Recycled Fill Station

This item was deferred to the next meeting.

4. Oral Communications

None.

5. Future Agenda Items

City District Recycled Water Allocation

6. Adjourn

The meeting adjourned at 5:41 p.m.



SCOTTS VALLEY WATER DISTRICT

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Finance and Personnel Committee
Santa Margarita Community Room
2 Civic Center Drive, Scotts Valley, California
01/26/22 4:00 p.m.

Meeting Report

1. Convene

The meeting convened at 4:00 p.m. in the Santa Margarita Community Room. It was conducted in a hybrid format.

Present:

Members: Committee Member Callahan (remote), Director Leishman (in person), Director Stiles (remote).

Staff: General Manager Harmon (in person), Finance and Customer Service Manager Kurns (in person), Operations Manager McNair (remote) and Assistant to General Manager Paul (remote).

Guests: Director Ekwall (observer).

2. Discussion Items

2.1. Committee Objectives and Meeting Schedule 2022

General Manager Harmon briefly described the purpose of the committee and inquired about the meeting schedule. The Committee decided to continue the recurring meeting at 4:00 p.m. on the fourth Wednesday of each month.

2.2. Financial Reports 07/01/21 through 12/31/21

Finance and Customer Service Manager Kurns provided the staff report and responded to committee questions. The Committee requested that a credit card summary be provided in the monthly financial reports.

2.3. Miscellaneous Fee Schedule

General Manager Harmon introduced the item and Finance and Customer Service Manager provided the staff report. The committee discussed the fee schedule and requested that this item be reviewed on a regular schedule.

3. Oral Communications

Finance and Customer Service Manager Kurns provided an update on the implementation of monthly billing.

The Committee briefly discussed sharing master meter billing information for accounts that are sub-metered accounts.

4. Future Agenda Items
CalPERS Additional Discretionary Payment (ADP)
5. Adjourn
The meeting adjourned at 5:18 p.m.

Board Meeting Recap: January 2022

New board chair selected

Santa Margarita Groundwater Agency (SGMWA) held a board meeting Wednesday, Jan. 27, using hybrid (in-person and remote) format.

At the meeting, the Board of Directors elected a new board chair and vice chair. Gail Mahood, a San Lorenzo Valley Water District (SLVWD) board member, was selected as chair. Chris Perri, a Scotts Valley Water District board member who previously served as chair of SMGWA, was chosen as vice chair. Jack Dilles, a representative from City of Scotts Valley was re-elected as the secretary and the board welcomed Jayme Ackemann, a new representative from SLVWD.

A key responsibility of the [Santa Margarita Groundwater Agency](https://www.smgwa.org) is to develop, adopt and submit a Groundwater Sustainability Plan (GSP) for the Santa Margarita Groundwater Basin (Basin), as required by California's Sustainable Groundwater Management Act. The [GSP](#) was adopted at the Board's November meeting and has been submitted to the state Department of Water Resources for review and approval. The final GSP will guide long-term management of the groundwater basin to ensure a reliable and resilient water supply for community needs and the environment. The plan provides the basis for ongoing management of the Basin by SMGWA to achieve sustainability in a 20-year planning horizon and maintain sustainability over a 50-year implementation horizon, as specified by the Sustainable Groundwater Management Act.

With the GSP finalized and submitted to the state, the Agency is considering changes that better support the goals and objectives in the next 5-year period, including how to staff the Agency. Since its inception, SGMWA has been operated under a shared staffing model by member agencies. In November, the board formed an ad-hoc Agency Organizational Structure Committee that debriefed the board on their activities in the last two months. At its January meeting, the Board authorized the committee to move forward with the collaborative approach for administrative and planning services.

The board also reviewed and accepted the annual financial report for fiscal years 2021 and 2020.

The February SMGWA board will be on Thursday, Feb. 24 at 6 p.m. To learn more about the Santa Margarita Groundwater Agency and upcoming events, visit our website at www.smgwa.org.



SCOTTS VALLEY
WATER DISTRICT



COMMITTEES 2022

<u>Committee</u>	<u>Focus Area</u>	<u>Members</u>
Engineering and Water Resources 4 th Mon/ 4:00 p.m.	Capital and maintenance projects (infrastructure and facilities); property acquisition and disposition; standard specifications; CIP budget. Water supply augmentation projects; water resource issues; water use efficiency; water quality; conservation programs.	Bill Ekwall Danny Reber Michael Shulman, Community Member Allyson Violante, Community Member 1 st Alternate: Chris Perri 2 nd Alternate: Wade Leishman 3 rd Alternate: Ruth Stiles
Executive and Public Affairs Day/Time TBD	General Manager evaluation; succession planning (GM and Board); other items that do not fit within the defined boundaries of other committees. Community relations; communication strategy and outreach; public information.	Ruth Stiles Chris Perri Alternate: Bill Ekwall <i>President and Vice President</i> <i>Alternate: Past President</i>
Finance and Personnel 4 th Wed/ 4:00 p.m.	Fiscal (incl. investment and purchasing) policies; financial reports; annual audit; internal audit, rates, fees and charges; operating budget; grants. New positions; wage and benefit adjustments; potential disciplinary actions; training and safety programs; ethics and discrimination issues; MOU contract.	Ruth Stiles Wade Leishman Barbara Callahan, Community Member 1 st Alternate: Bill Ekwall 2 nd Alternate: Danny Reber 3 rd Alternate: Chris Perri <i>President serves on the Finance and Personnel Committee</i>
Interagency	Provide a unified source of information on community related matters and support effective interagency relationships	Chris Perri Alternate: Wade Leishman
Santa Margarita Groundwater Agency (SMGWA) Board		Chris Perri Ruth Stiles Alternate: Bill Ekwall
ACWA Joint Powers Insurance Authority (ACWA/JPIA) Board		Chris Perri 1 st Alternate: Bill Ekwall 2 nd Alternate: Piret Harmon
ACWA Committee: Energy		Chris Perri
ACWA Committee: Groundwater		Chris Perri Derrick Williams (Montgomery & Assoc)
ACWA Committee: Membership		Chris Perri
ACWA Committee: Business Development		Piret Harmon
ACWA Committee: Local Government		Piret Harmon

MEMORANDUM

Date: January 13, 2022

To: Region 5 Member Agency Presidents and General Managers
(sent via e-mail)

From: ACWA Region 5 Board

The Region 5 Board is looking for ACWA members who are interested in leading the direction of ACWA Region 5 for the remainder of the 2022-2023 term. The Board is seeking candidates from Region 5 to fill one board vacancy.

The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 5 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 5. The members of the Region 5 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members.

Pursuant to the Region 5 Rules and Regulations, Region 5 Board Members must be a local agency board member.

If you, or someone within your agency, are interested in serving in a leadership role within ACWA by becoming a Region 5 Board Member, please familiarize yourself with the Role of the Regions and Responsibilities [HERE](#); and the Region 5 Rules and Regulations [HERE](#) and complete the following steps:

- **Complete the Nomination Form [HERE](#)**
- **Obtain a Resolution of support from your agency's Board of Directors (sample resolution [HERE](#))**
- **Submit the requested nomination form to ACWA by 5:00 p.m. on Monday, February 28, 2022**

The Region 5 Board will make their appointment shortly thereafter and will inform the region of the results.

If you have any questions, please contact ACWA Regional Affairs Representative II Jennifer Rotz at JenniferR@acwa.com, or call (916) 441-4545.

ACWA Regions provide the grassroots support to advance ACWA's legislative and regulatory agenda.

Background

As a result of ACWA's 1993 strategic planning process, known as Vision 2000, ACWA modified its governance structure from one that was based on sections to a regional-based configuration. Ten regions were established to provide geographic balance and to group agencies with similar interests.

Primary Charge of Regions

- To provide a structure where agencies can come together and discuss / resolve issues of mutual concern and interest and based on that interaction, provide representative input to the ACWA board.
- To assist the Outreach Task Force in building local grassroots support for the ACWA Outreach Program in order to advance ACWA's legislative and regulatory priorities as determined by the ACWA Board and the State Legislative, Federal Affairs or other policy committees.
- To provide a forum to educate region members on ACWA's priorities and issues of local and statewide concern.
- To assist staff with association membership recruitment at the regional level.
- To recommend specific actions to the ACWA Board on local, regional, state and federal issues as well as to recommend endorsement for various government offices and positions.

Region chairs and vice chairs, with support from their region boards, provide the regional leadership to fulfill this charge.

Note: Individual region boards CANNOT take positions, action or disseminate communication on issues and endorsements without going through the ACWA Board structure.

GENERAL DUTIES / RESPONSIBILITIES FOR REGION OFFICERS

Region Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Chair will also call at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement. Appoints Outreach Captain to help lead outreach effort within the region.
- Presides over all region activities and ensures that such activities promote and support accomplishment of ACWA's Goals.
- Makes joint recommendations to the ACWA President regarding regional appointments to all ACWA committees.
- Appoints representatives in concurrence of the region board, to serve on the region's nominating committee with the approval of the region board.
- Facilitates communication from the region board and the region membership to the ACWA board and staff.

Region Vice Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Vice Chair will also participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Performs duties of the Region Chair in the absence of the chair.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement.
- Makes joint recommendations to the ACWA president regarding regional appointments to all ACWA committees.

Region Board Member

- Participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Supports program planning and activities for the region.
- Actively participates and encourages region involvement in ACWA's Outreach Program.
- May serve as alternate for the chair and/or vice chair in their absence (if appointed) to represent the region to the ACWA Board.

ACWA Region 5 Rules & Regulations

Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association (ACWA Bylaw V, 6.).

Officers

Region officers must be a local agency board member.

The chair shall appoint a secretary to the Board if one is deemed necessary.

Attendance

If a region chair or vice chair is no longer allowed to serve on the Board of Directors due to his / her attendance, the region board shall appoint from the existing region board a new region officer. (ACWA Policy & Guideline Q, 1.)

If a region chair or vice chair misses three consecutive region board / membership meetings, the same process shall be used to backfill the region officer position. (ACWA Policy & Guideline Q, 1.)

If a region board member has three consecutive unexcused absences from a region board meeting or general membership business meeting, the region board will convene to discuss options for removal of the inactive board member. If the vacancy causes the board to fail to meet the minimum requirement of five board members, the region must fill the vacancy according to its rules and regulations. (ACWA Policy & Guideline Q, 3.)

Vacancy

The vice chair position shall automatically ascend to the chair position in the event that a vacancy occurs in the chair position during the regular term cycle.

Elections

All nominations received for the region chair, vice chair and board positions must be accompanied by a resolution of support from each sponsoring member agency, signed by an authorized representative of the Board of Directors. Only one individual may be nominated from a given agency to run for election to a region board. Agencies with representatives serving on the nominating committees should strive not to submit nominations for the region board from their agency. (ACWA Policy & Guideline P, 2.)

Election ballots will be e-mailed to ACWA member agency general managers and presidents.

The nominating committee shall consist of three to five members.

In an effort to preserve objectivity during the nominating committee process, candidates other than nominating committee members shall be nominated for election.

The nominating committee should pursue qualified members within the region to run for the region board, and should consider geographic diversity, agency size and focus in selecting a slate.

See the current region election timeline for specific dates.

Endorsements

ACWA, as a statewide organization, may endorse potential nominees and nominees for appointment to local, regional, and statewide commissions and boards. ACWA's regions may submit a recommendation for consideration and action to the ACWA Board of Directors to endorse a potential nominee or nominee for appointment to a local, regional or statewide commission or board. (ACWA Policy & Guideline P, 3.)

Committee Recommendations & Representation

All regions are given equal opportunity to recommend representatives of the region for appointment to a standing or regular committee of the Association. If a region fails to provide full representation on all ACWA committees, those committee slots will be left open for the remainder of the term or until such time as the region designates a representative to complete the remainder of the term. (ACWA Policy & Guideline P, 4. A.)

At the first region board / membership meeting of the term, regions shall designate a representative serving on each of the standing and regular committees to serve as the official reporter to and from the committee on behalf of the region to facilitate input and communication. (ACWA Policy & Guideline P, 4. B.)

The chair and vice chair shall make all committee appointment recommendations to the ACWA committees, to be ratified by the region board prior to submission to the ACWA president for consideration.

Tours

ACWA may develop and conduct various tours for the regions. All tour attendees must sign a "release and waiver" to attend any and all region tours. Attendees agree to follow environmental guidelines and regulations in accordance with direction from ACWA staff; and will respect the rights and privacy of other attendees. (ACWA Policy & Guideline P, 6.)

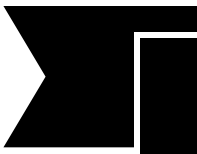
Finances

See "Financial Guidelines for ACWA Region Events" document.

Amending the Region Rules & Regulations

ACWA policies and guidelines can be amended by approval of the ACWA Board of Directors.

The Region 5 Rules & Regulations can be amended by a majority vote of those present at any Region 5 meeting as long as a quorum is present.



REGION BOARD CANDIDATE NOMINATION FORM

Name of Candidate: _____

Agency: _____ Title: _____

Agency Phone: _____ Direct Phone: _____

E-mail: _____ ACWA Region: _____ County: _____

Address: _____

Agency Function(s): (check all that apply)

- | | | |
|--------------------|------------------------|--|
| Wholesale | Sewage Treatment | Flood Control |
| Urban Water Supply | Retailer | Groundwater Management / Replenishment |
| Ag Water Supply | Wastewater Reclamation | Other: _____ |

Describe your ACWA-related activities that help qualify you for this office:

In the space provided, please write or attach a brief, half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership. Please include the number of years you have served in your current agency position, the number of years you have been involved in water issues and in what capacity you have been involved in the water community.

I acknowledge that the role of a region board member is to actively participate on the Region Board during my term, including attending region board and membership meetings, participating on region conference calls, participating in ACWA's Outreach Program, as well as other ACWA functions to set an example of commitment to the region and the association.

*I hereby submit my name for consideration by the Region Board.
(Please attach a copy of your agency's resolution of support/sponsorship for your candidacy.)*

Signature Title Date

Submit completed form to Petra Rice at petrar@acwa.com

RESOLUTION NO. _____

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
(DISTRICT NAME)
PLACING IN NOMINATION (NOMINEE NAME)
AS A MEMBER OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
REGION ____ (POSITION)**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF (DISTRICT NAME) AS FOLLOWS:

A. Recitals

(i) The Board of Directors (Board) of the (District Name) does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA).

(ii) (Nominee Title), (Nominee Name) is currently serving as (Position) for ACWA Region ____

and/or

(iii) (Nominee Name) has indicated a desire to serve as a (Position) of ACWA Region ____.

B. Resolves

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF (DISTRICT NAME),

(i) Does place its full and unreserved support in the nomination of (Nominee Name) for the (Position) of ACWA Region ____.

(ii) Does hereby determine that the expenses attendant with the service of (Nominee Name) in ACWA Region ____ shall be borne by the (District Name).

Adopted and approved this ____ day of ____ (month) 2022.

(SEAL)

(Nominee Name), (Title)
(District Name)

January 6, 2022

ATTEST:

(Secretary Name), Secretary

I, (SECRETARY NAME), Secretary to the Board of Directors of (District Name), hereby certify that the foregoing Resolution was introduced at a regular meeting of the Board of Directors of said District, held on the ____ day of ____ (month) 2022, and was adopted at that meeting by the following roll call vote:

AYES:

NOES:

ABSENT:

ATTEST:

(Secretary Name), Secretary to the
Board of Directors of
(District Name)

January 6, 2022

ACWA Region 5 Board 2022-2023 Term

Chair:

John L. Varela, Valley Water
5750 Almaden Expressway
San Jose, CA 95118
Agency Phone: 408.630.2883
Email: jvarela@valleywater.org
CC: ckwok-smith@valleywater.org
Position: Director – District 1

Sarah Palmer, Zone 7 Water Agency
100 North Canyon Pkwy
Livermore, CA 94551
Agency Phone: 925.454.5000
Cell: 925.784.1727
Email: palmer.sarahL@gmail.com
Position: Director

Vice Chair:

Jack Burgett, North Coast County Water District
2400 Francisco Blvd.
Pacifica, CA 94044
Agency Phone: 650.355.3462
Cell: 650.799.3055
Email: dburgettmarine66@att.net
CC: stephaniedalton@nccwd.com
Position: Director

Floyd Wicks, Montecito Water District
583 San Ysidro Road
Santa Barbara, CA 93108
Agency Phone: 805.969.2271
Cell: 805.455.1670
Email: floyd1647@gmail.com
Position: Director

Vacant

Board Members:

Ernesto A. Avila, Contra Costa Water District
1331 Concord Avenue
Concord, CA 94520
Agency Phone: 925.688.8000
Email: eavila@ccwater.com
CC: vsepulveda@ccwater.com
Position: Director

Mary Bannister, Pajaro Valley Water Management Agency
36 Brennan Street
Watsonville, CA 95076
Agency Phone: 831.722.9292
Email: marybann@aol.com
CC: lockwood@pvwater.org
Position: Director – Division B

REGION MAP



REGIONS
1, 3, 5

Jennifer Rotz
Regional Affairs Representative II
jenniferr@acwa.com

REGIONS
2, 6, 7

Michael Cervantes
Senior Regional Affairs Representative
michaelc@acwa.com

REGION
4

Ana Javaid
Region & Member Engagement
Specialist II
anaj@acwa.com

REGIONS
8, 9, 10

Sarah Hodge
Regional Affairs Representative I
sarahh@acwa.com



ACWA Public Water Agency Members by County

<p>Alameda Alameda County Water District City of Pleasanton Dublin San Ramon Services District East Bay Municipal Utility District Zone 7 Water Agency</p> <p>Alpine Kirkwood Meadows PUD</p> <p>Amador Amador Water Agency</p> <p>Butte Butte Water District Ducor Community Services District Paradise Irrigation District Reclamation District #2047 Richvale Irrigation District South Feather Water and Power Agency Thermalito Water & Sewer District Western Canal Water District</p> <p>Calaveras Calaveras County Water District Calaveras Public Utility District San Andreas Sanitary District Utica Water Power Authority</p> <p>Colusa Colusa County Water District Knights Landing Ridge Drainage District Princeton-Codora-Glenn Irrigation District Reclamation District #1004 Reclamation District #108 Sacramento River West Side Levee District Sites Project Joint Powers Authority</p> <p>Contra Costa Byron Bethany Irrigation District Contra Costa Water District Diablo Water District East Contra Costa Irrigation District</p> <p>El Dorado El Dorado County Water Agency El Dorado Irrigation District Georgetown Divide PUD South Tahoe Public Utilities District</p> <p>Fresno City of Fresno Consolidated Irrigation District Dudley Ridge Water District Firebaugh Canal Water District Free Water County Water District Fresno Irrigation District Fresno Metropolitan Flood Control District Fresno Slough Water District Friant North Authority James Irrigation District Kings River Water District Laguna Irrigation District Laton Community Service District Malaga County Water District McMullin Area Groundwater Sustainability Agency Mid-Valley Water District Orange Cove Irrigation District Pacheco Water District Panoche Drainage District Panoche Water District Pinedale County Water District Raisin City Water District Reclamation District #1606 Riverdale Irrigation District Root Creek Water District Sierra Cedars Community Services District Tranquillity Irrigation District Westlands Water District</p> <p>Glenn Glenn-Colusa Irrigation District Glide Water District Kanawha Water District Orland-Artois Water District Provident Irrigation District Reclamation District #2047 Tehama Colusa Canal Authority</p> <p>Humboldt Humboldt Bay Harbor Rec. & CD Humboldt Bay Municipal WD Humboldt CSD McKinleyville CSD</p> <p>Imperial Bard Water District Imperial Irrigation District</p> <p>Inyo Wheeler Crest CSD Sierra Highlands CSD</p> <p>Kern Arvin-Edison Water Storage District Belridge Water Storage District Berrenda Mesa Water District</p>	<p>Boron Community Services District Buena Vista Water Storage District Cawelo Water District City of Tehachapi Delano-Earlilmart ID Groundwater Sustainability Delano-Earlilmart Irrigation District Frazier Park Public Utilities District Golden Hills CSD Greenfield County Water District Groundwater Banking JPA Indian Wells Valley Water District Kern County Water Agency Kern Delta Water District Kern Tulare Water District Lost Hills Water District Mojave PUD North Kern WSD Rand Communities WD Rosamond CSD Rosedale-Rio Bravo WSD Semitropic WSD Shafter-Wasco ID Southern San Joaquin MUD Tehachapi-Cummings County WD West Kern WD Westside Water Authority Wheeler Ridge-Maricopa WSD</p> <p>Kings Angiola Water District Atwell Island Water District Corcoran Irrigation District Fair Creek Storm Water District El Rico GSA Empire West Side Irrigation District Green Valley Water District Kings County Water District Lakeside Irrigation Water District Tri-County Water Authority Tulare Lake Basin WSD W. H. Wilbur Rec. District #825</p> <p>Lake Clearlake Oaks County Water District Hidden Valley Lake Community Services District</p> <p>Los Angeles Antelope Valley State Water Contractors Antelope Valley-East Kern WA Azusa Light & Water Burbank Water & Power Central Basin MWD Cresenta Valley Water District City of Compton City of Glendora-Water Division City of La Verne City of Long Beach Water Dept. Devils Den Water District Foothill Municipal Water District Glendale Water & Power Kinneloa Irrigation District La Canada Irrigation District La Puente Valley County WD Las Virgenes Municipal WD Littlerock Creek Irrigation District Los Angeles County Waterworks Districts Los Angeles Dept. of Water Power Main San Gabriel Basin Watermaster Metropolitan Water District of Southern California Orchard Dale Water District Palm Ranch Irrigation District Palmdale Water District Pasadena Water & Power Pico Water District Pomona-Walnut-Rowland JWLC Puente Basin Water Agency Quartz Hill Water Districts Rowland Water District San Gabriel Basin Water Quality Authority San Gabriel County Water District San Gabriel Valley Municipal Water District Santa Clarita Valley Water Agency Spadra Basin Groundwater Sustainability Agency SCV Groundwater Sustainability Agency South Montebello Irrigation District Three Valleys Municipal WD Upper San Gabriel Valley MWD Upper Santa Clara Valley Joint Power Authority Valley County Water District Walnut Valley Water District Water Replenishment District of Southern California West Basin Municipal Water District</p> <p>Madera Chowchilla Water District</p>	<p>Gravelly Ford Water District Le Grand-Athlone Water District Madera County Water and Natural Resources Madera Irrigation District Madera Water District Madera-Chowchilla Water and PA</p> <p>Marin Bolinas Community PUD Marin Municipal Water District North Marin Water District Stinson Beach County Water District</p> <p>Mariposa Mariposa Public Utilities District</p> <p>Mendocino Brooktrails Township Community Services District Calpella County Water District Laytonville County Water District Mendocino County Russian River Flood Control & Water Millview County Water District Redwood Valley County WD Upper Russian River Water Agency Willow County Water District</p> <p>Merced Central California Irrigation District Delhi County Water District Eastside Water District East Turlock Subbasin Groundwater Sustainability Agency Grassland Water District Henry Miller Rec. District #2131 Le Grand Community Services District Merced Integrated Regional Water Management Authority Merced Irrigation District Planada Community Services District San Luis & Delta-Mendota Water Authority San Luis Water District</p> <p>Mono Mammoth Community WD</p> <p>Monterey Aromas Water District Castroville Community Services District Marina Coast Water District Monterey One Water Monterey Peninsula Water Management District Pebble Beach Community Services District</p> <p>Napa Circle Oaks County Water District</p> <p>Nevada Nevada Irrigation District San Juan Ridge County WD Sierra Lakes County Water District Truckee Donner PUD</p> <p>Orange City of Newport Beach City of Santa Ana City of Seal Beach East Orange County Water District El Toro Water District Irvine Ranch Water District La Habra Heights County Water District Laguna Beach County Water District Mesa Water District Moulton Niguel Water District MWD of Orange County Orange County Water District Santa Margarita Water District Santiago Aqueduct Commission Serrano Water District South Coast Water District Trabuco Canyon Water District West Orange County Water Board Yorba Linda Water District</p> <p>Placer City of Roseville Midway Heights County WD Placer County Water Agency San Juan Water District Tahoe City Public Utilities District</p> <p>Riverside Beaumont-Cherry Valley WD Benford-Coldwater Groundwater Sustainability Agency City of Corona Dept. of Water & Power Coachella Valley Water District Coachella Water Authority Desert Water Agency Eastern Municipal Water District Elsinore Valley MWD</p>	<p>Idyllwild Water District Indio Water Authority Jurupa Community Services District Lake Hemet Municipal WD Mission Springs Water District Palo Verde Irrigation District Pinyon Pines County Water District Rancho California Water District Riverside County Flood Control & Water Conservation District Riverside Public Utilities Salton Sea Authority San Gorgonio Pass Water Agency Santa Ana Watershed Project Authority Santa Rosa Regional Resources Authority Western Municipal Water District</p> <p>Sacramento American River Flood Control District Carmichael Water District Citrus Heights Water District City of Folsom City of Sacramento - Dept. of Utilities Del Paso Manor Water District Delta Conveyance Design and Construction Authority Elk Grove Water District, Dept. of FRCD Fair Oaks Water District North Delta Water Agency Omochumne-Hartnell WD Reclamation District #1000 Rio Linda/Elverta Community WD Sacramento County Water Agency Sacramento Suburban WD South Yuba Water District</p> <p>San Benito City of San Juan Bautista San Benito County Water District Sunnyslope County Water District</p> <p>San Bernardino Apple Valley Foothill County WD Apple Valley Heights County WD Bear Valley Basin Groundwater Sustainability Agency Big Bear City Community Services District Big Bear Municipal Water District Chino Basin Water Conservation District Chino Basin Watermaster City of Rialto/Rialto Utility Authority Crestline Village Water District Crestline-Lake Arrowhead WA Cucamonga Valley Water District East Valley Water District Hi-Desert Water District Inland Empire Utilities Agency Joshua Basin Water District Mariana Ranchos County WD Moajave Water Agency Monte Vista Water District San Bernardino Valley Municipal Water District San Bernardino Valley Water Conservation District Twentynine Palms Water District West Valley Water District</p> <p>San Diego Borrego Water District Carlsbad Municipal Water District City of Escondido City of Oceanside-Water Utilities Dept. City of San Diego Public Utilities Fallbrook Public Utility District Helix Water District Lakeside Water District Majestic Pines Community Services District Olivenhain Municipal Water District Otay Water District Padre Dam Municipal Water District Rainbow Municipal Water District Ramona Municipal Water District Rincon del Diablo Municipal Water District San Diego County Water Authority San Dieguito Water District Santa Fe Irrigation District South Bay Irrigation District Sweetwater Authority Upper San Luis Rey RCD Vallecitos Water District Valley Center Municipal Water District Vista Irrigation District Wynola Water District Yuima Municipal Water District</p>	<p>San Francisco San Francisco Public Utility Commission</p> <p>San Joaquin Banta-Carbona Irrigation District Central San Joaquin Water Conservation District Mountain House Community Services District North San Joaquin Water Conservation District Pescadero Reclamation District #2058 Reclamation District #2026 South San Joaquin Irrigation District Stockton East Water District The West Side Irrigation District Woodbridge Irrigation District</p> <p>San Mateo Bay Area Water Supply & Conservation Agency Coastside County Water District Mid-Peninsula Water District Montara Water & Sanitary District North Coast County Water District San Franciscoquito Creek Joint Powers Authority San Mateo Flood and Sea Level Rise Resiliency District Westborough Water District</p> <p>Santa Barbara Cachuma Operation and Maintenance Board Carpinteria Valley Water District Central Coast Water Authority City of Buellton City of Santa Barbara Goleta Water District Los Alamos Community Services District Mission Hills Community Services District Montecito Sanitation District Montecito Water District Santa Ynez River Water Conservation District Improvement District No. 1 Vandenberg Village Community Services District</p> <p>Santa Clara City of Mountain View Purissima Hills Water District Valley Water</p> <p>Santa Cruz Central Water District City of Santa Cruz Water Dept. City of Watsonville Water Department Pajaro Valley Water Management Agency Pajaro/Sunny Mesa Community Services District Scotts Valley Water District Soquel Creek Water District</p> <p>Shasta Anderson-Cottonwood ID Bella Vista Water District Centerville Community Services District City of Redding Water Utility City of Shasta Lake Clear Creek Community Services District Cottonwood Water District Fall River Valley Community Services District Mountain Gate Community Services District Rio Alto Water District Shasta Community Services District Shasta County Water Agency</p> <p>Sierra Sierra County WWD #1</p> <p>Siskiyou Montague Water Conservation District Scott Valley Irrigation District Tulelake Irrigation District</p> <p>Solano City of Fairfield City of Vacaville, Utilities Department City of Vallejo Maine Prairie Water District Reclamation District #2068 Rural North Vacaville Water District Solano County Water Agency Solano Irrigation District Suisun-Solano Water Authority</p> <p>Sonoma Bodega Bay PUD</p>	<p>City of Santa Rosa - Water Dept. Forestville Water District Sonoma Mountain County WD Sonoma Valley Groundwater Sustainability Agency Sonoma Water Valley of the Moon Water District</p> <p>Stanislaus City of Modesto, Utilities Department Del Puerto Water District Lake Don Pedro Community Services District Modesto Irrigation District Oakdale Irrigation District Patterson Irrigation District Stanislaus Regional Water Authority Turlock Irrigation District West Stanislaus Irrigation District</p> <p>Sutter Brophy Water District Feather Water District Reclamation District #1500 South Sutter Water District Sutter Extension Water District</p> <p>Tehama Corning Water District</p> <p>Trinity Weaverville Community Services District</p> <p>Tulare Alpaugh Community Services District Alpaugh Irrigation District Alta Irrigation District County of Tulare, County Administration Office Deer Creek & Tule River Authority Eastern Tule GSA JPA Exeter Irrigation District Friant Power Authority Friant Water Authority Ivanhoe Irrigation District Ivanhoe Public Utilities District Kaweah Delta Water Conservation District Kaweah River Power Authority Kings River East Groundwater Sustainability Agency Kings River Water District Lindsay-Strathmore Irrigation District Lower Tule River Irrigation District Lower Tule River Irrigation District GSA Mid-Kaweah Groundwater Sustainability Agency Orosi Public Utilities District Pixley Irrigation District Pixley Irrigation District GSA Porterville Irrigation District Saucelito Irrigation District South Valley Water Association South Valley Water Banking Authority St. Johns Water District Stone Corral Irrigation District Terra Bella Irrigation District Tri-Valley Water District Tulare Irrigation District</p> <p>Tuolumne Tri-Dam Project Tuolumne County Water Agency Tuolumne Utilities District</p> <p>Ventura Arroyo Santa Rosa GSA Calleguas Municipal Water District Camrosa Water District Casitas Municipal Water District Channel Islands Beach Community Services District County of Ventura Public Works Pleasant Valley County Water District Triunfo Water & Sanitation District United Water Conservation District Ventura County, Public Works Ventura River Water District Ventura Water, City of Ventura</p> <p>Yolo Dunnigan Water District Reclamation District #2035 Reclamation District #307 Reclamation District #744 Reclamation District #999 Woodland Davis Clean Water Agency Yolo County Flood Control and Water Conservation District</p> <p>Yuba Browns Valley Irrigation District Camp Far West Irrigation District City of Yuba City North Yuba Water District Ramirez Water District Yuba County Water Agency</p>
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California Water Insurance Fund Board

A JPIA Captive Insurance Company

Nomination Procedures

Approximately 90 Days before Election (February 1, 2022)

All JPIA Directors and Member Districts are to be notified of:

- A) Date and place of Election;
- B) California Water Insurance Fund Board positions and terms of office to be filled by election; and
- C) Nomination Procedures.

90 to 45 Days before Election (February 1 – March 18, 2022)

- A) A district (that participates in the JPIA Liability Program and at least one of the other programs: Property, Workers' Compensation, or Employee Benefits) may place into nomination its member of the Board of Directors of JPIA with the concurrence of three districts, then members of the JPIA, in addition to the nominating district.
- B) Sample resolutions are available on the JPIA website.
- C) The **district is solely responsible** for timely submission of the nominating resolution and the three additional concurring in nomination resolutions of its candidate for office.

45 Days before Election (March 18, 2022)

- A) Deadline and location for receiving the nominating and concurring in nomination resolutions in the JPIA office:

Friday – March 18, 2022, – 4:30 p.m.

Sylvia Robinson, Publications & Web Editor
JPIA

P. O. Box 619082, Roseville, CA 95661-9082
(srobinson@acwajpia.com)

- B) Candidates' statement of qualifications must be submitted, if desired, with the nominating resolutions. The statement of qualifications must be submitted on one side of an 8½ x 11" sheet of paper suitable for reproduction and distribution to all districts. (MSWord or PDF documents preferred).

14 Days before Election (April 18, 2022)

Final notice of the upcoming Election of Executive Committee members will be included as part of the Board of Directors' meeting packet. Final notice shall include:

- A) Date, Time, and Place of Election;
- B) Name and District of all qualified candidates;
- C) Candidate's statement of qualifications (if received); and
- D) Election Procedures and Rules.

AGENDA REPORT

Scotts Valley Water District

Date: 02/10/22

To: Board of Directors

Item: Business 6.1

Subject: **Miscellaneous Fee Schedule**

Reason: Supports Strategic Goal No. 3 Financial Stewardship

SUMMARY

Recommendation: Adopt Resolution No. 02-22 updating the Fee Schedule for Bulk, Temporary and Miscellaneous Services and rescinding Resolution No. 06-20.

Fiscal Impact: The fees are designed to cover the cost of specific activities that are intermittent and benefit only certain customers. No material impact to revenue is anticipated from this action.

Previous Related Action: On 01/12/17, the Board adopted Resolution No. 01-17 establishing the Fee Schedule for Bulk, Temporary and Miscellaneous Services and rescinding Resolution No. 05-16.

On 07/09/20, the Board adopted Resolution 06-20 updating the Fee Schedule effective 07/10/20 and rescinding Resolution No. 10-19.

On 10/14/21, the Board adopted Resolution 08-21 setting water rates effective 01/01/21.

On 01/26/22, the Finance and Personnel Committee reviewed the proposed Fee Schedule changes for Bulk, Temporary and Miscellaneous Services.

BACKGROUND

All non property related fees are established by the District's Board of Directors in accordance with the Administrative Code. The recycled bulk water rates also comply with the Second Amendment to the Recycled Water Supply Use, Maintenance and Operations Agreement between the City of Scotts Valley and the District.

DISCUSSION:

Updates to the Fee Schedule for Bulk, Temporary and Miscellaneous Services schedule include a revised schedule for bulk/temporary uniform rates and changes to Service Application Deposits and Passthrough amounts. The Board approved a potable and recycled water rate schedule on October 14, 2021, which included new uniform rates and billing units for landscape service.

The bulk/temporary uniform rates on the Fee Schedule are updated to match these rates. The other change on this Fee Schedule is to Service Application deposit amounts. The District collects deposits from applicants to cover the costs of processing the application. Based on data over the past three years, deposits have been insufficient for an increasing number of service applications. This Fee Schedule establishes new Deposit and Passthrough amounts for Single-Family Residential Project, Fire Service Upgrade and Small Development Projects.

Submitted,

Piret Harmon
General Manager

Enclosed: Resolution No. 02-22
 Fee Schedule for Bulk, Temporary and Miscellaneous Services

RESOLUTION No. 02-22

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE SCOTTS VALLEY WATER DISTRICT
UPDATING THE FEE SCHEDULE FOR BULK, TEMPORARY AND MISCELLANEOUS SERVICES AND
RESCINDING RESOLUTION No. 06-20

WHEREAS:

1. Pursuant to Water Code Section 31007, the Scotts Valley Water District is required to set water rates and charges at a level to sufficiently pay for the provision of water services.
2. On October 14, 2021, the Board of Directors adopted water rates and fees consistent with the requirements of the California Constitution Article XIID.
3. The fees for bulk water service, temporary service and other miscellaneous services are designed to cover the cost of specific activities that are intermittent and benefit only certain customers.

THEREFORE, BE IT RESOLVED by the Board of Directors of the Scotts Valley Water District that it:

1. Adopts the fees set forth on Exhibit A effective February 11, 2022.
2. Rescinds Resolution No. 06-20.

PASSED AND ADOPTED this 10th day of February 2022, by the following vote:

AYES:

NOES:

ABSENT:

Ruth Stiles, President
Board of Directors

Attest: _____
Piret Harmon, General Manager



FEE SCHEDULE FOR BULK, TEMPORARY AND MISCELLANEOUS SERVICES

BULK/TEMPORARY METER CHARGES	Effective 2/11/22	Effective 1/1/23	Effective 1/1/24	Effective 1/1/25	Effective 1/1/26
---	------------------------------	-----------------------------	-----------------------------	-----------------------------	-----------------------------

Bulk Meter Deposit *	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Temporary Meter Deposit **	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Basic Meter Charge	\$0	\$0	\$0	\$0	\$0

BULK/TEMPORARY UNIFORM RATES (Per 100 Gal)	Effective 2/11/22	Effective 1/1/23	Effective 1/1/24	Effective 1/1/25	Effective 1/1/26
---	------------------------------	-----------------------------	-----------------------------	-----------------------------	-----------------------------

Bulk/Temporary Potable Water	\$2.22	\$2.33	\$2.45	\$2.57	\$2.70
Bulk/Temporary Recycled Water:					
City Residents or District Customers (up to 250 gpd) ***	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Residents or District Customers (over 250 gpd)	\$1.41	\$1.48	\$1.64	\$1.82	\$2.01
All Other Customers	\$1.76	\$1.85	\$2.05	\$2.28	\$2.51

- * Collected upon approving the service and reimbursed after the meter is returned and outstanding balance paid in full
- ** Collected upon approving the service and used as a credit toward connection charge after passing District's inspection for permanent service
- *** At Recycled Water Fill Station only

Notes: 1) Board will evaluate and determine the need prior to implementing increases scheduled for 2023-2026
 2) Rates will be implemented in the first full service/billing period following the effective date

MISCELLANEOUS SERVICES	Effective 2/11/22
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Will Serve Request Fee	\$125
Service Application Deposits & Passthroughs:	
Single Family Residential Project	\$750
Fire Service Upgrade	\$500
Small Development Project	\$500
Large Development Project	\$1,000-\$5,000
New Account Fee *	\$25
Returned Check Fee	\$25
Late Payment Fee	\$7
Red Tag Fee	\$15
Meter Testing Fee	\$100
Account Reconnect Fee (business hours)	\$50
Account Reconnect Fee (after hours)	\$150

* Waived if customer enrolls in WaterSmart, autopay and paperless billing.

STAFF REPORT - Finance

Scotts Valley Water District

Date: 02/10/22
To: Board of Directors
From: General Manager
Item: Staff Reports 7.3
Subject: **Financial Reports 07/01/21 through 12/31/21**

Summary

Fiscal Year-to-Date (YTD) preliminary figures reflect the period of 07/01/21 through 12/31/21. YTD revenues total \$4.1M and expenses total \$3.7M.

Revenue

December is the sixth month of the fiscal year and the second month of the November-December potable water billing period. YTD potable water sales revenue is \$2.3M, water services revenue is \$1.2M and new connections revenue is \$174K. Total YTD revenue in the potable water fund is \$3.7M, equal to 43% of the budget and 3% lower than the same period last year.

YTD recycled water sales revenue is \$338K, water services revenue is \$37K, and \$52K in revenue from new connections for the period. Total YTD revenue of \$429K in the recycled water fund equals 71% of the budget, which is 29% higher than for the same period of last fiscal year.

Expenses

Combined YTD operating expenses are below budget, with expenses of \$2.7M representing 44% of the budget. Project expenditures total \$391K and the debt service principal payment of \$567K was made.

Fund Balance

Cash reserves at the end of December were approximately \$4.5M with another \$1.2M booked in Accounts Receivable.

Enclosed

Financial Report Q2 of FY 2022
Budget Status Balance 07/01/21 – 12/31/21
Budget Status Revenue 07/01/21 – 12/31/21
Budget Status Expense 07/01/21 – 12/31/21
Projects Expense 07/01/21 – 12/31/21
Balance Sheet 12/31/21
Check Register 12/01/21 – 12/31/21
Investment Summary 12/31/21

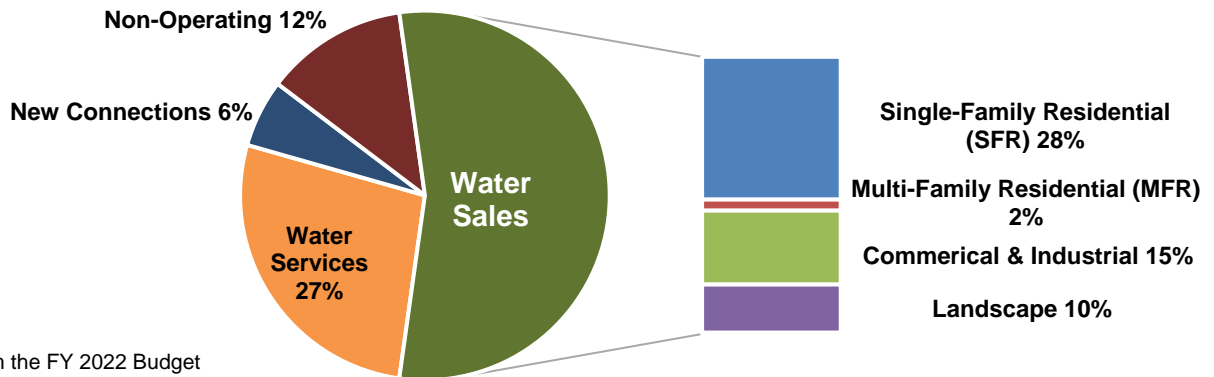


FY 2022 - Financial Report

July 1, 2021 – December 31, 2021

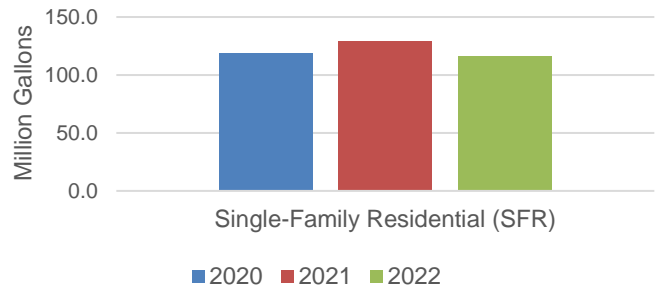
Revenues

Scotts Valley Water District revenues come from four main sources: Water Sales, Water Services (Basic Service Charge), New Connections, and Non-Operating*.



The District's largest revenue category is Single Family Residential (SFR) Water Sales. Revenue in the SFR category for the period of July through December is down 10.2% from the same period in the prior year. Drought surcharges were in place for two billing periods in the fiscal year.

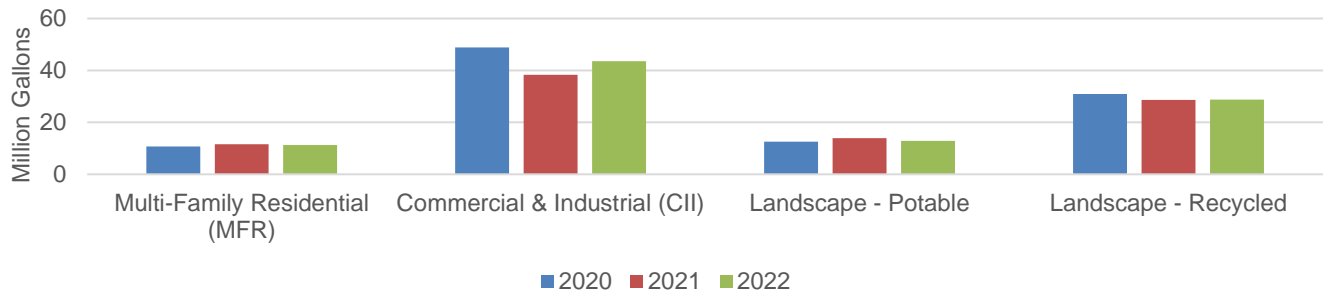
Consumption 3 Year History : SFR (July through December)



Consumption

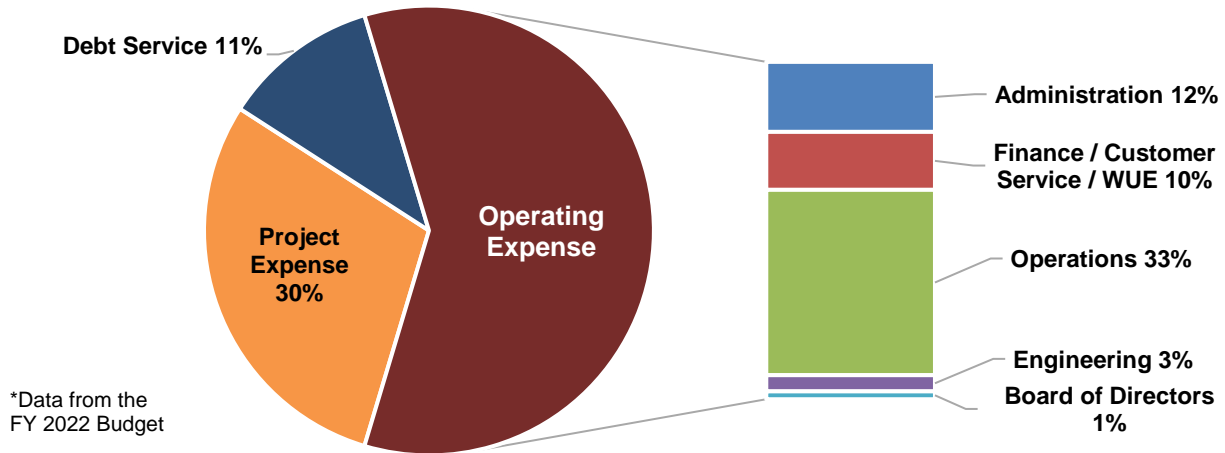
Water consumption by SFR customers through the second quarter is 116 million gallons, down 12.9 million gallons or 10% from FY 2021.

Consumption 3 Year History : MFR, CII, Landscape (July through December)



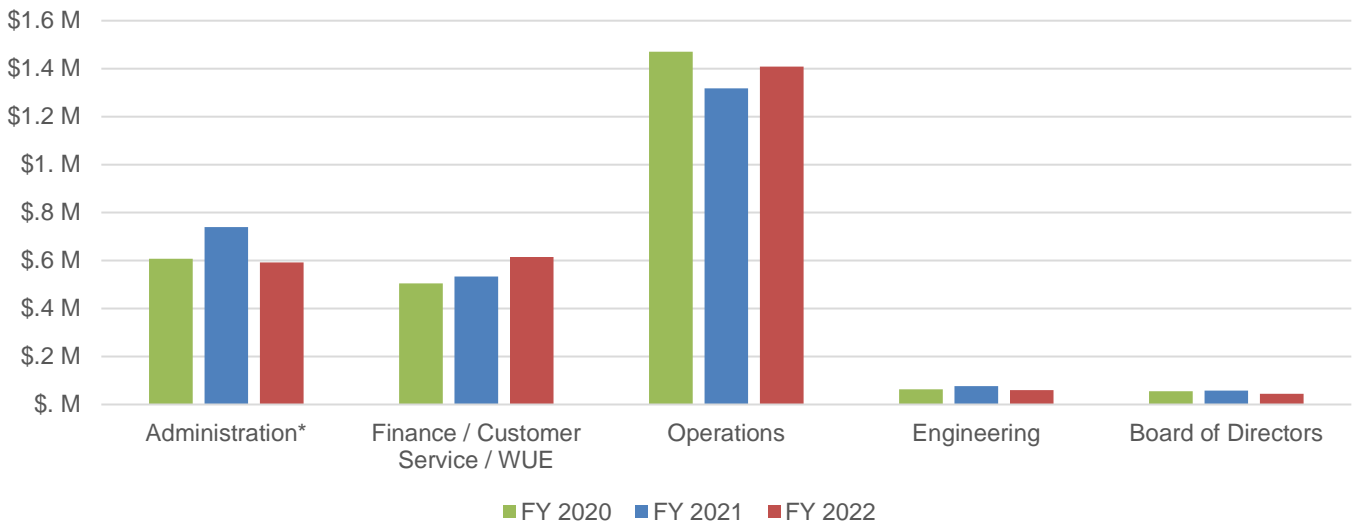
Expenses

District expenses are comprised of three major categories: Operating Expenses, Project Expenses, and Debt Service. The chart below presents the FY 2022 Budget by expense category, with Operating Expenses broken down by Division*.



Operating expenses are the organization's largest expense category. District operating expenses reflect the cost of providing uninterrupted high-quality water service across the service area. Operating expenses through Q2 of FY 2022, which accounts for activity from July 2021 through December 2021, are below budget. Total operating expenses in FY 2022 are lower than the FY 2021 total by 0.2%. The chart below compares Operating Expenditures by Division for each of the past three fiscal years. The Finance / Customer Service Division has experienced increased costs from customer rebates.

**Operating Expenses 3 Year History by Division
July through December**

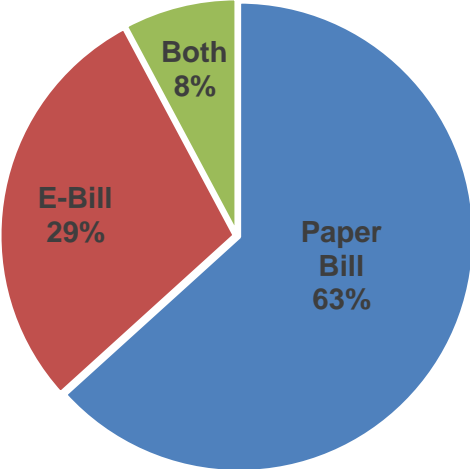


Customer Accounts

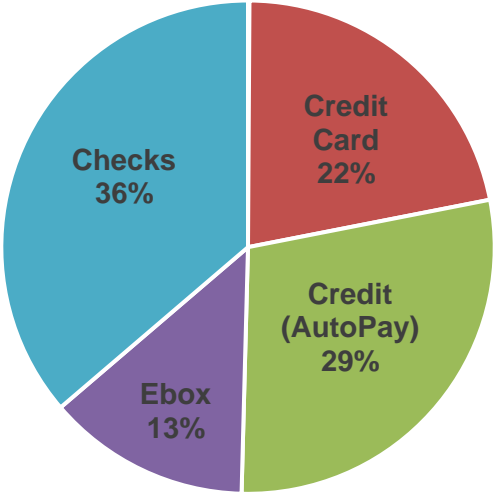
The charts below provide additional information on how customers interact with the District.

Total Accounts: 4,431

How do customers RECEIVE their bill?



How do customers PAY their bill?



Budget Status - Balance



Period: 07/01/21 - 12/31/21

FY Remain: 50%

	FY 2021 YTD Actual	FY 2022 YTD Actual	FY 2022 vs. FY 2021	YOY % change	FY 2022 Budget	FY 2022 Remaining Balance	%
Period: 07/01/21 - 12/31/21 (6 months)							
Potable Water - Fund 01							
Water Sales & Services (R10, R20)	\$ 3,286,230	\$ 3,480,794	\$ 194,564	6%	\$ 6,984,185	\$ 3,503,391	50%
New Connections (R25)	\$ 463,162	\$ 174,057	\$ (289,105)	-62%	\$ 528,322	\$ 354,265	67%
Other Revenue (R30, R40)	\$ 48,013	\$ 33,152	\$ (14,861)	-31%	\$ 1,133,340	\$ 1,100,188	97%
Potable Water Total	\$ 3,797,405	\$ 3,688,003	\$ (109,402)	-3%	\$ 8,645,847	\$ 4,957,844	57%
Recycled Water - Fund 02							
Water Sales & Services (R10, R20)	\$ 331,073	\$ 375,811	\$ 44,737	14%	\$ 568,600	\$ 192,789	34%
New Connections (R25)	\$ -	\$ 51,684	\$ 51,684	-	\$ 19,083	\$ (32,601)	-171%
Other Revenue (R30, R40)	\$ 2,726	\$ 1,988	\$ (739)	-27%	\$ 19,575	\$ 17,587	90%
Recycled Water Total	\$ 333,800	\$ 429,483	\$ 95,683	29%	\$ 607,258	\$ 177,775	29%
TOTAL REVENUE	\$ 4,131,205	\$ 4,117,485	\$ (13,719)	0%	\$ 9,253,105	\$ 5,135,620	56%
Expenses - Fund 01 and Fund 02 Combined							
Salaries & Benefits (E01)	\$ 1,499,124	\$ 1,477,824	\$ (21,301)	-1%	\$ 3,142,082	\$ 1,664,258	53%
Services & Supplies (E03-E80)	\$ 1,226,389	\$ 1,242,259	\$ 15,870	1%	\$ 3,063,775	\$ 1,821,516	59%
Project Expenses	\$ 714,741	\$ 391,396	\$ (323,345)	-45%	\$ 2,678,934	\$ 2,287,538	85%
Debt Service - Principal	\$ 460,030	\$ 567,298	\$ 107,268	23%	\$ 567,298	\$ -	0%
TOTAL EXPENSES *	\$ 3,900,284	\$ 3,678,776	\$ (221,508)	-6%	\$ 9,452,089	\$ 5,773,313	61%
NET REVENUE	\$ 230,921	\$ 438,710	\$ 207,789		\$ (198,984)	\$ (637,694)	
Period: 07/01/21 - 12/31/21 (6 months)							
Total Revenue	\$ 4,131,205	\$ 4,117,485	\$ (13,719)	0%	\$ 9,253,105	\$ 5,135,620	56%
Total Expenses *	\$ 3,900,284	\$ 3,678,776	\$ (221,508)	-6%	\$ 9,452,089	\$ 5,773,313	61%
Net Revenue	\$ 230,921	\$ 438,710	\$ 207,789		\$ (198,984)		
Period: 07/01/21 - 11/30/21 (5 months)							
Total Revenue	\$ 3,637,673	\$ 3,807,626	\$ 169,953	5%	\$ 9,253,105	\$ 5,445,479	59%
Total Expenses *	\$ 3,352,359	\$ 3,187,608	\$ (164,751)	-5%	\$ 9,452,089	\$ 6,264,481	66%
Net Revenue	\$ 285,313	\$ 620,018	\$ 334,705		\$ (198,984)		

* Expense totals do not include depreciation expense

Budget Status - Revenue



Period: 07/01/21 - 12/31/21

FY Remain: 50%

Fund 01	Potable Water	FY 2021 YTD Actual	FY 2022 YTD Actual	FY 2022 vs. FY 2021	YOY % change	FY 2022 Budget	FY 2022 Remaining Balance	%
R10	Operating Revenue - Water Sales							
01-000-41101	Residential Consumption - SF	\$ 1,350,099	\$ 1,307,335	\$ (42,764)	-3%	\$ 2,594,087	\$ 1,286,752	50%
01-000-41102	Residential Consumption - MF	\$ 89,779	\$ 90,444	\$ 665	1%	\$ 200,886	\$ 110,443	55%
01-000-41103	CII Consumption	\$ 486,984	\$ 584,449	\$ 97,464	20%	\$ 1,343,116	\$ 758,667	56%
01-000-41106	CII Consumption - Other	\$ 45,279	\$ 52,725	\$ 7,446	16%	\$ -	\$ (52,725)	
01-000-41105	Irrigation Consumption	\$ 245,809	\$ 239,060	\$ (6,749)	-3%	\$ 374,031	\$ 134,971	36%
01-000-41200	Other - Bulk Water	\$ 14,364	\$ 10,010	\$ (4,354)	-30%	\$ 23,090	\$ 13,080	57%
	R10 Sub Totals:	\$ 2,232,315	\$ 2,284,023	\$ 51,709	2%	\$ 4,535,210	\$ 2,251,187	50%
R20	Operating Revenue - Water Services							
01-000-41300	Other - Late Penalty	\$ 7,826	\$ 6,349	\$ (1,477)	-19%	\$ 9,000	\$ 2,651	29%
01-000-42100	Standby Basic Meter Charge	\$ 1,011,480	\$ 1,152,190	\$ 140,710	14%	\$ 2,370,833	\$ 1,218,643	51%
01-000-42121	Standby FP Basic Meter Charge	\$ 29,785	\$ 34,507	\$ 4,722	16%	\$ 62,342	\$ 27,835	45%
01-000-43300	Other Operating Revenue	\$ 4,825	\$ 3,725	\$ (1,100)	-23%	\$ 6,800	\$ 3,075	45%
	R20 Sub Totals:	\$ 1,053,916	\$ 1,196,771	\$ 142,855	14%	\$ 2,448,975	\$ 1,252,204	51%
R25	Operating Revenue - New Connections							
01-000-42101	Other Meter Fee	\$ 5,759	\$ 2,394	\$ (3,365)	-58%	\$ 12,500	\$ 10,106	81%
01-000-42102	Other Capacity Fee	\$ 456,918	\$ 170,577	\$ (286,341)	-63%	\$ 508,022	\$ 337,445	66%
01-000-42120	Other FP Meter Fee	\$ 235	\$ 711	\$ 476	203%	\$ 800	\$ 89	11%
01-000-43100	Other Will Serve	\$ 250	\$ 375	\$ 125	50%	\$ 1,000	\$ 625	63%
01-000-43200	Other Dev Proj Review	\$ -	\$ -	\$ -		\$ 6,000	\$ 6,000	100%
	R25 Sub Totals:	\$ 463,162	\$ 174,057	\$ (289,105)	-62%	\$ 528,322	\$ 354,265	67%
R30	Non-Operating Revenue - Other							
01-000-46000	Property Taxes	\$ 19,750	\$ 29,450	\$ 9,700	49%	\$ 1,071,830	\$ 1,042,380	97%
01-000-47110	Interest & Dividend	\$ 6	\$ 6	\$ 0	6%	\$ 10	\$ 4	39%
01-000-47120	Interest - LAIF	\$ 11,750	\$ 2,544	\$ (9,206)	-78%	\$ 21,700	\$ 19,156	88%
01-000-47520	Misc. Non-Operating Revenue	\$ (4,660)	\$ (5,297)	\$ (638)	14%	\$ 39,800	\$ 45,097	113%
01-000-47540	Third-Party Reimbursements	\$ 20,657	\$ 6,450	\$ (14,207)	-69%	\$ -	\$ (6,450)	
	R30 Sub Totals:	\$ 47,503	\$ 33,152	\$ (144)	-30%	\$ 1,133,340	\$ 1,106,638	98%
R40	Non-Operating Revenue - Grants							
01-000-45260	Local Grant - ACWA JPIA	\$ 510	\$ -	\$ (510)	-100%	\$ -	\$ -	
	R40 Sub Totals:	\$ 510	\$ -	\$ (510)	-100%	\$ -	\$ -	
	Fund 01 Revenue:	\$ 3,797,405	\$ 3,688,003	\$ (95,195)	-3%	\$ 8,645,847	\$ 4,964,294	57%
	Fund 01 Rev Excl Grants & Cap Contributions	\$ 3,796,895	\$ 3,688,003	\$ (94,685)	-3%	\$ 8,645,847	\$ 4,964,294	57%

Budget Status - Revenue



Period: 07/01/21 - 12/31/21

FY Remain: 50%

		FY 2021 YTD Actual	FY 2022 YTD Actual	FY 2022 vs. FY 2021	YOY % change	FY 2022 Budget	FY 2022 Remaining Balance	%
Fund 02	Recycled Water							
R10	Operating Revenue - Water Sales							
02-000-41105	Irrigation Consumption	\$ 297,203	\$ 304,907	\$ 7,704	3%	\$ 501,700	\$ 196,793	39%
02-000-41200	Other - Bulk Water	\$ 6,486	\$ 33,520	\$ 27,033	417%	\$ -	\$ (33,520)	
	R10 Sub Totals:	\$ 303,689	\$ 338,427	\$ 34,738	11%	\$ 501,700	\$ 163,273	33%
R20	Operating Revenue - Water Services							
02-000-42100	Standby Basic Meter Charge	\$ 27,309	\$ 37,309	\$ 10,000	37%	\$ 66,900	\$ 29,591	44%
02-000-43300	Other Operating Revenue	\$ 75	\$ 75	\$ -	0%	\$ -	\$ (75)	
	R20 Sub Totals:	\$ 27,384	\$ 37,384	\$ 10,000	37%	\$ 66,900	\$ 29,516	44%
R25	Operating Revenue - New Connections							
02-000-42101	Other Meter Fee	\$ -	\$ 797	\$ 797		\$ 19,083	\$ 18,286	96%
02-000-42102	Other Capacity Fee	\$ -	\$ 50,887	\$ 50,887		\$ -	\$ (50,887)	
	R25 Sub Totals:	\$ -	\$ 51,684	\$ 51,684		\$ 19,083	\$ (32,601)	-171%
R30	Non-Operating Revenue - Other							
02-000-47110	Interest & Dividend	\$ 2,306	\$ 1,988	\$ (319)	-14%	\$ 4,575	\$ 2,587	57%
02-000-47520	Other Non-Operating Revenue	\$ 420	\$ -	\$ (420)	-100%	\$ -	\$ -	
	R30 Sub Totals:	\$ 2,726	\$ 1,988	\$ (739)	-27%	\$ 19,575	\$ 17,587	90%
	Fund 02 Revenue:	\$ 333,800	\$ 429,483	\$ 95,683	29%	\$ 607,258	\$ 177,775	29%
	Fund 02 Rev Excl Grants & Cap Contributions	\$ 333,800	\$ 429,483	\$ 95,683	29%	\$ 607,258	\$ 177,775	29%
	Revenue Totals:	\$ 4,131,205	\$ 4,117,485	\$ 488	0%	\$ 9,253,105	\$ 5,142,069	56%
	Revenue Total Excl Grants & Cap Contributions	\$ 4,130,695	\$ 4,117,485	\$ 998	0%	\$ 9,253,105	\$ 5,142,069	56%

Budget Status - Expense



Period: 07/01/21 - 12/31/21

FY Remain: 50%

		FY 2021 YTD Actual	FY 2022 YTD Actual	FY 2022 vs. FY 2021	YOY % change	FY 2022 Budget	FY 2022 Remaining Balance	%
Fund 01 and Fund 02 Combined								
Dept	Administration							
E01	Salaries & Benefits	\$ 317,692	\$ 315,730	\$ (1,962)	-1%	\$ 702,412	\$ 386,682	55%
E03	General & Admin - Services	\$ 129,312	\$ 178,001	\$ 48,690	38%	\$ 384,950	\$ 206,949	54%
E05	General & Admin - Supplies	\$ 1,822	\$ 11,405	\$ 9,583	526%	\$ 16,000	\$ 4,595	29%
E10	Source of Supply	\$ 291,021	\$ 86,975	\$ (204,046)	-70%	\$ 140,000	\$ 53,025	38%
E70	Other	\$ -	\$ -	\$ -		\$ 5,000	\$ 5,000	100%
	Dept 100 Sub Totals:	\$ 739,847	\$ 592,111	\$ (147,735)	-20%	\$ 1,248,362	\$ 656,251	53%
Dept	Finance/Customer Service							
E01	Salaries & Benefits	\$ 292,175	\$ 296,252	\$ 4,077	1%	\$ 590,976	\$ 294,724	50%
E03	General & Admin - Services	\$ 97,114	\$ 117,886	\$ 20,772	21%	\$ 207,557	\$ 89,671	43%
E05	General & Admin - Supplies	\$ -	\$ 1,955	\$ 1,955		\$ 4,000	\$ 2,045	51%
E35	Customer Accounts	\$ 105,080	\$ 143,795	\$ 38,715	37%	\$ 229,936	\$ 86,141	37%
E70	Other	\$ 1,021	\$ 921	\$ (99)	-10%	\$ 1,100	\$ 179	16%
E80	Debt Service - Interest	\$ 37,902	\$ 54,307	\$ 16,404	43%	\$ 174,732	\$ 120,425	69%
	Dept 200 Sub Totals:	\$ 533,292	\$ 615,116	\$ 81,824	15%	\$ 1,208,301	\$ 593,185	49%
Dept	Operations							
E01	Salaries & Benefits	\$ 780,808	\$ 771,477	\$ (9,331)	-1%	\$ 1,612,579	\$ 841,102	52%
E03	General & Admin - Services	\$ 53,030	\$ 97,884	\$ 44,854	85%	\$ 233,900	\$ 136,016	58%
E05	General & Admin - Supplies	\$ 13,807	\$ 18,653	\$ 4,846	35%	\$ 37,500	\$ 18,847	50%
E07	General Production	\$ 45,780	\$ 50,008	\$ 4,228	9%	\$ 114,100	\$ 64,092	56%
E10	Source of Supply	\$ 10,454	\$ 43,479	\$ 33,025	316%	\$ 120,000	\$ 76,521	64%
E15	Pumping	\$ 186,407	\$ 190,346	\$ 3,939	2%	\$ 526,500	\$ 336,154	64%
E20	Water Treatment	\$ 84,867	\$ 181,127	\$ 96,260	113%	\$ 518,100	\$ 336,973	65%
E25	Transmission & Distribution	\$ 65,370	\$ 31,689	\$ (33,681)	-52%	\$ 142,600	\$ 110,911	78%
E35	Conservation	\$ -	\$ 1,561	\$ 1,561		\$ -	\$ (1,561)	
E70	Other	\$ 77,257	\$ 22,428	\$ (54,829)	-71%	\$ -	\$ (22,428)	
	Dept 300 Sub Totals:	\$ 1,317,779	\$ 1,408,652	\$ 90,873	7%	\$ 3,305,279	\$ 1,896,627	57%
Dept	Engineering							
E01	Salaries & Benefits	\$ 50,572	\$ 53,680	\$ 3,108	6%	\$ 112,059	\$ 58,379	52%
E03	General & Admin - Services	\$ 25,976	\$ 5,970	\$ (20,007)	-77%	\$ 176,400	\$ 170,431	97%
E05	General & Admin - Supplies	\$ -	\$ -	\$ -		\$ 600	\$ 600	100%
	Dept 400 Sub Totals:	\$ 76,548	\$ 59,650	\$ (16,899)	-22%	\$ 289,059	\$ 229,409	79%
Dept	Board of Directors							
E01	Salaries & Benefits	\$ 57,877	\$ 40,684	\$ (17,193)	-30%	\$ 124,056	\$ 83,372	67%
E03	General & Admin - Services	\$ 170	\$ 3,868	\$ 3,698	2176%	\$ 15,000	\$ 11,132	74%
E05	General & Admin - Supplies	\$ -	\$ -	\$ -		\$ 800	\$ 800	100%
	Dept 900 Sub Totals:	\$ 58,047	\$ 44,553	\$ (13,494)	-23%	\$ 139,856	\$ 95,303	68%

Budget Status - Expense



Period: 07/01/21 - 12/31/21

FY Remain: 50%

		FY 2021 YTD Actual	FY 2022 YTD Actual	FY 2022 vs. FY 2021	YOY % change	FY 2022 Budget	FY 2022 Remaining Balance	%
Summary								
E01	Salaries & Benefits	\$ 1,499,124	\$ 1,477,824	\$ (21,301)	-1%	\$ 3,142,082	\$ 1,664,258	53%
E03	General & Admin - Services	\$ 305,602	\$ 403,609	\$ 98,008	32%	\$ 1,017,807	\$ 614,198	60%
E05	General & Admin - Supplies	\$ 15,629	\$ 32,013	\$ 16,384	105%	\$ 58,900	\$ 26,887	46%
E07	General Production	\$ 45,780	\$ 50,008	\$ 4,228	9%	\$ 114,100	\$ 64,092	56%
E10	Source of Supply	\$ 301,475	\$ 130,454	\$ (171,021)	-57%	\$ 260,000	\$ 129,546	50%
E15	Pumping	\$ 186,407	\$ 190,346	\$ 3,939	2%	\$ 526,500	\$ 336,154	64%
E20	Water Treatment	\$ 84,867	\$ 181,127	\$ 96,260	113%	\$ 518,100	\$ 336,973	65%
E25	Transmission & Distribution	\$ 65,370	\$ 31,689	\$ (33,681)	-52%	\$ 142,600	\$ 110,911	78%
E35	Customer Accounts	\$ 105,080	\$ 145,357	\$ 40,277	38%	\$ 231,036	\$ 86,319	37%
E70	Other	\$ 78,278	\$ 23,349	\$ (54,928)	-70%	\$ 6,100	\$ (22,428)	-368%
E80	Debt Service - Interest	\$ 37,902	\$ 54,307	\$ 16,404	43%	\$ 174,732	\$ 120,425	69%
	Purchase Order Carryover					\$ 14,000		
District Expense Total:		\$ 2,725,513	\$ 2,720,082	\$ (5,431)	0%	\$ 6,205,957	\$ 3,467,336	56%
Fund 01 and 02 Combined								
E01	Salaries & Benefits	\$ 1,499,124	\$ 1,477,824	\$ (21,301)	-1%	\$ 3,142,082	\$ 1,664,258	53%
E03-E80	Services & Supplies	\$ 1,226,389	\$ 1,242,259	\$ 15,870	1%	\$ 3,049,875	\$ 1,807,616	59%
	Purchase Order Carryover					\$ 20,000		
District Expense Total:		\$ 2,725,513	\$ 2,720,082	\$ (5,431)	0%	\$ 6,211,957	\$ 3,471,875	56%

Projects - Expense



Period: 07/01/21 - 12/31/21

FY Remain: 50%

		FY 2022 YTD Actual	FY 2022 Budget *	FY 2022 Remaining Balance	%
Fund 01 and Fund 02 Combined					
Project	Description				
C15007	Lompico Formation Production Well (Well 9)	\$ 4,360	\$ 45,000	\$ 40,640	90%
C16023	Orchard Run WTP Water Quality Improvements	\$ 335,553	\$ -	\$ (335,553)	
C16024	Bethany Tank Rehabilitation	\$ 731	\$ 94,509	\$ 93,778	99%
M17011	Meters with AMI	\$ 6,726	\$ 20,000	\$ 13,274	66%
C17011	AMI Technology for Meters	\$ 19,990	\$ 5,000	\$ (14,990)	-300%
C17018	Specialized Operations Vehicle	\$ -	\$ 87,566	\$ 87,566	100%
C18033	Polo Ranch Booster Station Rehab	\$ 15,109	\$ -	\$ (15,109)	
C19020	El Pueblo WTP Improvements	\$ -	\$ 100,000	\$ 100,000	100%
C19030	Hacienda Pump Station Improvements	\$ -	\$ 100,000	\$ 100,000	100%
C19070	Vehicle Replacement Program	\$ -	\$ 55,000	\$ 55,000	100%
C20010	Main Replacement Program - PW	\$ 2,420	\$ 606,944	\$ 604,524	100%
C20020	Treatment Facility for New Formation Well	\$ -	\$ 49,625	\$ 49,625	100%
C20040	Administrative Building Improvements	\$ -	\$ 15,290	\$ 15,290	100%
C22010	Well 3B Replacement	\$ 6,508	\$ 1,500,000	\$ 1,493,493	100%
Projects Expense Totals:		\$ 391,396	\$ 2,678,934	\$ 2,287,538	85%

Balance Sheet



Fund 01, Fund 02 and Fund 03 Combined

	12/31/20	12/31/21
Assets		
Cash	\$4,051,612	\$4,544,194
Accrued Interest	\$5,478	\$3,271
A/R Customer-Water	\$1,488,623	\$1,175,081
A/R - Other	\$205,257	\$96,202
Interfund Loan Receivable	\$888,040	\$888,040
Inventory	\$271,380	\$229,228
Prepaid Expense	\$155,303	\$132,337
Note Receivable	\$70,000	\$0
JPA Investment	\$387,112	\$387,112
Land & Right-of-ways	\$650,697	\$650,697
Construction-in-progress	\$1,253,565	\$1,073,327
Water Rights / Intangible Assets	\$5,267,833	\$5,267,833
Plant & Equipment	\$39,131,437	\$42,572,708
Depreciation/Amortization	(\$23,827,288)	(\$24,663,015)
Deferred Pension Outflows	\$694,399	\$1,691,330
Unfunded OPEB Liability	\$142,970	\$140,200
	\$30,836,417	\$34,188,544
Liabilities		
A/P & Accrued Expenses	\$5,629	\$140,154
Accrued Salaries & Wages	\$25,480	\$42,377
Accrued Interest Payable	\$0	\$0
Customer Deposits	\$45,210	\$259,210
Interfund Loans	\$888,040	\$888,040
LT Liabilities Due in 1 Yr	\$40,998	\$38,251
Unearned Revenue	\$63,680	\$54,498
Long-term Liabilities	\$8,773,238	\$10,730,176
Deferred Pension Inflows	\$215,460	\$116,480
	\$10,057,735	\$12,269,186
Fund Balance		
Investment in Capital Assets	\$17,684,486	\$17,684,486
Unrestricted Net Position	\$1,642,955	\$2,934,498
	\$19,327,441	\$20,618,984
Total Liabilities and Fund Balance:	\$29,385,176	\$32,888,169
Total Retained Earnings:	\$1,451,241	\$1,300,374
Total Fund Balance and Retained Earnings:	\$20,778,682	\$21,919,358
Total Liabilities, Fund Balance, and Retained Earnings:	\$30,836,417	\$34,188,544

Scotts Valley Water District
AP Check Register
December 2021

Vendor Name	Check Date	Check No.	Check Amount	Description
ACWA/JPIA	12/9/2021	30524	\$ 43,563.12	EE & Retiree Benefits - Dec 2021
AIRTEC SERVICE	12/9/2021	30525	\$ 605.00	HVAC Periodic Maint - 2 Civic Ctr
ANVIL BUILDERS	12/9/2021	30526	\$ 2,000.00	RW Bulk Meter Deposit Refund
BADGER METER	12/9/2021	30527	\$ 4,018.35	Cell Charge for PW Meter Reads - Nov 2021
BADGER METER	12/9/2021	30527	\$ 2,649.05	AMI Endpoints - Qty: 24
BADGER METER	12/9/2021	30527	\$ 64.08	Cell Charge for RW Meter Reads - Nov 2021
BATTERIES PLUS BULBS #314	12/9/2021	30528	\$ 244.63	Reclaim Tank Battery
BAYSIDE EQUIPMENT COMPANY	12/9/2021	30529	\$ 2,025.00	Generator Rental - Well 11b - Nov 2021
BAYSIDE EQUIPMENT COMPANY	12/9/2021	30529	\$ 1,500.00	Generator Rental - Bethany PS - Nov 2021
BAYSIDE EQUIPMENT COMPANY	12/9/2021	30529	\$ 858.00	Genrator Rental - Hacienda Booster - Nov 2021
BRENNTAG PACIFIC INC	12/9/2021	30530	\$ 8,029.01	Water Treatment Chemicals
CALIFORNIA MUNICIPAL STATISTICS INC	12/9/2021	30531	\$ 550.00	Statistical Data Required for Debt Service
CHASE	12/9/2021	30532	\$ 31,800.41	Debt Service Interest Payment - 2016 JP Morgan Chase Loan
CITY OF SCOTTS VALLEY	12/9/2021	30533	\$ 536.30	Bi-Monthly Treatment Disposal - Well 10
CITY OF SCOTTS VALLEY	12/9/2021	30533	\$ 7,841.37	Bi-Monthly Treatment Disposal - El Pueblo WTP
CITY OF SCOTTS VALLEY	12/9/2021	30533	\$ 101.34	Bi-Monthly Sewer Service - 2 Civic Ctr
CITY OF SCOTTS VALLEY	12/9/2021	30533	\$ 1,007.50	Bi-Monthly Treatment Disposal - ORWTP
COUNTY OF SANTA CRUZ	12/9/2021	30534	\$ 510.00	Landfill Waste - Nov 2021
DASSELS PETROLEUM	12/9/2021	30535	\$ 1,574.09	Vehicle Fuel - Nov 2021
DURDEN CONSTRUCTION INC	12/9/2021	30536	\$ 2,000.00	RW Bulk Meter Deposit Refund
E & S TRUCKING	12/9/2021	30537	\$ 3,570.00	Orchard Run Wastewater - Nov 2021
ECOLOGICAL CONCERNS	12/9/2021	30538	\$ 2,000.00	RW Bulk Meter Deposit Refund
EUROFINS EATON ANALYTICAL	12/9/2021	30539	\$ 990.00	Lab Testing for Water Quality
FASTENAL COMPANY	12/9/2021	30540	\$ 434.04	OPS Supplies - Bin Stock
GILLEN MELINDA	12/9/2021	30541	\$ 2,000.00	RW Bulk Meter Deposit Refund
GRAINGER	12/9/2021	30542	\$ 21.15	OPS Supplies - Waste Labels
GRAINGER	12/9/2021	30542	\$ 114.55	Relief Valve Repair Kit
GREEN WASTE RECOVERY INC	12/9/2021	30543	\$ 257.36	Monthly Trash Service - El Pueblo
HAIGHT ROBERT	12/9/2021	30544	\$ 598.02	Retiree Medical - Dec 2021
HARMON PIRET	12/9/2021	30545	\$ 178.00	T- ACWA 2021 Fall Conference - Per Diem - Harmon
HOLTZMAN DAVID	12/9/2021	30546	\$ 375.00	Customer Rebates - Toilets
HOSE SHOP	12/9/2021	30547	\$ 292.92	ORWTP - Post GAC Chlorination Parts
ICONIX WATERWORKS (US) INC	12/9/2021	30548	\$ 0.95	Main Maint - Stock
ICONIX WATERWORKS (US) INC	12/9/2021	30548	\$ 460.95	Main Maint - Pipe Clamps
JACKSON LANDSCAPE	12/9/2021	30549	\$ 390.00	Landscape Maintenance - Nov 2021
KASSIS JANETTE	12/9/2021	30550	\$ 333.80	Retiree Medical - Dec 2021
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 7,082.50	Orchard Run WTP Improvements - Const. Meetings (5.6)
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 993.75	Orchard Run WTP Improvements - Site Visits (5.5)
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 18,822.50	Orchard Run WTP Improvements - RFI Support (5.3)
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 14,213.75	Orchard Run WTP Improvements - Change Order Support (5.4)
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 2,876.25	Orchard Run WTP Improvements - Project Mgmt (5.9)
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 14,935.00	Orchard Run WTP Improvements - Submittal & Review (5.2)
KENNEDY/JENKS CONSULTANTS	12/9/2021	30551	\$ 13,231.23	Orchard Run WTP Improvements - Startup & Testing Support (5.7)
LEISHMAN WADE	12/9/2021	30552	\$ 175.00	Director Medical - Dec 2021
MILLER MAXFIELD INC	12/9/2021	30553	\$ 5,848.75	Communication & Public Outreach Services - Nov 2021
MISSION UNIFORM SERVICE	12/9/2021	30554	\$ 477.61	Uniform Laundering / Rental Svc - Nov 2021
MONRO INC	12/9/2021	30555	\$ 66.75	Smog Renewal - Truck #9
MONRO INC	12/9/2021	30555	\$ 66.75	Smog Renewal - Truck #12
MONRO INC	12/9/2021	30555	\$ 66.75	Smog Renewal - Truck #14
NATIONWIDE RETIREMENT SOLUTIONS	12/9/2021	30556	\$ 2,536.54	IRS 457 Plan - Payroll Date 12/3/2021
NIGRO & NIGRO	12/9/2021	30557	\$ 7,500.00	Audit Services for FY2022 Audit
NORTON PATRICIA	12/9/2021	30558	\$ 456.19	Retiree Medical - Dec 2021
NORTON PATRICIA	12/9/2021	30558	\$ 18.56	Retiree Vision - Dec 2021
NORTON PATRICIA	12/9/2021	30558	\$ 33.72	Retiree Dental - Dec 2021
PACIFIC GAS & ELECTRIC	12/9/2021	30559	\$ 11.27	Electricity - Santas Village Rd - Nov 2021
PACIFIC GAS & ELECTRIC	12/9/2021	30559	\$ 67.18	Electricity - Polo Ranch - Nov 2021
PACIFIC GAS & ELECTRIC	12/9/2021	30559	\$ 41.00	Electricity - Skypark - Nov 2021
PERRI CHRISTOPHER	12/9/2021	30560	\$ 850.36	Director Medical - Dec 2021
PETERSON POWER SYSTEMS INC	12/9/2021	30561	\$ 481.00	ORWTP - Generator Diagnosis
REBER DANIEL	12/9/2021	30562	\$ 1,369.71	Director Medical - Dec 2021
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 4.38	Topsoil for Box Back Fill
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 51.88	WTP Maint - Fittings Heater
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 267.73	Small Tools - Tarps Hose Driver Bits Nozzles
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 302.00	Meter Maintenance - Sump Pump Lumber Soil
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 44.36	Forklift Fuel
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 318.13	Polo Generator Pad Materials
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 47.41	Office Supplies - Kitchen Cleaning Supplies
SCARBOROUGH LUMBER & BUILDING SUPPLY	12/9/2021	30563	\$ 48.79	Pumps/Boosters Repairs - Drill Bits
SCOTTS VALLEY SPRINKLER	12/9/2021	30564	\$ 10.96	WTP Maintenance - Adapter
STEVENSON LANDSCAPING	12/9/2021	30565	\$ 650.00	Landscaping @ Misc Locations - Nov 2021
SYCAL ENGINEERING INC	12/9/2021	30566	\$ 1,020.00	Engineering Svc for SCADA - Oct 2021
SYCAL ENGINEERING INC	12/9/2021	30566	\$ 1,085.00	Engineering Svc for SCADA - Win 911 Upgrade - Nov 2021
UNITED RENTALS INC	12/9/2021	30567	\$ 1,573.25	Boom Rental - 25 Casa Way
UNITED SITE SERVICES	12/9/2021	30568	\$ 222.16	Portable Toilet Rental - RW Fill Station - Dec 2021
UNIVERSAL BUILDING SERVICES	12/9/2021	30569	\$ 403.00	Janitorial Service - El Pueblo - Nov 2021

Scotts Valley Water District
 AP Check Register
 December 2021

Vendor Name	Check Date	Check No.	Check Amount	Description
UNIVERSAL BUILDING SERVICES	12/9/2021	30569	\$ 497.00	Janitorial Service - 2 Civic Ctr - Nov 2021
VALERO FLEET	12/9/2021	30570	\$ 120.05	Vehicle Fuel - Nov 2021
4X4 AND MORE	12/21/2021	30571	\$ 1,125.15	Truck 21 - Oil Change Tires Alignment
AFLAC	12/21/2021	30572	\$ 222.72	EE Self-Funded Supplemental Benefits - Nov 2021
BADGER METER	12/21/2021	30573	\$ 2,045.49	Meter Purchases - Qty: 12
BAYSIDE EQUIPMENT COMPANY	12/21/2021	30574	\$ 1,550.00	Generator Rental - Bethany PS - Oct 2021
BAYSIDE EQUIPMENT COMPANY	12/21/2021	30574	\$ 2,025.00	Generator Rental - Well 11b - Oct 2021
BAYSIDE EQUIPMENT COMPANY	12/21/2021	30574	\$ 858.00	Generator Rental - Hacienda Booster - Oct 2021
BRENNTAG PACIFIC INC	12/21/2021	30575	\$ 3,247.48	Water Treatment Chemicals
CITY OF SCOTTS VALLEY	12/21/2021	30576	\$ 450.00	Bacti Samples - Nov 2021
CIVIL CONSULTANTS GROUP INC	12/21/2021	30577	\$ 520.00	PW Main Improvements Task 3: Reimb Expenses
CIVIL CONSULTANTS GROUP INC	12/21/2021	30577	\$ 500.00	PW Main Improvements Task 4: Bidding / CA Phase
CIVIL CONSULTANTS GROUP INC	12/21/2021	30577	\$ 515.00	General Engineering Services - Nov 2021
FIRST FOUNDATION BANK	12/21/2021	30578	\$ 22,506.36	Interest Exp July - Dec 2021
GRAINGER	12/21/2021	30579	\$ 272.81	Backup Fuses for PLCs and I/O
GRAINGER	12/21/2021	30579	\$ 277.60	Backup Filters - El Pueblo
HEALTHY EQUITY INC	12/21/2021	30580	\$ 44.25	HSA Admin Fees - Dec 2021
ICONIX WATERWORKS (US) INC	12/21/2021	30581	\$ 185.86	Valves
INFOSEND	12/21/2021	30582	\$ 204.50	UB Past Due Printing and Mailing - Nov 2021
INLAND POTABLE SERVICES INC	12/21/2021	30583	\$ 3,782.00	Clean/Inspect PW Tanks
KENNEDY/JENKS CONSULTANTS	12/21/2021	30584	\$ 2,558.40	2021 DWR Drought Grant Prep - Information Review Application
LAW OFFICE OF ROBERT E BOSSO	12/21/2021	30585	\$ 3,500.00	Legal Counsel Services - Nov 2021
LEISHMAN WADE	12/21/2021	30586	\$ 1,177.10	T - ACWA 2021 Fall Conference - Leishman - Out of Pocket Reimbursement
MCNAIR DAVID	12/21/2021	30587	\$ 71.90	Lunch for Main Break Work Crew
MONTGOMERY & ASSOCIATES INC	12/21/2021	30588	\$ 5,095.00	Well 3B Replacement - Technical Specs-Nov 2021
MONTGOMERY & ASSOCIATES INC	12/21/2021	30588	\$ (45.00)	Well 3B Replacement - Technical Specs - Oct 2021 Overpayment
MONTGOMERY & ASSOCIATES INC	12/21/2021	30588	\$ 1,505.00	On-Call Tech Support - Nov 2021
MONTGOMERY & ASSOCIATES INC	12/21/2021	30588	\$ 537.50	New Production Well Site Evaluation - Reporting - Nov 2021
MONTGOMERY & ASSOCIATES INC	12/21/2021	30588	\$ 237.50	New Production Well Site Evaluation - Site Eval - Nov 2021
NATIONWIDE RETIREMENT SOLUTIONS	12/21/2021	30589	\$ 2,536.54	IRS 457 Plan - Payroll Date 12/17/2021
PERRI CHRISTOPHER	12/21/2021	30590	\$ 1,311.36	T - ACWA 2021 Fall Conference - Perri - Out of Pocket Reimbursement
SAFETY-KLEEN SYSTEMS	12/21/2021	30591	\$ 2,495.45	Asbestos / Diesel Removal & New Containers
U.S. BANK EQUIPMENT FINANCE	12/21/2021	30592	\$ 400.94	Copier Lease - Dec 2021
UNITED SITE SERVICES	12/21/2021	30593	\$ 262.57	Portable Toilet Rental - ORWTP - Dec 2021
UNITED SITE SERVICES	12/21/2021	30593	\$ 261.82	Portable Toilet Rental - Well 10 - Dec 2021
UNITED SITE SERVICES	12/21/2021	30593	\$ 121.84	Bethany 2nd Tank Addition - Fence Rental - Dec 2021
WAYNE ARMSTRONG TRUCK SERVICES	12/21/2021	30594	\$ 581.87	Service for Back Hoe
			\$ 285,324.22	

Wire / ACH Payments
 December 2021

Vendor Name	Trans Date	Check No.	Trans Amount	Description
ADP	12/10/2021	n/a	\$ 199.65	ADP Workforce Now HR Fees - Nov 2021
ADP	12/10/2021	n/a	\$ 190.65	ADP Time & Attendance Fees - Nov 2021
ADP	12/10/2021	n/a	\$ 607.90	ADP PW44, PW46, PW48 Fees - Nov 2021
BlueFin	12/2/2021	n/a	\$ 11,375.27	Bluefin CC Processing Fees - Oct 2021
BlueFin	12/2/2021	n/a	\$ 84.03	Bluefin Civic PayPad Fees - Oct 2021
CalPERS	12/3/2021	n/a	\$ 12,340.14	CalPERS Retirement - PW48 Ended 11/29/2021
CalPERS	12/17/2021	n/a	\$ 12,340.14	CalPERS Retirement - PW50 Ended 12/13/2021
Wells Fargo CC	12/20/2021	n/a	\$ 7,814.53	WFB CC Payment - Dec 2021
			\$ 44,952.31	

Legend:

Abbreviation:	Meaning:
PW	Potable Water
RW	Recycled Water
WW	Waste Water
WTP	Water Treatment Plant
EE	Employee
ER	Employer
CO	Change Order
TO	Task Order
SA	Service Application
FY	Fiscal Year
OPS	Operations
Eng	Engineering
Adm	Administration
Fin	Finance
WUE	Water Use Efficiency
ENR	Engineering News Record
ACWA	Association of California Water Agencies
LID	Low Impact Development
UB	Utility Billing
AMI	Advanced Metering Infrastructure
PS	Pump Station

Scotts Valley Water District

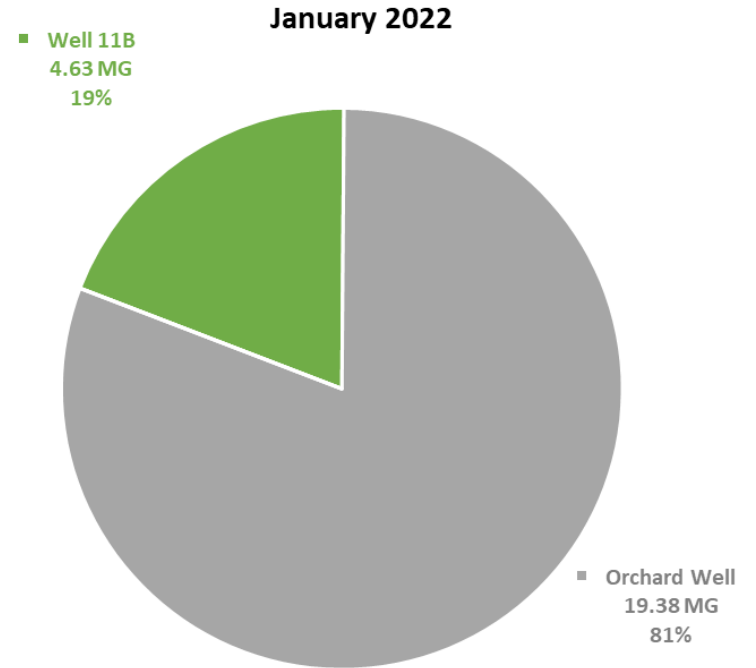
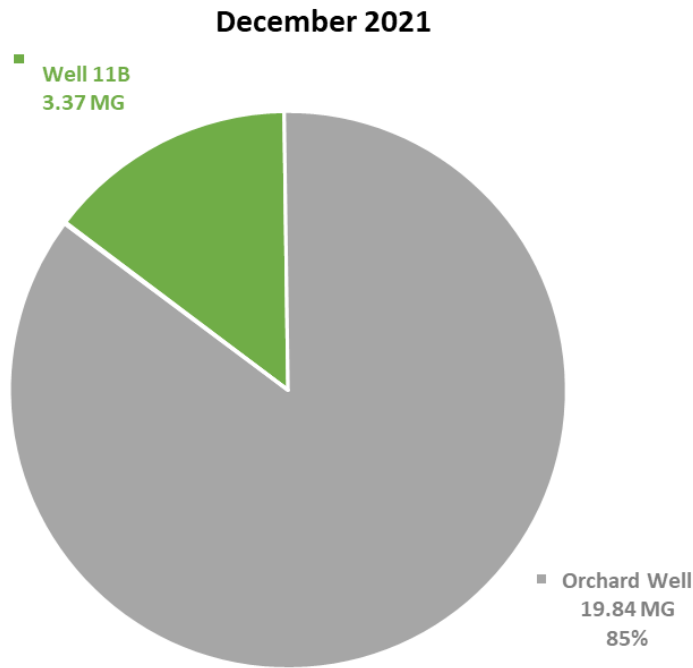
Investment Summary

As of 12/31/2021

Institution	Investment	CUSIP	Purchased	Maturity	Purchase \$	Rate		Balance as of:		Market Value
						9/30/2021	12/31/2021	9/30/2021	12/31/2021	12/31/2021
Unrestricted Funds:										
LAIF	Local Agency Investment Fund		various			0.24%	0.23%	\$ 2,023,550	\$ 3,524,782	\$ 3,515,756
WFB	Checking - General		various			0.03%	0.03%	\$ 17,197	\$ 15,177	\$ 15,177
WFB	Checking - Payroll		various			0.03%	0.03%	\$ 8,151	\$ 8,199	\$ 8,199
WFB	Checking - Revenue		various			0.00%	0.00%	\$ 3,039,730	\$ 1,004,662	\$ 1,004,662
Subtotal for Unrestricted Funds:								\$ 5,088,628	\$ 4,552,820	\$ 4,543,794
<i>Weighted Average Yield</i>							0.18%			

The current investments comply with the requirements of the Investment Policy (P200-14-1)
 Sufficient cash is available to meet expected expenditure requirements for the next six months.

Well Production

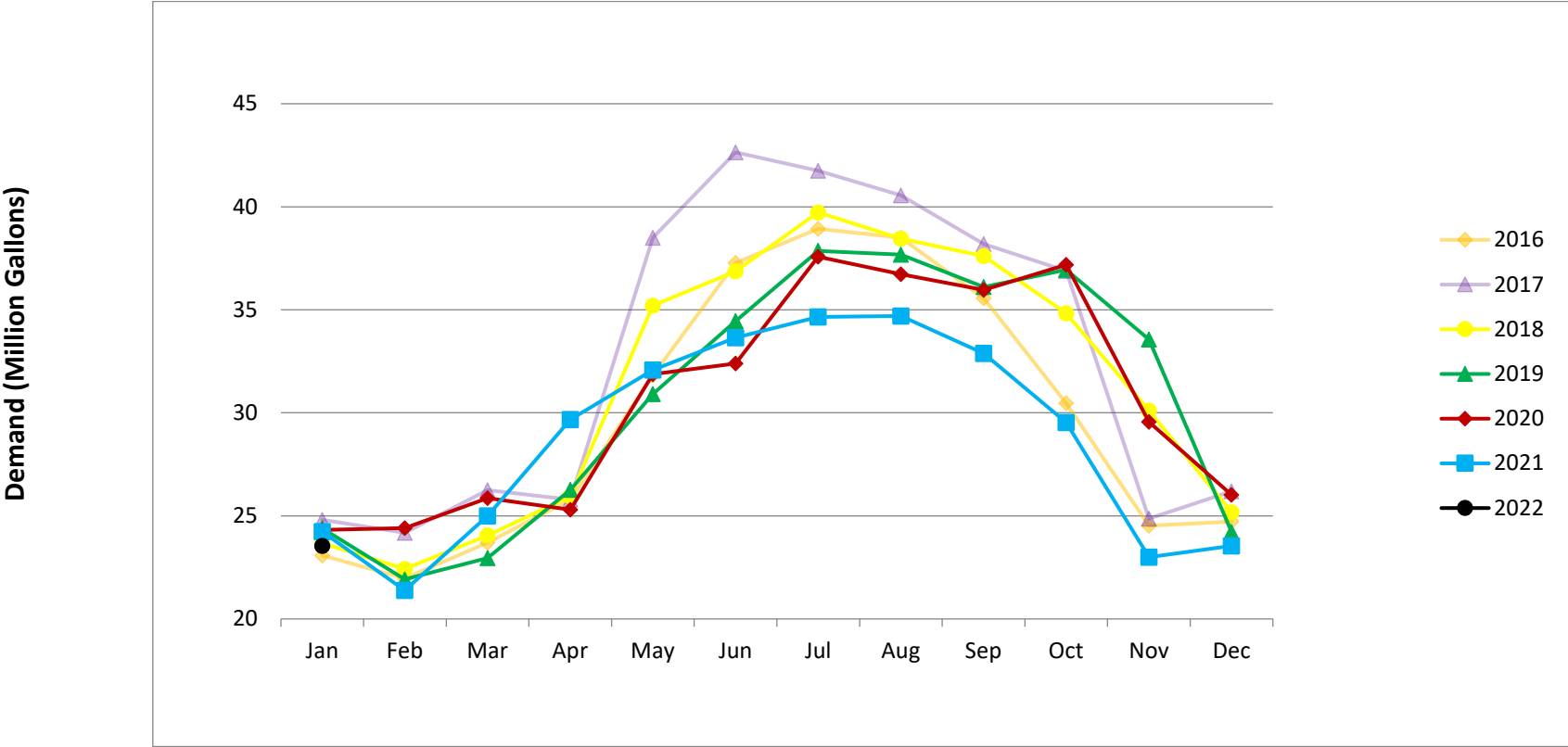


Total Production (Million Gallons)

December 2021	23.19 MG	0.15 % decrease from November
January 2022	24.01 MG	3.54 % increase from December

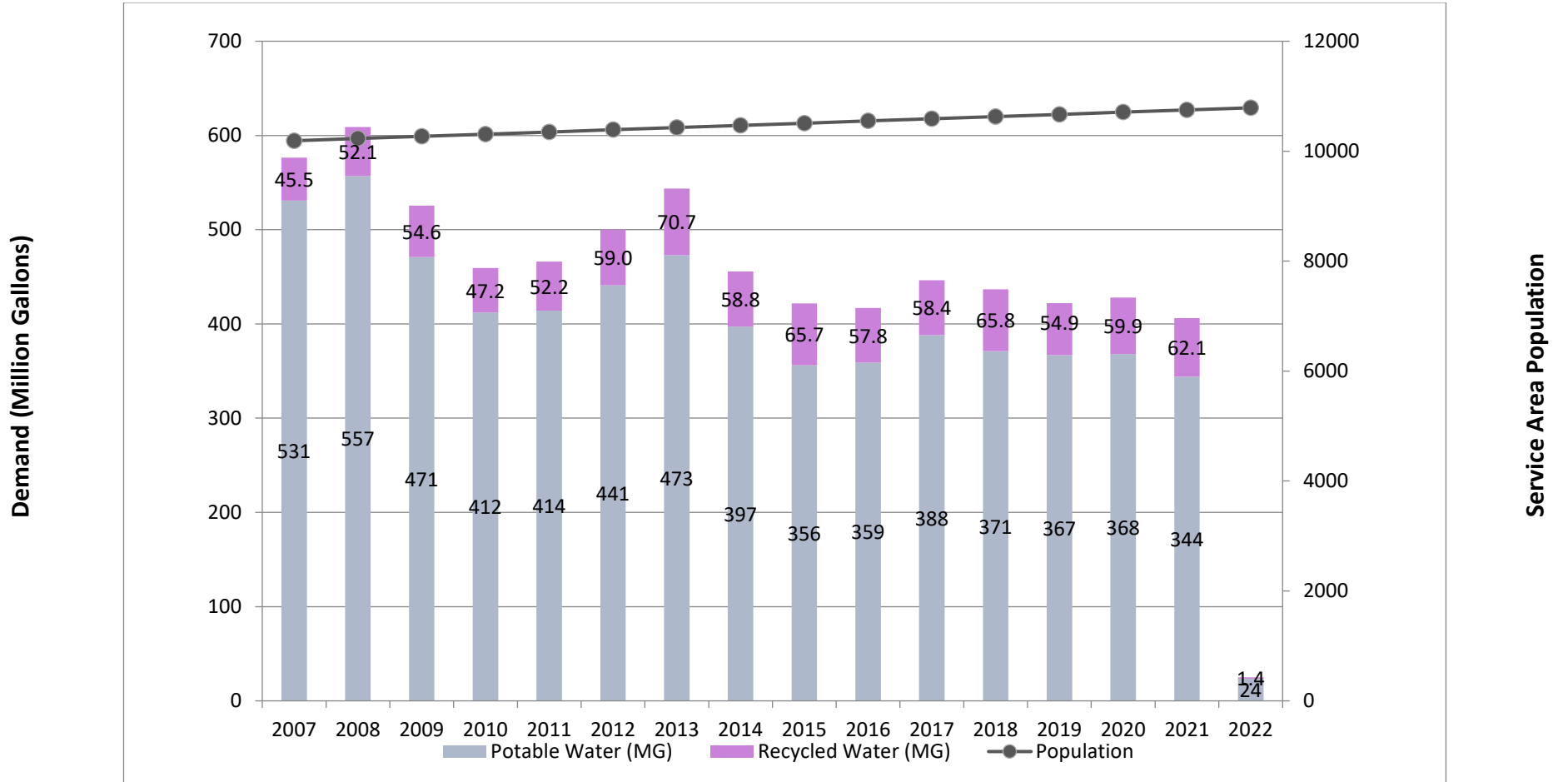
Production is Water Pumped +/- Water used for Well Maintenance Activities

Potable Water Demand



Demand is Production +/- Change in Storage

Potable and Recycled Water Demand vs. Population



Demand is Production +/- the Change in Storage

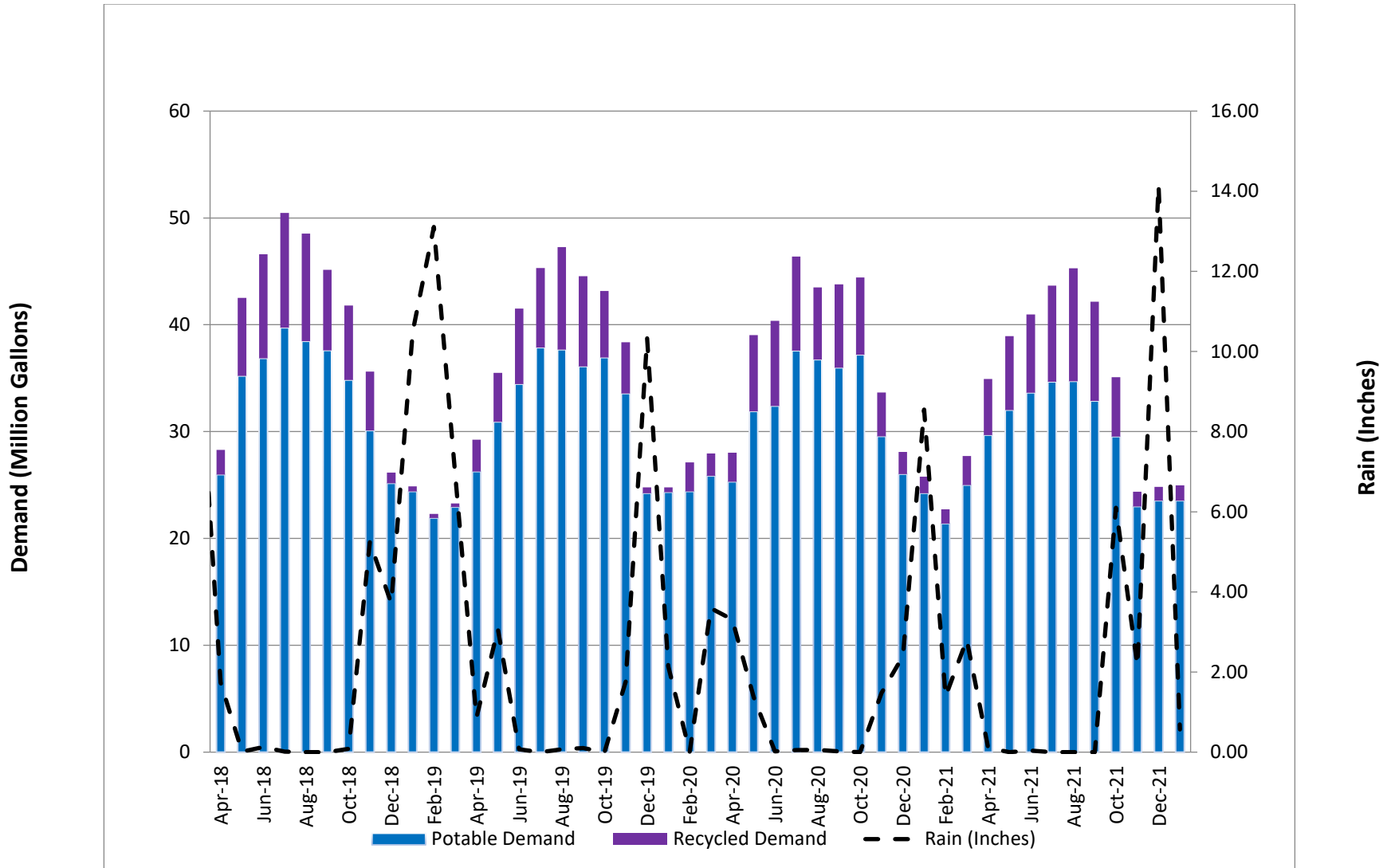
Potable and Recycled Water Demand

Potable												
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Average
Jan.	31,165,560	27,764,580	33,252,872	24,822,615	23,085,736	24,789,618	23,674,051	24,378,894	24,319,853	24,231,996	23,549,899	25,912,334
Feb.	26,813,840	26,124,132	24,779,862	23,217,640	21,968,896	23,490,314	22,427,754	21,923,206	24,323,667	21,387,258		23,645,657
March	29,752,014	31,559,240	27,946,154	30,953,420	23,910,892	25,837,232	24,042,754	22,954,225	25,855,924	24,995,557		26,780,741
April	29,234,622	35,621,370	28,875,831	29,909,260	28,400,861	25,477,561	25,992,670	26,027,391	25,297,107	29,671,141		28,450,781
May	43,581,989	49,525,756	38,675,936	30,478,823	31,995,591	38,043,826	33,751,004	30,912,986	31,885,131	32,077,872		36,092,891
June	46,553,850	47,432,970	39,525,236	32,726,825	36,842,416	42,310,983	36,786,677	34,451,155	32,393,746	33,647,606		38,267,146
July	48,634,940	49,192,762	41,957,386	34,544,613	38,892,200	41,757,891	39,648,922	37,857,926	38,411,455	34,662,207		40,556,030
Aug.	48,939,190	50,820,800	41,020,790	35,765,167	38,541,952	39,982,246	38,720,060	37,666,598	36,637,898	34,701,240		40,279,594
Sept.	42,936,210	45,489,360	36,533,116	33,498,030	35,653,167	38,190,535	35,202,216	36,106,611	35,968,389	32,885,092		37,246,273
Oct.	37,982,466	42,248,672	34,840,142	32,589,534	30,517,556	36,888,905	34,746,760	36,940,853	37,193,525	29,533,005		35,348,142
Nov.	28,714,236	34,868,300	25,524,197	24,110,286	24,388,656	24,864,436	30,389,575	33,566,905	29,565,349	23,000,320		27,899,226
Dec.	26,428,050	32,013,140	24,261,522	23,866,862	24,379,124	26,194,926	25,160,789	24,225,007	26,013,773	23,538,533		25,608,173
Total	440,736,967	472,661,082	397,193,044	356,483,075	358,577,047	387,828,472	370,543,233	367,011,756	367,865,818	344,331,827	23,549,899	386,323,232

Recycled												
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Average
Jan.	2,139,000	620,000	3,019,613	635,420	862,984	156,267	838,172	493,100	450,147	1,560,234	1,416,939	1,108,352
Feb.	2,352,000	2,268,000	1,248,862	1,545,957	1,813,868	94,521	2,589,717	366,055	2,714,767	1,331,033		1,632,478
March	1,054,000	2,723,665	1,579,882	4,231,231	972,360	544,666	1,141,831	322,464	2,109,739	2,709,295		1,738,913
April	1,470,000	5,436,705	4,163,175	4,720,887	4,381,911	713,802	2,333,176	2,969,672	2,737,245	5,249,782		3,417,635
May	7,843,000	9,248,455	8,409,175	6,686,359	6,909,436	7,908,386	7,306,666	4,584,239	7,142,605	6,914,742		7,295,306
June	9,420,000	9,801,903	9,135,056	7,488,534	9,639,221	8,940,094	9,739,276	7,067,867	7,971,453	7,319,935		8,652,334
July	9,610,000	9,394,766	9,911,697	9,935,422	10,841,389	10,981,309	10,744,706	9,461,005	8,810,329	8,995,659		9,868,628
Aug.	10,199,000	9,875,446	8,542,111	10,471,389	8,767,020	9,618,897	10,078,073	9,594,307	6,760,659	10,595,314		9,450,222
Sept.	7,680,000	8,288,391	6,176,224	9,092,727	8,287,511	7,957,562	7,522,571	8,451,961	7,814,358	9,281,685		8,055,299
Oct.	4,960,000	6,537,840	5,282,253	7,233,408	3,956,097	7,557,695	6,967,548	6,228,883	7,236,784	5,554,683		6,151,519
Nov.	1,920,000	4,029,769	1,131,988	2,817,778	1,053,779	2,234,592	5,514,338	4,805,871	4,087,453	1,364,789		2,896,036
Dec.	341,000	2,453,395	236,228	1,119,017	529,158	1,670,966	994,336	544,650	2,075,116	1,282,474		1,124,634
Total	58,988,000	70,678,335	58,836,264	65,978,129	58,014,734	58,378,757	65,770,410	54,890,074	59,910,655	62,159,624	1,416,939	61,360,498

Demand is Production +/- the Change in Storage

Potable and Recycled Water Demand vs. Rainfall



Demand is Production +/- the Change in Storage

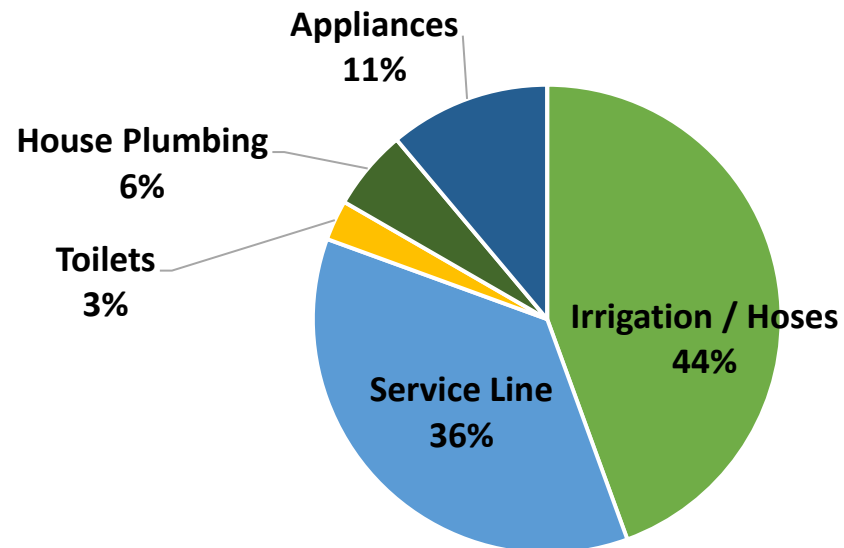
Rainfall
El Pueblo Weather Station

WATER YEAR		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	TOTAL	% of Avg.
High Year	1981-82	0.14	11.20	5.90	28.80	6.88	8.26	8.40	0.03	0.00	0.00	0.04	1.28	70.93	173%
	1982-83	5.35	10.50	7.74	13.90	18.00	19.90	7.80	0.98	0.00	0.00	0.17	1.91	86.25	210%
	1983-84	1.70	12.70	12.90	0.54	2.49	2.62	1.13	0.02	0.18	0.01	0.00	0.25	34.54	84%
	1984-85	2.80	13.80	2.95	1.72	4.20	7.92	0.73	0.11	0.15	0.09	0.02	0.54	35.03	85%
	1985-86	1.12	7.14	2.62	7.38	22.40	15.00	0.48	0.83	0.00	0.00	0.00	1.30	58.27	142%
	1986-87	0.03	0.05	2.47	4.51	9.06	6.31	0.70	0.00	0.02	0.00	0.00	0.00	23.15	56%
	1987-88	1.19	2.30	10.70	4.58	0.68	0.00	3.13	1.07	0.16	0.00	0.00	0.00	23.81	58%
	1988-89	0.19	5.90	8.89	2.06	1.39	10.60	0.67	0.08	0.03	0.00	0.03	0.83	30.67	75%
	1989-90	3.53	1.58	0.01	3.42	3.69	2.13	0.16	5.79	0.00	0.00	0.12	0.15	20.58	50%
	1990-91	0.50	0.24	1.65	0.61	5.39	17.19	0.51	0.06	0.40	0.00	0.02	0.07	26.64	65%
	1991-92	2.37	1.46	5.42	3.03	15.30	4.65	0.45	0.00	0.82	0.00	0.05	0.00	33.55	82%
	1992-93	3.41	0.20	11.54	18.51	10.22	3.17	1.37	0.96	0.68	0.00	0.00	0.00	50.06	122%
	1993-94	0.73	2.74	5.52	3.51	9.72	0.68	2.75	2.10	0.01	0.00	0.00	0.05	27.81	68%
	1994-95	1.79	8.29	4.78	23.88	0.65	13.62	3.79	0.89	1.04	0.01	0.00	0.00	58.74	143%
	1995-96	0.00	0.32	10.03	13.52	11.35	5.14	2.38	4.31	0.03	0.00	0.00	0.00	47.08	115%
	1996-97	2.89	6.95	22.43	12.33	0.17	1.50	0.58	0.16	0.12	0.00	0.54	0.00	47.67	116%
	1997-98	0.68	10.12	4.06	14.21	21.81	6.17	2.85	3.65	0.01	0.00	0.01	0.17	63.74	155%
	1998-99	1.02	9.11	1.85	9.25	11.08	5.22	2.58	0.03	0.36	0.00	0.02	0.14	40.66	99%
	1999-00	0.35	5.69	0.53	18.02	17.57	2.77	2.69	1.01	0.18	0.00	0.20	0.40	49.41	120%
	2000-01	5.14	1.38	0.94	8.68	10.65	4.05	2.67	0.00	0.07	0.00	0.00	0.16	33.74	82%
	2001-02	1.13	9.93	16.45	4.97	2.69	4.66	0.52	0.90	0.00	0.00	0.05	0.00	41.30	101%
	2002-03	0.00	5.80	21.40	2.77	2.95	2.54	5.75	1.09	0.16	0.00	0.00	0.00	42.46	104%
	2003-04	0.19	3.93	17.55	4.44	9.69	1.19	0.65	0.07	0.00	0.06	0.00	0.11	37.88	92%
	2004-05	7.24	3.25	14.39	8.30	7.20	10.01	3.79	2.13	0.94	0.02	0.00	0.08	57.35	140%
	2005-06	0.19	2.84	21.73	6.55	5.26	15.29	10.44	1.01	0.01	0.00	0.01	0.00	63.33	154%
	2006-07	0.25	3.30	5.67	0.89	9.24	0.30	2.17	0.46	0.00	0.10	0.01	0.33	22.72	55%
	2007-08	1.93	0.52	5.50	17.59	6.96	0.36	0.35	0.00	0.00	0.01	0.00	0.04	33.26	81%
	2008-09	1.59	4.80	4.38	1.80	15.28	3.47	0.52	1.42	0.01	0.00	0.00	0.26	33.53	82%
	2009-10	9.70	0.33	5.21	11.37	8.66	4.35	5.41	1.17	0.00	0.01	0.07	0.00	46.28	113%
	2010-11	3.92	5.13	15.36	1.97	10.59	13.40	0.75	3.42	3.40	0.00	0.04	0.02	58.00	141%
	2011-12	2.93	3.41	0.15	6.80	2.75	11.97	4.09	0.02	0.20	0.02	0.00	0.02	32.36	79%
	2012-13	1.61	11.32	13.25	1.31	0.47	2.66	0.43	0.01	0.11	0.00	0.00	0.70	31.87	78%
	2013-14	0.01	0.87	0.78	0.05	11.52	4.02	2.02	0.01	0.02	0.09	0.01	0.92	20.32	50%
	2014-15	0.44	4.36	16.52	0.00	4.69	0.47	2.13	0.19	0.04	0.00	0.03	0.02	28.89	70%
	2015-16	0.07	2.54	6.67	16.20	1.16	14.26	1.18	0.35	0.00	0.00	0.00	0.22	42.65	104%
	2016-17	8.66	3.29	10.77	26.13	19.56	7.09	4.47	0.06	0.07	0.00	0.00	0.04	80.14	195%
	2017-18	0.10	4.02	0.08	6.43	0.56	10.07	2.85	0.01	0.13	0.01	0.00	0.00	24.26	59%
	2018-19	0.08	5.24	3.72	10.49	13.11	6.91	0.86	3.07	0.07	0.00	0.07	0.10	43.72	107%
	2019-20	0.00	1.76	8.57	2.14	0.01	3.59	3.31	1.37	0.02	0.05	0.06	0.02	20.90	51%
Low Year	2020-21	0.00	1.48	2.40	8.55	1.39	2.81	0.11	0.00	0.04	0.00	0.00	0.00	16.78	41%
	2021-22	6.10	2.15	14.15	0.57	-	-	-	-	-	-	-	-	22.97	56%
Cumulative 2021-2022		6.10	8.25	22.40	22.97	-	-	-	-	-	-	-	-		
Monthly Average 1981-2022		1.98	4.68	7.99	8.09	7.91	6.41	2.44	0.97	0.24	0.01	0.04	0.25	41.01	
Cumulative Ave 1981-2022		1.98	6.66	14.65	22.74	30.65	37.06	39.50	40.47	40.71	40.72	40.76	41.01	41.01	

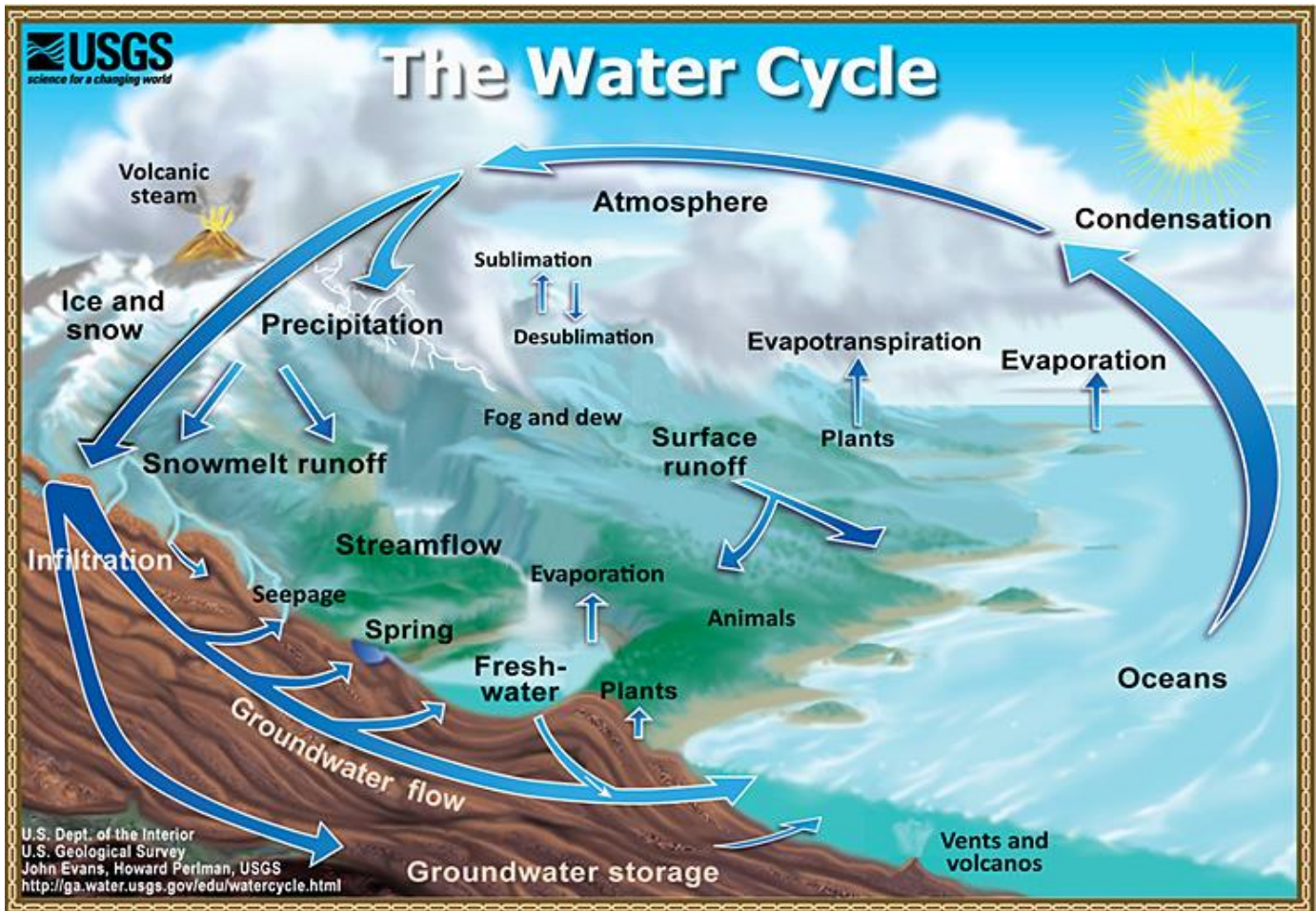
Leak Adjustment Program Report FY 2022

	RES Requests	CII Requests	Approved	Denied	Appeals	Reason Denied	Total Adjust Credit	Total Excess Use (gallons)
JUL	4	1	5	0	0		\$1,903	115,447
AUG	2	0	1	1	1	< 5 Yrs	\$147	17,363
SEPT	9	1	10	0	0		\$5,156	313,396
OCT	3	0	3	0	0		\$1,256	72,336
NOV	9	0	9	0	0		\$4,876	200,025
DEC	7	0	6	1	1	< 5 Yrs	\$3,067	191,909
JAN								
FEB								
MAR								
APR								
MAY								
JUN								
FY 2022 YTD	34	2	34	2	2		\$16,405	910,476
FY 2021	74	2	68	8	0		\$22,114	1,657,211
FY 2020	76	8	72	9	2		\$30,152	2,148,509

Sources of Leaks



Santa Cruz County Water Resources Management Status Report for 2021



Prepared by County of Santa Cruz
Environmental Health



Executive Summary

Santa Cruz County's water resources serve a critical role in protecting public health, preserving fragile watersheds, providing resilient habitats, and supporting recreational and commercial activities. County staff, local agencies, organizations, and the community continue to work together toward long term adaptive solutions to sustain environmental quality and provision safe and reliable water resources to meet current and future water resource needs. This status report reflects emphasis on linkages between water resources activities and they hydrologic cycle. The report encompasses activities that took place during calendar year 2021, and reflects water use and rainfall from the 2021 water year which began October 1, 2020 and ended September 30, 2021.

Water Resource Management activities during 2021 were influenced by:

- Drought conditions: water year 2021 was the second consecutive dry year.¹ While rainfall patterns varied throughout the County, there was only one major storm, leaving rainfall totals countywide at roughly half of average.
- Recovery from the aftermath of the CZU Lightning Complex Fire: Ongoing efforts to rebuild damaged water systems and monitor impacts to surface water quality have been conducted by several agencies.
- Groundwater management compliance: All three Groundwater Sustainability Agencies in the County met important milestones.

Key accomplishment include:

- Improved watershed health and restoration due to collaboration among local governments, organizations, agencies, and community stakeholders.
- Infrastructure and watershed enhancements in the aftermath of the CZU Lightning Complex Fire including more resilient pipelines and tanks, the use of stream wood to enhance habitats for endangered and threatened species.
- Laying the foundation for development of comprehensive drought response actions and implementing emergency preparedness as an integral part of water resources management.
- Improvements in water-use efficiency. Municipal water demand has decreased by 4.5% annually and remains significantly below the level it was in 2013.
- Increased capacity in identifying and mitigating water quality impairments through strategic enhancements to the County water quality capabilities.
- Progress in groundwater management through the acceptance of the Groundwater Sustainability Plan (GSP) for the Santa Cruz Mid-County Basin by the Department of Water Resources, the adoption of the GSP for the Santa Margarita Groundwater Agency by its Board of Directors, and the adoption of the 5-year update to the Basin Management Plan by the Board of Directors of the Pajaro Valley Water Management Agency.
- Building water supply resilience through project advancement including implementing the first phase of Soquel Creek Water District's Pure Water Soquel project and successful pilot testing of the City of Santa Cruz Aquifer Storage and Recovery project.

¹ Data from CIMIS (California Irrigation Management Information System): <https://cimis.water.ca.gov/>

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Introduction

Santa Cruz County's water resources serve a critical role in protecting public health, preserving fragile watersheds, providing resilient habitats, and supporting recreational and commercial activities. Responding to drought, wildfires, a changing climate, and other uncertainties requires integrated and holistic approaches to building resilience and fostering sustainability. The majority of Santa Cruz's water supply is locally derived – a unique situation in a state supported by large federal and state water projects. Domestic supply within the region is provided by five large public agencies, four medium water systems, 115 small water systems, and some 8,000 individual wells. Wastewater treatment includes centralized water reclamation facilities that collect and process water from sewered areas within the County along with decentralized on-site systems that serve more rural areas. Some of the challenges confronting our vulnerable water resources include inadequate water supply particularly during droughts, impaired water quality, overdrafted groundwater basins, depleted streams, and degraded riparian habitat. County staff, local agencies, organizations, and the community continue to work together toward long term adaptive solutions to sustain environmental quality and provision safe and reliable water resources to meet current and future water resource needs. This status report is focused on the 2021 water year which began October 1, 2020 and ended September 30, 2021.

Rainfall is critical to sustaining the County's surface and groundwater resources. Water year 2021 was the second consecutive dry year.² While rainfall patterns vary throughout the County, there was only one major storm, leaving rainfall totals countywide at roughly half of average. The US Drought Monitor³ identified the entire county as experiencing Extreme Drought. On July 8, 2021, Governor Newsom declared a state of emergency due to drought conditions in Santa Cruz County. The County Board of Supervisors adopted a resolution acknowledging the state of drought emergency in September 2021.

The drought led to reduced steamflows along with dry stream reaches, extremely dry vegetation, and increased fire risk. For example, water year 2021 San Lorenzo River flows are shown in Figure 2 in comparison to a 68 year median (1953-2021). The cumulative runoff, or total amount of flow in the San Lorenzo River, was less than 20% of average. In response to the drought, the water agencies in the County, and the County Board of Supervisors, requested water use reductions from their residents.

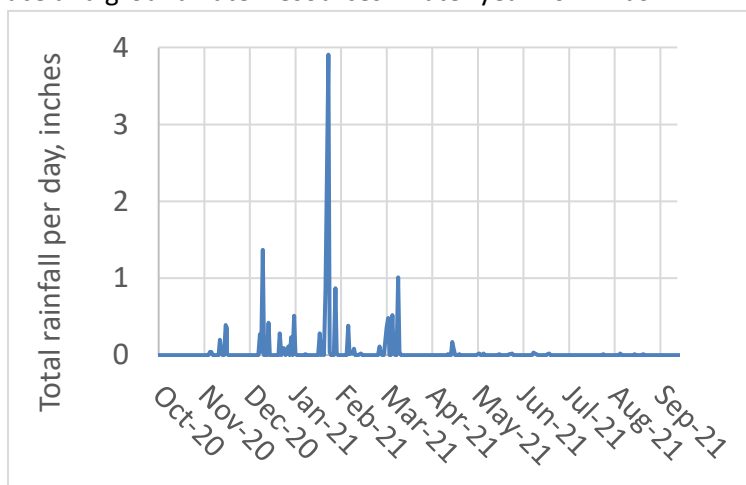


Figure 1. Daily rainfall in Santa Cruz (reported by CIMIS) during water year 2021

² Data from CIMIS (California Irrigation Management Information System): <https://cimis.water.ca.gov/>

³ <https://droughtmonitor.unl.edu/>

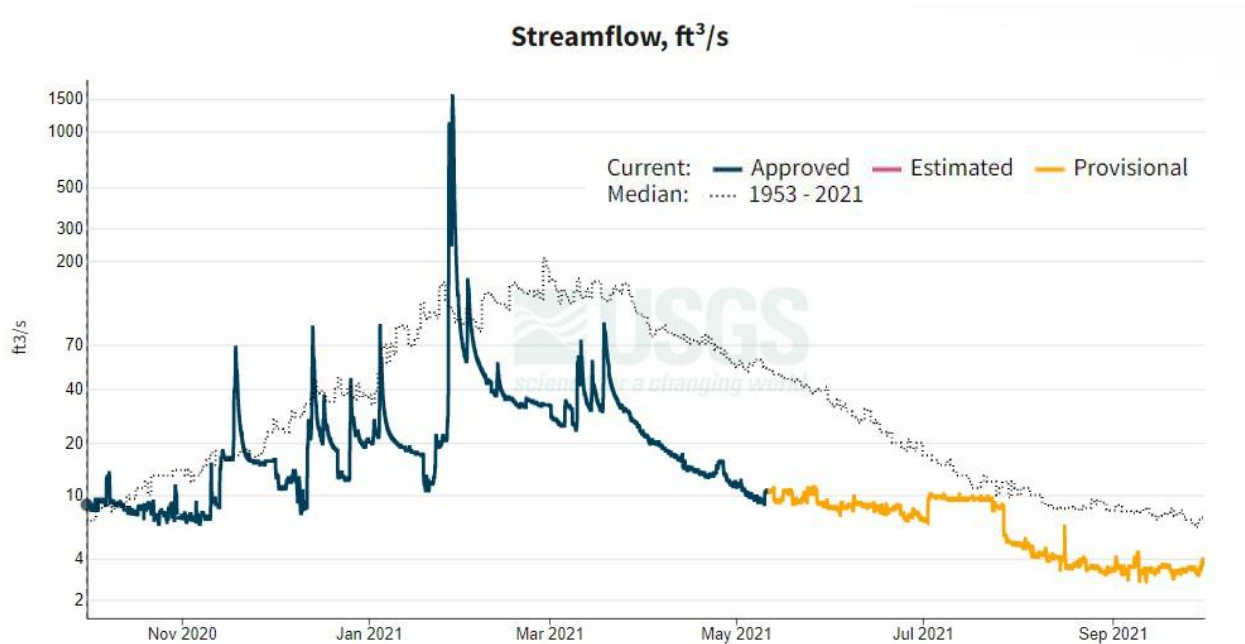


Figure 2. Water year 2021 Streamflow for the San Lorenzo River at the Big Trees gaging station ⁴in comparison to median values.

The dry winter did bring with it a silver lining. The CZU Lightning Complex Fire that burned from August 16, 2020-September 22, 2020 impacted watersheds in the North County, several communities (Boulder Creek, Bonny Doon, Swanton, and Empire Grade), State and local parks, and nearly 20% of the San Lorenzo River watershed⁵. If there had been significant rainfall in the aftermath of the wildfires, the runoff could have triggered serious debris flows downslope of the burn scars. Potential consequences of debris flows include risks to homes, infrastructure, watersheds, and critical habitats. Water quality could also be compromised, depending on the proximity to the burn area, the extent of damage, stream flows, and the effectiveness of local mitigation efforts. Changes to surface water quality are somewhat site-specific. During and immediately after the fires there could be localized releases of pollutants and contaminants due to smoke deposition, potentially toxic debris, stream blockage due to downed trees and vegetation, and consequences of road-related runoff to support evacuations, fire suppression equipment, and other short-term actions. Drinking water quality can also be impaired, particularly if there is infrastructure damage. Longer term impacts remain unknown and could include releases from compromised on-site wastewater treatment systems, debris flow, and increased erosion, and changes in the quantity and quality of sediment associated with stormwater runoff.

The County and its partner agencies continue to conduct a range of efforts for water resource management to address resource challenges. This status report is organized into the thematic areas shown in Figure 3.

⁴ <https://waterdata.usgs.gov/monitoring-location/11160500/#parameterCode=00065&period=P7D>

⁵ <https://www.cityofsantacruz.com/government/city-departments/water/water-quality/czu-fire-water-quality>

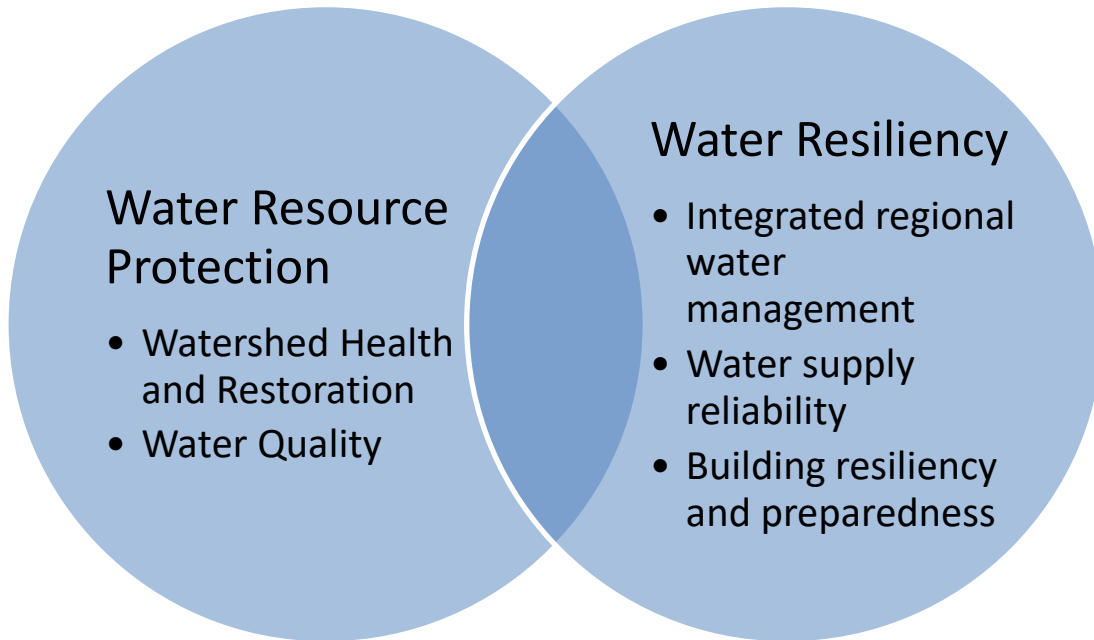


Figure 3. Focus areas of water resources programs during water year 2021.

Water Resource Protection

Santa Cruz County and partner organizations have a longstanding commitment to protect water resources and improve watershed health to support beneficial uses. Surface water resources include freshwater streams, lakes, creeks, and lagoons along with coastal estuarine and marine habitats. Groundwater resources serve as a source for drinking water, irrigation water, and contribute to instream flows. Groundwater is replenished from rainfall and can also be augmented by recharge from engineered systems that promote infiltration of stormwater, treated wastewater, or surplus freshwater into the subsurface. In dry years, there can be an imbalance between the amount of groundwater withdrawn and the available recharge, resulting in overdrafts and localized subsidence. In coastal areas, groundwater is also vulnerable to intrusion of saltwater from the ocean⁶ which impairs water quality and can affect ecosystems and end-users of the groundwater. The County's watersheds provide critical habitat for several species that are classified as threatened or endangered, including Coho salmon.⁷ Some water resource programs are mandated under state or federal regulatory requirements, while other programs are supported by grants or local initiatives.

⁶ https://www.usgs.gov/mission-areas/water-resources/science/saltwater-intrusion?qt-science_center_objects=0#qt-science_center_objects

⁷ <https://www.fisheries.noaa.gov/species/coho-salmon-protected>

Watershed Health and Restoration

During water year 2021, watershed health and restoration activities were focused on recovery efforts in the aftermath of the CZU Lightning Complex Fire. In addition, progress was made on fisheries and stream wood, restoration of critical habitats, and conservation planning.



View from Ben Lomond Mountain into the Boulder Creek basin following the 2020 CZU Lightning Complex Fire.

CZU Lightning Complex Fire Recovery

The County provided funding to the Resource Conservation District (RCD) to work directly with property owners to provide outreach and technical assistance on repairing and preventing storm related damage. The RCD visited properties at landowners' request and addressed concerns related to home drainage/erosion, roads, landslides, and streambank failures, permit assistance, fire preparedness, livestock management, invasive species control and habitat enhancement.

The County Water Resources Program and the Resource Conservation District (RCD)⁸ continue to offer site assessments and technical assistance to landowners within the burn area impacted by the CZU Lightning Complex Fire, assisting with long term recovery. The RCD facilitated the exchange of woodchips from the fires to farms. The woodchips were used to replenish chips in a managed aquifer recharge basin, provide mulch and ground cover, and reduce erosion.

Approximately 1600 acres along the Ben Lomond Mountain, a key water supply watershed, were burned. SLVWD staff, the County, and Cal Fire are continuing to work on erosion control, restoration, and hazard tree removal. The SLVWD also received 500 redwood seedlings to be planted in high burn severity areas throughout the watershed.

⁸ <http://www.rcdsantacruz.org/post-fire>

Fisheries

Since 2015, the City of Santa Cruz has increased the quantity of flow released for fish in Laguna, Majors, and Liddell Creeks, and the lower San Lorenzo River as a part of an interim agreement with the fishery agencies. The City continues to work on its Endangered Species Act compliance and is currently working on a final draft Habitat Conservation Plan (HCP) for anadromous salmonids that should be submitted for approval by NMFS and DFW in late 2021/early 2022. The City also completed the Operations and Maintenance Habitat Conservation Plan with the US Fish and Wildlife Service (USFWS) and began implementation of that plan.

The City of Santa Cruz and SLVWD continued efforts to monitor streamflow and habitat conditions in their drinking water watersheds in an effort to establish objectives for habitat improvement. In addition, permitting for the Fall Creek Fish Ladder project was secured by SLVWD in 2021 and construction is slated to begin in June 2022. The SLVWD filed a petition for instream flow dedication pursuant to Water Code section 1707 with the State Water Resources Control Board for its Lompico Creek, License 2733 (Application 4667) water right. Allowing the water to be dedicated to instream uses such as fish & wildlife.

Coho salmon are listed as endangered under state and federal Endangered Species Act (ESA) and are critically endangered in Santa Cruz County. Small populations of coho salmon persist in North Coast streams with the support of a conservation hatchery. Most of their current range was impacted by the CZU Fire, which is expected to create both positive and negative habitat impacts. The Kingfisher Flat Conservation Hatchery was severely damaged and will need bridge and structure repairs in order to continue operation. During 2021, the non-profit group Monterey Bay Salmon and Trout Project, California Department of Fish and Wildlife and NOAA Fisheries, made extraordinary efforts to continue the spawning and rearing of coho salmon in alternative locations.



This coho salmon smolt will be released into the Scotts Creek Watershed to support conservation efforts to rebuild regional populations.

Steelhead are listed as threatened under the Federal ESA and continue to persist in most county streams at low to moderate population numbers. Local organizations are collaborating on monitoring 41 sites for juvenile steelhead densities and stream habitat in four watersheds: San Lorenzo, Soquel, Aptos and Pajaro. Drought conditions continue to impact steelhead densities and access into the upper watershed sites. Current recovery actions focus on improving dry season streamflow and habitat complexity. County Water Resource Program staff completed a map update that shows current or recent coho and steelhead⁹.

⁹ <https://sccgis.maps.arcgis.com/apps/View/index.html?appid=20f0bdf8d6f44a8691a6882154b9a4d0>

The RCD continued to work with landowners and agency partners to plan and permit habitat improvement projects through the Integrated Watershed Restoration Program (IWRP). Projects implemented in 2020-21 included: removal of 3 fish passage barriers on Branciforte Creek, removal of the lower Mill Creek Dam, creating a salamander breeding pond in south county, and creating a red legged frog breeding pond on the UCSC marine campus.

Stream Wood Program

Fisheries are also supported by the Stream Wood Program which serves to maintain large wood in streams for habitat value while allowing modification to manage flood risk and infrastructure protection. Significant benefits of stream wood include pool formation and cover habitat, sediment retention and sediment sorting. Key elements of the program include responding to public requests, evaluating fallen trees and wood accumulations, and determining the efficacy of leaving the stream wood in place. During water year 2021, about thirteen new inputs of large wood were documented and outreach to property owners was conducted to address concerns. The RCD also initiated planning for large wood installation projects on Soquel and Aptos Creeks.



Water Resources staff coordinate the evaluation and monitoring of large wood in streams for habitat benefits balanced with property protection.

Restoration of Critical Habitats

County staff continue to participate in a multi-agency effort to restore natural lagoon and marsh dynamics at Scott Creek while constructing a new Highway 1 bridge at this location. The RCD is leading the project with a Technical Advisory Committee that includes regulatory and natural resource agencies.

Caltrans has developed a draft bridge design that will replace the existing bridge with a much longer bridge to accommodate the lagoon restoration and sea level rise.

Restoration efforts are also underway at Moran Lagoon to restore and enhance wetland habitat function and water quality with a long-term goal of fostering resilience to droughts, floods, and sea-level rise. Water Resources staff are partnering with County Parks to develop baseline data on water quality and investigate the prevalence of Tidewater Goby, an endangered species. During water year 2021, the water quality program developed a monitoring plan and initiated seasonal sampling to characterize water quality variations.

Watershed protection/restoration efforts spearheaded by the City of Santa Cruz include:

- watershed lands fire preparedness and overall forest management work,
- invasive species eradication,
- implementation of several mitigation/restoration projects,
- ongoing lagoon monitoring,
- resumption of interpretive work that had been interrupted by COVID-19,
- hosting the seventh annual State of the San Lorenzo River Symposium,
- maintenance of watershed and stream signs,
- patrols along the San Lorenzo River,
- management of houseless persons camps adjacent to the San Lorenzo River,
- cleaning up houseless persons encampments, and
- pursuing enforcement on illegal stream diversions and other environmental regulatory violations on critical streams.

In June 2020 the SLVWD's Board of Directors approved the Integrated Pest Management Policy (IPMP). The IPMP should alleviate pest problems with the least possible hazard to people, property and the environment and create procedures of future usage of pesticides, herbicides, and rodenticides on SLVWD properties. Implementation and hardening has occurred in 2021. In addition, SLVWD is preparing a Habitat Conservation Plan to mitigate the impacts to listed species in Sandhills habitat which result from the SLVWD's Capital Improvement Projects. The initial draft of the plan is aimed for completion in February 2022.

Restoration of the Watsonville Sloughs is a priority for the County and partner organizations. The Pajaro Storm Drain Maintenance District (PSDMD) is entering the feasibility phase of a multi-benefit tidal marsh and wetland restoration project in the lower Watsonville Slough. The purpose of the Project is to conduct feasibility analysis and initial design for a mostly nature-based infrastructure project that re-establishes and enhances wetland and tidal marsh habitat while providing flood risk reduction, climate change adaptation, and recreational opportunities to economically-disadvantaged local residents. Feasibility work has begun and stakeholder input is being sought so that an appropriate and responsive set of alternatives can be evaluated.

The City of Watsonville, Pajaro Storm Drain Maintenance District, and Watsonville Wetlands Watch were awarded a Proposition 1 IRWM grant for the Upper Struve Slough Habitat Restoration and Public Access Project. This project is a multi-benefit project that will reduce flooding, improve habitat, and restore water quality through Struve Slough. PSDMD will secure partial funding from the Army Corps of Engineers under the Section 1135 Continuing Authorities Program, and the remainder of necessary funding will come from a Prop 1 grant award from the Ocean Protection Council.

Habitat Conservation

County Water Resources Program staff have been engaged in the development of a Regional Conservation Investment Strategy (RCIS), an effort led by the Regional Transportation Commission (RTC) and the Resource Conservation District of Santa Cruz County (RCD). The plan identifies conservation priorities for a range of critical species and habitat types to support the wise investment of restoration and mitigation funding. The RCIS will be completed in 2022.

The County and San Lorenzo Valley Water District (SLVWD) completed a grant project through the Wildlife Conservation Board Streamflow Enhancement Program. The grant assisted in the development of a San Lorenzo Watershed Conjunctive Use and Baseflow Enhancement Plan. The Plan will be used to improve water supply reliability and increase summer stream flows in the immediate future and recommend further infrastructure improvements needed in the long run. In 2021 the Conjunctive Use Plan was drafted, an initial study – mitigated negative declaration (IS-MND) was completed, and water right petitions were initiated. However, SLVWD staff are recommending that the SLVWD Board of Directors authorize further technical studies and an Environmental Impact Report (EIR) for the CUP based on comments received on the IS-MND.

The Olympia Conservation Area Management Plan was completed in May 2020. This plan was developed to guide habitat management, restoration, enhancement, and monitoring within the Olympia Conservation Area—a 6.3-acre conservation area located within the SLVWD’s 180-acre Olympia Watershed Property. The conservation area was set aside by SLVWD to mitigate impacts of its capital improvements and operations and maintenance projects on rare species and sensitive habitat in the Sandhills. SLVWD secured an AmeriCorps Team in March-April 2021 for a special project in the Olympia Watershed and its Kirby Water Treatment Plant for invasive plant removal.

Water Quality

During water year 2021, water quality efforts have focused on evaluating trends in freshwater watersheds, investigating algal and cyanobacterial blooms, and conducting ongoing monitoring of beaches to identify potential health risks. The County’s environmental health laboratory continued to expand analytical capabilities to investigate waterborne contamination. The County’s water quality program primary focus is microbiology and chemical fingerprinting.

Watershed Assessment

Several watersheds within Santa Cruz County have been identified by the State of California as impaired waterbodies pursuant to Section 303(d) of the Federal Clean Water Act (CWA)¹⁰. By definition, 303(d) listings and adopted TMDLs are related to impacts on one or more beneficial uses and the need to control the source(s) of these impairments. The Regional Water Board has oversight over these waterbodies and manages water quality through implementing Total Maximum Daily Loads (TMDLs) that are incorporated into Basin¹¹ Plans, the National Pollutant Discharge Elimination System (NPDES)¹² permit program, and the Storm water (MS4)¹³ program. The County of Santa Cruz and the Cities of Santa Cruz, Capitola, Scotts Valley, and Watsonville conduct extensive water quality monitoring and there is ongoing collaboration to exchange data among the individual stakeholders. An example of data from two monitoring locations along the San Lorenzo River in Figure 4.

¹⁰ https://www.waterboards.ca.gov/water_issues/programs/tmdl/background.html

¹¹ https://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan/

¹² https://www.waterboards.ca.gov/water_issues/programs/npdes/

¹³ https://www.waterboards.ca.gov/water_issues/programs/stormwater/municipal.html

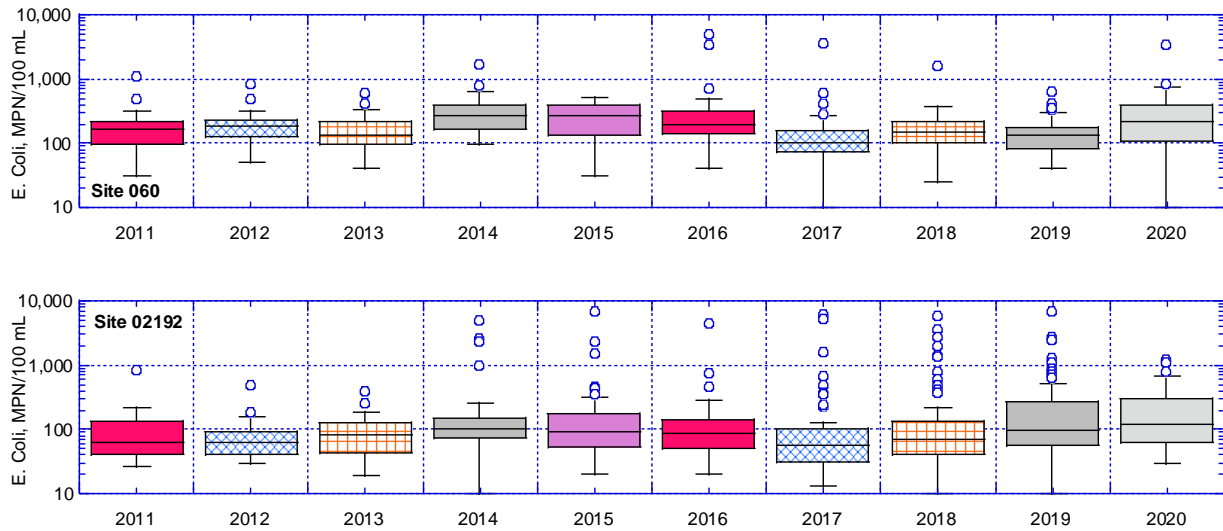


Figure 4. Boxplot of yearly *E. Coli* concentrations at the sampling sites adjacent to two USGS monitoring stations on the San Lorenzo River: Site 060-Big Trees (upper graph) and site 02192 – Vernon Street (lower graph) between 2011 and 2020. *E. Coli* data are from routine grab samples taken by the County of Santa Cruz Environmental Health Program.

The annual frequency of exceeding the single-sample *E. Coli* requirement of 400 MPN/100 mL is shown in Figure 5 along with rainfall data for both sites. During 2020, a higher percentage of *E. Coli* samples were above 400 MPN/100 mL at Big Trees than in the previous several years. The water quality staff have initiated microbial source tracking to try to determine the sources of contamination and develop potential mitigation strategies.

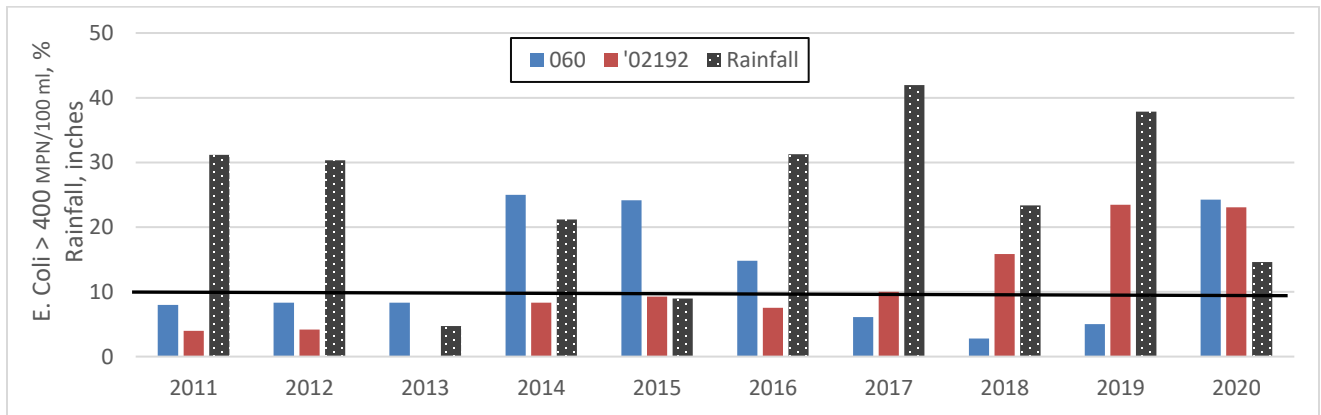


Figure 5. Frequency of exceeding the single-sample *E. Coli* limit (400 MPN/100 mL) at the sampling sites adjacent to two USGS monitoring stations on the San Lorenzo River: Site 060 (Big Trees) and site 02192 (Vernon Street) between 2011 and 2020. Rainfall data are from the California Irrigation Management Information System (CIMIS), site 104 (De Laveaga).

Monitoring Algal and Cyanobacterial Blooms

Pinto Lake is listed on the Clean Water Act section 303(d) List of impaired waterbodies due to seasonal and persistent cyanobacterial blooms that adversely affect the lake’s aquatic ecosystem and recreational uses. Several factors affect the frequency and intensity of cyanobacterial blooms including nutrient loading (nitrogen and phosphorus), water temperature, and the extent of mixing within the lake environment. In 2017, several mitigation measures were implemented at Pinto Lake through the City of Watsonville’s 319(h) grant (Agreement number 14-424-253)¹⁴ and the Resource Conservation District of Santa Cruz County (RCDSCC)’s Proposition 84 Grant (Grant No.13-515-553-0)¹⁵.

Nutrient data from 2020 and 2021 are shown in Figure 6. As shown, the levels of nutrients vary from site-to-site and season-to-season, however, it is difficult to detect any specific trends related to the lack of rainfall within the watershed during water year 2020-2021.



Figure 6. Comparison of nitrate and orthophosphate data from seven monitoring locations: CCC Creek (PL15), Amesti Creek (PL12), County Dock (PL 16), Dock at Villas Del Paraiso (PL11), the Boat Dock (PL 0) and downstream locations at Corralitos Creek (P302) and College Lake (P 31). Data are from grab samples taken by the County of Santa Cruz Environmental Health (May 2020-September 2021).

¹⁴ https://www.waterboards.ca.gov/centralcoast/water_issues/programs/grants/docs/14424253_fr.pdf

¹⁵ https://www.waterboards.ca.gov/centralcoast/water_issues/programs/grants/docs/grant_reports/13515553_sr.pdf

Microcystins are cyanobacterial toxins that can be released in conjunction with a cyanobacterial bloom. Data on microcystins measured at the Pinto Lake boat dock are shown in Figure 7. During water year 2021, toxins were detected during the summer, but the levels were consistently below the health advisory level. The peak concentrations were observed in mid-July.

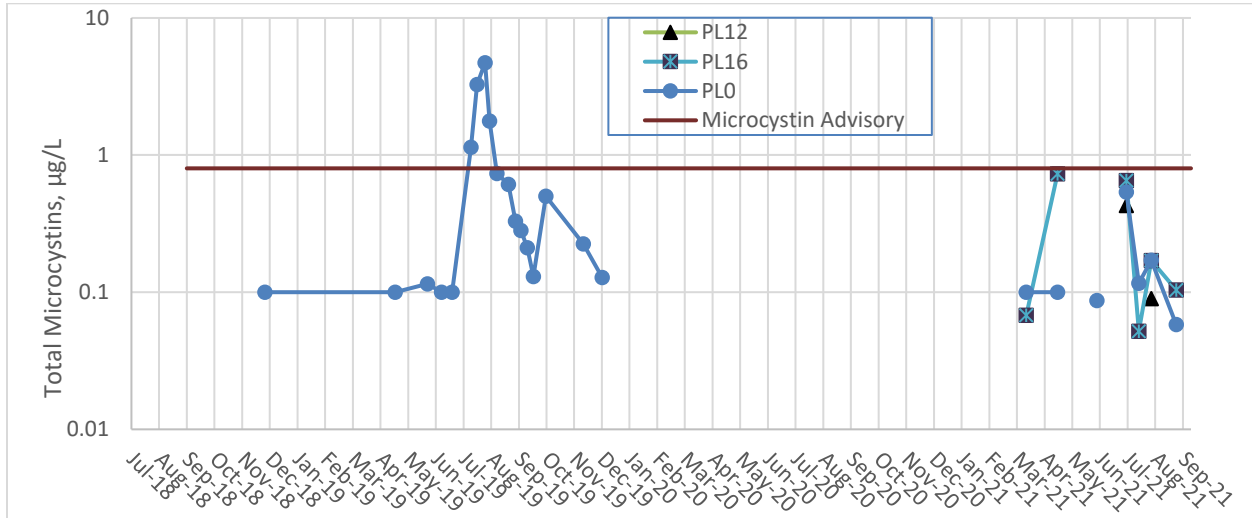


Figure 7. Time series of microcystin data from grab samples taken at Pinto Lake Boat Dock (PLO), Amesti Creek (PL12), and Pinto Lake at County Dock (PL16). Detection limit is 0.05 µg/L.

Preliminary screening of cyanobacterial and algal toxins was conducted in July 2021 in response to reports of ‘red tide’ and the prevalence of cyanobacterial/algal blooms in coastal lagoons. Seven coastal sites were sampled synoptically and tested for microcystins as an initial screening test. Physical-chemical parameters (temperature, dissolved oxygen, turbidity, and electrical conductivity), algal pigments (chlorophyll and phycocyanin), and fecal indicator bacteria were also tested. Results are summarized in Table 1. For this round of screening tests, water temperatures ranged from about 16 to 24 °C. Microcystins were detected in three samples, but below the health advisory warning levels. There was no correlation between microcystin levels, algal pigments, or fecal indicator bacteria levels. The screening program will be refined in advance of the 2022 monitoring season.

Table 1. Summary of microcystin screening tests conducted in July 2021 (7/12/21)

Code	Site name	Physical parameters				Algal pigments, µg/L		Fecal indicator bacteria, MPN/100 mL			Microcystins, µg/L*
		Water temp, °C	Dissolved Oxygen, mg/L	Turbidity, NTU	Electrical conductivity, µS/cm	Chloro-phyll	Phyco-cyanin	Entero-cocci	E. Coli	Total coliforms	
MR4	Antonelli Pond near Delaware	23.0	5.6	17.8	477	120	≤0.2	≤10	20	6,488	0.26
I0	Intel Creek at Mouth	16.5	1.3	10.0	600	60	≤0.2	723	243	4,884	<0.05
N2	Nearly Lagoon at Bay Street	20.3	3.8	31.1	546	9	0.3	2,046	794	3,873	<0.05
003	San Lorenzo River at Trestle	22.2	10.3	5.5	7,850	0.9	≤0.2	322	1,470	>24,196	<0.05
001	San Lorenzo River at Mouth	22.6	9.5	2.8	10,778	9	≤0.2	63	1,014	>24,196	<0.05
SW0	Schwan Lake at Mouth	22.8	8.9	10.2	31,707	6	≤0.2	20	>24,196	>24,196	2.77
R0	Corcoran Lagoon at Mouth	24.1	11.1	3.6	58,595	48	≤0.2	≤10	≤10	231	0.24

* California Health Advisories¹⁶ for Microcystins are:

Total Microcystins, µg/L	Trigger Level
<0.8	No advisory
0.8-5.9	Caution (Tier 1)
6-19	Warning (Tier 2)
>20	Danger (Tier 3)

Recreational Water Quality Monitoring

During this reporting year, the County continued routine surveillance of over 30 ocean monitoring sites and adjacent creeks, streams, and lagoons in accordance with State requirements. Water quality data are reported on the County’s website¹⁷ within 30 hours of sample collection and local jurisdictions are notified whenever there is a health advisory. A pilot program was implemented for ‘same-day’ testing of Enterococci using molecular methods (qPCR) in accordance with EPA methodology.

Currently the qPCR data provide an ‘early warning’ of the need to resample. An example comparison of q-PCR data and cell culture data is shown in Figure 8 for sites sampled between April and June 2021 with detectable q-PCR Enterococci. In general, exceedances of cell culture Enterococci corresponded to q-PCR Enterococci values above 600 cell equivalents per 100 mL. The County is working with other water

¹⁶ https://mywaterquality.ca.gov/habs/resources/habs_response.html

¹⁷ <http://scceh.com/waterquality.aspx>

quality programs and the Water Board to identify ways for method optimization and streamlining. The use of digital PCR is also being investigated as a faster and more accurate tool.

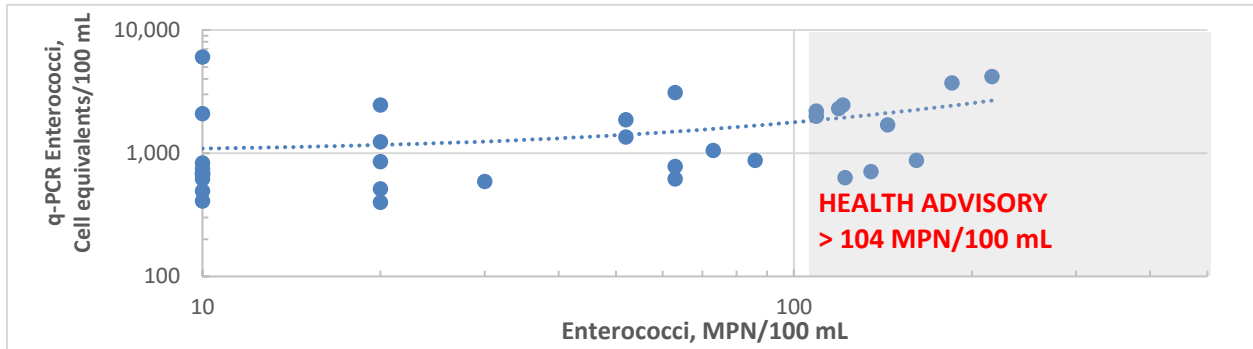


Figure 8. Comparison of q-PCR Enterococci data with cell culture Enterococci data for samples with q-PCR levels above the limit of quantification (LOQ) Data From April Through June 2021.

Towards the end of this reporting year, the County began screening for potential health risks associated with exposure to cyanobacterial toxins. Preliminary microscopic screening was initiated in samples from lagoons and ocean beaches when bloom conditions are suspected (due to temperature, evidence of water discoloration, or concerns reported by beachgoers). Where feasible, the dominant algal and cyanobacterial species were identified and micrographs were catalogued for future reference. An example of algal species identified in a beach sample is shown in Figure 9. The County is exploring the use of enzyme-based test-methods and also qPCR for evaluating toxins during algal blooms. The toxin testing is focused on microcystins, cylindrospermopsin, anatoxins, and saxitoxins.



Figure 9. Example micrographs of algae identified during a 'Red Tide' event at Seacliff State Beach.

Wastewater Management

In 2021, Environmental Health staff completed the County's Local Area Management Program (LAMP) for Onsite Wastewater Treatment Systems (OWTS). The LAMP is consistent with requirements of the State OWTS Policy and was developed in consultation with local stakeholders and staff from the Central Coast Regional Water Quality Control Board. The Regional Board approved the LAMP on October 14, 2021 and authorized the County to begin implementation immediately. Staff have initiated the process

to make related updates to the General Plan and County code, which will be completed in 2022. Implementation of the LAMP will provide for increased protection of public health and water quality by requiring increased setbacks from public water supply sources, drainageways, and karst features. The LAMP also specifies increased groundwater separation and provides detailed requirements for:

- shallow dispersal trenches,
- use of site-specific assessment and mitigation of site constraints in lieu of minimum lot sizes in broadly mapped constraint areas,
- maintenance of one-acre minimum lot size in water supply watersheds,
- increased use of enhanced treatment systems for new and replacement OWTS,
- nitrogen reduction in all nitrate constraint areas,
- locally approved and qualified service providers and designers,
- property owner requirements for proper OWTS operation and maintenance, and
- system evaluation at time of property transfer.

The Santa Cruz County Sanitation District secured a \$1,393,000 loan from the State Water Resources Control Board to relocate a sewer main crossing Valencia Creek. Valencia Creek is on the Central Coast Water Board's list of impaired water bodies. This project will consist of installation of a HDPE sewer main along a new alignment that will serve to replace the deteriorated main in a more secure location to protect water quality in the creek.

The Santa Cruz County Sanitation District completed the Soquel Pump Station and Force Main Replacement project in November 2021. This project served to control potential sewer leaks to Soquel Creek and Capitola Beach. The old, potentially leaking, sewer force main under Soquel Creek was replaced by a new jointless HDPE main. Upgrades at the Soquel Pump Station will increase reliability of the station and reduce the potential for sanitary sewer overflows. This project was funded by a \$1,976,731 Clean Beaches Grant, \$5,000,000 State Water Resources Control Board Clean Water Loan, and District funds.

The Santa Cruz County Sanitation District completed replacement or lining of over 10,000 linear feet of aging sewer mains and lined and sealed multiple sewer manholes. This work reduces the potential for sewer to exfiltrate into the ground water, and also reduces the risk of sanitary sewer overflows which could reach bodies of water.

The Freedom County Sanitation District completed Phase 1 of the Sewer Rehabilitation project. This included replacement of over 13,000 linear feet of aging sewer mains and lined and sealed multiple sewer manholes. This work reduces the potential for sewer to exfiltrate into the ground water, and also reduces the risk of sanitary sewer overflows which could reach bodies of water. This project was funded by a \$4,497,000 loan and \$4,492,628 grant from the United States Department of Agriculture Rural Development Water & Environmental Program.

As part of the County Sanitation's Sewer Lateral Program, the County reviewed over 600 sewer lateral videos and required repairs on over 350 laterals. Repairs fix defects that could lead to sewer exfiltration or cause sanitary sewer overflows.

In May 2021, the homeowners of Community Service Area (CSA) 2- Place De Mer approved the formation of an assessment district in the amount of \$2.8 million to fund sanitary sewer improvements to replace a failing community septic system and gravity sewer mains. The project includes an advanced wastewater treatment system that will treat the CSAs wastewater to a higher than secondary treatment,

reduce nitrogen, and remove the existing precast concrete tanks that have failed. The replacement of gravity sewer mains will reduce the possibility of infiltration and exfiltration.

Water Resource Linkages with Agriculture Practices

The Central Coast Regional Water Quality Control Board's Agricultural Order 4.0 regulates discharges from irrigated agricultural lands to protect surface water and groundwater quality. It was adopted by the Regional Water Board in April 2021 and is expected to take effect in spring 2022. RCD staff provided detailed comments and recommendations related to the strategies and requirements included in draft Ag Order 4.0. Staff continued to participate in a technical advisory group, including UC researchers and other experts, to provide the Water Board with a metric that growers can use to report how much nitrogen was removed from their fields (relative to the volume of nitrogen applied) during the reporting period. In addition, RCD staff participated in monthly "brown bag" meetings with stakeholders and Water Board staff to help inform the successful development of a third-party cooperative group that will offer growers an alternative route for meeting many of the Ag Order 4.0 requirements. That third-party group's proposal (from Central Coast Water Quality Preservation, Inc.) was subsequently approved by the Regional Water Board and future collaborations are planned to advance improvements to water quality on watershed scales.

RCD staff collaborated with Central Coast Water Quality Preservation, Inc., non-profits, growers, other RCDs and UC researchers to help advance the development of a best management practice using biochar filtration in agricultural settings to remove pesticides. RCD supported outreach, implementation and monitoring for a number of projects incorporating biochar, which is now documented as an effective treatment for reducing pesticides in agricultural water. Looking ahead, partners will work to develop a BMP design that is simple, cost-effective and scalable.

RCD Agricultural Program staff continue to work with NRCS, researchers, management agencies, funders and industry to get effective water quality best management practices developed and on the ground. Additionally, RCD is providing assistance to growers to submit applications for funding to the California Department of Food and Agriculture (CDFA) State Water and Energy Efficiency Program (SWEEP) and the Healthy Soils Program (HSP). The SWEEP program offers growers the opportunity to apply for up to \$200,000 for projects that improve water and energy use efficiency, and the HSP program offers growers up to \$100,000 to help implement practices that improve soil health. RCD staff helped growers submit applications through December 2021, and anticipate that well over 20 applications will be submitted from Santa Cruz County growers during this round of funding, with a high likelihood of receiving awards.

The RCD continues assist growers with conserving water through irrigation efficiency and soil health improvements leveraging funds from PV Water, CDFA, and NRCS. Assistance with nitrogen management is often incorporated into the irrigation efficiency assistance. During 2021, RCD assisted 23 growers to monitor and/or improve the efficiency of their irrigation. The RCD also provides:

- irrigation system evaluations and recommendations,
- season-long monitoring to inform growers of how the volume of water applied to their crops compares to the volume of water required by their crops,
- irrigator trainings in English and Spanish, soil moisture monitoring, and
- technical and financial assistance to implement more efficient water use practices.

Through collaboration with PV Water, over \$25,000 was issued to participants in the Agricultural Water Conservation Program. Rebates and cost-share from PV Water helps growers purchase and install more

efficient irrigation equipment such as lower flow sprinklers, pressure compensating drip tape, pipe retrofits, soil moisture sensors, irrigation monitoring equipment like flow meters and data loggers, and repairs of leaky pipe joints.

PV Water expanded the Coastal Distribution System in 2020 with funding provided by the Department of Water Resources adding 9,900 feet of new pipeline on the San Andreas Terrace to provide delivered water service to up to 700 acres of farmland and alleviate coastal groundwater pumping.

The Pajaro Valley Water Management Agency (PV Water) continues to monitor water quality, hydrologic, and land use conditions throughout the Pajaro Valley Basin. Agency staff routinely collect and analyze water quality data from approximately 40 surface water monitoring sites. PV Water also maintains a large network of autonomous dataloggers and measure discharge to monitor stream conditions. In 2021, PV Water completed its eleventh consecutive annual summer land use survey which is used to characterize water demand in basin modeling and identify changes of land use in the watershed

Groundwater elevations in portions of the Pajaro Valley Basin are frequently at or below sea level for significant periods during each year. Seawater intrusion, as determined from chloride concentrations in groundwater exceeding 250 mg/L, extends inland to approximately San Andreas Road. Preliminary monitoring results from 2021 indicate an average decrease of approximately 3 feet in groundwater levels in the Pajaro Valley Basin since fall 2020 during a year with slightly more than 60% of average annual precipitation. PV Water continues to implement its Groundwater Sustainability Plan (GSP) Alternative, which includes optimizing existing water supplies, conserving water resources, and developing new water supply projects such as the approved College Lake Integrated Resources Management Project and the Watsonville Slough Systems Managed Aquifer Recharge and Recovery Projects.

Water Resiliency

Water resiliency activities include integrated regional water management, water supply reliability, and focused efforts to build resiliency and preparedness. Priorities during water year 2021 were dictated by the aftermath of the CZU Lightning Complex Fire and the drought conditions.

Integrated Regional Water Management

Santa Cruz County partner agencies continue to work together on the Integrated Regional Water Management (IRWM) program, with the Regional Water Management Foundation (RWMF) serving as a hub for the 12 agencies in the Regional Water Management Group. The County and all of the cities and public agencies dealing with water are signatories to the Santa Cruz IRWM Memorandum of Agreement, which was updated in 2016. The agencies contribute a combined \$82,000 annually to support maintenance of the IRWM efforts. The RWMF is also providing administrative services to the Santa Cruz Mid-County Groundwater Agency, and grant administration for the Santa Margarita Groundwater Agency¹⁸.

The Santa Cruz and Pajaro IRWM regions, as well other four other IRWM regions along the Central Coast, continue to work to utilize IRWM grant funds to further evaluate and address the water needs of disadvantaged communities in the Central Coast, including the Santa Cruz and Pajaro regions. This project is being administered by the RWMF.

¹⁸ www.santacruzirwmp.org/

In July 2021, the RWMF executed a \$2.3M grant agreement with the California Department of Water Resources (DWR) on behalf of the IRWM Region. The award is from Round 1 of the Proposition 1 IRWM Implementation grants. It will support multiple projects featuring work to:

- enhance watershed and stream conditions by reducing sediment runoff
- improve water supply reliability for the community of Davenport
- capture stormwater runoff for groundwater recharge in the Mid-County groundwater basin and,
- implement habitat restoration projects in Watsonville Sloughs.

Local project sponsors include: Resource Conservation District Santa Cruz County; County of Santa Cruz Environmental Health; and the Davenport County Sanitation District. Implementation partners include Land Trust of Santa Cruz County and Soquel Creek Water District among others. The Santa Cruz County Flood Control and Water Conservation District Zone 6 project for storm drainage improvements for the Rio del Mar Flats was previously to be funded in part by this grant but the County is no longer advancing that project. This grant is being administered by the RWMF. Work will occur from 2021 to 2024.

Infrastructure

The County Zone 5 Master Plan is being updated. The update is scheduled for completion by December 2022. One main goal of this Master Plan update is to generate detailed cost estimates for the maintenance and CIP upgrade of all the large drainage conveyances, 36" or larger in pipe diameter. That estimates will be utilized to seek additional sustainable funding sources for the maintenance and the CIP implementation from the benefiting property owners in the Zone. In addition, impact fee nexus analysis and impact fees calculations will be conducted based on the CIP results to evaluate the funding sources attributed to impervious area generation associated with land development projects in the zone.

Stormwater Management

County staff from Public Works and Environmental Health continue to implement the County's stormwater management program and update the program to address evolving State and Federal requirements.

In the last decade three stormwater infiltration systems have been constructed in Scotts Valley by the Scotts Valley Water District and private developers. The SVWD monitors all three – the combined infiltration total for water year 2021 was over 16 acre-feet.

The City of Watsonville completed a grant from the Santa Cruz IRWM to leverage current engagement efforts on pollution prevention related to stormwater in disadvantaged community block groups. of Watsonville also completed a grant through the Santa Cruz IRWM's Disadvantaged Community Involvement Grant to plan a stormwater project centrally located in the City that has water quality and habitat restoration benefits to Middle Struve Slough. This project was in partnership with Watsonville Wetlands Watch.

Water Supply Reliability and Water Use Efficiency

Ensuring that drinking water systems are capable of provisioning safe water throughout the County is a key element of building resilience. A number of parallel efforts are addressing the availability of water including water use efficiency, groundwater management, and supplemental water supply projects

Drinking Water Systems

The Santa Cruz County Drinking Water Program oversees 109 active small water systems (SWSs), including community systems with 5 to 199 residential connections and noncommunity systems such as schools, outdoor camps, and businesses with their own source of drinking water. Drinking Water

Program staff work with these systems to maintain compliance with evolving federal, state, and local public health requirements and meet the ongoing needs of the people and communities that rely upon them. County oversight includes regulation of water quality, quantity, monitoring, treatment, distribution, and system organization. These systems are required to test for up to 84 different constituents on an ongoing basis.

Drinking Water Infrastructure

In July 2020, the Integrated Regional Water Management Foundation recommended to the Department of Water Resources funding for water tank repurposing and rehabilitation in Davenport, under the 2019 Proposition 1 IRWM Implementation Grant Program. Davenport County Sanitation District proposed to repair, line, and coat an existing water tank to be repurposed for the storage of raw water that would be available for treatment when source water is unavailable due to turbidity or low flows. In 2021, the District requested additional grant funding from DWR to cover cost increases that have occurred since the proposal was filed. Actual improvements will depend on the amount of funding received.

In October of 2021, the Davenport County Sanitation District kicked off the Feasibility Study with consultant Kennedy Jenks that will study if a pump station can be constructed at the San Vicente Creek intake to pump water to a domestic water main that would be constructed in an existing roadway paralleling the creek. Currently the water supply line is a gravity-fed pipe owned by CEMEX, that is exposed and routed within the creek channel. This line is subject to natural disasters and damage from fire. The new line would provide a more resilient water supply for the town. The study is funded by a \$93,023 Community Development Block Grant.

The SLVWD and SLVWD-Felton systems have an interconnection, which allows for the transfer of water between the two systems on an emergency basis. In 2020, the SLVWD received approximately 13.47 million gallons of water from the SLVWD-Felton system, or approximately 2.5% of its total supply; while the SLVWD-Felton system received approximately 9.62 million gallons of water from the SLVWD system, or approximately 7.7% of water provided to the SLVWD-Felton system.

Water System Reliability

The SLVWD is working on a multi-tier effort to optimize operations, sustainably manage water supply and diversify the SLVWD's water supply portfolio to ensure a resilient water supply for a changing climate through:

- Water Conservation
- Improving System Efficiencies through Conjunctive Use (Using surface water when available to rest and recharge groundwater sources)
- Capital Improvement (increasing pipeline sizes, reducing leaks, and increasing storage tank capacities)
- Permit Intertie Pipelines to optimize operations and sustainably manage water supply.
- Sustainable Groundwater Management (SMGWA.ORG)
- Climate Adaptation and Mitigation (The Climate Registry)

The SLVWD, working with consultant Akel Engineering, has developed a Water Master Plan, including development of a dynamic system model and a Capital Improvement Program.

- The Master Plan provides a quantification of the existing system, including pipelines, storage reservoirs, treatment plants, pump stations, wells, and surface water intakes. The Plan reflects damage suffered during the CZU Fire and not repaired as of September 2021.

- The dynamic system model is based on the existing system as outlined in the Master Plan, and allows for evaluation of potential system changes, as well as quantification of existing service. The District’s hydrant pressure and flow schedule was developed using the dynamic model.
- The Capital Improvement Program identifies deficiencies within the system and provides recommendations for system repairs and upgrades. The Program anticipates approximately 20-years of continuous repair and upgrade by the District.

Water Use Efficiency

On a County-wide scale, optimizing water-use efficiency can serve to build water supply resilience. Water use efficiency includes prudent practices for using water, water-conserving fixtures, infrastructure maintenance, and strategic irrigation. A comparison of the amount of water produced in Santa Cruz County and the number of service connections from 1984 through 2021 is shown in Figure 10. It is interesting to note that, while the number of water connections has more than doubled, the net amount of water produced has decreased. This trend reflects increasing water conservation along with improvements in water-use efficiency. County staff, countywide public water agencies, and Ecology Action collaborate on outreach and education through the *Water Conservation Coalition of Santa Cruz County*. Though most in-person events were cancelled this year, the Coalition developed the “Value of Water” social media campaign¹⁹ to encourage residents to learn more about water infrastructure sustainability. Initial activities included a quiz and an opportunity to earn prizes from local businesses. The website logged 957 views and 94 residents taking the quiz. The Coalition’s booth at the 2021 Santa Cruz County fair featured an educational video on the importance on water infrastructure, information on County-wide conservation programs, and free water saving devices. In the coming year, the Coalition plans to build on the “Value of Water Campaign” and resume in-person events and landscaper trainings.

¹⁹ watersavingtips.org

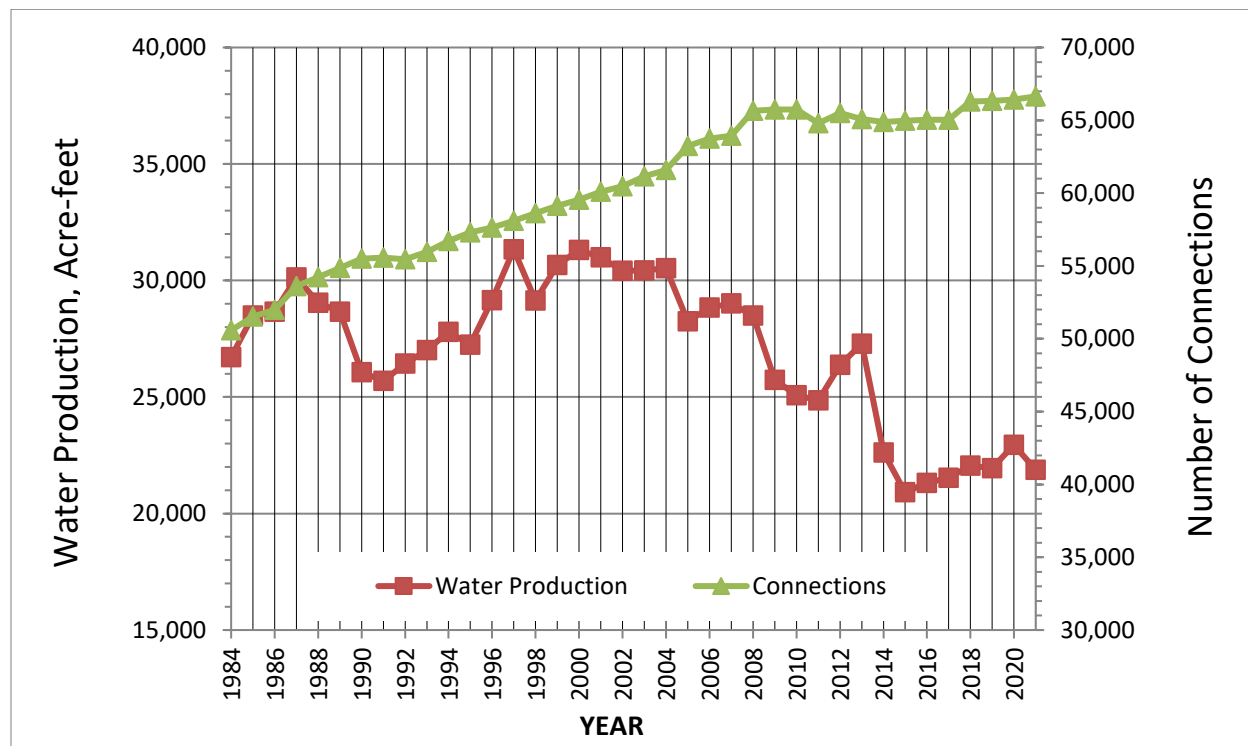


Figure 10. Water use relative to number of connections for all major municipal suppliers, combined, 1984-2021

Water use efficiency activities across the County included developing criteria for new developments and infrastructure, metering and leak detection programs, rebate programs, and landscape guidance. Generating awareness and maintaining consistency is critical for the success of these efforts.

Criteria for New Developments and Infrastructure

- County Planning²⁰ continues to encourage multi-family development, smaller units and Accessory Dwelling Units, which are all water saving relative to other types of development, as well as water saving landscapes.
- The Soquel Creek Water District’s Water Demand Offset (WDO) program which, in lieu of a building moratorium, allows new development to proceed without increasing water demand on the overdrafted groundwater basin. (Note: The WDO program no longer applies to the construction of Accessory Dwelling Units due to the 2019 passage of Senate Bill 13). The WDO program is intended to serve as a bridge until a supplemental water supply can be secured. The program requires developers to fund a reduction in existing water use and/or increase in supply amounting to 200% of their projected new water use. Since 2019, each development project’s offset fee of \$55,000 per acre-foot has been directed toward funding a water meter system upgrade from drive-by Advanced Meter Reading to Advanced Metering Infrastructure. The upgrade was initially estimated to save 86 acre-feet of water per year due to earlier leak notification features; thus, 86 acre-feet of offset credit was made available to new water service applicants for purchase. As of October 31, 2021, approximately 53 acre-feet of offset credit remains available for purchase. In 2021 to date, 24 Conditional Will Serves and 8 Unconditional Will Serves have been granted.

²⁰ Sustainable Santa Cruz County Plan (2014) and the Housing Element of the General Plan (2016-2023)

- SLVWD customers continue to demonstrate commitment to ongoing conservation efforts, maintaining at least a 15-22% reduction in yearly water usage from 2013 consumption levels. SLVWD's 2020/2021 target water use is 85 GPCD. The SLVWD's 23,700 population served meets the 85 GPCD target with an average 80 GPCD for 2020.

Metering and Leak Detection

- In July 2016 the SLVWD's Board of Directors approved the Badger Meter project with the goal of installing the advanced metering technology at all meters. As of November 2021 about 29% of the meters have been upgraded. The new meters, combined with the Badger Eye on Water engagement portal allow the customers to view hourly usage history, setup leak detection alerts and high bill notifications. In compliance with SB555, SLVWD has been conducting and submitting water loss audit reports to the Department of Water Resources (DWR). SLVWD has been improving its audit score every year from 49 in 2016 to 59 in 2020.
- The Scotts Valley Water District Advanced Metering Infrastructure (AMI) project commenced in 2017 and achieved 100% installation in January of 2021. The meters (dubbed "Intelligent Meters" or i-Meters by staff) are supported by a web portal that helps customers to manage their water usage to be more water efficient. The District activated automated leak alerts that resulted in total excess water tracked through Leak Adjustment Program to be reduced by more than 50% (from 7 million gallons in FY19 to 3.5 million gallons in FY20 to 2.5 million gallons in FY21). The SVWD is currently developing and refining a targeted messaging procedure that leverages AMI to implement a significantly more robust system of notification regarding customer-side water leaks. Data analysis of leak trends is also underway to identify additional ways this technology can be used for water use efficiency efforts.

Rebates

- In Fiscal Year 2020/2021 the SLVWD issued 29 rebates for grey water system, Energy Star rated washing machine, low-flow toilet, and weather-based irrigation controller installations.
- During the January 1, 2021 through Nov 1, 2021 The City of Watsonville Municipal Utilities distributed a total of 27 lawn rebates, 7 Sewer Lateral Rebates, 29 High Efficient Energy Star Washing Machine Replacements, 16 Toilet Rebates , and 662 water conserving devices conserving over a million gallons of water annually.

Landscape and Irrigation Water Use Efficiency

- Scotts Valley Water District's Turfs Up special lawn rebate program ran from March to the end of June 2021 and provided a temporary increased rebate rate for lawn removals (\$2/square foot up from \$1/sqft). The limited-time program resulted in the replacement of approximately 63,000 square feet of irrigated turf and the total estimated water savings are between 3 and 8 AFY.
- The Turf's Up program generated a noticeable increase (approximately 450%) in participation for regular lawn rebate program (28 applications on file for Q1 FY22 up from 8 applicants in Q1 FY20 and 4 in Q1 FY19).
- PV Water is continuing to support water conservation efforts in the Pajaro Valley through voluntary agricultural and residential conservation programs. Both programs provide information, technical advice, and rebates to incentivize reducing water consumption. PV Water's agricultural conservation program is supported through contracts with the Resource Conservation District of Santa Cruz County and the University of California Cooperative Extension to utilize the region's technical experts and leverage the trusted reputations the institutions have built over decades in the farming community. The technical experts evaluate current irrigation practices, provide recommendations, and assist farmers in tracking water and

fertilizer use through time. The residential conservation program supports residents through providing information about indoor and outdoor water efficient use practices, issuing rebates for rainwater catchment and graywater systems, and offers free water saving devices.

- At the end of 2020, the PV Water Board of Directors took action to provide \$1.2 million in funding to bolster the conservation program. This included a commitment to fund the agricultural program for three years at approximately \$400,000 per year and includes \$100,000 allocated for rebates to encourage farmers to utilize new irrigation equipment that conserves water while keeping crop yields at or above previous levels. PV Water's overall conservation program goal is to conserve 5,000 acre-feet per year, as detailed in the Basin Management Plan Update (2014), with an interim milestone of 75% progress toward the goal by 2020, and achieving 100% by 2023. In 2021, PV Water performed a review of recent basin water use and determined that the program had achieved the 75% interim milestone during the 2020 water year. Conservation program efforts will continue as PV Water works to achieve the 5,000 acre-feet per year goal by 2023.

Outreach and Education

- SLVWD conducts a variety of public education activities such as a dedicated Water Use Efficiency Page on its website, e-Newsletters, billing inserts, Instagram and Facebook postings.
- RCD staff also participate in groundwater management planning forums, stakeholder forums, and outreach events to provide updates and receive feedback from the community related to conservation and sustainable water management.

Groundwater Management

The County has worked with the water agencies, small water system operators, and private wells for many years to manage groundwater, a critical source of drinking water in the county. The County continues to coordinate submission of groundwater level data to the State's 'CASGEM' groundwater monitoring program. In addition to this required monitoring, County staff is also offering free well soundings to private well owners throughout the county.

The City of Santa Cruz (City) and Soquel Creek Water District (SqCWD) are continuing to analyze the efficacy of water transfers in reducing groundwater pumping from the Mid-County Basin. A 5-year pilot project occurred from November 2015 through December 2020 and was extended through April 2026 to capture five winter seasons. The pilot study includes transferring water from the City's to SqCWD's distribution system to evaluate any water quality, water quantity and operational challenges. The first year of transfer (Phase I) began in December 2018. Phase II of the water transfer began on December 6, 2019 and extended through February 1, 2020 when the intertie was closed due to the lack of available supply. Transfers are dependent upon the City's available excess water supply and SqCWD's system demand that included all of Service Area 1 with approximately 5,200 connections. In WY 2020, approximately 35 million gallons were transferred to SqCWD. Over the course of the initial 5-year pilot project, approximately 269 afy was transferred from the City to SqCWD. The ongoing drought prevented the City from transferring water for the remainder of the agreement's term, December 31, 2020. The City did accept 2MG of water from Soquel Creek during an emergency transfer when the City was facing operational challenges.

The RCD continues to facilitate the Community Water Dialogue (CWD), a stakeholder group addressing aquifer overdraft in the Pajaro Valley. During 2021, the CWD Guidance Team held quarterly meetings and exchanged updates on managed aquifer recharge, conservation, and groundwater sustainability planning. The CWD email list-serve was used to perform outreach for the Pajaro Valley Groundwater

Sustainability Update Community Meeting in Sept. 2021. The Guidance Team decided not to hold an in-person community outreach event this year.

Sustainable Groundwater Management Act Compliance

The Sustainable Groundwater Management Act of 2014 (SGMA) went into effect on January 1, 2015 and is a key driver for developing long-range plans for groundwater sustainability. In addition to the work required under SGMA, the individual agencies that depend on groundwater for some or all of their water supply continue to implement projects and management actions. The County led a process to develop a regional data management system to help the Groundwater Sustainability Agencies (GSAs) meet the requirements of SGMA, and additionally to collect and organize data collected by all of the water agencies in the County. There are several advantages to a regional system, it will provide a robust storage system for critical historical data, it will make it easier to compare data across agencies, and the portal will make it easy for interested parties to view results. The data management system will use the Water Information System by Kisters (WISKI) software. Historical data from all the water agencies has been added and the vendor is now creating the public portal, which should go live in early 2022.

The County is actively working with local water agencies to pursue sustainability for the three major groundwater basins in the County as follows:

- **Santa Margarita Basin** Management of the Santa Margarita Basin is overseen by a JPA consisting of the County of Santa Cruz (County), the Scotts Valley Water District, and the San Lorenzo Valley Water District. This JPA is referred to as the Santa Margarita Groundwater Agency (SMGWA), which is the GSA for the basin. The SMGWA governing board includes two private well representatives, two representatives from each partner agency, and one representative each from the City of Scotts Valley, the City of Santa Cruz, and the Mount Hermon Association. The Santa Margarita Groundwater Basin has experienced a significant historical decline in groundwater levels, particularly in the South part of the Basin near Scotts Valley and has also seen reduction in streamflow. While groundwater levels stabilized and are no longer declining, they have not seen any recovery. The analysis shows a clear need to implement at least modest projects in order to maintain sustainability. The GSP for Santa Margarita was adopted by the GSA Board in November 2021 and submitted to DWR in January 2022. DWR has until 2024 to review the GSP²¹.
- **Santa Cruz Mid-County Basin** Management of the Santa Cruz Mid-County Basin is overseen by a Joint Powers Authority (JPA) consisting of the County, City of Santa Cruz, Soquel Creek Water District and Central Water District. This JPA is referred to as the Santa Cruz Mid-County Groundwater Agency (MGA), which is the GSA for the basin. The MGA governing board includes three private well representatives and two representatives from each partner agency. The Mid-County Basin is designated by the State as being in a condition of critical overdraft due primarily to the risk of seawater intrusion on the aquifers. Groundwater extraction has also reduced streamflow in parts of the Basin. Despite significant improvement of coastal groundwater levels due to water conservation and pumping redistribution, the groundwater modeling done for the GSP demonstrates that projects will be necessary to achieve sustainability.

In June 2021, the MGA learned that their Groundwater Sustainability Plan²² had been approved by Department of Water Resources (DWR). As of the writing of this report, the GSP remains one of only two approved Plans, the other is that of the nearby Salinas Valley Basin Groundwater Sustainability Agency. Work continues on GSP implementation, with current efforts including

²¹ www.smgwa.org

²² www.midcountygroundwater.org

expanding the monitoring network of wells and stream gages, and developing a metering program for large private water users.

Soquel Creek Water District (SqCWD) continues to implement the Pure Water Soquel Program (Program)²³ to address the Santa Cruz Mid-County Groundwater Basin overdraft situation and prevent seawater intrusion from moving further inland. The Program's design capacity is 1,500 acre-feet per year (afy) and it has been included as a primary Group 2 Project in the Santa Cruz Mid-County Groundwater Sustainability Plan (GSP). Collaboration with the regional agencies (City of Santa Cruz, County of Santa Cruz, City of Capitola, and the Regional Transportation Commission) continues to be an important part of the Program. In 2021, the Seawater Intrusion Prevention Wells Project was completed, construction began on the Conveyance Infrastructure Project, and design was completed on the Treatment Facilities Project.

- **The Pajaro Valley Water Management Agency** The Pajaro Valley Water Management Agency (PV Water) is the designated groundwater sustainability agency (GSA) of the Pajaro Valley Basin. PV Water submitted the Basin Management Plan Update (2014), the Integrated Hydrologic Model of Pajaro Valley Report, the Salt and Nutrient Management Plan, and other supporting documentation to DWR as a Groundwater Sustainability Plan (GSP) Alternative in 2016. In July 2019, DWR determined that the GSP Alternative satisfies the objectives of the Sustainable Groundwater Management Act and issued approval, making the Pajaro Valley Basin the first critically overdrafted basin in California to have an approved plan.

In October 2020, PV Water initiated the Basin Management Plan: Groundwater Sustainability Update 2022 (GSU22). The GSU22 effort is a mandated 5-year update of PV Water's GSP Alternative that focuses on addressing ten recommendations from DWR to strengthen the plan and facilitate its review. The GSU22 process was guided by a 17-member Ad Hoc Sustainable Groundwater Planning Advisory Committee and included the development of sustainable management criteria for seawater intrusion, surface water depletion, groundwater dependent ecosystems, interconnected surface waters and chronic lowering of groundwater levels. The final GSU22 was adopted by the PV Water Board of Directors in November 2021 and will be submitted to DWR by January 1, 2022.

As part of the GSU22, PV Water in collaboration with the United States Geological Survey (USGS) and consultants, conducted climate change and sea level rise model simulations of the Pajaro Valley Basin. The modeling evaluated a series of potential scenarios and impacts to the Pajaro Valley Basin from sea level rise and climate change consistent with guidance from DWR for climate-based water resource assessments. The projected water budgets indicated that the GSP Alternative projects and management actions are likely to achieve their intended effects, increasing groundwater in storage and reducing the rate of seawater intrusion, through 2040. However, after 2040 climate change and sea level rise begin to outpace the influence of projects and programs and additional management actions may be required.

In addition to the GSU22, in 2021 PV Water continued implementation of the projects and programs identified in the GSP Alternative which are described in the water supply section of this report. More information is available at <https://www.pvwater.org> and <https://sgma.water.ca.gov/portal/#intro>.

²³ www.soquelcreekwater.org/pws

Managed Aquifer Recharge

Managed Aquifer Recharge (MAR) is a landscape management strategy that can help support groundwater supply by capturing stormwater in an infiltration system (typically a strategically designed basin) where it can then infiltrate into the aquifer. Since 2016, the RCD, the University of California, Santa Cruz (UCSC) and private landowners have collaborated to implement three active MAR projects in the Pajaro Valley with funding from DWR, USDA NRCS, California Coastal Conservancy and State Water Resources Control Board. (A fourth system, a drywell recharge system, was also installed but is not providing desirable results.) Monitoring results for the three systems indicate that to date, they have collectively contributed about 565 acre-feet of water through infiltration into the groundwater basin. During water years 2020 and 2021 (two rainfall years) about 221 acre-feet of water were infiltrated as a result of these projects. Additionally, water quality monitoring indicates that these projects likely help to improve groundwater quality. Data indicate that water infiltrated in the MAR basins had lower Nitrate [NO₃-N] levels than ambient groundwater.

The RCD, University of California at Santa Cruz, PV Water and private landowners continue to collaborate to implement the Recharge Net Metering (ReNeM) Program in the Pajaro Valley. This innovative program includes collaborating with landowners to install MAR systems on their land, monitoring the performance of the systems, and providing a financial incentive to the landowners based on the volume of water infiltrated. Initially launched in 2016 as a 5-year pilot program, in September 2021 the PV Water Board of Directors approved continuation of the ReNeM Program beyond its pilot phase, based on the positive, cost-effective results of the program to date. Since water year 2017, the program has resulted in a total 553 acre-feet of water infiltrating into the groundwater basin resulting in \$63,002 in rebates issued to landowners/growers by PV Water.

During water years 2020 and 2021, two MAR systems were included in the ReNeM program, and a third was enrolled. During summer 2021, these three infiltration systems were carefully prepared by the landowners/growers to optimize infiltration during this water year (water year 2022). Maintenance included scraping and removing fine sediments that had accumulated in the basins, disking the floor of the basins, and in one basin, adding carbon amendments in the form of woodchips to the base of the infiltration basin to enhance removal of nitrate from water as it infiltrates. UCSC researchers instrumented the systems with a variety of monitoring equipment to determine volume captured, volume infiltrated, and quality of water infiltrated during this water year.

Building Resiliency and Preparedness

The importance of resiliency and preparedness for emergencies of varied scope, intensity, and duration has been demonstrated repeatedly. Multiple stressors on water resources include drought, the aftermath of the CZU Lightning Complex Fire, and responding to changing water use patterns in response to the COVID19 pandemic. The Board of Supervisors created the new Office of Response, Recovery and Resilience (OR3) in November 2020 in the aftermath of the CZU Lightning Complex Fire. The new OR3 employs a comprehensive approach to manage the impacts of disasters and build resilience through community preparedness, climate change awareness and adaptation, hazard mitigation, coordinated response and recovery. With the County of Santa Cruz water supply resources managed by a collection of public and private water agencies, private wells as well as small water communities the OR3 will support efforts to consolidate and build resilience to all water providers and will support collaborative efforts to identify new funding to build County climate change resilience water supply and water quality projects.

Drought Response

Water year 2021 was the second consecutive dry year: rainfall was around 50% of average in 2021 following only 75% of average rainfall in 2020. All the large water supply agencies are in a declared

drought stage (see Attachment 2). Vulnerability to water supply challenges, system preparedness, and the need for back-up or emergency water supply is a focus of each community system sanitary survey and inspection.

Senate Bill (SB) 552, approved by Governor Newsom September 23, 2021, requires the creation of a county drought task force to improve preparedness for state small water systems (5-14 connections) and domestic wells with less than 5 connections. Drinking Water Program staff are working the County Water Advisory Commission, along with staff from the County Office of Response, Recovery and Resilience (OR3) to establish this task force. Representatives from local and state governments, community organizations, local water suppliers, and residents will be invited to participate in this effort. During this process, the task force will identify potential drought and water shortage conditions and propose short-term and long-term solutions.

Drinking Water Program staff have coordinated with small water systems to evaluate current drought impacts and identify needs. The County has requested state funding from the Department of Water Resources and the State Water Resources Control Board for specific small water system infrastructure needs and drought recovery resources for domestic wells. Small water systems will be required to implement certain resiliency measures per SB 552, depending on system type and size. These requirements fall under the purview of the Drinking Water Program, and County staff will work with water systems to ensure these measures are implemented.

In response to the current drought conditions, the state has made emergency drought funding available for local agencies and small water systems. The region is poised to take advantage of these State-developed drought relief programs as follows:

- The County Water Resources program has submitted a request for \$426,000 to build the County's capacity to respond to drought and help the community, particularly private wells and small water systems that are otherwise on their own. Funding would be used to conduct outreach to private well owners to inform them about resources, provide well soundings and water quality testing, and create a reserve fund for hauled water and water quality point of use equipment.
- In September 2021, Davenport County Sanitation District applied for \$3.6M grant funding through the Department of Water Resources' Small Community Drought Relief Program. The funding will enable permitting, design, and construction of a 700,000-gallon water tank to store treated water during drought conditions or if surface water quality is unsuitable for treatment. The stored water could also be used for fire protection.
- The SLVWD's Board of Directors approved consolidation with Big Basin Water Company, Forest Springs Mutual, and Brackenbrae Mutual. In November 2021 the District was approved for grant funding through the Department of Water Resources Small Community Drought Relief Program to consolidate the two small water systems of Bracken Brae and Forest Springs been impacted by drought into SLVWD.

The State Water Resources Control Board approved a Temporary Urgency Change Petition for the City of Santa Cruz in order to preserve storage in Loch Lomond during the dry conditions characterizing 2021. Other supplemental water sources include the use Aquifer Storage and Recovery (ASR) to increase groundwater storage for use during drought. The City of Santa Cruz is evaluating the efficacy of injecting treated surface water into the Mid-County and/or Santa Margarita groundwater basin. The City completed a pilot ASR test in their Beltz 12 production well located on Research Park Drive in July 2019 with no operational or water quality issues found. The second phase of pilot testing involved the second of four existing groundwater wells, Beltz 8. Two new monitoring wells were drilled at the Beltz 8 site and Pleasure Point between January and March 2020 and pilot testing to inject and extract water over three

increasingly-longer cycles commenced shortly thereafter. Cycles 1 and 2 were completed in May; Cycle 3 was postponed until further data collection and evaluation could be completed related to unexpectedly higher levels of Arsenic. ASR pilot testing at the Beltz 8 site resumed late March 2021 and continued through June 2021. The Cycle 3 test program was split into Cycles 3a and 3b to generate the data needed to validate the geochemical evaluation to understand any risk associated with elevated arsenic concentrations appearing during Cycle 2. Beltz 8 ASR Cycle 3a consisted of two weeks of injection, four weeks of resting, and two weeks of extraction. Similar to Beltz 8, an ASR Demonstration Study at Beltz 12 is also scheduled for the period of January 2022 through December 2023.

- The analysis of data resulting from Cycle 3a indicates that the presence of arsenic in the aquifer matrix initially exposed during ASR Cycles 1 and 2 decreased during ASR Cycle 3a and indicated further arsenic reduction with incremental ASR cycles and longer storage time of the injected water. Based on these findings the City decided to conduct piloting for an extended duration, referred to as an ASR Demonstration Study.
- This Demonstration Study is similar to the pilot study in that infrastructure will not be improved or made permanent, and data collection objectives are established to inform a permanent facility, but differs in that the scale (i.e., the seasonal nature of injections and extractions, injection and extraction rates and seasonal volumes) matches that of a full-scale permanent operation. The demonstration study will continue to evaluate arsenic mobilization as well as other operational characteristics such as sustainable flow rates, plugging characteristics, overall well operations, etc.

Since 2014 when the Soquel Creek Water District's (SqCWD) Board of Directors declared a Groundwater Emergency due to groundwater overdraft and seawater intrusion, SqCWD has been in a Stage 3 water supply shortage. The current Stage 3 shortage calls for SqCWD customers to collectively use 25% less water than SqCWD's expected highest production of 3,900 acre-feet per year. This curtailment target equates to an efficient residential water use guideline of 50-55 gallons per capita per day (gpcd). While SqCWD groundwater production has rebounded several hundred acre-feet from the 2015 low (during the height of the statewide drought) of approximately 3,100 acre-feet, residential customers are still using water efficiently at a rate of about 55 gpcd based on a running 2021 annual average.

Fire Response and Preparedness

Following the CZU Lightning Complex Fire, the SLVWD, in conjunction the State Water Resources Control Board Division of Drinking Water (DDW), issued a Do Not Drink-Do Not Boil (DND-DNB) water notice on August 28th, 2020 as a precaution to all service areas impacted by the fire. Prior to and following the issuance of the DND-DNB notice, SLVWD crews executed a comprehensive flushing and water quality testing of over 400 samples²⁴. Inside of the DND-DNB notice area, SLVWD crews physically removed SLVWD owned service laterals connecting the water main to any structures that had burned from the water distribution system. Based on water quality test results, the DND-DNB notice was lifted on October 27th, 2020. In addition, the SLVWD developed a Long-Term VOC Monitoring Plan to track potential contamination in the distribution system in the months and years following the CZU Lightning Complex Fire. All results of the Long-Term VOC Monitoring are regularly posted on the SLVWD's website²⁵

Immediately post-fire, the SLVWD engaged multiple contractors repair critical infrastructure:

²⁴ Monitoring parameters included: Volatile Organic Compounds (VOC's), Nitrate, bacteriological samples and general physical samples.

²⁵ www.slvwd.com/water-quality/pages/long-term-voc-monitoringpost-czu-fire

- Foreman Creek diversion and pipeline to Lyon treatment plant. This allowed the treatment plant to be brought back online and resume providing treated surface water to the North system.
- Piping between Lyon tank, Little Lyon tank, and Big Steel tank. The replacement of this burned pipeline allowed the Lyon and Little Lyon tanks to be returned to service.
- Little Lyon tank was recoated, interior and exterior, to eliminate VOC contamination.
- Riverside Grove Pump Station was re-roofed to correct fire damage

The SLVWD prepared a Fire Management Plan in 2020 through partnership with Panorama Environmental INC. The plan includes mapping, road access for fire personnel and improve communications with Fire Prevention Agencies. The final plan was adopted by Board of Director's on June 3, 2021 and implementation is beginning to take place through state grant funding. In 2020/2021 the District has secured the following fuel reduction and planning grants: \$200,000 through the Coastal Conservancy's Wildfire Resilience Grant program; \$6,822.00 through CALFIRE's California Forest Improvement Program (CFIP); and \$440,000 through CALFIRE's Forest Health Grant.

Flood, Climate Change, and Emergency Preparedness

Governor Newsom signed SB 496 (Laird) on September 24, 2021, which authorizes the California Department of Water Resources (DWR) to provide 100% cost share of non-federal capital costs to critical investments in emergency preparedness. SB 496 underscores DWR's commitment to prioritize multi-benefit projects in communities where residents are economically disadvantaged. This legislation will enable communities to implement and maintain necessary and long-awaited flood risk reduction solutions.

The Santa Cruz County Flood Control and Water Conservation District continues to refine and expand County-wide stream and rain gage monitoring capability to support enhanced situational awareness and emergency response. This activity includes enhanced web-based, publicly accessible data as well as improved communication and support of the County Emergency Operations Center and Emergency Management personnel. District staff continue to maintain operation of the Automated Local Evaluation in Real Time (ALERT) flood warning system. This system has recently been expanded to include 7 additional rain gaging sites and additional online monitoring features in support of emergency response for debris flows emanating from the CZU Lightning Complex burn scar. Staff have also been highly engaged with the State WERT Team, other federal and State technical specialists, and the County Geologist in assessing debris flow hazards and working to support emergency warnings and response for debris flows.

The City of Watsonville adopted the 2030 Climate Action and Adaptation in October of this year. The plan lays out a pathway for the City to cut emissions, prepare for the impacts of climate change, and engage in ecological restoration. Strategies to reduce emissions will focus on electric vehicle adoption, building electrification, and organic waste management. The plan builds on the City's Local Hazard Mitigation Plan to develop further adaptation strategies. The ecological restoration section focuses on projects and concepts that will help to draw excess carbon from the atmosphere and return it to the soil. The plan also recognizes that significant support from the State and Federal government, along with policy changes, are necessary to achieve the level of action required to adequately address climate change. The plan was developed with input from stakeholders and community members and includes efforts to foster green job creation and community development.

The Santa Cruz County Flood Control and Water Conservation District – Zone 7 (Zone 7), Monterey County Water Resources Agency (MCWRA), City of Watsonville, County of Santa Cruz, and County of Monterey have joined together to form the Pajaro Regional Flood Management Agency—a regional Joint Powers Agency that will oversee operations and maintenance of the Pajaro River levee systems as

well as capital improvements addressing flood risk reduction in the Pajaro Valley area, including the levee reconstruction project on the Pajaro River.

The Santa Cruz County Flood Control and Water Conservation District has been awarded a Flood Emergency Response Grant from the California Department of Water Resources in the amount of \$725,467 to fund the configuration, installation, and operation of an enhanced weather monitoring system. The system will monitor real-time rainfall across the County via X-band radar and will drastically improve the predictive capability of flooding events through the provision of higher spatial and temporal resolution of inbound and overhead storm systems. Using a competitive Invitation for Bid, a contractor has now been selected to build the radar system. Initial installation of the system is expected to occur in early 2022, with the hope that operational testing of the system can be initiated in winter of 2022-23.

The Pajaro Regional Flood Management Agency (PRFMA), with the two existing non-federal project sponsors (Zone 7 and MCWRA), continue to pursue implementation of a flood risk reduction project with the Army Corps of Engineers to significantly upgrade the flood conveyance system to provide an adequate level of flood protection for the Pajaro River, Salsipuedes Creek, and Corralitos Creek. Sufficient federal funding has now been awarded (\$4.615M) to complete the Preconstruction Engineering and Design Phase for the Project, which is expected to take 2-3 years. Project sponsors are currently seeking federal investment in construction through the pending infrastructure package that leverage the Project's Natural and Nature-based Solution using setback levees and the Project's protection to disadvantaged communities in Watsonville and Pajaro.

The City of Watsonville was awarded a \$200,000 Climate Resiliency Challenge grant through the Bay Area Council Foundation to create a Green Infrastructure and Implementation Plan (GIIP). Through the GIIP, the City will look for opportunities to reduce impacts of climate change to the community by increasing water quality supply, reducing flooding, combating urban heat island effect, and improving neighborhood vitality and overall community aesthetics. The City is finalizing the priority projects and working on implementation of key concepts through the City's Ramsay Park Master Plan effort. The Green Infrastructure and Implementation Plan will be used in parallel with future City wide planning efforts in order to reduce the effects of climate change in the urban environment.

Supplemental Water Supply Projects

The County, City of Santa Cruz Water Department (SCWD), SLVWD, and Scotts Valley Water District continue to collaborate on a Memorandum of Agreement to work together on exploring conjunctive water use options in the San Lorenzo Watershed and Santa Margarita Groundwater Basin. These efforts will explore many ways to utilize excess winter surface water when available to increase groundwater storage and water supply reliability and increase dry season stream flow.

The SCWD continues to implement the Santa Cruz Water Rights project to improve the SCWD's water system flexibility while enhancing stream flows for local anadromous fisheries. The project includes changes to the SCWD's existing water rights in terms of places of use (including diversion to groundwater storage), points of diversion, and extension of time to beneficially use existing rights under existing permits. The SCWD is not proposing to increase any rate or total amount of water diverted. This project is needed to facilitate regional supply projects. Certification of the Final Environmental Impact Report will be considered by City Council at their December 14, 2021 meeting.

The SCWD is continuing the evaluation of the role that recycled water may play in a future water supply portfolio by implementing Phase 2 of the Recycled Water Study to consider alternatives that contribute to water supply: groundwater injection in the Mid-County and/or Santa Margarita groundwater basins, use for irrigation, and direct potable.

The SCWD has begun developing a water supply implementation plan for the work plan recommended by the Water Supply Advisory Committee in 2015. The plan will also be informed by a vulnerability

analysis of the water system that incorporates future uncertainties related to climate change and water supply variability in the context of the inherent water system vulnerabilities. The vulnerability assessment uses a modeling approach to simulate changes in climate and weather, river flow, and system operations. The Weather Generator is one model that provides insights into thresholds of changes in key climate parameters that impact system resiliency, and in finalizing a new operations model. This work is ongoing through the remainder of the calendar year and will inform the implementation plan in Calendar Year 2022.

In September 2020, the Scotts Valley Water District board received a final report (prepared by Kennedy Jenks Consultants), which scored and ranked three local and three regional recycled water project alternatives. Due to the recent issues and challenges at the City of Scotts Valley's Wastewater Reclamation Facility, the City commissioned Kennedy Jenks Consultants to prepare an options study for their wastewater treatment facility. The SVWD is waiting for the results of that study to help to determine the recycled water supply strategy. Meanwhile, the SVWD is having preliminary discussions with the City of Santa Cruz and Soquel Creek Water District to assess the viability of regional recycled water supply projects.

In January 2017, PV Water's Board of Directors approved an action to proceed with the implementation of water supply projects described in the stakeholder developed Basin Management Plan Update (2014) and later incorporated into GSP Alternative. The plan includes a three-part approach designed to eliminate groundwater overdraft and halt seawater intrusion: 1) conservation of water, 2) optimization of existing water supplies, and 3) development of new water supplies.

In 2021 agency staff, in collaboration with a team of engineers, environmental scientists, and other experts, continued working to engage interested parties, advance project designs, prepare environmental documentation, pursue the procurement of property rights, continue water rights permitting processes, and sought grant funding to implement the College Lake Integrated Resources Management Project (College Lake Project) and the Watsonville Slough System Managed Aquifer Recharge and Recovery Projects summarized below. Key activities included development of a revised rural alignment of the College Lake Pipeline; preparation of 100% designs for the College Lake Project water treatment plant, adjustable weir, fish passage, and pump station; preparation of the College Lake Project draft Adaptive Management Plan; the expected issuance of the College Lake Project water right permit; and the acceptance of the Struve Slough water right permit application

- i. *College Lake Integrated Resources Management Project (College Lake Project)*. When constructed this project would collect, store, treat, and deliver approximately 1,800 to 2,300 acre-feet per year (AFY) of surface water for agricultural irrigation in the coastal area.
- ii. *Watsonville Slough System Managed Aquifer Recharge and Recovery Projects*. This project has the potential to yield 2,400 AFY by diverting storm water runoff from Harkins Slough and the confluence of Struve and Watsonville Sloughs to a shallow aquifer system on the San Andreas Terrace for storage and recovery.

PV Water completed the first of a 3-Phase Recycled Water Facility Optimization Project, which received funding from the State Water Resources Control Board and the Bureau of Reclamation in late 2017, with construction of a 1.5 million gallon recycled water storage tank and distribution pump station improvements. In 2020, construction of Phase II, the Disk Filter Improvement Project, finished and was placed into service improving operational efficiency and capacity. Phase III of the project will equip a second ultraviolet (UV) disinfection light train is currently being considered and will likely proceed.

Attachment 1: Water Use in Santa Cruz County, 2021 (Data for smaller systems is from 2020)

Water Supplier	Connections	Population	Water Use acre-feet/yr	Ground water	Surface Water	Recycled Water	Imported
Santa Cruz City Water Dept.	24,589	96,168	7,914	5.0%	93.0%	2%	
Watsonville City Water Service	14,884	65,231	7,040	100.0%	0.0%		
Soquel Creek Water District	14,500	40,644	3,259	100.0%	0.0%		
San Lorenzo Valley Water District	7,900	23,700	1,961	70.0%	30.0%		
Scotts Valley Water District	3,946	10,749	1,299	83.0%		16%	1.0%
Central Water District	825	2,706	405	100.0%			
Big Basin Water Company*	482	1,120	150	100.0%			
Mount Hermon Association	494	2,850	155	100.0%			
Forest Lakes Mutual Water Company	326	1,076	42	100.0%			
Smaller Water Systems (5-199 conn.)	2,616	7,691	1,561	87.0%	6.0%		7%
Individual Users*	8,000	21,000	2,350	95.0%	5.0%		
Pajaro Agriculture (SC Co only)**†			23,750	94.0%	1.0%	5%	
Mid- & North-County Agriculture*			2,400	90.0%	10.0%		
Totals	78,562	272,935	52,286	80%	17%	3%	0.2%
Summary by Water Source (acre-feet/year)				41,973	8,637	1,524	109
Summary of Non-Agricultural Use (acre-feet/year)			26,136	17,488	8,160	337	109

*Values are Estimates

** Includes a small number of water systems

† Recycled water source is the City of Watsonville

Attachment 2: Current Water Use Restrictions and Conservation Services in Santa Cruz County

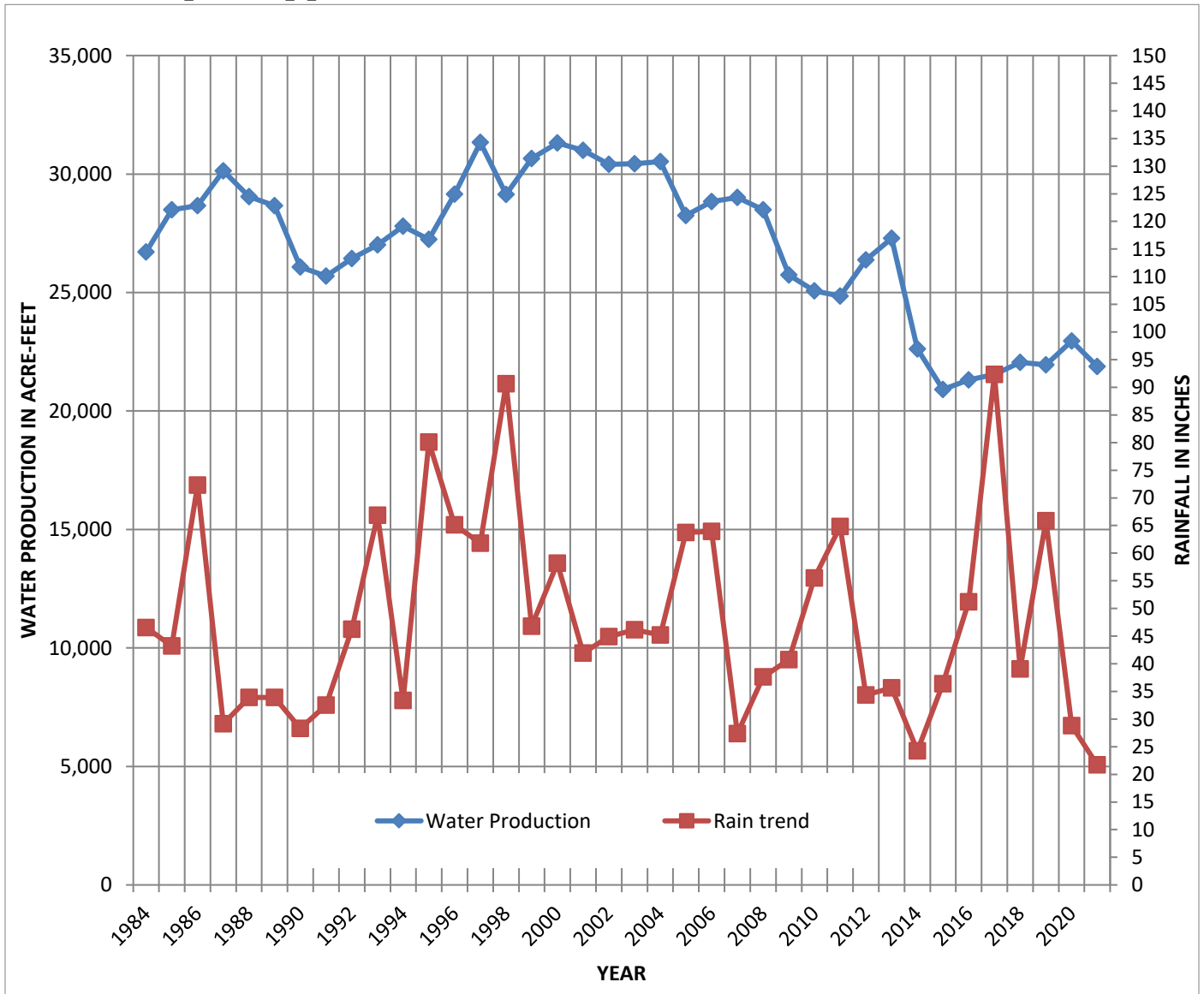
Agency	Water Source	Drought Stage (Locally Defined)	Current Restrictions	Services being Offered	Supplemental Supply Projects
City of Santa Cruz Water Department	Surface Water (95%) Ground Water (5%)	Stage 1 Water Shortage	<p>Plumbing Retrofit Program: Homes must be retrofitted with low flow fixtures at time of sale</p> <p>During a Stage 1 Water Shortage Warning, each customer class (residential, commercial, irrigation,) is provided with a monthly allotment of water. No overage fees assessed in Stage 1</p> <ul style="list-style-type: none"> Landscape Irrigation budgets reduced by 25% 	<p>Home water survey</p> <p>Free conservation devices</p> <p>WaterSmart leak notification</p> <p>Rebates</p> <ul style="list-style-type: none"> Toilet replacement Energy Star appliances Laundry to landscape Lawn replacement Rain barrels Hot water recirculation 	<p>Aquifer Storage and Recovery</p> <p>Water Exchanges with Soquel Creek Water District during high surface water flow periods</p> <p>Santa Cruz Mid-County Groundwater Agency Member</p> <p>Santa Margarita Groundwater Agency Cooperating Agency</p>
Scotts Valley Water District	Ground Water (100%)	Stage 2 Water Shortage	<p>Plumbing Retrofit Program: Homes must be retrofitted with low flow fixtures at time of sale</p> <p>Customers asked to water outdoors not more than two times a week.</p> <p>Restaurants encouraged to only serve water upon request</p> <p>Recommended that hotels give guests an option to not launder bed sheets every day.</p>	<p>Free conservation devices</p> <p>WaterSmart leak notification</p> <p>Rebates</p> <ul style="list-style-type: none"> Toilet replacement Pressure reducing valves Graywater irrigation Lawn replacement Rainwater catchment Downspout diversion Replace hardscape with permeable surfaces Weather Smart irrigation controllers High volume to rotary spray head replacement 	<p>Recycled Water facility for Irrigation</p> <p>Stormwater Capture for Groundwater Recharge</p> <p>Santa Margarita Groundwater Agency Member</p>

Agency	Water Source	Drought Stage (Locally Defined)	Current Restrictions	Services being Offered	Supplemental Supply Projects
Soquel Creek Water District	Ground Water (100%)	Stage 3 Water Shortage	<p>Efficient water use: annual average of 50-55 gallons per person, per day</p> <p>Car Washing Restriction: a waterless spray, a bucket and hose with an automatic shut-off nozzle, and/or a pressure washer. Minimize water running off the property.</p> <p>Exterior Structure Washing Restriction: No exterior washing of structures unless for sanitation and health purposes, or if preparing to paint or stain and a pressure washer is used.</p>	<p>Free conservation devices</p> <p>WaterSmart leak notification</p> <p>Grants for projects promoting conservation awareness</p> <p>Rebates</p> <ul style="list-style-type: none"> • Landscape replacement • Toilet replacement • Showerhead replacement • Washing machines • Drip irrigation retrofit • Graywater irrigation • Weather Smart irrigation controller • Rain sensors • Hot water recirculation • Pool covers • Pressure reducing valves • Rain catchment • Downspout diversion • Sub-metering 	<p>Construction of Pure Water Soquel to limit seawater intrusion</p> <p>Surface Water transfers from City of Santa Cruz</p> <p>Stormwater Capture for Groundwater Recharge</p> <p>Santa Cruz Mid-County Groundwater Agency Member</p>
San Lorenzo Valley Water District	Surface water & Ground Water (% Varies)	Stage 2 Water Shortage	<ul style="list-style-type: none"> • No watering between the hours of 10AM - 5PM. • Outdoor irrigation is permitted only 2 days a week • Do not wash down hard or paved surfaces. • Do not initially fill or refill residential swimming pools. 	<p>Free water-wise audit</p> <p>Free conservation devices</p> <p>Rebates</p> <ul style="list-style-type: none"> • Toilet replacement • High efficiency washer • Graywater irrigation 	<p>Conjunctive Use of Surface and Groundwater sources</p> <p>Santa Margarita Groundwater Agency Member</p>

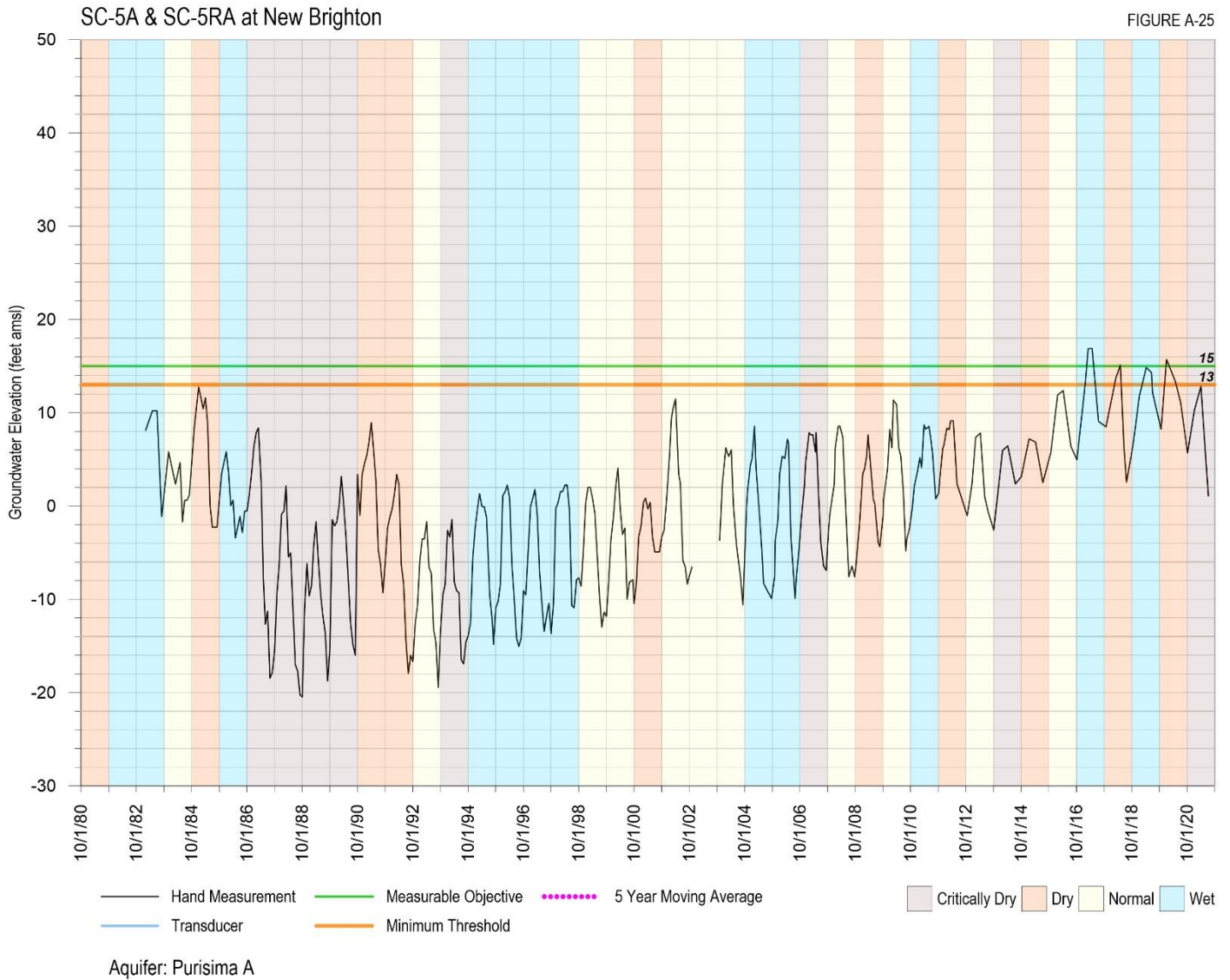
Agency	Water Source	Drought Stage (Locally Defined)	Current Restrictions	Services being Offered	Supplemental Supply Projects
			<ul style="list-style-type: none"> Shut-off nozzles are required on all hoses. 	<ul style="list-style-type: none"> Weather Smart irrigation controllers 	
City of Watsonville	<p>Surface water (10%)</p> <p>Ground Water (90%)</p>	Stage 1 Water Shortage	<p>Plumbing Retrofit Program: Homes must be retrofitted with low flow fixtures at time of sale</p>	<p>Water consultations</p> <p>Rebates</p> <ul style="list-style-type: none"> Landscape replacement Toilet replacement Washing machines 	Water source for Recycled Water Treatment Facility which provides recycled water for crop irrigation
Central Water	Ground Water (100%)	None Declared	Subject to County restrictions	<p>Rebates</p> <ul style="list-style-type: none"> Toilet replacement High efficiency washer 	Santa Cruz Mid-County Groundwater Agency member agency
Pajaro Valley Water Management Agency	Ground Water Manager	Not Applicable	Does not supply potable water, however does supply recycled water for crop irrigation.	<p>Recharge Net Metering</p> <p>Rebates</p> <ul style="list-style-type: none"> Rainwater catchment Laundry to landscape <p>Delivered recycled water for irrigation along the coast.</p>	<p>Coastal Distribution System-Pipeline Expansion Project</p> <p>College Lake Integrated Resources Management Project</p> <p>Watsonville Slough System Managed Aquifer Recharge and Recovery Projects</p>

Agency	Water Source	Drought Stage (Locally Defined)	Current Restrictions	Services being Offered	Supplemental Supply Projects
<p>County of Santa Cruz</p> <p>Regulates: Small Water Systems (5-199 connections)</p> <p>Private Well Owners</p>	<p>N/A</p>	<p>Acknowledged State of Drought Emergency</p>	<p>Plumbing Retrofit Program: Homes must be retrofitted with low flow fixtures at time of sale</p> <ul style="list-style-type: none"> • No wasteful water use • No operating ornamental fountain or cooling system that doesn't re-circulate water • Outdoor water restrictions <ul style="list-style-type: none"> ○ No hosing off hardscapes ○ No irrigation run-off ○ Shut-off nozzle required on hoses ○ Leaks must be repaired ○ Limit outside watering to 2 days per week for 15 minutes ○ No spray irrigation 10am-5pm 	<p>Well sounding</p> <p>Water quality testing</p> <p>Developing drought response program</p>	<p>Santa Cruz Mid-County Groundwater Agency Member</p> <p>Santa Margarita Groundwater Agency Member</p> <p>Stormwater Capture for Groundwater Recharge</p>

Attachment 3: Water Use Relative to Rainfall for all Major Municipal Suppliers, Combined, 1984-2021



Attachment 4: Coastal Groundwater Levels, Mid-County Basin, New Brighton area



Attachment 5: Common Acronyms

AF	Acre Foot
AFY	Acre Foot per Year
BMP	Best Management Practices
CEQA	California Environmental Quality Act
CWD	Central Water District
DMS	Data Management System
DPW	Santa Cruz County Department of Public Works
DWR	Department of Water Resources
EIR	Environmental Impact Report
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
IRWM	Integrated Regional Water Management
JPA	Joint Powers Agreement
LAFCO	Local Agency Formation Commission
LID	Low Impact Development
MGA	Santa Cruz Mid-County Groundwater Agency
MGD	Million Gallons per Day
MGY	Million Gallons per Year
O&M	Operations and Maintenance
PPB	Parts Per Billion
RCD	Resource Conservation District of Santa Cruz County
RWMF	Regional Water Management Foundation
SCWD	Santa Cruz Water Department
SGMA	Sustainable Groundwater Management Act
SLVWD	San Lorenzo Valley Water District
SMGWA	Santa Margarita Groundwater Agency
SqCWD	Soquel Creek Water District
SVWD	Scotts Valley Water District

Attachment 6: Online Resources

County Water Resources Program	http://scceh.com/Home/Programs/WaterResources.aspx
County Water Quality Map	http://scceh.com/waterquality.aspx
County Steelhead Monitoring Program	http://scceh.com/steelhead.aspx
Santa Cruz County Fire Recovery	http://www.co.santa-cruz.ca.us/FireRecovery.aspx
Central Water District	https://sites.google.com/view/centralwaterdistrict
City of Santa Cruz Water Department	https://www.cityofsantacruz.com/government/city-departments/water
City of Watsonville Public Works and Utilities	https://www.cityofwatsonville.org/590/Public-Works-Utilities
San Lorenzo Valley Water District (SLVWD)	https://www.slvwd.com/
Scotts Valley Water District (SVWD)	https://www.svwd.org/
Soquel Creek Water District (SqCWD)	https://www.soquelcreekwater.org/
Pajaro Valley Water Management Agency (PV Water)	https://www.pvwater.org/
Santa Cruz Mid-County Groundwater Agency (MGA)	https://www.midcountygroundwater.org/
Santa Margarita Groundwater Agency (SMGWA)	https://smgwa.org/
Resource Conservation District of Santa Cruz County (RCD)	http://www.rcdsantacruz.org/
Santa Cruz Integrated Regional Water Management Plan (IRWM)	http://www.santacruzirwmp.org/
Water Conservation Coalition of Santa Cruz County	https://watersavingtips.org/



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Brent Hastey

Melody A. McDonald

Randall Reed

J. Bruce Rupp

Pamela Tobin

Core Values

- People
- Service
- Integrity
- Innovation

November 03, 2021

Scotts Valley Water District (S027)
2 Civic Center Drive
Scotts Valley, CA 95066-4159

General Manager:

Each year at Fall Conference, the JPIA recognizes members that have a Loss Ratio of 20% or less in either of the Liability, Property, or Workers' Compensation programs (loss ratio = total losses / total premiums).

The members with this distinction receive the "**President's Special Recognition Award**" certificate for each Program that they qualify in.

The JPIA is extremely pleased to present Scotts Valley Water District (S027) with this special recognition and commends the District on the hard work in reducing claims.

Congratulations to you, your staff, Board, and District. Keep up the good work!

The JPIA wishes you the best in 2022.

Sincerely,

E.G. "Jerry" Gladbach
President

Enclosure: President's Special Recognition Award(s)

President's Special Recognition Award

*The President of the
ACWA JPIA
hereby gives Special Recognition to*

Scotts Valley Water District

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Liability Program for the period 10/01/2017 - 09/30/2020
announced at the Board of Directors' Meeting in Pasadena.*

E. G. "Jerry" Gladbach

E. G. "Jerry" Gladbach, President



December 15, 2021

Donna Paul

From: Scotts Valley Water District <contact@svwd.org>
Sent: Friday, January 14, 2022 10:00 AM
To: Donna Paul
Subject: UPDATED January 2022 Newsletter — GSP submitted! ✓



District shifts to monthly billing

The District has officially switched to monthly billing! Starting this month, water bills will be issued on the third week of each month. District customers are advised to consider the change when budgeting and making payments.

The monthly bill is simply half of the typical bi-monthly bill. All water agencies in the county and most other utility providers already bill their customers on a monthly cycle. Feel free to contact us if you have questions: 831-438-2363 or contact@svwd.org.



Crews restore water service in challenging conditions

Two water main breaks affected District customers in December, but crews were quick to respond with repairs. The staff's actions reflected District's core values — adaptability and collaboration — by putting the needs of customers first and working tirelessly to restore service in the affected areas as quickly and efficiently as possible.

A water main break on Dec. 13 impacted several neighborhoods in north Scotts Valley. The 8-inch water main off Canham Road happened overnight in difficult terrain. Thanks to crew members working diligently on locating the break, determining the cause and coming up with an inventive solution for the fix, service was restored to customers on Dec. 14.

The second water main break occurred on Woodlander Place on Christmas Day. District employees sprang into action to keep customers "in water" on the holiday. Not only did they give up the holiday, but they also worked through one of the worst storms of the year — it was freezing cold, rained and hailed with thunder and lightning.



Sustainable, high-quality water service requires ongoing maintenance of the water system. The District continuously invests in its infrastructure and process improvements to ensure the efficiency of its operations.

Scotts Valley rain report!

The District weather station at El Pueblo has registered a total of 22.5 inches of rain since the beginning of the water year on October 1, 2021!

The average annual rainfall in Scotts Valley is 42 inches. While we are a little over halfway there, we still have a long way to alleviate drought conditions in our region— the rainfall seems promising and we can only hope for more!



Plant of the month: Weeping Yucca



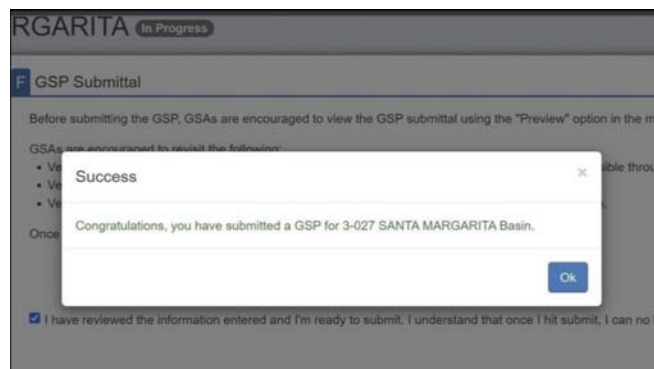
The Weeping Yucca is nothing to cry about. In fact, it's the opposite. This drought-tolerant evergreen likes lots of sun and little water, making it ideal for our hot, dry summers. Its blueish-green flat leaves bend down over time and, eventually, the entire plant spreads out to cover large sections of your yard. White and yellow bell-shaped flowers bloom in the summer.

Photo credit: [@jst.in.time](#)

SMGWA Groundwater Sustainability Plan update

Major milestone reached! The Santa Margarita Groundwater Management Agency, which the District is a member of, is excited to announce that its Groundwater Sustainability Plan has been submitted to the state Department

of Water Resources. [The plan can be viewed online](#) and will be made available to the public after some Department of Water Resources internal review on the [SMGA Groundwater Management \(SGMA\) Portal - Department of Water Resources](#).





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