CRESCENTA VALLEY WATER DISTRICT

2700 Foothill Boulevard
La Crescenta, California

Agenda for the
Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on Tuesday, June 14, 2022, at 7:00 p.m.

Posted: Thursday, June 9, 2022 at 4:30 p.m.

AUDIO & VIDEO CONFERENCING NOTICE

[This meeting will be held by audio & video conference only.]

Under AB 361 and District Resolution No. 772, the District will continue to hold Board and Committee meetings by teleconference, due to the continuing State of Emergency for COVID-19 and the ongoing imminent risks to the health or safety of the attendees from COVID-19.

Any member of the public may participate using a touchtone phone. You may select any of the following phone numbers (there are more than one for increased reliability during this time of increased phone traffic)

(669) 900-6833	**(346) 248-7799**	**(929) 205-6099**
(253) 215-8782	**(301) 715-8592**	**(312) 626-6799**

Then, enter Access Code: 863 0338 3512

Those members of the public who are able to and would like to additionally participate through computer may access the Zoom audio & video conferencing tool available at the following link:

https://us02web.zoom.us/j/86303383512

Public comment may be made either by emailing comments ahead of the meeting or by speaking over the phone. Emailed comments will be sent to the Board of Directors prior to the meeting and posted on the District's website. Comments may be sent to Christy Colby, Regulatory and Public Affairs Manager, at (818) 248-3925 or customerservice@cvwd.com by 3pm on June 14, 2022.

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by contacting the District by phone or in writing at the above email address. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

Any written materials distributed to the Board in connection with this agenda will be made available at the same time for public inspection at the District office located at the above address and posted on the District's website.

Call to Order and Determination of Quorum

Pledge of Allegiance

Adoption of Agenda

Public Comments

At this time, the public shall have an opportunity to comment on any non-agenda item relevant to the subject matter jurisdiction of the Board. This opportunity is non-transferable, and speakers are limited to one three-minute (3) comment. Under the provisions of the Brown Act, the Board is prohibited from taking action on items not listed on the agenda, except under certain circumstances.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Board Meeting on May 24, 2022.
2. Consideration and approval for continuing to hold meetings by teleconference.

Action Calendar

The public shall have an opportunity to comment on any action item as each item is considered by the Board. This opportunity is non-transferable, and speakers are limited to one two-minute (2) comment.

1. **Discussion of Drought Rates**
2. **Volunteer Coverage Under Workers' Compensation** – Consideration and motion to adopt Resolution No. 778 to cover District volunteers under workers' compensation insurance.

Information Items

Written Communications to District/Board of Directors

General Manager's Report

Attorney Report

Reports of Committees

- **Engineering Committee**
- **Finance Committee**
- **Employee Relations Committee**
- **Policy Committee**
- **Community Relations/Water Conservation Committee**
- **Emergency Planning Committee**
- **Technology Committee**

Directors' Oral Reports – Reports on issues, meetings, or activities attended by Directors.

Board Members' Request for Future Agenda Items

Closed Session

Conference with Legal Counsel – Anticipated Litigation

- Significant Exposure to Litigation Pursuant to Paragraph (2) of Subdivision (d) of Section 54956.9
- Claim of Perry Lazar against Crescenta Valley Water District, Claim for Damages, Date of Claim May 13, 2022

Conference with Legal Counsel – Existing Litigation

- Paragraph (1) of Subdivision (d) of Section 54956.9
- Name of case: Lazar, et al., vs. Pandazos, et al., Los Angeles Superior Court Case No. 21STCV19845

Conference with Labor Negotiators - §54957.6

- District negotiators: Nem Ochoa
- Unrepresented employees: Management Unit

Adjournment

g:\management\agenda\regular\21-22\06142022ra.doc

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
May 24, 2022

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District made at the Regular Meeting on May 10, 2022, an Adjourned Regular Meeting was held on May 24, 2022, at 7:00 p.m. through audio and video conference. A call-in number was clearly noted on the meeting Agenda, posted in accordance with the Brown Act, due to the COVID-19 pandemic, with President James D. Bodnar presiding.

At roll call, the following Directors and staff members were online:

Directors:	**James D. Bodnar** **Kerry D. Erickson** **Ken R. Putnam** **Sharon S. Raghavachary** **Judy L. Tejeda**
Attorney:	**Elsa Sham**
General Manager:	**Nem Ochoa**
Director of Finance & Administration:	**James Lee**
Director of Operations & Engineering:	**David Gould**
Staff Members:	**Brook Yared, Engineering Manager** **Arturo Montes, Finance & Administration Manager** **Darlene Telles, Operations & Maintenance Manager** **Kellen Boyce, System & Operations Manager** **Adam Sutphin, Analyst** **Pam Leddy, Administrative Assistant**
Public Participation:	**Frank Colcord**

PLEDGE OF ALLEGIANCE

Director Raghavachary opened the meeting by leading the Directors and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Raghavachary, seconded by Director Tejeda, and carried by a 5-0 roll call vote that the Agenda for the Adjourned Regular Meeting of May 24, 2022, be adopted as presented.

AYES: **Director Bodnar**
Director Erickson
Director Putnam
Director Raghavachary
Director Tejeda

NOES: **None**

PUBLIC COMMENTS – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Mr. Colcord stated that the Foothill Municipal Water District Board approved moving to the "Stage 3" conservation level effective June 1, 2022. Mr. Colcord shared that Governor Newsom met with local water providers to urge more aggressive water conservation throughout the State given that the 15% voluntary conservation effort has not been met. Mr. Colcord verified that the baseline year for conservation is 2021, and that CVWD is currently at an 8%-10% reduction from last year.

CONSENT CALENDAR

It was moved by Director Tejeda, seconded by Director Erickson, and carried by a 5-0 roll call vote to approve the Minutes of the Regular Board Meeting held on May 10, 2022, through audio and video conference, ratify the disbursements for April 2022 as presented and to reaffirm Resolution No. 772 to find that (1) Los Angeles County officials have imposed or recommended measures to promote social distancing; and (2) meeting in person would present imminent risks to the health and safety of attendees.

Payment of demands against the Crescenta Valley Water District on or before April 2022, the same having been approved by the General Manager, and heretofore paid, are to be ratified and approved subject to audit, in the aggregate sum of One Million, Two-Hundred Twenty-Three Thousand, Sixty-One Dollars and Four Cents (1,223,061.04), which is composed of the individual items set forth herein.

AYES: **Director Bodnar**
Director Erickson
Director Putnam
Director Raghavachary
Director Tejeda

NOES: **None**

ACTION CALENDAR

FY 2022-23 Water Fund and Wastewater Fund Budgets – Mr. Ochoa announced that staff presented the proposed FY 2022-23 Water and Wastewater Fund Budgets to the Finance Committee and the Engineering Committee. Mr. Ochoa said that as directed by the Board, the proposed FY 2022-23 water fund budget includes a reduced CIP budget from $7.5M to $5.0M and incorporates an additional 5% water conservation rate for the upcoming fiscal year. Mr. Ochoa stated that the wastewater fund for the budget as proposed will go below the target balance of $2.6 million by $133K, and that revenue stability is higher for the wastewater

fund based on revenue collected on winter water average usage and no planned significant wastewater CIP projects. Mr. Ochoa stated additional measures such as exploring drought rates or the need for bond financing would be discussed later this fiscal year as revenue projections are refined based on actual water consumption.

Following discussion:
It was moved by Director Tejeda, seconded by Director Erickson, and carried by 5-0 roll call vote to approve the District's FY 2022-23 Water and Wastewater Budgets.

AYES: **Director Bodnar**
Director Erickson
Director Putnam
Director Raghavachary
Director Tejeda

NOES: **None**

Disposal or Salvage of District Vehicles – Mr. Lee stated that at the March 15, 2022 Finance Committee meeting, the Committee directed staff to implement the proposed 6-year fleet asset management program, to realize cost efficiencies while improving operational resiliency. Mr. Lee said that based in large part on persisting supply chain issues, the current vehicle trade-in market is robust and presents a rare opportunity to trade in certain vehicles well before the end of their useful life. Mr. Lee presented a chart listing the specific description, age, purchase price, and current best offer for seven (7) vehicles. Mr. Lee indicated that five (5) new replacement vehicles will be purchased.

Following discussion:
It was moved by Director Tejeda, seconded by Director Raghavachary, and carried by 5-0 roll call vote to dispose of or salvage District vehicles in a manner most beneficial to the District per Section 12.04 of the Rules & Regulations.

AYES: **Director Bodnar**
Director Erickson
Director Putnam
Director Raghavachary
Director Tejeda

NOES: **None**

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL – None

GENERAL MANAGER – Mr. Ochoa announced that staff participated in a meeting with Metropolitan Water District (MWD) and Foothill Municipal Water District to discuss a potential option to bring Colorado River water to Los Angeles by way of an existing emergency connection between CVWD and Los Angeles.

Mr. Ochoa stated that MWD is evaluating options to repair a leak on its upper feeder, which brings Colorado River water to its Weymouth Treatment Plant, one of CVWD's two sources for treated water. Mr. Ochoa said that FMWD would notify any impacts this may have on CVWD's water supply. Director Bodnar stated that the repairs are proposed to be made in August or September. Mr. Ochoa announced that CVWD's softball team played its second game against Glendale Water and Power's team.

ATTORNEY – No report

REPORTS OF COMMITTEES

Engineering Committee – Director Erickson reported that the Committee had met on May 17, 2022. An audio/video conference meeting will be scheduled as needed.

Finance Committee – Director Bodnar reported that the Committee had met on May 19, 2022. An audio/video conference meeting will be scheduled as needed.

Employee Relations Committee – Director Erickson reported that the Committee had not met; however, an audio/video conference will be scheduled as needed.

Policy Committee – Director Putnam reported that the Committee had not met; however, an audio/video conference will be scheduled as needed.

Community Relations/Water Conservation Committee – Director Tejeda reported that the Committee had met on May 18, 2022. An audio/video conference will be scheduled as needed.

Emergency Planning Committee – Director Putnam reported that the Committee had not met; however, an audio/video conference meeting will be scheduled as needed.

Technology Committee – Director Raghavachary reported that the Committee had not met; however, an audio/video conference meeting will be scheduled as needed.

Executive Committee – Director Bodnar reported that the Committee had not met; however, an audio/video conference meeting will be scheduled as needed.

DIRECTORS' ORAL REPORTS

Director Raghavachary – No report

Director Bodnar – No report

Director Erickson – Reported that the week of May 16th, he attended the Prayer Breakfast held at the American Legion in La Crescenta and the Chamber Mixer held at the La Crescenta Women's Club.

Director Putnam – No report

Director Tejeda – No report

BOARD MEMBERS' REQUESTS FOR FUTURE AGENDA ITEMS – None

CLOSED SESSION – The Board of Directors approved the ASCME Local 1902 MOU for FY 2023-25 with a provision for non-substantive edits based on as legal counsel's recommendations.

ADJOURNMENT

There being no other business to come before the Board, at 8:03 p.m., the meeting was adjourned to June 14, 2022, at 7:00 p.m.

APPROVED

_____ _____

James D. Bodnar
President

James Lee
Director of Finance & Administration

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS – STAFF REPORT

To: Honorable President and Members of the Board of Directors

From: Thomas Bunn – General Counsel

Subject: **Approve continuation of remote meetings as described in AB 361 and make required findings**

DISCUSSION :

At the September 28, 2021 Board meeting, pursuant to AB 361, the Board of Directors adopted Resolution No. 772, which authorized the Board to continue to have remote meetings based upon the continued state of emergency for COVID-19, and made findings that (1) Los Angeles County officials have imposed or recommended measures to promote social distancing; and (2) meeting in person would present imminent risks to the health and safety of attendees. In order to continue to have remote meetings, AB 361 requires that the Board reaffirm one or both of those findings within 30 days after the first remote meeting, and every 30 days thereafter, provided that a state of emergency continues to be in place.

At the time this report was prepared, there is a continued state of emergency for COVID-19. This item is on the agenda for the Board to consider whether to reaffirm the resolution and make the required findings to continue to have remote meetings for an additional 30 days. The resolution authorizes the Board to extend the resolution by motion.

FINANCIAL CONSIDERATIONS

None.

RECOMMENDATION

The Board of Directors reaffirm Resolution No. 772 and find that (1) Los Angeles County officials have imposed or recommended measures to promote social distancing; and (2) meeting in person would present imminent risks to the health and safety of attendees.

CRESCENTA VALLEY WATER DISTRICT
BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1
June 14, 2022

To: Honorable President and Members of the Board of Directors

From: James Lee – Director of Finance and Administration

Subject: **Drought Rates**

ACTION ITEM:

Discuss drought rates.

BACKGROUND:

On May 24, 2022, the FY 2022-23 budget was approved with the recognition that droughts and their lasting impacts on revenue are expected to recur, and that there is value in either considering drought rates today or implementing a policy that prompts drought rates for future drought cycles. This was a component within a broader discussion regarding continued commitment to long-term infrastructure reliability and financial viability, including cost-efficiency measures, a scalable CIP program, and bond financing.

Mr. Sanjay Gaur of Water Resources Economics is a respected industry expert on drought rates, having assisted numerous agencies with evaluating and implementing drought rates during the last several drought cycles. Mr. Gaur will assist in initiating a discussion about drought rates, including –

- Are drought rates appropriate for the District;
- What are the considerations for implementing drought rates now as opposed to implementing a policy for future drought cycles;
- What are the various approaches to drought rates;
- What are the pros and cons of each approach.

Mr. Gaur will guide staff and the Board through this initial discussion, answer any questions, and assist in identifying next steps.

RECOMMENDATION

Discuss drought rates.

Prepared by:

Arturo Montes
Finance & Administration Manager

Submitted by:

James Lee
Director of Finance & Administration

Attachment(s): none

g:\management\board meeting staff reports\2022

CRESCENTA VALLEY WATER DISTRICT
BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
June 14, 2022

To: Honorable President and Members of the Board of Directors

From: James Lee – Director of Finance & Administration

Subject: **Resolution No. 778 – Volunteer Personnel Coverage Under Workers' Compensation**

ACTION ITEM:

Consideration and motion to adopt Resolution No. 778 to include District volunteers under workers' compensation coverage.

BACKGROUND:

Staff recently met with a representative of JPIA, the District's insurance provider, to conduct a risk assessment. As part of that assessment, JPIA provided a standard recommendation for the District to cover volunteers under workers' compensation insurance. Section 3363.5 of the California Labor Code empowers public agencies to do so.

Covering volunteers under workers' compensation poses significant benefits. Costs for workers' compensation claims are significantly lower than liability lawsuits for the same injuries or illnesses. They are also easier to control, since litigation is generally avoided. Also, providing benefits to volunteers under the "no-fault" workers' compensation system can be seen as good and proactive public relations. This resolution would complement the volunteer liability waiver form that was developed in September 2021.

Many agencies have adopted this approach, and Staff recommends that the District do so as well.

RECOMMENDATION

It is Staff's recommendation that the Board adopt Resolution No. 778.

Submitted by:

James Lee
Director of Finance & Administration

Attachment:

1. Resolution No. 778

g:\management\board meeting staff reports\2022\

Attachment

RESOLUTION NO. 778

A RESOLUTION OF THE BOARD OF DIRECTORS OF

THE CRESCENTA VALLEY WATER DISTRICT TO

PROVIDE WORKERS' COMPENSATION BENEFITS FOR PERSONS AUTHORIZED BY THE DISTRICT TO PERFORM VOLUNTEER SERVICES

WHEREAS; the Board of Directors of the Crescenta Valley Water District desires to provide workers' compensation benefits for persons authorized by the District to perform volunteer services for the District;

WHEREAS; Section 3363.5 of the California Labor Code authorizes the inclusion of such coverage in the District's workers' compensation insurance policy;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Crescenta Valley Water District hereby adopts the policy that an unpaid person authorized to perform volunteer service for the District shall be deemed to be an employee of the District for the purposes of Workers' Compensation Insurance benefits provided for by law for any injury or illness sustained by them while engage in the performance of services for the District under its direction and control.

PASSED, APPROVED AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on June 14, 2021. Resolution No. 778 was adopted by the following vote:

AYES:

NOES:

ATTEST:

President, Board of Directors
Crescenta Valley Water District

Secretary of the Board of Directors

STATE OF CALIFORNIA)
) ss.

COUNTY OF LOS ANGELES)

I, James K. Lee, Secretary to the Board of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No. 778 of the Board of Directors of Crescenta Valley Water District adopted at a Regular Meeting held on June 14, 2022 and that the same has not been amended or repealed.

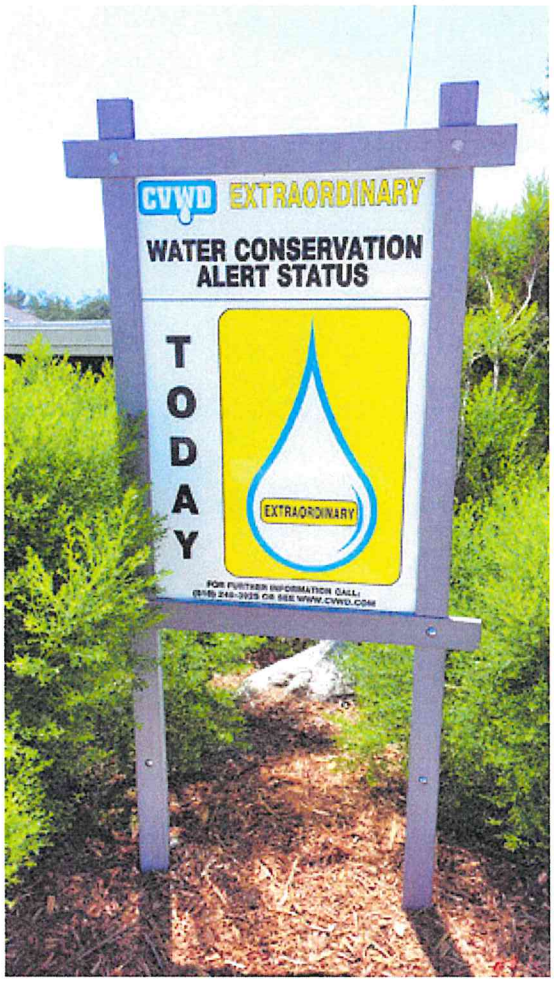
Secretary of the Board of Directors

Crescenta Valley Water District

DATED: June 14, 2022 **(S E A L)**

Water Conservation Discussed at CV Town Council Meeting

By CV Weekly on May 26, 2022 · 0 Comments



Outside the offices of the Crescenta Valley Water District on Foothill Boulevard, the water alert sign will be changing from yellow to orange on June 1. Photo by Rachelle MILLER

By Mary O'KEEFE

James Lee, the Crescenta Valley Water District director of Finance and Administration, spoke about the importance of water conservation at the CV Town Council on Thursday, May 19.

"The historic drought persists and in response the Foothill water agencies will all move in lockstep from the yellow to orange [stage]," Lee said.

At present CVWD is in a water conservation level of yellow, which is classified as “extraordinary water conservation” by the water agency. It means the Metropolitan Water District is withdrawing water from most of its storage programs to meet demands.

As of June 1, the area will transition to the orange stage, which means water supplies are limited. For water customers, this means residential and commercial landscape irrigation is limited to no more than two days per week on Tuesdays and Saturdays (the same days as Glendale Water & Power customers). Public areas owned and operated by school districts or public use area greater than 4,000 square feet are exempt.

In addition, in the orange stage the filling, refilling and adding water to indoor and outdoor pools, wading pools or spas is prohibited. There are exemptions, however, including the addition of adding water to prevent equipment failure. CVWD, though, “strongly urges that a [pool/spa] cover be used to prevent evaporation and thereby reducing frequency of refilling.”

The use of water to clean, maintain, fill or refill decorative fountains or similar structures is prohibited. Washing vehicles is restricted to using hand-held buckets with quick rinses using a hose with a positive shutoff nozzle, according to CVWD.

During this stage residents are required to fix water leaks within 48 hours.

According to Christy Colby of CVWD, construction on Los Olivos Lane between Pennsylvania Avenue and La Crescenta Avenue is underway and progress has been slower than expected due to material shortages amid the ongoing supply chain disruptions. Current work includes water service line installations. This will be followed in mid-June by “tie-ins” (connecting the new water main to the existing water main at multiple locations). During the tie-in phase, there will be short periods when water must be shut off (shut off details to follow in a later update). Affected residents will be notified prior to a water shutoff. Temporary traffic control, traffic delays and minor delays are expected to continue during working hours.

She added that this week marks two and a half months into construction on the Los Olivos Lane project which is approximately 65% complete. To date the contractor has installed 3,300 linear feet of eight-inch steel cement lined and coated pipe, 45 water services and eight fire hydrants. The construction crew is currently working on the 3000 block of Los Olivos Lane. The project is on schedule for completion in July 2022. Lastly, trenches will be temporarily paved or plated and roadways fully reopened to traffic at the end of each workday and on weekends.

Colby added that the project in the 3000 block of Alabama is on hold due to labor shortages on the contractor's side.

"We hope to kick it off by July," she said.

Lee said at the meeting that CVWD crews are working on valve replacement on Briggs Avenue.

This is the state's third year of drought and although the state has conducted educational conservation campaigns many residents and businesses in California have not taken conservation seriously, according to state data.

During the summer last year, Gov. Gavin Newsom announced a drought emergency asking residents to cut their water usage by 15%; this did not happen. In fact, water usage rose by 19% from March 2020, according to the State Water Resources Control Board.

On Monday, Gov. Newsom convened leaders from California's largest urban water suppliers and water associations imploring them to take more aggressive actions to combat drought and better engage their customers to ensure all Californians are doing their part to save water, according to a statement.

"Every water agency across the state needs to take more aggressive actions to communicate about the drought emergency and implement conservation measures," Gov. Newsom said in a statement. "Californians made significant changes since the last drought but we have seen an uptick in water use, especially as we enter the summer months. We all have to be more thoughtful about how to make every drop count."

At the beginning of this year the Glendale City Council approved the move of Glendale Water & Power to Phase III in its Water Conservation Ordinance.

"Glendale and many cities in the state that rely on water from the State Water Project are moving towards increasing their mandatory water conservation phases due to a lack of expected runoff amid the summer months," according to GWP.

Most of customers' water usage is on outside landscaping. The easiest way to conserve is to curtail outdoor watering as much as possible, according to GWP.

For Glendale customers who do not comply with Phase III of the Water Conservation Ordinance they will receive a violation warning notice. Repeat violations can result in a fine of up to $1,000.

GWP customers can anonymously report water waste by calling GWP's water waster hotline at (818) 550-4426 or submitting an online form at www.GlendaleCA.gov/ReportWaterWaste.

The City of Burbank is currently in Stage II of the Sustainable Water Use Ordinance. Stage II limits outdoor watering to three days a week – Tuesdays, Thursdays and Saturdays – from April to October. In the cooler months from November to March, outdoor watering is allowed only on Saturdays, according to the Burbank Water & Power.

Outdoor watering is allowed before 9 a.m. or after 6 p.m., up to 15 minutes per irrigation station. In addition, attended hand watering is allowed any day and any time.

Customers of Crescenta Valley Water District and GWP have historically responded positively when asked to conserve. The average use of residential gallons per capita per day (R-GPCD) from February 2021 to March 2022 for CVWD customers was an average of 93.72; Glendale customers used 78.32; Pasadena 100.65; Burbank 103.20; Rubio 166.37; Lincoln 101.79; and Valley 270.30.

Water Conservation Discussed at CV Town Council Meeting added by **CV Weekly** *on May 26, 2022*

Weather in the Foothills

By CV Weekly on June 2, 2022 · 0 Comments

On May 31, Crescenta Valley Water District representatives James Lee, (left), director of Finance and Administration, and David Rawlings, customer service representative, changed the water conservation alert status from yellow to orange, indicating water supplies are limited. For customers this means residential and commercial landscape irrigation is limited to no more than two days per week: Tuesdays and Saturdays.

In addition, in the orange stage the filling, refilling or addition of water to indoor and outdoor pools, wading pools or spas is prohibited. There are exemptions that include adding water for the prevention of equipment failure; however, CVWD "strongly urges that a [pool/spa] cover be used to prevent evaporation and thereby reducing frequency of refilling."

The use of water to clean, maintain, fill or refill decorative fountains or similar structures is prohibited. Washing vehicles is restricted to using a hand-held bucket and employing quick rinses using a hose with a positive shut-off nozzle, according to CVWD.

During this stage residents are required to fix water leaks within 48 hours.

Looking ahead, today (Thursday) and Friday are expected to be in the 80s and mostly clear and sunny. Winds will be headed our way starting tonight through Friday morning around 5-10 mph coming from the east/northeast during the day and turning south in the early mornings. Friday winds could gust as high as 20 mph.

Friday evening will head us into cooler temps through the weekend with highs in the upper 70s during the day and lows of 57 at night. Expect patchy fog early mornings.

Monday will have us back up in the low 80s with mostly clear and sunny skies.

Rachelle Miller and Mary O'Keefe pulled together this weather report.

Weather in the Foothills added by **CV Weekly** *on June 2, 2022*
View all posts by CV Weekly →

Higher Water Conservation Level Adopted

By CV Weekly on June 9, 2022 · 0 Comments

Foothill Municipal Water District's board increased its drought conservation level to orange, which means two days a week watering for customers effective June 1. Based on the unprecedented drought and local groundwater levels, the board decided it is appropriate to further limit watering and conserve water in storage for future use. Most of Foothill's retail agencies are already at two-day a week watering or are planning to follow suit. Customers should check with their retail provider for days of the week watering for their area.

"Metropolitan Water District of Southern California took the extraordinary step of adopting an Emergency Water Conservation Program for its State Water Project only dependent areas. Although Metropolitan has planned for droughts and stored water for such eventualities, climate change has surpassed its planning efforts," said Foothill Municipal Water District Board President Richard Atwater. "Metropolitan is now modifying its distribution system to help those areas severely impacted by this drought. It will also be reviewing, through its Integrated Resources Planning efforts, more ways to support Southern California against the impacts of droughts."

"Foothill's area has three sources of water: the State Water Project, the Colorado River and groundwater through the Raymond and Verdugo Basins so we do not fall under the newly adopted Emergency Program. However, we need to be aware that all sources of our water are impacted by drought and be efficient with our water use," said Foothill General Manager Nina Jazmadarian.

Even though there were storms in October and December 2021, January, thru March 2022 were the driest on record. Because of that, the State Water Project reduced the amount of water it can deliver to Southern California from 15% of entitlement to 5% of entitlement. As a result, the Metropolitan board adopted the Emergency Water Conservation Program for areas that can only

receive State Water Project. This Program will impact more than six million people, who will be at health and safety levels for water usage. Customers will be limited in the amount of water they can use or limited to one-day a week watering. If that conservation is not enough, watering lawns will be eliminated.

On the Colorado River, although there is enough for now because of the amount of storage that exists on the River's system, a 20-year drought has had significant impacts and California could be facing reduced deliveries in the next two years. Already, because of the drought, power generation is being impacted as releases from Glen Canyon Dam are curtailed.

On the local level, the Raymond Basin and Verdugo Basin water levels are at historic lows. Wells designed to pump a certain amount per day are no longer able to do so because of the drop in groundwater.

"With the District's three sources of water impacted by drought, it is important that we conserve to stretch water stored in reservoirs should the drought continue into next year," said President Atwater.

Metropolitan Water District of Southern California offers rebates to residential customers for the purchase of water conserving devices such as premium high efficiency toilets, high efficiency clothes washers, leak-detection devices and weather-based irrigation controllers.

"Converting to devices that use less water is an easy way to conserve water," said Foothill General Manager Nina Jazmadarian.

Be sure to visit BeWaterWise.com and FMWD.com for water conservation rebates.

Foothill Municipal Water District provides imported water to Crescenta Valley Water District, La Cañada Irrigation District, Liberty Utilities (formerly Mesa Crest Water Company), Valley Water Company, Lincoln Avenue Water Company, Las Flores Water Company and Rubio Cañon Land & Water Association. Kinneloa Irrigation District, another retail agency, takes no water from Foothill.

CRESCENTA VALLEY WATER DISTRICT

General Manager Report

GM Report

To: Honorable President and Members of the Board of Directors June 14, 2022

From: Nem Ochoa, General Manager

Subject: **General Manager Report**

General Managers Report Topics:

- GM Activities

The following are some highlights in this month's report:

- Strategic Plan Update
- CVWD Infrastructure Project Completion Announcements
- MWD Upper Feeder Repairs
- Water Conservation and Public Outreach Update
- Maintenance & Operations Dashboard
- Water Production, Hydrology, Engineering Projects

STAFFING

Two (2) employees have a work anniversary in June. Dave Gould – 25 years, Jake Whittaker – 7 years

As of June 9th the District has gone 149 days without a lost time accident.

GENERAL MANAGER ACTIVITIES

Meetings:

Water Supply Development Meeting	- June 1st
GM meeting with FMWD	- June 8th
Management Staff Meetings	- June 6th, June 13th

Submitted by:

_____

Nem Ochoa
General Manager

CRESCENTA VALLEY WATER DISTRICT
BOARD OF DIRECTORS - STAFF REPORT

June 14, 2022
Staff Report

To: Honorable President and Members of the Board of Directors

From: Christy J. Colby

Subject: **Water Conservation and Public Outreach Update**

Monitoring Report Submitted to State for May 2022:

Production Numbers

Total Water Production May 2022:	339.7 AF
Total Water Production May 2013:	399.4 AF
Total Water Production May 2021:	369.5 AF
Total Water Production May 2020:	385.1 AF

Compliance Reporting

Days of outdoor Irrigation Allowed:	2
Number of Water Waste Complaints:	23
Number of Follow-ups:	23
Number of Warnings:	0
Number of Penalties:	0

Voluntary Water Reduction Goal, 20% from 2020 Usage

Percent Reduction from 2013	14.9%
Percent Reduction from 2021	8.1%
Percent Reduction from 2020	11.8%

Public Outreach for May 2022

- Face Book Posts, 1
  - Orange Alert
- CV Weekly
  - 1 Article and 1 ad for the Orange Alert
- Website
  - 4,101 website Visits, a 33% increase over last month
  - Most popular day, June 3, 2022
- Constant Contact
  - Going to Orange email blast – 51% open rate
- Everbridge
  - 1 message, Emergency Shutoff for Los Olivos

Field Maintenance and Operations Report
May 2022

0 Water Main Repairs

20 Water Service
10 Repairs/ 10 Replacements

4 After Hours Leaks/Repairs

9,072 Sewer Maintenance
Cleaned: 4,859', Inspected: 4,213', Reports:21

- **Operations Report**
  * Edmund II Reservoir: Annual Service & Maintenance
  * Pickens Canyon Tunnel: Chlorinators service/rebuilt
  * Booster Pump Maintenance: Edmund II
- **Electrical/Telemetry**
  * E-939
    - Wells 5 & 11 – programmed and installed Allen Bradley RTUs
  * La Granada Lift Station
    - Integration build with Apex

Wastewater

* Lift Station visits: 4 (De-rag pumps, check valves & add degreaser)

Field Maintenance and Operations Report
May 2022

Days without a lost-time incident: 140

234 Water Quality Samples

87 Valves
Replacements: 1, Exercised: 86

1 Fire Hydrant Maintenance
0 Rebuild, 0 Replaced, 1 installed

31 Water Meter Replacement
¾”: 22, 1”: 8, 1.5: 1, 2”: 0, 3”: 0, 4”: 0

- **Training/Cross Training**
  - * AWWA Motor Maintenance & Motor Controls
    - * Raymond D.
    - * Wayne B.
  - * Royal Industrial Summit
    - * Kellen B.
    - * Raymond D.
- **New Certification**
  - * None to report
- **Safety**
  - * Glenwood Plant
    - - Heat Illness Prevention

Engineering Report

June 14, 2022
Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – Director of Engineering & Operations
Subject: **Engineering Report – May 2022**

---

1. Water Production Report

- May 1 – 31 – Water production – 55%/45% split – 110.9 MG for the month
- Average use 12.4% less than 2021 and 3.0% less than 5-yr average

2. Rainfall Update

- 0.00" for May 2022
- Rainfall Total for Rainfall Year 2021/22 – 16.68"

3. Report on Engineering

- **FY 21/22 Capital Improvement Projects**
  - Ramsdell Mixing Station/Pressure Reducing Station - Under Review
  - FY 21/22 – Pipeline Replacement Program
    - Project 1 – 2800 to 3100 Blocks of Los Olivos
      - Installed 3,400 LF of 8-inch water main
      - Installed 87 water service laterals
      - Completion Date – July 22, 2022
    - Project 2 – 4700 & 4800 Blocks of Cheryl – Tentative Start Date July 5, 2022.
  - Edmund #2 Reservoir Rehabilitation – Completed & Back in Service
  - SCADA System Upgrades – Under Design & Installation
  - Wastewater Master Plan – Working on Data Request
  - Well 9 Rehabilitation – No Report
  - Booster Pump 26 at Cresta Heights Rehabilitation – No Report
  - SCADA Radio Communications Network – No Report
  - Conversion to Chloramination – No Report
- **FY 20/21 Capital Improvement Projects**
  - Emergency Generator at Sewer Lift Station
    - New Project Start Date – September 2022
- **Grant Program**
  - Local Hazard Mitigation Plan – Approved by FEMA
    - Cal OES - New emergency generators and seismic feasibility grant - submitted 4/8/22
  - USBR Small-Scale Water Efficiency Grant 2022 – 1-½-inch Meters submitted on 4/28/22
  - USBR Small-Scale Water Efficiency Grant 2020 - 3" & 4" Meters - Started in May 2022
  - USBR WaterSmart Grant 2022 – CVWD project was not selected. USBR selected 22 projects out of 131 projects; 6 projects selected in CA (See Attached). Met with USBR on Project, low water savings. Plan to re-submit for 2023 by July 28, 2022.
  - Stormwater Capture Project at Crescenta Valley County Park – No Report

- **AMI Customer Engagement Portal**
  - Completed Phase 1 of software integration
  - Phase 2 – Finalizing layout for customer engagement portal

4. Developer Projects

- D-21-G2 – Completion date – June 24, 2022
- 2341 Mira Vista – New 4 Units – Reconciliation and Transfer of Ownership
- 4360 Ocean View – 3 Units upgraded to 7 units – Plan Check
- 2201 Honolulu – New 4" water main – Contractor Experience Review
- Waiting on Developer
  - 3037/3043 Foothill – New 38 Units and mixed commercial
  - 1961 Waltonia – New 6 units
  - 4521 Briggs/2413 Foothill – New 70 units
  - 3900 Park Place – New 28 units
  - 2345 Mira Vista – New 4 units

5. FMWD – Construction – Re-coating La Crescenta Reservoirs

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

May 1 - May 31, 2022

Well Production:	54,873,500	Gals		
GWP Production:	4,772,000	Gals		
Gravity Production:	1,256,820	Gals	% GW	55%
FMWD:	50,066,318	Gals		
City of Glendale:	0	Gals	% Import	45%
TOTAL:	110,968,638	Gals		
	340.55	ac-ft		
Glenwood Nitrate Water Reclamation Plant:*	0	*Included in Well Production		

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
May 1 - May 31, 2022	3,452,058	
May 1 - May 31, 2021	3,938,631	-12.4%
5-yr Average - April 2017 - 2021	3,557,850	-3.0%

RAINFALL: May 1 - May 31, 2022 0.00"

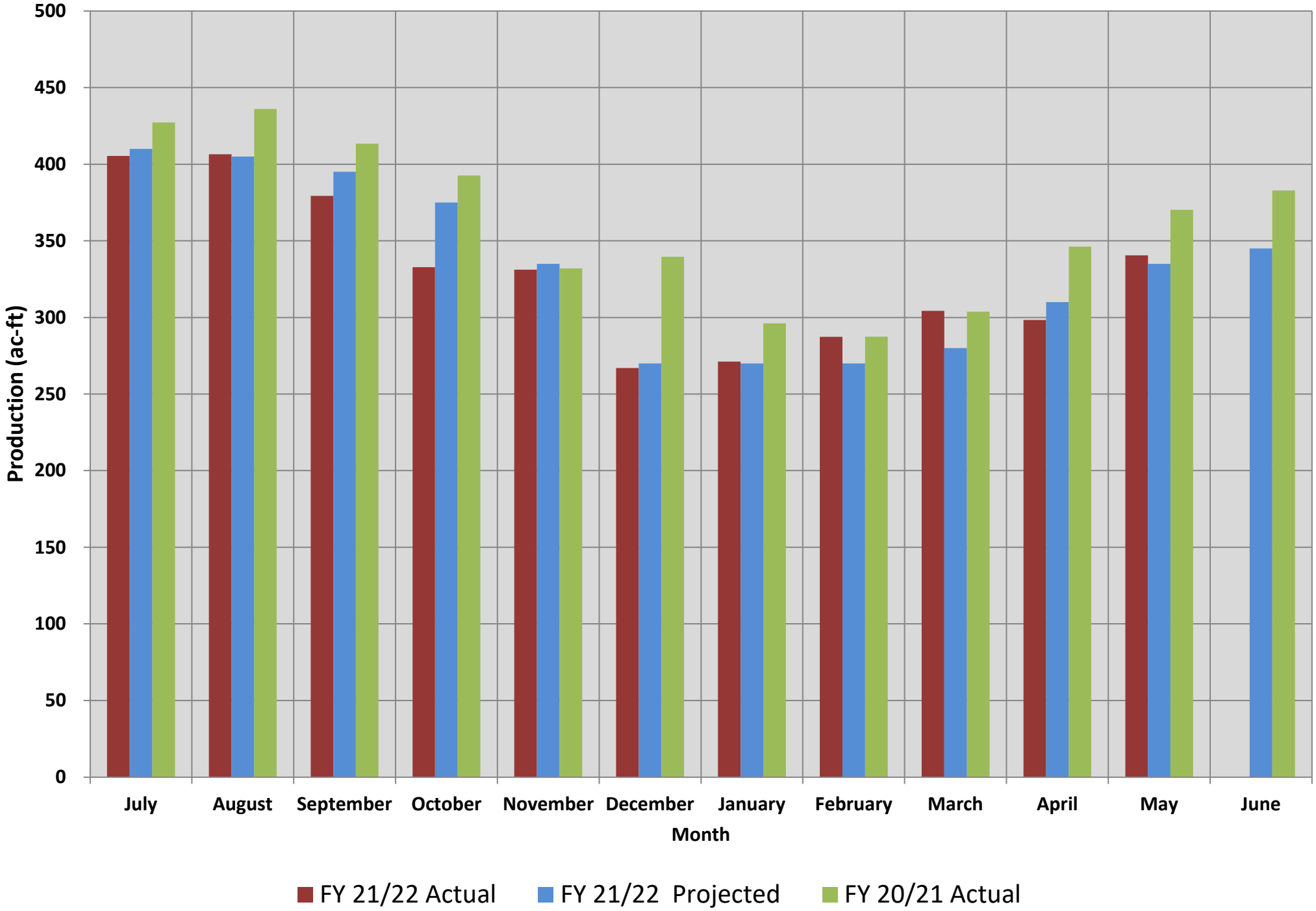
Season-To-Date: 16.68"

2021/22 Fiscal Year Water Production			WY 21/22 - Groundwater Production Water Rights		GWP (Well 16) Water Production - 2022		Purchased Water Production Tier 2 Allocation 2022	
Month	**Actual Total Water Production (ac-ft)**	**Projected Total Water Production (ac-ft)**	**Month**	**Month**	**Month**	**Well Production (ac-ft)**	**Month**	**Imported Water Production (ac-ft)**
July	**405**	**410**	**October**	**162**	**January**	**16**	**January**	**101**
August	**406**	**405**	**November**	**159**	**February**	**13**	**February**	**122**
September	**379**	**395**	**December**	**149**	**March**	**15**	**March**	**121**
October	**333**	**375**	**January**	**154**	**April**	**15**	**April**	**120**
November	**331**	**335**	**February**	**152**	**May**	**15**	**May**	**154**
December	**267**	**270**	**March**	**168**	**June**		**June**	
January	**271**	**270**	**April**	**164**	**July**		**July**	
February	**287**	**270**	**May**	**172**	**August**		**August**	
March	**304**	**280**	**June**		**September**		**September**	
April	**298**	**310**	**July**		**October**		**October**	
May	**341**	**335**	**August**		**November**		**November**	
June		**345**	**September**		**December**		**December**	
Total to Date	3,624	3,655	Total to Date	1,281	Total to Date	73	Total to Date	618
Projected	3,969	4,000	Water Rights	3,294			Tier 2	2,154
% of Projected	90.6%	91.4%	% of Rights	39%			% of Allocation	29%
Remaining	376	345	Remaining	2,013			Remaining	1,536

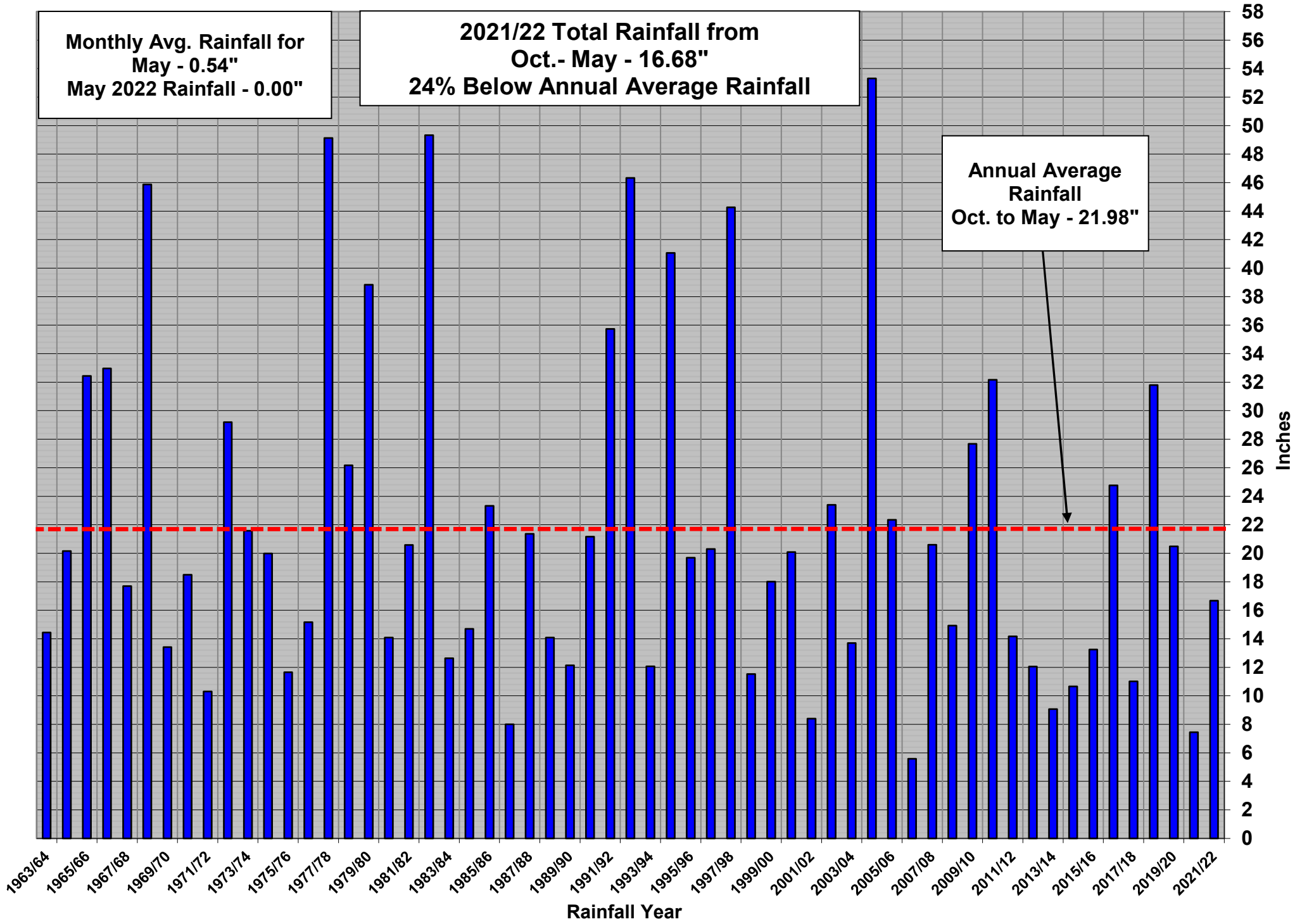
NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Water Production:
FY 21/22 Actual, FY 21/22 Projected & FY 20/21 Actual



Monthly Rainfall - 1963/64 - 2021/22 (Oct.- May)



Revised Date: 6/6/2022

BUREAU OF RECLAMATION

FY 2022 WaterSMART Water and Energy Efficiency Grants

California

Bard Water District, Lining of the Mohave Canal

Reclamation Funding: $484,340, Total Project Cost: $968,680

The Bard Water District, located in southern California near the Arizona border, will line a 1/2 mile section of the currently earthen upper Mohave Canal with concrete. The project is expected to result in annual water savings of 498 acre-feet, which is currently lost to seepage, evapotranspiration, and operational losses. Conserved water will remain in the Lower Colorado River System and can be used by other water users during drought years and in times of shortage, including the Quechan Indian Reservation. The project will also allow farmers to continue to work with the Natural Resources Conservation Service's Environmental Quality Incentives Program to improve irrigation systems.

City of Fresno, City of Fresno Smart Irrigation Timers Direct Install Project

Reclamation Funding: $379,390, Total Project Cost: $843,651

The City of Fresno, located in central California, will purchase, install, and program 1,500 smart irrigation timers for its residential customers. Installation and programming of the timers will be free to participating residents, making the program more widely available for the City's low income and disadvantaged communities. The free direct install program is expected to result in annual water savings of 360 acre-feet, which will assist in stabilizing or increasing groundwater levels in the historically overdrawn North Kings Subbasin and alleviating pressure on Central Valley Project water and the San Joaquin River.

Moulton Niguel Water District, Moulton Niguel Water District Low Resolution Meter Replacement Project (Phase I)

Reclamation Funding: $444,490 Total Project Cost: $987,758

The Moulton Niguel Water District, located in southern California, will upgrade 2,800 existing potable water meters to advanced metering infrastructure smart meters. The existing meters do not currently detect low flows and are not compatible with the new advanced metering infrastructure radio systems. The project is expected to result in annual water savings of 1,843 acre-feet by detecting low flow leaks and providing real-time access to individual water usage data. The District is entirely dependent on imported sources for its potable water supply and water savings from the project will help provide a more secure water supply, particularly in times of drought.

Otay Water District, Advanced Metering Infrastructure Upgrade and Customer Engagement Project (Phase I)

Reclamation Funding: $234,645 **Total Project Cost: $469,290**

The Otay Water District, located near San Diego, will implement Phase I of an advanced metering infrastructure (AMI) project, which includes installing network hardware, upgrading meter data management software, installing AMI-compatible meter box lids, and firmware upgrades to 24,000 existing AMI-capable meters. The District will also implement a web-based platform for customers to track their water use efficiency and compare it with the usage of other District customers. The project is expected to save 1,719 acre-feet of water annually, primarily through quicker identification of leaks and breaks in the system and an overall reduction of water use. The District currently imports 100% of its water from either the San Francisco Bay/Sacramento and San Joaquin River Delta, or the Colorado River, and water conserved from this project will help reduce demands on imported water.

City of Santa Ana, Generation of Solar Power at Garthe and West Pump Station Facilities Project (Funding Group I)

Reclamation Funding: $500,000 **Total Project Cost: $2,935,408**

The City of Santa Ana, located in southern California, will install solar energy systems at two of the City's water storage reservoirs. The two solar photovoltaic sites have a total capacity of 730 kilowatts and will provide renewable energy to reduce the amount of electricity the city currently uses to deliver water to its customers. The on-site renewable energy systems will help offset the City's electrical load, lower electric bills, and reduce greenhouse gas emissions, providing the City with improved energy sustainability and resiliency to climate change.

City of Santa Cruz, City of Santa Cruz Advanced Metering Infrastructure Replacement Project

Reclamation Funding: $500,000 **Total Project Cost: $6,429,290**

The City of Santa Cruz, located on the coast in central California, will install 15,050 advanced metering infrastructure (AMI) meters and endpoints throughout its service area for residential, business, industrial, and municipal customers as part of a system-wide effort to consolidate the City's meter reading system into a single AMI platform. The project is expected to result in annual water savings of 556 acre-feet by providing customers with detailed usage and leak detection information. The conversion to AMI meters will enable the City to reduce surface water diversions and offset groundwater pumping in summer months and critical dry years, reduce treatment, and reduce vehicle miles driven for meter reading each year.

West Basin Municipal Water District, Residential and Commercial Grass Replacement Program

Reclamation Funding: $385,000 **Total Project Cost: $1,145,342**

The West Basin Municipal Water District, located near Los Angeles, California, will implement a voluntary turf replacement incentive program for residential and commercial properties across the District's service area. Through the project, the District expects to convert a minimum of 200 sites to water efficient landscaping, equating to approximately 300,000 square feet of turf replacement. The project is expected to result in annual water savings of 40 acre-feet, which will reduce the need for

imported water taken from the Colorado River. Conserved water will remain in storage reservoirs for longer periods of time and help mitigate drought.

Idaho

Enterprize Canal Company, Conveyance Improvement Project
Reclamation Funding: $1,966,514 Total Project Cost: $3,933,028

The Enterprize Canal Company, located in eastern Idaho, will convert 10,458 feet of open unlined canal to a 48-inch high-density polyethylene pipeline and install solar-powered automated headgates and measurement devices along the same section of canal. The project is expected to result in annual water savings of 7,267 acre-feet by reducing seepage losses from the area's highly porous soil. Conserved water will allow the Company to reduce surface water diversions from the Snake River, which will increase the amount of natural flow water available to downstream water users. As a participating member in the Water District's water rental pool, water conserved by the Company will be made available for redistribution to other rental pool water needs, including addressing shortages for other renal pool participants during periods of drought and flow augmentation to maintain minimum stream flows throughout the Columbia River Basin and the Snake River during migration season for federally-listed salmon and steelhead.

Henry's Fork Foundation, Conant Creek Canal Lining, Head Gate Remote Control, and Flow Meters
Reclamation Funding: $1,122,902 Total Project Cost: $2,245,804

The Henry's Fork Foundation will partner with the Conant Creek Canal Company and the Fremont-Madison Irrigation District to improve efficiency and precision of delivery to water users in east-central Idaho. The project involves lining a 5.7-mile reach of currently unlined canal with high-density polyethylene liner, changing the point of diversion, and establishing a Supervisory Control and Data Acquisition and Automation system on the diversion gates and spill location. The project is expected to result in annual water savings of 2,850 acre-feet currently lost to seepage. A portion of the water conserved will be used as a buffer to avoid interruptions in irrigation supply in water short years, and the remainder will stay in Conant Creek. The conserved water will increase flows in Conant Creek and Fall River during the irrigation season, and the increased flows during the summer will help reduce solar loading, effectively decreasing water temperatures in these reaches. Additionally, water conserved will increase storage water in Island Park Reservoir in the late summer and early fall, which will help support the health of the reservoir and provide a supply of cool, oxygenated water to the reach of the Henry's Fork below Island Park Dam, as well as thermal refuge for cold-water aquatic species within the reservoir.

Kansas

Kansas Bostwick Irrigation District, Automation of the Lower Courtland Canal
Reclamation Funding: $344,250 Total Project Cost: $702,553

The Kansas Bostwick Irrigation District, located in northern Kansas, will install automatic water measurement and control equipment at four lateral headings, two main-canal regulating structures,

and the outflow of Lovewell Reservoir. In addition, the project includes installation of measurement only sites at 17 tailwater outflow structures on laterals, sublaterals, and the Lower Courtland Canal outlet from Lovewell Reservoir. The project is expected to result in annual water savings of 2,700 acre-feet, which is currently lost to operational spills. The reduction in tailwater spills from the Lower Courtland Canal system will result in less water released from Lovewell Reservoir, which in turn will result in less diversion from the Republican River and ultimately more water stored in the upstream Harlan Reservoir. The project will contribute to the District's ongoing efforts to operate on a reduced water supply in order to address conflict and litigation caused by groundwater depletion and overuse of the Republican River Basin. The District's reduced diversion volumes from the Republican River will also increase flows available to downstream tributaries on the Republican River to benefit species, including the endangered Topeka Shiner minnow.

Montana

Fort Shaw Irrigation District, Fort Shaw Irrigation District Irrigation Water Efficiency and Management Project

Reclamation Funding: $199,500 **Total Project Cost: $399,558**

The Fort Shaw Irrigation District, located north of Helena, will convert an open unlined canal to 7,700 feet of polyvinyl chloride pipe, with 8 monitoring units, 6 precast flumes, and two electronic flow monitoring units, along with new software to better track water use throughout the District. The project is expected to result in annual water savings of 5,725 acre-feet, which is currently lost to seepage, evaporation, and operational inefficiencies. The conserved water will allow the District to reduce its diversion from the Sun River, which will improve fish habitat and water temperatures during summer months. The project has support from multiple stakeholders, including the Sun River Watershed Group.

Savage Irrigation District, Pumping Plant Rehabilitation Project

Reclamation Funding: $207,256 **Total Project Cost: $422,971**

The Savage Irrigation District, located in eastern Montana, will upgrade its primary pumping plant by replacing an obsolete 300 horsepower pump with a new primary pump, motor, and switchgear with new higher efficiency components, install a variable frequency drive on the pump to allow more flexibility in pumping, and install a remote monitoring and control system. The upgraded pump station is expected to be 95% more efficient, saving at least 86,325 kilowatt-hours per year, and resulting in annual water savings of 3,380 acre-feet that is currently lost to inefficiencies and poorly timed deliveries related to manual operation of the pumping plant. The conserved water will used to avoid the need for water rationing during times of drought and will otherwise be left in the Yellowstone River. Additional river flows during the spring and fall months will facilitate the use of a new diversion bypass to promote Pallid Sturgeon spawning and recovery.

Nebraska

Lower Republican Natural Resources District, Irrigation Water Conservation Using Remote Meter Reading Technology

Reclamation Funding: $2,000,000 Total Project Cost: $4,360,858

The Lower Republican Natural Resources District, located in southern Nebraska, will install near real-time telemetry equipment on 1,057 irrigation flow meters and other water management sensors for improved on-farm water management and reporting. Eight solar-powered weather stations with telemetry will be installed across the District to collect evapotranspiration data that will be broadcast to all irrigators in the project area to inform irrigation scheduling. Currently, groundwater that is overapplied for irrigation is lost to deep percolation from the crop root zone and runoff. The project is expected to result in water savings of 4,110 acre-feet annually by making seasonal timing of irrigation water application closer to the needs of the crops and by improving water application efficiency. Groundwater that is conserved as a result of this project will remain in the local aquifer to maintain groundwater levels for future irrigation events and improve discharge for baseflow in the Republican River, which is designated fully-appropriated by the Nebraska Department of Natural Resources. The availability of real-time water use data to the District will also improve management of water on a basin-wide scale and contribute to the District's responsibilities related to the Interstate Compact on the Republican River between Colorado, Kansas, and Nebraska.

Nevada

Southern Nevada Water Authority, Water Smart Landscapes Rebate Program

Reclamation Funding: $2,000,000 Total Project Cost: $32,000,000

The Southern Nevada Water Authority in Las Vegas, Nevada, will expand its landscape rebate program, which provides a financial incentive for residential property owners to replace turf with water efficient landscaping. The project is expected to result in the replacement of approximately 11,985,019 square feet of turf to water-efficient landscaping (xeriscape), with an expected annual water savings of 2,022 acre-feet. The extended drought in the Colorado River Basin has resulted in significant declines at major system reservoirs, including Lake Mead. Colorado River water saved as a result of this project will be stored in Lake Mead, benefitting species that rely on the reservoir and river, including the federally endangered bonytail chub and razorback sucker. Unused Colorado River resources will also contribute toward interstate banking efforts, thereby improving the ability to respond to shortages and freeing up resources for times of emergency. A reduction in outdoor water use and urban runoff will also improve the area’s water quality and aquatic ecosystem. Xeric gardens also benefit species by improving habitat for birds, reptiles, and pollinators, whereas turfgrass provides little or no habitat benefit to wild species.

Oklahoma

City of Norman / Norman Utilities Authority, Norman Utilities Authority Advanced Metering Infrastructure Implementation Project (Funding Group I)

Reclamation Funding: $500,000 **Total Project Cost: $15,440,527**

The City of Norman will replace 40,973 existing water meters, the majority of which are manual read meters, with advanced metering infrastructure (AMI) meters. The project also includes an AMI network, Meter Data Management System software, and a customer portal to provide customers with near real-time water use data. The project is expected to result in annual water savings of 1,981 acre-feet, which will improve the City's resiliency in times of drought and will help maintain water levels in the Lake Thunderbird watershed, Garber Wellington Aquifer, Oklahoma City surface reservoirs, and the Canadian River.

Texas

Donna Irrigation District, Lining of The East Main Canal and North Crossover Main Canal

Reclamation Funding: $1,975,000 **Total Project Cost: $3,950,000**

The Donna Irrigation District, located in southern Texas, will line 12,255 feet of the currently concrete lined East Main Canal and 10,050 linear feet of the currently concrete lined North Crossover Main Canal with a geosynthetic composite canal liner protected with four inches of shotcrete. The project is expected to result in annual water savings of 4,620 acre-feet by reducing seepage losses. The District will also install 2 solar monitoring stations at the District's First Lift Pump Station and Second Lift Pump Station to provide a more efficient, real-time, detection of problems to aid in minimizing loss of water resources. The conserved water will remain in the Falcon and Amistad Reservoirs for eventual allocation to other users in the Rio Grande System, alleviating pressure on the over-allocated water resource shared with Mexico.

El Paso County Water Improvement District No. 1, Advanced Flow Measurement Improvements Project

Reclamation Funding: $200,000 **Total Project Cost: $421,740**

The El Paso County Water Improvement District No. 1, located in El Paso County, Texas, will install 17 solar powered Supervisory Control and Data Acquisition and 5G cellular telemetry units. The solar telemetry installations will improve the District's ability to manage Rio Grande Project water and reduce end-of-system water waste and operational losses, which is expected to result in annual water savings of 1,143 acre-feet. As water use demand is met by a more efficient conveyance system, the District can better manage its allocation of Rio Grande Project water and allow more storage in Elephant Butte and Caballo Reservoirs to accumulate and provide critical water in drought years when unmet water demands are highest. Rio Grande Project water conserved through the project will benefit all water users served by the District, including the Rio Bosque Wetlands and the Yselta del Sur Pueblo.

Utah

Duchesne County Water Conservancy District, Class K2 Operation Improvement Project
Reclamation Funding: $500,000 Total Project Cost: $1,100,000

The Duchesne County Water Conservancy District, located in northeast Utah, will modify the K2 pipeline to connect with the Browns Draw Reservoir and create a closed, pressurized delivery system. The project includes a series of pressure reducing valves on the Class K2 pipeline and modifications to the Browns Draw Reservoir outlet pipe to connect directly to the Class K2 pipeline, which will eliminate two open-ended spill points. The closed pipeline system is expected to result in annual water savings of 944 acre-feet by avoiding operational spills in an area that experiences regular water shortages due to drought and population growth. The project will improve system efficiency and flexibility, help avoid interruptions in service, and result in more steady reservoir levels and less water diverted from the upstream Yellowstone River. As a tributary of the Green River, more efficient use of water diverted from the Yellowstone River via exchange with Moon Lake and Lake Fork River will benefit the area's threatened and endangered species, as well as the Ute Tribe who uses approximately 75% of the system river flows.

The City of Highland, Highland City Irrigation Meter Installation
Reclamation Funding: $2,000,000 Total Project Cost: $6,600,000

The City of Highland, located in northern Utah, will install 4,253 advanced metering infrastructure (AMI) meters on currently unmetered pressurized irrigation connections and retrofit 250 existing meters with AMI capabilities for its residential, commercial, and institutional customers. The project is expected to result in 2,100 acre-feet of water savings annually through early leak detection and usage-based billing. Reduced water use and a corresponding reduction in intake to the pressurized irrigation system will result in extracting less groundwater from the local aquifer and reducing diversions from the American Fork River and Provo River. By using less surface and groundwater during the irrigation season, the project will improve ecological resiliency and also allow for greater operational flexibility, especially during periods of drought.

Uintah Water Conservancy District, Uinta River Bifurcation Structure
Reclamation Funding: $750,000 Total Project Cost: $1,572,750

The Uintah Water Conservancy District, located in northeastern Utah, will make improvements to the Uinta River Bifurcation Structure. The bifurcation structure is designed to regulate flows in the Uinta River to maintain sufficient water in the east channel for diversion during the irrigation season and to provide storage water in the west channel during the winter months. The District will remove the existing structure and replace it with a new structure with automated gates, telemetry, and flow measurement capabilities and will install a second supplemental structure at an upstream location. The project is expected to result in annual water savings of 3,800 acre- feet through improved control of flows in the river and increased accuracy of water deliveries. Greater efficiency and accuracy of irrigation water delivery will minimize over-deliveries, improve the consistency of deliveries for Ute Tribe irrigated land, and allow for more water to remain in the Uinta River. The tandem structures will also increase the length of river that receives water, which will protect and preserve critical habitat for the endangered Ute Ladies Tresses orchid.

Washington

Quincy-Columbia Basin Irrigation District, West Canal Concrete Lining Project
Reclamation Funding: $300,000 Total Project Cost: $750,000

The Quincy-Columbia Basin Irrigation District, located in central Washington, will line 2,500 feet of the earthen West Canal with a high-density polyethylene geotextile liner. The project advances the goals of a Memorandum of Understanding (MOU) between the three Columbia Basin Project irrigation districts, the Washington State Department of Ecology, the Washington State Department of Fish and Wildlife, and the Bureau of Reclamation to address regional water reliability concerns including drought, groundwater issues, and improved stream flows to assist salmon recovery. The project is expected to result in annual water savings of 849 acre-feet that is currently lost to seepage. The water conserved will be used to meet actions identified in the MOU, including offsetting groundwater pumping and maintaining flows in the Columbia River.

Wyoming

Lovell Irrigation District, Moncur Lateral Rehabilitation Project (Phase II)
Reclamation Funding: $400,000 Total Project Cost: $1,445,740

The Lovell Irrigation District, located in northern Wyoming, will convert a section of open earthen canal to 11,067 feet of buried pressurized polyvinyl chloride pipe. The project is expected to result in annual water savings of 1,663 acre-feet by reducing seepage, evaporation, and evapotranspiration losses. Conserved water will be used primarily to increase the reliability of the water supply and to reduce curtailments for downstream users during shortage periods. The pressurized pipe system will also enable farmers working along the lateral to apply for Natural Resources Conservation Service program funding to convert to more efficient sprinkler systems.