

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 8, 2021 at 7:00 p.m.**

Posted: Thursday, June 3, 2021 at 4:30 p.m.

AUDIO & VIDEO CONFERENCING NOTICE

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

Pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 18, 2020, the public may not attend the meeting in person.

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: 845 4624 0714

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/84546240714>

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 8, 2021.

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.

Community Advisory Committee

1. Placeholder for the Community Advisory Committee to report input on budgets, rates, bonds, and other items.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Board Meeting on May 25, 2021.

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 & Adoption of Water Shortage Contingency Plan (WSCP) which replaces Resolution 681, 682 and Appendix G of the District's Rules and Regulations**
2. **Adoption of Salary Schedules** – Consideration and motion to adopt annual salary schedules for FY 2021-22 as required by CalPERS.
3. **Budget Schedule & Proposition 218 Process** – Placeholder for discussion and possible action for schedule, timing, and other considerations related to completing the budget and Proposition 218 process, including the Water and Wastewater Rate Study.

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) or (3) of subdivision(d) of Section 54956.9:
One case.

Public Employee Appointment

(Gove. Code Section 54957) – extension of contract:

Title: General Manager

Action Item

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. **GM Contract** – Discussion and possible action on extension of General Manager contract.

Adjournment

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CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS

May 25, 2021

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District made at the Regular Meeting on May 11, 2021, an Adjourned Regular Meeting was held on May 25, 2021, 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 Sharon S. Raghavachary presiding.

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

Directors: Sharon S. Raghavachary
James D. Bodnar
Kerry D. Erickson
Ken R. Putnam
Judy L. Tejeda

Attorney: Thomas Bunn

General Manager: Nem Ochoa

Director of Finance & Administration: James Lee

Director of Engineering: David Gould

Staff Members: Brook Yared, Engineering Manager
Arturo Montes, Finance & Administration Manager
Christy Colby, Regulatory & Public Affairs Manager
Wendy Holloway, Customer Service Manager
Alex Sandoval, Construction Supervisor
Tessa Allmon, Customer Service Representative
Pam Leddy, Administrative Assistant

Guests: None

Public Participation: Frank Colcord
Marilyn Tyler
Shelley Powsner

PLEDGE OF ALLEGIANCE

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

ADOPTION OF AGENDA

It was moved by Director Tejeda, seconded by Director Bodnar, and carried by a 5-0 roll call vote that the Agenda for the Adjourned Regular Meeting of May 25, 2021 be adopted as presented.

AYES: Director Raghavachary
Director Bodnar

Director Erickson
Director Putnam
Director Tejada

NOES: None

PUBLIC COMMENTS – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – No report

COMMUNITY ADVISORY COMMITTEE REPORT – Ms. Tyler reported that the members of the Committee have provided their individual viewpoints on the proposed water and wastewater rate increases and the three-year rate schedule. Ms. Tyler stated that Ms. Colby will present a report of the viewpoints and opinions received from the committee members at the June 8, 2021, Board meeting.

CONSENT CALENDAR

It was moved by Director Tejada, 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 11, 2021, through audio and video conference and to ratify the disbursements for April 2021 as presented.

Payment of demands against the Crescenta Valley Water District on or before April 2021, 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 Nine-Hundred Eighty-Three Thousand, Nine Hundred Three Dollars and Forty-Four Cents (983,903.44), which is composed of the individual items set forth herein.

AYES: Director Raghavachary
Director Bodnar
Director Erickson
Director Putnam
Director Tejada

NOES: None

ACTION CALENDAR

Professional Engineering Services for the Design of a New Pressure Reducing Station & Rehabilitation of the Ramsdell Mixing Station, Project E-977 – Mr. Yared reported that CVWD has been operating a break point chlorination station at the corner of Mayfield Ave. and Ramsdell Ave. where CVWD mixes local groundwater with imported water from Foothill Municipal Water District (FMWD). Mr. Yared stressed that this site has experienced high levels of corrosion inside the vault and that the station has not been able to be properly maintained. Mr. Yared stated that a second Pressure Reducing Station and isolation valve at the intersection of Mayfield Ave. and Ramsdell Ave. has been designed by the Engineering Department to allow the removal of the Ramsdell Mixing Station (RMS) from service to make the necessary repairs. Mr. Yared noted that the selected consultant would be responsible to review the

existing design and make the recommendation to enhance the mixing operations, extend the life of the station and expand the existing vault and lid to accommodate for maintenance inside of the vault in the future. Phase 1 of the project would include the installation of the new Pressure Reducing Valve (PRV) to ensure there is enough flow provided to CVWD's Zone 1 and to maintain normal operations during the removal of the RMS during Phase 2 of the project.

Following discussion:

It was moved by Director Bodnar, seconded by Director Raghavachary, and carried by 5-0 roll call vote to authorize the General Manager to enter into an agreement with Cannon Corporation to provide professional engineering services for said project at a cost of \$89,868 and establish a contingency amount of \$8,987 (10% of contract) to cover the cost of unforeseen or additional work and to find said project exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301 of the CEQA Guidelines.

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

NOES: **None**

FY 2021-22 Water & Wastewater Budgets – Mr. Lee stated that a new, three-year rate schedule is projected for an October 1 implementation based on timing for the cost-of-service study and Prop. 218 process. Mr. Lee provided “placeholder” water and wastewater budgets incorporating 0 percent increases to bridge the July 1 to October 1 timeframe. Mr. Lee added that the water and wastewater budgets presented include a contribution in the current fiscal year to the District's OPEB fund and finalized wastewater revenue projections as directed by the Board. Mr. Lee presented supplemental Wastewater Fund information as had been directed by the Board.

Following discussion:

It was moved by Director Raghavachary, seconded by Director Bodnar, and carried by 5-0 roll call vote to approve the District's FY 2021-22 Interim Water & Wastewater Fund budgets.

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

NOES: **None**

Budget Schedule & Proposition 218 Process – Mr. Montes presented the FY 2021/22 CVWD Meeting Schedule relating to the completion of the budget and the Proposition 218 process, including the Water and

Wastewater Rate Study. Mr. Lee stated that a decision has not been made to alter the implementation date of the Water & Wastewater rates and recommended that 3-year schedules, which run parallel for both the water and wastewater budget, remain in effect.

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL – No report

GENERAL MANAGER – Mr. Ochoa encouraged the Directors to attend a Time Capsule Event scheduled to take place at the Glenwood Plant on July 14, 2021. Mr. Ochoa welcomed members of the Board and staff to contribute items to be contained in the time capsule to be buried at the Glenwood plant commemorating a very unique time in our lives due to the COVID pandemic. Mr. Ochoa announced that June 15th will mark the lifting of many restrictions due to the pandemic, and that the annual Pancake Breakfast will be a timely celebration to be held on June 16th at the Glenwood plant. Mr. Lee provided highlights of the Finance, Administration and Public Outreach Dashboard for the month of April, noting that the revenues and expenses for both the water and wastewater fund remain at the favorable levels that have been projected during the fiscal year.

ATTORNEY – Mr. Bunn echoed that most of the restrictions that have been in place due to the pandemic may be lifted on June 15, 2021. Mr. Bunn further explained that the District will track and updates to the State of Emergency executive order under which Board and Committee meetings currently operate.

REPORTS OF PERSONNEL – None

REPORTS OF COMMITTEES

Engineering Committee – Director Raghavachary reported that the Committee had met on May 18, 2021. An audio/video conference meeting is scheduled for June 15, 2021.

Finance Committee – Director Raghavachary reported that the Committee had met on May 12, 2021. An audio/video conference meeting will be scheduled as needed.

Employee Relations Committee – Director Bodnar 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 met on May 12, 2021. An audio/video conference will be scheduled as needed.

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

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

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

Executive Committee – Director Raghavachary 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 – No report

Director Putnam – No report

Director Tejeda – No report

BOARD MEMBERS' REQUESTS FOR FUTURE AGENDA ITEMS – Director Bodnar requested additional wastewater education including information from staff regarding communication to the public.

CLOSED SESSION – No reportable items

ADJOURNMENT

There being no other business to come before the Board, at 9:05 p.m., the meeting was adjourned to June 8, 2021, at 7:00 p.m.

APPROVED

Sharon S. Raghavachary
President

James Lee
Director of Finance & Administration

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1
June 8, 2021

To: Honorable President and Members of the Board of Directors
From: Christy Colby – Regulatory and Public Affairs Manager
Subject: **Resolution 767 and Adoption of CWVD's Water Shortage Contingency Plan**

ACTION ITEM:

Discussion and Adoption of the Water Shortage Contingency Plan (WSCP) which replaces Resolution 681, 682 and Appendix G of the District's Rules and regulations.

BACKGROUND:

As part of the 2020 Urban Water Management Plan (UWMP) requirements, CVWD prepared a Water Shortage Contingency Plan (WSCP). The WSCP is a requirement of the California Urban Water Management Planning Act Water Code Section 10632 and directs water suppliers to prepare a long-term resource planning to ensure that adequate water supplies are available for today and tomorrow. A water shortage contingency analysis was required in previous UWMPs by former laws has been replaced by a WSCP that includes new elements, such as revising the original five (5) standard water shortage levels with six (6) new standard water shortage levels (CWC § 10632, SB 606, 2018, AB 1414, 2019) as described below.

- (A) *Six standard water shortage levels corresponding to progressive ranges of up to 10, 20, 30, 40, and 50 percent shortages and greater than 50 percent shortage. Urban water suppliers shall define these shortage levels based on the suppliers' water supply conditions, including percentage reductions in water supply, changes in groundwater levels, changes in surface elevation or level of subsidence, or other changes in hydrological or other local conditions indicative of the water supply available for use.*

DISCUSSION:

The District's current WSCP plan contains five (5) phases and are defined by a color-coded system. The existing WSCP is coordinated to be consistent with FMWD as well as the other west side water agencies. The District met with FMWD to come up with a uniform solution to meet the new regulatory requirement.

The following changes (outlined in purple) were purposed to be made to the existing system:

1. A new level was created, defined as Critical and assigned the color **purple**.
2. The percentage shortage levels were redefined to accommodate the newest tier level.
3. The naming of the blue and orange tier were modified to be consistency with FMWD.

Stage No.	Water Supply Conditions	% Shortage
Phase 1 - Color Code "Blue" – Normal Standard Water Conservation Alert	FMWD can meet all Member Agency demands. Voluntary water conservation applies.	Up to 10%
Phase 2 - Color Code "Green" – Increased Voluntary Water Conservation Alert	Some supplies have been impacted, and customers should increase efforts to conserve.	10% to 20%

Phase 3 - Color Code "Yellow" – Extraordinary Water Conservation Alert	MWD is withdrawing water from most of its storage programs to meet demands. Extraordinary conservation is called for from customers.	20% to 30%
Phase 4 - Color Code "Orange" – Rationing Allocation Water Conservation Alert	MWD has implemented its allocation plan to its member agencies. Thus, supplies are limited.	30% to 40%
Phase 5 - Color Code "Red" – Critical Water Conservation Alert	Water supplies are reduced drastically.	40% to 50%
Phase 6 - Color Code "Purple" – Emergency Water Conservation Alert	Water supplies are only available for health and safety needs.	Greater than 50%

The action levels for the modified phases also required updates to support the additional purple level as shown below:

1. Red alert – Replaced outdoor water to one (1) day per week.
2. Purple alert – Added No outdoor water use.
3. Purple alert – Added that customers need to fix onsite leaks within 24-hours.

Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
Hose washing of sidewalks, walkways, driveways, or parking areas, tennis courts, patios, porches, or other paved areas shall not be permitted. Exception: Flammable or other dangerous substances may be disposed of by direct hose flushing by public safety officers for the benefit of public health and safety. Businesses or schools required to hose down public eating areas will be provided with access to a water broom.	Phase 1 - Color Code "Blue"
Use of water for any purpose which results in overspray, excessive runoff onto hardscapes, driveways, streets, adjacent lands or into gutters shall not be permitted.	Phase 1 - Color Code "Blue"
Water used to clean, fill, or maintain levels in decorative fountains or similar structures must be part of a recirculation system.	Phase 1 - Color Code "Blue"
Leaks from any facility both inside and outside of a customer's premises must be repaired within seventy-two hours after the customer is notified of or discovers the leak. Failure to affect the repair of any leak shall subject said customer to all penalties provided herein for waste of water.	Phase 1 - Color Code "Blue"
No watering, sprinkling, or irrigating shall take place between the hours of nine a.m. (9:00AM) and five p.m. (5:00PM) in any landscaped or vegetated areas, including, but not limited to, golf courses, parks, cemeteries, and school areas landscaped with, but not limited to, grass, lawn, groundcover, shrubbery, annual and perennial plants, crops, trees, and California-friendly plantings. With the exception of drip irrigation systems or weather-based	Phase 1 - Color Code "Blue"

irrigation controllers, residential timers shall not run for more than a total of 10 minutes per station.	
Hand watering of non-turf areas is allowed using a hose with a positive shut-off nozzle or watering can within the allowable times as specified above.	Phase 1 - Color Code "Blue"
No watering, sprinkling, or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray. No irrigation or watering of turf or ornamental-landscapes during and 48 hours following measurable precipitation.	Phase 1 - Color Code "Blue"
The washing of commercial and non-commercial privately owned automobiles, trucks, trailers, motorhomes, boats, buses, airplanes, and other types of vehicles is restricted to use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle. Exceptions: the use of wash water which is on the immediate premises of a commercial car wash or commercial service station; where health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles which transport food and perishables.	Phase 1 - Color Code "Blue"
Owners of outdoor swimming pools, wading pools or spas, when these are not in use, are requested to use covers to minimize the evaporation of water.	Phase 1 - Color Code "Blue"
Water for construction purposes including but not limited to de-brushing of vacant land, compaction of fills and pads, trench backfill, and other construction uses, shall be used in an efficient manner which will not result in runoff.	Phase 1 - Color Code "Blue"
The use of potable water from fire hydrants shall be limited to firefighting related activities or other activities immediately necessary to maintain the health, safety, and welfare of the residents of the city.	Phase 1 - Color Code "Blue"
No restaurant, hotel, café, cafeteria, or other public place where food is sold, served or offered for sale, shall serve drinking water to any customer unless expressly requested by a customer.	Phase 1 - Color Code "Blue"
Hotels, motels, and other commercial lodging establishments are requested to post notices informing their guests about CVWD's water conservation policy and urging guests to conserve water. Water conservation notices will be provided by CVWD.	Phase 1 - Color Code "Blue"
Hotels, motels, and other commercial lodgings are requested to post notices giving their guests the option of not laundering towels and linens daily.	Phase 1 - Color Code "Blue"
Where applicable, restaurants must utilize water conserving nozzles.	Phase 1 - Color Code "Blue"
Watering Days: Odd/Even assigned days	Phase 2 - Color Code "Green"
Watering Days: Tuesday, Thursday, Saturday	Phase 3 - Color Code "Yellow"

Residential and commercial landscape irrigation is limited to no more than two (2) days per week on Tuesday and Saturday. Exempt are public areas owned or operated by School Districts or public use areas greater than 4,000 square feet.	Phase 4 - Color Code "Orange"
The filling, or adding of water to indoor and outdoor pools, wading pools, or spas is prohibited. Exemptions: Commercial Repairs mandated by the Federal Virginia Graeme Baker adding water for the prevention of equipment failure is permissible, however, the District strongly urges that a cover be used to prevent evaporation and thereby reducing the frequency of refilling.	Phase 4 - Color Code "Orange"
The use of water to clean, maintain, fill, or refill decorative fountains or similar structures is prohibited. Exemptions: Adding water for the prevention of equipment failure is permissible.	Phase 4 - Color Code "Orange"
Vehicle washing is restricted to the use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle.	Phase 4 - Color Code "Orange"
Fix leaks within 48 hours.	Phase 4 - Color Code "Orange"
1 day limit per week year-round irrigation.	Phase 5 - Color Code "Red"
All outdoor water use is prohibited.	Phase 6 - Color Code "Purple"
Fix any leaks within 24 hours.	Phase 6 - Color Code "Purple"

RECOMMENDATION

The WSCP is a required element of the District's 2020 Urban Water Management Plan scheduled for Public Hearing on June 22, 2021. The WSCP encompasses updated text from Resolution 681,682, and Appendix G of the district Rules and Regulations. Staff recommends the Board's adoption of Resolution 767, the Water Shortage Contingency plan.

Prepared by & submitted by:



Christy J. Colby
Regulatory and public Affairs Manager

Attachment(s):

1. Resolution 767
2. Water Shortage Contingency Plan
3. Resolution 681
4. Resolution 682
5. CVWD Rules & Regulations - Appendix G

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RESOLUTION NO. 767

**RESOLUTION OF THE BOARD OF DIRECTORS OF
CRESCENTA VALLEY WATER DISTRICT
ADOPTING A WATER SHORTAG CONTINGENCY PLAN**

WHEREAS, the Crescenta Valley Water District was established for the purpose of providing adequate and reliable potable water to its inhabitants at a reasonable cost; and

WHEREAS, the groundwater supply in the Verdugo Basin is utilized as the primary source of water for District customers; and

WHEREAS, consecutive years of below normal precipitation in the watersheds of the Verdugo Basin can severely reduce the groundwater production capacity in the Verdugo Basin and hence the water supply available to the District; and

WHEREAS, the District's imported water supply connections with the Foothill Municipal Water District, which provides a supplemental source of water for District customers, are limited in size and capacity and are being subjected to increased demands; and

WHEREAS, the District's imported water supply may be subject to a reduced water allotment from the Foothill Municipal Water District should the Metropolitan Water District of Southern California put into effect their approved allocation plan; and

WHEREAS, conservation of water by District customers will help relieve the problems caused by the shortage in supply and the increase in energy costs; and

WHEREAS, the District, through its public information program, should advise and alert its customers to the serious nature of any drought situation and the need for a reduction in demand by customers; and

WHEREAS, the Water Shortage Contingency Plan which is required for inclusion in a Department of Water Resources (DWR) compliant 2020 UWMP; and

WHEREAS, based on the DWR requirements included in the DWR 2020 UWMP Guidebook, describes water supply shortage condition caused by drought or loss of water supply wells, the Board of Directors of the Crescenta Valley Water District hereby approves a six (6) level WSCP that enables the Board of Directors to declare that a water shortage condition or emergency prevails within the water service area of the Crescenta Valley Water District should be reduced by up to 50% or more with effective response measures; and

WHEREAS, the District has the power and authority, under Section 375 of the California Water Code, to adopt water conservation measures for activities within its service area; and

WHEREAS, given the current conditions, the District finds it necessary and beneficial to undertake a phased water conservation program; and

NOW, THEREFORE, BE IT RESOLVED, that the Crescenta Valley Water District Board of Directors Adopts Resolution 767, Water Shortage Contingency Plan

BE IT FURTHER RESOLVED, that the Crescenta Valley Water District finds that a program of voluntary measures to reduce consumption will assist in achieving the goal of conserving the water supply without causing unnecessary adverse economic consequences.

PASSED, APPROVED, AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on June 8, 2021, Resolution No. 767 was adopted by the following vote:

AYES:

NOES:

None

ABSENT:

None

ATTEST:

**President, Board of Directors
Crescenta Valley Water District**

Secretary of the Board of Directors

STATE OF CALIFORNIA)
)
COUNTY OF LOS ANGELES) ss.

I, JAMES LEE, Secretary of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy Resolution No. 767 of the Board of Directors of Crescenta Valley Water District adopted at a Regular Meeting held on June 8, 2021 and that the same has not been amended or repealed.

**Secretary of the Board of Directors of
Crescenta Valley Water District**

DATED: June 8 ,2021

(S E A L)

An aerial photograph showing a large, deep blue reservoir in the foreground, surrounded by dry, brownish-yellow hills and sparse vegetation. The reservoir has several smaller inlets and a small island in the middle. The background shows more rolling hills under a clear sky.

During times of severe drought or catastrophic supply interruptions, CVWD will implement its phased Water Conservation Program. CVWD's efforts are dependent on MWD's regional efforts, which call for reductions in water use and greater utilization of storage reservoirs.

SECTION 1: WATER SHORTAGE CONTINGENCY PLAN

SECTION 1

WATER SHORTAGE CONTINGENCY PLAN

1.1 OVERVIEW

Water supplies may be interrupted or reduced significantly in a number of ways, including droughts, earthquakes, and power outages, which hinder a water agency's ability to effectively deliver water. The ability to manage water supplies in times of drought or other emergencies is an important part of water resources management for a community.

Recent water supply challenges throughout the American Southwest and the State of California have resulted in the development of a number of policy actions that water agencies would implement in the event of a water shortage. In Southern California, the development of such policies has occurred at both the wholesale and retail level. This section addresses elements related to the urban water supplier's Water Shortage Contingency Plan describing new and existing policies that MWD, FMWD, and CVWD have in place to respond to water supply shortages, including a catastrophic interruption and greater than a 50 percent reduction in water supply.

1.2 WATER SUPPLY RELIABILITY ANALYSIS

1.2.1 WATER SERVICE RELIABILITY ASSESSMENT

Southern California is expected to experience an increase in regional demands in the years 2025 through 2045 as a result of population growth. Although increases in demand are expected, future demands are effectively limited due to the requirements of SBx7-7. It can be reasonably expected that the majority of agencies have met or were near their compliance targets for 2020 and will continue to meet, or will soon meet, their per-capita usage limit in the future.

The data in the MWD 2020 UWMP shows supply reliability projections for average and single dry years and is important to effectively project and analyze supply and demand over the next 25 years for many regional agencies. Projected supplies during single and multiple dry year scenarios indicate MWD's projected supply will exceed its projected single dry year demands in all years. Likewise, for average years, MWD supply exceeds projected demands for all years.

Due to the semi-arid nature of CVWD's climate and as a result of past drought conditions, CVWD is vulnerable to water shortages due to its climatic environment and seasonally hot summer months. **Section 3** of the UWMP describes the water availability during single and multiple dry year scenarios. **Tables 1.1, 1.2, and 1.3** summarize the supply and demand comparisons during normal, single-dry year, and multiple dry year, respectively. As shown, CVWD is capable of providing a reliable supply of water to meet the future demands.

Table 1.1: Normal Year Supply & Demand Comparison (AF) (DWR Table 7-2 R)

	2025	2030	2035	2040	2045
Supply totals	5,748	5,748	5,748	5,748	5,748
Demand totals	3,979	4,041	4,105	4,170	4,236
Difference	1,769	1,707	1,643	1,578	1,512

Table 1.2: Single Dry Year Supply & Demand Comparison (AF) (DWR Table 7-3 R)

	2025	2030	2035	2040	2045
Supply totals	5,748	5,748	5,748	5,748	5,748
Demand totals	4,412	4,481	4,552	4,624	4,697
Difference	1,336	1,267	1,196	1,124	1,051

Table 1.3: Multiple Dry Year Supply & Demand Comparison (AF) (DWR Table 7-4 R)

		2025	2030	2035	2040	2045
First year	Supply totals	5,748	5,748	5,748	5,748	5,748
	Demand totals	4,531	4,603	4,676	4,749	4,824
	Difference	1,217	1,145	1,072	999	924
Second year	Supply totals	5,748	5,748	5,748	5,748	5,748
	Demand totals	4,781	4,857	4,933	5,011	5,090
	Difference	967	891	815	737	658
Third year	Supply totals	5,748	5,748	5,748	5,748	5,748
	Demand totals	4,836	4,912	4,989	5,068	5,148
	Difference	912	836	759	680	600
Fourth year	Supply totals	5,748	5,748	5,748	5,748	5,748
	Demand totals	4,565	4,637	4,710	4,785	4,860
	Difference	1,183	1,111	1,038	963	888
Fifth year	Supply totals	5,748	5,748	5,748	5,748	5,748
	Demand totals	3,789	3,849	3,910	3,972	4,034
	Difference	1,959	1,899	1,838	1,776	1,714

1.2.2 FIVE-YEAR DROUGHT RISK ASSESSMENT

During a five-year drought, CVWD may import water to meet demands in excess of its adjudicated pumping right of 3,294 AFY as necessary. Imported water supplies, like groundwater, are subject to demand increases and reduced supplies during dry years; however, MWD modeling in its 2020 UWMP, as referenced in **Tables 3.8** and **3.9** in **Section 3**, results in 100 percent reliability for full-service demands through the year 2045 for all climatic conditions. Based on the conditions described above, CVWD anticipates the ability to meet water demand for all climatic conditions for the near future.

New to the 2020 UWMP is the Drought Risk Assessment (DRA) over a 5-year period examining the reliability of CVWD's water supplies. **Table 5.4** shows the results of the analysis. The analysis was done utilizing DWR's DRA Planning Tool to determine supply and demand projections, and to analyze CVWD's vulnerability to droughts. The tool also allows water purveyors to utilize potential water usage saving or supply augmentation methods to mitigate supply shortfalls. These water usages saving methods (restrictions) are further discussed in the WSCP. As shown, CVWD is capable to meet the projected demands based on the estimated water supplies during drought conditions without the need for WSCP stage implementation and supply augmentation.

Table 1.4: Five-Year Drought Risk Assessment (AF) (DWR Table 7-5)

	2021	2022	2023	2024	2025
Total Water Use	3,929	3,942	3,954	3,966	3,979
Total Supplies	5,741	5,745	5,748	5,748	5,748
Surplus/Shortfall w/o WSCP Action	1,812	1,803	1,794	1,782	1,769
Planned WSCP Actions (Use Reduction and Supply Augmentation)					
Supply Augmentation Benefit from WSCP Response	0	0	0	0	0
Use Reduction Savings Benefit from WSCP Response	0	0	0	0	0
Revised Surplus/Shortfall	1,812	1,803	1,794	1,782	1,769
Resulting % Use Reduction from WSCP Action	0%	0%	0%	0%	0%

Response to a future drought would follow the water use efficiency mandates of CVWD's Water Conservation Program along with implementation of the appropriate stage of regional plans, such as MWD's Water Surplus Drought Management (WSDM) Plan as described later in this section.

1.3 ANNUAL WATER SUPPLY AND DEMAND ASSESSMENT PROCEDURES

Under CWC Section 10632(a)(2), beginning by July 1, 2022, each urban water supplier is required to prepare their annual water supply and demand assessment (Annual Assessment) and submit an Annual Water Shortage Assessment Report to DWR. The Annual Water Shortage Assessment Report will be due by July 1 of every year, as required by CWC Section 10632.1.

This section outlines CVWD's procedures used in conducting an Annual Assessment, including the following: 1) written decision-making process for determining water supply reliability; and 2) key data inputs and assessment methodology for evaluating the water supply reliability for the current year and one dry year.

1.3.1 DECISION-MAKING PROCESS

CVWD's Annual Assessment will be mostly based on daily recorded water production and supply figures, which are reported to the General Manager on a daily basis throughout the year. Water consumption is monitored regularly through the metering of all CVWD service connections in its distribution system. To determine its water supply reliability and actual reductions in water use during declared water shortages or emergencies, CVWD can rely on its daily records as well as the CVWD Water Production Reports including the monthly totals. These periodical analyses are used by CVWD to manage resources to meet projected demands and adjust to changing conditions (i.e., precipitation) throughout the year.

Starting in 2022, CVWD staff will submit and present a finalized Annual Water Shortage Assessment Report to the Board of Directors for approval by June each year. CVWD staff will also present determination of recommended water shortage response actions deemed appropriate as a result of the Annual Assessment. Following approval, CVWD staff will submit the approved Annual Water Shortage Assessment Report to DWR by July 1 of every year. The functional procedures for the decision-making process are depicted in the following timeline shown in **Figure 5.1**.

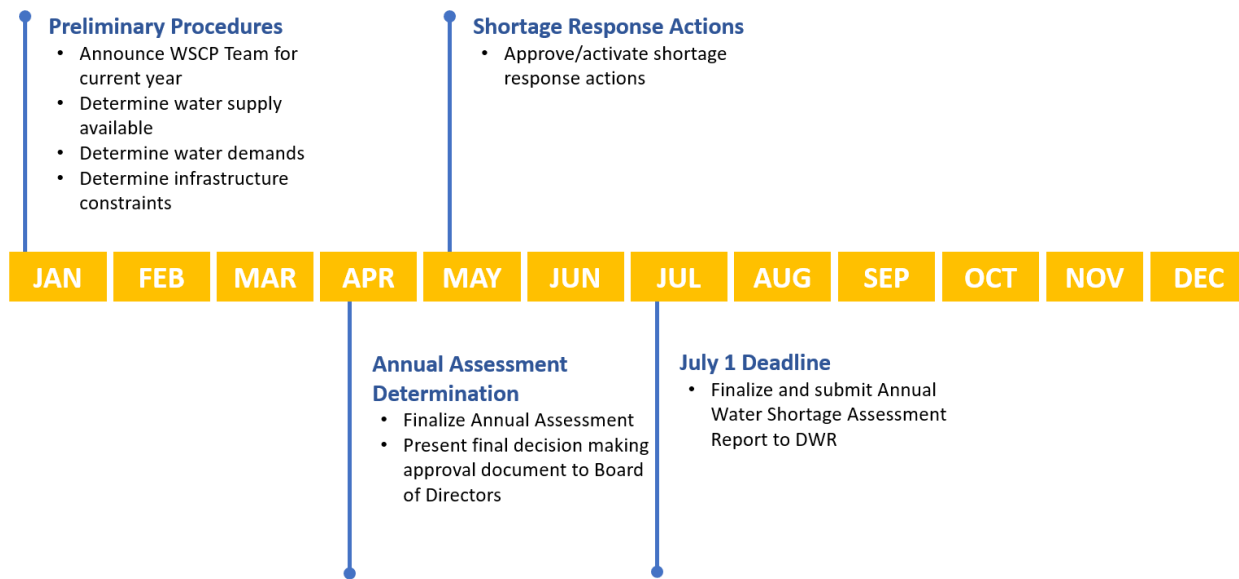


Figure 5.1: Sample Annual Assessment Decision-Making Process Timeline

1.3.2 KEY DATA INPUTS AND ASSESSMENT METHODOLOGY

This section defines the key data inputs and assessment methodology used to evaluate the water supply reliability for the anticipated conditions for the current year and for one dry year that follows. The Annual Assessment determination will focus on the current year unconstrained demand, infrastructure constraints, and total water supply availability. Moreover, the Annual Assessment will consider the current year's weather, population growth, policies in place that will impact demands, and other influencing factors. The current year available supply will incorporate the hydrological regulatory conditions for the current year and following dry year.

LOCALLY APPLICABLE EVALUATION CRITERIA

The locally applicable evaluation criteria that will be consistently relied on for each Annual Assessment include the following:

- 1) Assumed unconstrained demand (i.e., demand without any conservation measures) for current year and one dry year
- 2) Assumed total water supply availability for current year and one dry year
- 3) Existing infrastructure capabilities and plausible constraints
 - Any known issues with the water facilities (including water quality conditions limiting local sources)

- Planned power outages for operation and maintenance
- New construction and repairs
- Environmental mitigation measures
- Other constraints that may affect near-term water supply reliability

WATER SUPPLY SOURCES DESCRIPTION AND QUANTIFICATION

As part of the Annual Assessment, the total available water supply evaluation criteria will comprise of CVWD's water supply sources as shown and quantified in **Tables 5.5 and 5.6**.

Table 5.5: CVWD Water Supplies in 2020 (AF) (DWR Table 6-8 Retail)

Water Supply	Additional Detail on Water Supply	2020		
		Actual Volume	Water Quality	Total Right or Safe Yield
Purchased or Imported Water	from FMWD	2,141	Drinking Water	2,154
Groundwater (not desalinated)	CVWD Wells	1,933	Drinking Water	3,294
Groundwater (not desalinated)	Well #16 (GWP)	142	Drinking Water	500
Total		4,216		5,948

Table 5.6: Projected CVWD Water Supplies (AF) (DWR Table 6-9 Retail)

Water Supply	Additional Detail on Water Supply	Projected Water Supplies				
		2025	2030	2035	2040	2045
Purchased or Imported Water	MWD via FMWD	2,154	2,154	2,154	2,154	2,154
Groundwater (not desalinated)	CVWD Wells	3,294	3,294	3,294	3,294	3,294
Groundwater (not desalinated)	Well #16 (GWP)	300	300	300	300	300
Total		5,748	5,748	5,748	5,748	5,748

Imported Water Purchases

CVWD receive its imported water supply from MWD through their wholesaler FMWD. Supply from MWD originates from the Colorado River and the Sacramento-San Joaquin River Delta in Northern California. Currently, CVWD supply is comprised of 48 percent imported water and is projected to be able to have access of its full Tier 1 limit supply with FMWD of 2,154 AF as shown in **Table 5.6**.

Groundwater Supply

CVWD utilizes groundwater from the Verdugo Groundwater Basin. CVWD draws from this groundwater through 12 of its wells which fulfills 52 percent of its total supply. CVWD's current safe yield of the Basin is 3,294 AFY as shown in **Table 5.6**. Furthermore, CVWD has agreements with GWP to produce additional groundwater through Well #16 to obtain an additional 300 AFY. Groundwater supplies within the Verdugo Basin have remained stable throughout the recent drought during 2012 – 2016. As a result, groundwater production rights within the basin will continue to remain the same into the future until otherwise mandated for reduction by the Upper Los Angeles River Area (ULARA) Watermaster.

1.4 SHORTAGE STAGES AND SHORTAGE RESPONSE ACTIONS

1.4.1 MWD STAGES OF ACTION

WATER SURPLUS & DROUGHT MANAGEMENT PLAN (WSDM)

CVWD works in conjunction with FMWD and MWD to implement conservation measures within the framework of MWD's Water Shortage and Drought Management (WSDM) Plan. The WSDM Plan was developed in 1999 by MWD with assistance and input from its member agencies. The plan addresses both surplus and shortage contingencies. MWD's WSDM Plan documents the stages of action that it would undertake in response to a water supply shortage. FMWD's water supply shortage stages reflect MWD's WSDM Plan.

The WSDM Plan guiding principle is to minimize adverse impacts of water shortage. The plan guides the operations of water resources (local resources, Colorado River, SWP, and regional storage) to ensure regional reliability. It identifies the expected sequence of resource management actions MWD will take during surpluses and shortages of water to minimize the probability of severe shortages, which require curtailment of full-service demands. Mandatory allocations are avoided to the extent practical; however, in the event of an extreme shortage, an allocation plan will be implemented.



Figure 5.2: Severe Droughts Highlight the Importance of Conservation Ordinances (Lake Oroville in 2014)

In addition to its WSDM Plan, MWD developed a Water Supply Allocation Plan (WSAP), which provides a standardized methodology for allocation of supplies during times of extreme shortage (Stage 7 in MWD's WSDM Plan). During a shortage, CVWD's imported water supplies will be allocated based on the methodology documented in FMWD's Allocation Plan, which typically mirrors the MWD allocation plan.

MWD's WSDM and WSAP Plans help guide drought management for many agencies throughout the region.

The description of shortage stages below is from MWD's 2020 UWMP, page 2-28:

"Shortage: Metropolitan can meet full-service demands and partially meet or fully meet interruptible demands, using stored water or water transfers as necessary.

Severe Shortage: Metropolitan can meet full-service demands only by using stored water, transfers, and possibly calling for extraordinary conservation.

Extreme Shortage: Metropolitan allocates available supply to full-service customers.

The WSDM Plan also defines six shortage management stages to guide resource management activities. These stages are not defined merely by shortfalls in imported water supply, but also by the water balances in Metropolitan's storage programs. Thus, a 10 percent shortfall in imported supplies could be a stage one shortage if storage levels are high. If storage levels are already depleted, the same shortfall in imported supplies could potentially be defined as a more severe shortage.

When Metropolitan must make net withdrawals from storage to meet demands, it is considered to be in a shortage condition. Under most of these stages, Metropolitan is still able to meet all end-use demands for water. For shortage stages 1 through 3, Metropolitan will meet demands by withdrawing water from storage. At shortage stages 4 and 5, Metropolitan may undertake additional shortage management steps, including issuing public calls for extraordinary conservation and exercising water transfer options, or purchasing water on the open market."

MWD WATER SUPPLY ALLOCATION PLAN (FOR WSDM SHORTAGE STAGE 7)

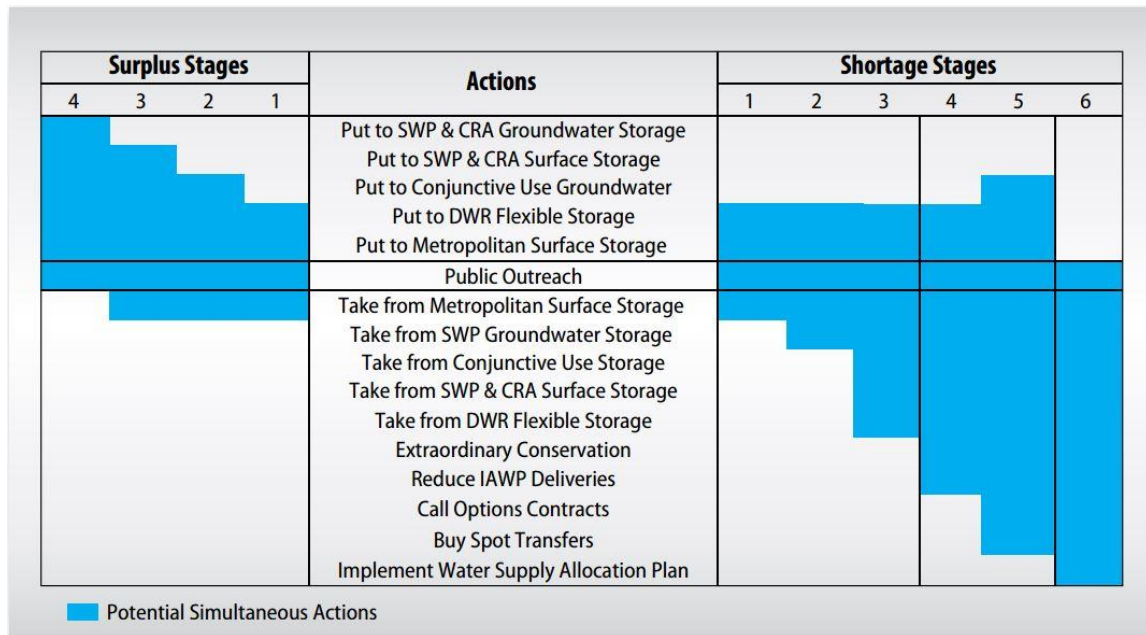


Figure 5.3: MWD WSDM Surplus & Drought Stages

In February 2008, MWD's Board of Directors adopted a WSAP, which includes a methodology for calculating supply allocations in the event that MWD enters a Shortage Stage 7 and is unable to meet the demands of its member agencies. MWD revised its WSAP in 2014 to include the following updates: new FY 12-13 to FY 13-14 baseline, implement a Conservation Demand Hardening Adjustment, create a separate Groundwater Replenishment Allocation for applicable agencies, and replace WSAP Penalty Rates with Allocation Surcharges based on the marginal costs of turf removal. It should be noted that the WSAP is not a rationing plan. Rather, it is a pricing plan where water is allocated at regular prices and agencies that choose to take more than the allocated water pay surcharges. The surcharge pricing mechanism acts to discourage the use of water above the allocation. The WSAP uses a combination of estimated total retail demands and historical local supply production within the member agency service area to estimate the demands on MWD from each member agency in a given year. Based on a number of factors, including storage and supply conditions, MWD then determines whether it has the ability to meet these demands or will need to allocate its limited supplies among its member agencies. Thus, implicit in MWD's decision not to implement an allocation of its supplies is that, at a minimum, MWD will be able to meet the demands identified for each of the member agencies.

According to MWD's 2015 IRP, the approach seeks to balance the impacts of a shortage at the retail level while maintaining equity on the wholesale level and takes into account

growth, local investments, changes in supply conditions and the demand hardening aspects of non-potable recycled water use and the implementation of conservation savings programs. The methodology attempts to allocate supplies based on an estimate of an agency's relative need for imported water using the following process:

1. Establish a baseline for total retail demands (and adjust for growth) to determine the allocation year total retail demands. (*"What are your total water demands?"*)
2. Estimate the amount of local supplies to be utilized in the allocation year and subtract from total retail demands. This is the allocation year baseline demand on MWD. (*"How much imported water do you need from MWD?"*)
3. Apply the minimum allocation percentage (per the regional shortage level) to the allocation year baseline demand and provide minor adjustments based on various criteria. (*"Restrict normal supply deliveries and provide allocation."*)

BASE PERIOD CALCULATIONS (USED TO DETERMINE WSAP REDUCTIONS)

The Base Period is calculated using data from FY 2012-13 and FY 2013-14. Base Period wholesale demands are based on the two-year average of demands on MWD during the Base Period, including full-service, seawater barrier, seasonal shift, and surface storage operating agreement demands.

Local supplies for the base period are calculated using a two-year average of groundwater production, groundwater recovery, Los Angeles Aqueduct supply, surface water production, and other imported supplies. Non-potable recycling production is not included in this calculation, which, according to MWD, is intended to address the impact of demand hardening due to recycled water use.

Total potable retail demands for the Base Period are then calculated by adding the Base Period wholesale demands on MWD and the Base Period local supplies.

WSAP ALLOCATION YEAR CALCULATIONS

The next step is to estimate water needs in an allocation year by (1) adjusting the Base Period total retail demands for population or economic growth, and (2) accounting for changes in local supplies.

The Base Period retail demands are adjusted for growth using the average annual rate of population growth occurring since the two-year base period based on county-level data generated by the California Department of Finance.

Next, these growth-adjusted demands are adjusted again to account for (1) gains and losses of local supply, and (2) extraordinary increases in production over the base year. According to MWD, these adjustments are made to give a more accurate estimate of actual supplies in the allocation year, and, in turn, more accurately reflect an agency's demand for MWD supplies.



Figure 5.4: MWD's Diamond Valley Lake (Potential Reserves for WSAP Allocations)

The adjustment for gains in local supplies is intended to account for planned or scheduled gains in local supply production above the Base Period, which are not due to extraordinary actions to increase water supply in the allocation year. These previously scheduled increases in supply programs (i.e., San Diego County Water Authority/Imperial Irrigation District) or local production are added to the base period local supplies. Again, new supplies from non-potable recycling projects are not counted as local supplies.

While the local agency does become more reliable with the addition of the new supplies, assuming that the new supplies are available during an allocation, the benefits of these programs are partially offset because the impact of adding the new supplies to the Base

Period local supplies is to reduce an agency's dependence on MWD and thus their allocation under the WSAP.

Alternatively, only a portion of the additional supplies from what are termed "extraordinary increases in production" are added back to Allocation Year local supplies depending on the retail shortage level. Extraordinary increases in production include such efforts as purchasing transfers or mining of groundwater basins. By adding only a percentage of the yield from these supplies to Allocation Year local supplies, it has the effect of "setting aside" the majority of yield for the agency who procured the supply.

Table 5.7 reflects the set of percentages used in the WSAP to establish water allocations for each agency.

Table 5.7: Water Allocation Percentages

Regional Shortage Level	Regional Shortage Percentage	Wholesale Minimum Percentage	Maximum Retail Impact Adjustment Maximum
1	5%	92.5%	2.5%
2	10%	85.0%	5.0%
3	15%	77.5%	7.5%
4	20%	70.0%	10.0%
5	25%	62.5%	12.5%
6	30%	55.0%	15.0%
7	35%	47.5%	17.5%
8	40%	40.0%	20.0%
9	45%	32.5%	22.5%
10	50%	25.0%	25.0%

1.4.2 FMWD SHORTAGE STAGES OF ACTION

FMWD's plan mirrors MWD's plan with two exceptions. The first exception is that since FMWD does not take delivery of any Seawater Barrier water and FMWD is considered ineligible for the Replenishment Allocation, reference to those deliveries has been deleted.

The second exception is because of the way the water is allocated, without a further adjustment, total water allocated to FMWD's member agencies will never match the total water allocated to FMWD. Thus, an adjustment has been added to prorate the

difference between the amount allocated to FMWD by MWD and the initial allocation by FMWD.

Additionally, FMWD will reconcile over use and under use of member agency allocations at the same time that MWD does, typically at the end of every 12 months. Any allocation under used by agencies will be pooled together in one pot to be distributed to those agencies who over use their allocation. Any agency using that pooled water will be charged the regular FMWD Tier 1 or Tier 2 rate for having taken the water plus 50 percent of MWD's penalty rate. Any penalties assessed would go into the Water Resource and Conservation Fund.

FMWD only assesses 50 percent of the surcharge against its retail agencies in situations where FMWD is not subject to the Allocation Surcharge from MWD. In cases where FMWD as a whole is subject to the Allocation Surcharge from MWD, member retail agencies that have over used their allocation will take on the obligation proportionally and be subject to 100 percent of the surcharge.

Supply Allocation Formula Elements

The following are the elements of the allocation formula:

Base Period Demands – A two-year average of historical water use utilizing data from FY 2012-13 and FY 2013-14. Water use is divided into three components: total retail demand, locally produced water, and imported water.

Growth Adjustment – Retail demands are adjusted for growth between the base period and the time of allocation based on county level estimates of average annual growth in population. Growth for Los Angeles County is 0.46 percent. Agencies have an option to use weighted average population and job growth instead based on an appeal process to MWD.

Local Supplies – The amount of local supplies that are planned to be utilized in an allocation year.

Extraordinary Allocation Year Local Supplies – These are previously unscheduled local water supplies to be utilized in an allocation year, including transfers, recycled water, desalination, and recovery of groundwater. This amount is credited without reduction in the Wholesale Minimum Allocation. In addition, it decreases both the Retail Impact Adjustment and the reliance on MWD.

Conservation Demand Hardening Adjustment – An adjustment is made for demand hardening due to active conservation based on GPCD. Calculation considers conservation savings, dependence on MWD and the associated Regional Shortage Level percentage.

Regional Shortage Percentage – This is the percentage of shortage between supplies and demands and will be declared by MWD’s Board. **Table 5.7** contains the percentages used to establish water allocations for agencies.

Wholesale Minimum Allocation – This is the first step in the formula and provides the minimum imported water allocation from MWD. It is calculated as an allocation baseline demand on MWD (Base Period Demands minus Local Supplies) multiplied by the Wholesale Minimum Percentage of the associated Regional Shortage Level.

Retail Impact Adjustment – This is the maximum additional allocation an agency may receive based on impacts to retail customers. Those agencies with less local supplies would receive a higher adjustment than those agencies with more local supplies. This adjustment is calculated as a percent dependence on MWD times the allocation baseline demand on MWD multiplied by the Retail Impact Adjustment factor of the associated Regional Shortage Level.

Minimum Per-Capita Adjustment – An adjustment made should gallons per capita per day for an agency drop to 100 GPCD or lower.

Total FMWD Allocation – A preliminary allocation is provided to agencies based on calculations, which mirror MWD’s WSAP. Without a further adjustment, total water allocated to FMWD’s member agencies will never match the total water allocated to FMWD. Thus, an adjustment has been added to prorate the difference between the amount allocated to FMWD by MWD and the initial allocation by FMWD.

Allocation Surcharge – Previously known as WSAP Penalty Rates, an Allocation Surcharge will be in effect based on the costs to implement outdoor water use reductions through turf removal programs. The Allocation Surcharge would provide a price signal based on the marginal conservation costs incurred to reduce water use in dry and shortage years.

Conservation Plan Ordinance

FMWD’s Conservation Plan (adopted April 2009; revised plan adopted June 2021) establishes a comprehensive staged water conservation program, which will encourage

reduced water consumption within FMWD through conservation, enable effective water supply planning, assure reasonable and beneficial use of water, prevent waste of water, and maximize the efficient use of water within FMWD. In June 2021, FMWD amended its Conservation Plan to conform to six standard water shortage levels as required by CWC Section 10632(a)(3)(A) and to better align with long-term water use goals. Along with permanent water conservation requirements, FMWD's Water Conservation Plan consists of six stages, which are described in **Table 5.8**, to respond to a reduction in potable water available to FMWD for distribution to its customers. Stage 1 conservation requirements are in effect at all times unless a mandatory conservation stage has been implemented by the Board of Directors.

5.4.3 CVWD STAGES OF ACTION

CVWD has adopted a Water Conservation Program. The purpose of this program is to provide water conservation regulations, in a phased approach, to minimize the effect of a shortage of water supplies on the customers of CVWD during various critical stages of a water shortage. Along with permanent water conservation requirements, CVWD's Water Conservation Program consists of the following six stages, as shown in **Table 5.8**, to respond to a reduction in potable water available to CVWD for distribution to its customers with Phase 1 conservation requirements in effect at all times unless a mandatory conservation stage has been implemented by CVWD Board of Directors.

Table 5.8: Water Supply Shortage Stages and Conditions – Rationing Stages

Stage No.	Water Supply Conditions	% Shortage
Phase 1 - Color Code "Blue" – Standard Water Conservation Alert	FMWD can meet all Member Agency demands. Voluntary water conservation applies.	Up to 10%
Phase 2 - Color Code "Green" – Increased Water Conservation Alert	Some supplies have been impacted, and customers should increase efforts to conserve.	10% to 20%
Phase 3 - Color Code "Yellow" – Extraordinary Water Conservation Alert	MWD is withdrawing water from most of its storage programs to meet demands. Extraordinary conservation is called for from customers.	20% to 30%
Phase 4 - Color Code "Orange" – Allocation Water Conservation Alert	MWD has implemented its allocation plan to its member agencies. Thus, supplies are limited.	30% to 40%
Phase 5 - Color Code "Red" – Critical Water Conservation Alert	Water supplies are reduced drastically.	40% to 50%
Phase 6 - Color Code "Purple" – Emergency Water Conservation Alert	Water supplies are only available for health and safety needs.	Greater than 50%

1.4.4 PROHIBITIONS

CVWD's Water Conservation Plan promotes the efficient use of water, reduce or eliminate water waste, complement CVWD's Water Quality regulations and urban runoff reduction efforts, and enable implementation of CVWD's Water Shortage Contingency Measures. Prohibitions include, but are not limited to: restrictions on outdoor watering, washing of vehicles, food preparation establishments, repairing of leaks and other malfunctions, swimming pools, decorative water features, construction activities, and water service provisions, which can be found in **Table 5.9**.

Table 5.9: Mandatory Prohibitions

Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
Hose washing of sidewalks, walkways, driveways, or parking areas, tennis courts, patios, porches or other paved areas shall not be permitted. Exception: Flammable or other dangerous substances may be disposed of by direct hose flushing by public safety officers for the benefit of public health and safety. Businesses or schools required to hose down public eating areas will be provided with access to a water broom.	Phase 1 - Color Code "Blue"
Use of water for any purpose which results in overspray, excessive runoff onto hardscapes, driveways, streets, adjacent lands or into gutters shall not be permitted.	Phase 1 - Color Code "Blue"
Water used to clean, fill or maintain levels in decorative fountains or similar structures must be part of a recirculation system.	Phase 1 - Color Code "Blue"
Leaks from any facility both inside and outside of a customer's premises must be repaired within seventy-two hours after the customer is notified of, or discovers the leak. Failure to affect the repair of any leak shall subject said customer to all penalties provided herein for waste of water.	Phase 1 - Color Code "Blue"
No watering, sprinkling or irrigating shall take place between the hours of nine a.m. (9:00AM) and five p.m. (5:00PM) in any landscaped or vegetated areas, including, but not limited to, golf courses, parks, cemeteries and school areas landscaped with, but not limited to, grass, lawn, groundcover, shrubbery, annual and perennial plants, crops, trees, and California-friendly plantings. With the exception of drip irrigation systems or weather based irrigation controllers,	Phase 1 - Color Code "Blue"

Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
residential timers shall not run for more than a total of 10 minutes per station.	
Hand watering of non-turf areas is allowed using a hose with a positive shut-off nozzle or watering can within the allowable times as specified above.	Phase 1 - Color Code "Blue"
No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray. No irrigation or watering of turf or ornamental-landscapes during and 48 hours following measurable precipitation.	Phase 1 - Color Code "Blue"
The washing of commercial and non-commercial privately owned automobiles, trucks, trailers, motor-homes, boats, buses, airplanes and other types of vehicles is restricted to use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle. Exceptions: the use of wash water which is on the immediate premises of a commercial car wash or commercial service station; where health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles which transport food and perishables.	Phase 1 - Color Code "Blue"
Owners of outdoor swimming pools, wading pools or spas, when these are not in use, are requested to use covers to minimize the evaporation of water.	Phase 1 - Color Code "Blue"
Water for construction purposes including but not limited to de-brushing of vacant land, compaction of fills and pads, trench backfill and other construction uses, shall be used in an efficient manner which will not result in runoff.	Phase 1 - Color Code "Blue"
The use of potable water from fire hydrants shall be limited to firefighting related activities or other activities immediately necessary to maintain the health, safety, and welfare of the residents of the city.	Phase 1 - Color Code "Blue"
No restaurant, hotel, café, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any customer unless expressly requested by a customer.	Phase 1 - Color Code "Blue"
Hotels, motels, and other commercial lodging establishments are requested to post notices informing their guests about CVWD's water conservation policy and urging guests to conserve water. Water conservation notices will be provided by CVWD.	Phase 1 - Color Code "Blue"

Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
Hotels, motels and other commercial lodgings are requested to post notices giving their guests the option of not laundering towels and linens daily.	Phase 1 - Color Code "Blue"
Where applicable, restaurants must utilize water conserving nozzles.	Phase 1 - Color Code "Blue"
Watering Days: Odd/Even assigned days	Phase 2 - Color Code "Green"
Watering Days: Tuesday, Thursday, Saturday	Phase 3 - Color Code "Yellow"
Residential and commercial landscape irrigation is limited to no more than two (2) days per week on Tuesday and Saturday. Exempt are public areas owned or operated by School Districts or public use areas greater than 4,000 square feet.	Phase 4 - Color Code "Orange"
The filling, refilling or adding of water to indoor and outdoor pools, wading pools, or spas is prohibited. Exemptions: Commercial Repairs mandated by the Federal Virginia Graeme Baker Act, or adding water for the prevention of equipment failure is permissible, however, the District strongly urges that a cover be used to prevent evaporation and thereby reducing the frequency of refilling.	Phase 4 - Color Code "Orange"
The use of water to clean, maintain, fill, or refill decorative fountains or similar structures is prohibited. Exemptions: Adding water for the prevention of equipment failure is permissible.	Phase 4 - Color Code "Orange"
Vehicle washing is restricted to the use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle.	Phase 4 - Color Code "Orange"
Fix leaks within 48 hours.	Phase 4 - Color Code "Orange"
1 day limit per week for outdoor irrigation.	Phase 5 - Color Code "Red"
All outdoor water use is prohibited.	Phase 6 - Color Code "Purple"
Fix any leaks within 24 hours.	Phase 6 - Color Code "Purple"

1.4.5 CONSUMPTION REDUCTION METHODS

Methods to reduce the use of potable water exist in all Water Shortage Levels are listed in **Table 5.10**.

Table 5.10: Consumption Reduction Methods

Consumption Reduction Methods	Stage When Method Takes Effect	Projected Reduction (%)
Phase 1 Conservation Measures	"Blue"	Up to 10%
Phase 2 Conservation Measures	"Green"	10% to 20%
Phase 3 Conservation Measures	"Yellow"	20% to 30%
Phase 4 Conservation Measures	"Orange"	30% to 40%
Phase 5 Conservation Measures	"Red"	40% to 50%
Phase 6 Conservation Measures	"Purple"	>50%

1.4.6 CATASTROPHIC SUPPLY INTERRUPTION

Given the great distances imported water supplies travel to reach the FMWD service area, the region is vulnerable to interruptions along hundreds of miles of aqueducts, pipelines and other facilities associated with delivering the supplies to the region. Additionally, this water is distributed to customers through an intricate network of pipes and water mains that are susceptible to damage from earthquakes and other disasters, natural or otherwise.

MWD

MWD has comprehensive plans for stages of actions it would undertake to address a catastrophic interruption in water supplies through its WSDM and WSAP Plans. MWD also developed an Emergency Storage Objective to mitigate potential interruption in water supplies resulting from catastrophic occurrences within the Southern California region, including seismic events along the San Andreas Fault. In addition, MWD is working with the state to implement a comprehensive improvement plan to address catastrophic occurrences that could occur outside of the Southern California region, such as a probable maximum seismic event in the Delta, which could cause levee failure and disruption of SWP deliveries.

In July 2019, MWD's Board adopted amendments to their Administrative Code allowing deliveries of member agency water supplies in MWD's system during an emergency. With

these enabled deliveries, MWD's member agencies will be able to deliver their water through MWD's system under specific emergency conditions. Emergency deliveries using a portion of MWD's system can only be made if MWD is unable to make deliveries to a member agency due to physical damage to its system resulting from a natural disaster or other emergency, and there are no alternatives.

CVWD

For a sudden or catastrophic water supply interruption, CVWD has developed an Emergency Preparedness and Disaster Response Plan, as required by the State Water Resource Control Board, and an Emergency Response Plan (ERP) to ensure the most effective use of its resources for the benefit and protection of facilities and employees, in addition to the preservation of a reliable water supply for its customers.

Power Outage – In the event of a power outage, CVWD maintains five emergency standby power generators. One of the emergency generators is stationary and dedicated to power water supply wells and the auxiliary equipment at the Glenwood Nitrate Operations Center. Four emergency generators are portable and are mounted on trailers. They can be mobilized to any pump station for movement of water out of a reservoir into a higher pressure zone. Each pump station site is equipped with emergency power receptacles and transfer switches, which allow personnel to hook up the portable generators. The fourth generator is located at CVWD's Administrative Office. CVWD also has Universal Power Supply systems on the computer systems at the Administrative Office, the Supervisory Control and Data Acquisition (SCADA) systems at the Glenwood Nitrate Operations Facility and at booster station at well sites. In addition, FMWD operates standby emergency generators, which could be used by CVWD.

Water Outage – In the event of a water outage, CVWD has the ability to receive water from the City of Glendale, La Cañada Irrigation District, and Los Angeles Department of Water and Power (LADWP) through emergency water supply interconnections.

City of Glendale Emergency Interconnection:

- Glendale/CVWD emergency interconnection was installed in 2004 and allows for CVWD to receive up to 5.0 cubic feet per second (cfs) from Glendale.
- Glendale and CVWD also have an agreement for emergency hydrant-to-hydrant interconnections that allows CVWD to take water from Glendale or for Glendale to take water from CVWD.

La Cañada Irrigation District (LCID) Interconnection:

- CVWD has an interconnection with LCID that allows CVWD to take water from LCID into CVWD's Zone 3.
- LCID has two interconnections with CVWD that allows LCID to take water from CVWD into LCID westerly zones.

LADWP Interconnection:

- CVWD to receive up to 2.2 cfs or 1.9 MGD from LADWP, which will provide an emergency water supply to FMWD through a metered connection.
- LADWP to receive up to 2.2 cfs from CVWD through a booster pump system that will provide LADWP water in emergency situations.

CVWD is an active member of the southern region of the statewide Water Agency Response Network (WARN), a mutual aid coalition of water departments and agencies which allows for coordination of resources during disasters or catastrophic events.

Supplemental Water Supplies – Supplemental water supplies to help offset future shortages due to drought would be available through FMWD via MWD and their WSDM. The WSDM is referenced in FMWD's 2020 UWMP and described in detail in MWD's 2020 UWMP.

Preparation actions for possible catastrophes are summarized in **Table 5.11**.

Table 5.11: Preparation Actions for Catastrophe

Possible Catastrophe	Preparation Actions
Regional Power Outage	• Emergency Preparedness and Disaster Response Plan • Standby Emergency Power Generators • Interconnections with nearby agencies • Water Agency Response Network Membership • Supplemental Water Supplies
Earthquake	
Supply Contamination	
Terrorist Act which Interrupts Service	
Other(s)	

1.4.7 SEISMIC RISK ASSESSMENT AND MITIGATION PLAN

INTRODUCTION

Earthquakes can vary significantly in magnitude and the amount of damage caused. Major earthquakes can cause loss of electrical power, damage to CVWD's structures and

equipment, disruption of service, and injuries to staff. This section provides a description of CVWD's procedures (i.e., response and mitigation) after an earthquake event.

As mandated in CWC Section 10632.5, beginning January 1, 2020, water suppliers are required to include a seismic risk assessment and mitigation plan as part of their WSCP to assess the vulnerability of each of the various facilities of their water system and mitigate those vulnerabilities. If an urban water supplier does not have a seismic risk assessment and mitigation plan, the urban water supplier may instead, per CWC Section 10632.5(c), include a local hazard mitigation plan (LHMP) or a multi-hazard mitigation plan. This requirement is satisfied by the incorporation of elements and analyses from CVWD's Risk and Resilience Assessment (RRA), ERP, and seismic evaluation as well as the 2019 County of Los Angeles All-Hazards Mitigation Plan (attached as **Appendix D**). The complete RRA and ERP documents are not presented within this plan due to the highly confidential nature of the reports. Although CVWD does not currently have a Seismic Risk Assessment and Mitigation Plan, CVWD applied for a planning grant in March 2019 and was awarded funding by the Federal Emergency Management Agency in April 2020 to complete an LHMP.

CVWD LHMP

During the LHMP process, residents and officials from neighboring agencies will be asked to contribute by sharing local knowledge of the area's vulnerability to hazards and by suggesting ways CVWD can mitigate disasters. CVWD also formed a Steering Committee made up of local stakeholders, who oversaw the plan's development and outreach. The committee met on a monthly basis for approximately seven months and meetings were open to the public. The LHMP process was started in late 2020, with a seismic evaluation, and is expected to be completed by the Fall of 2021.



Figure 5.5: The Five Phases of Emergency Management

LHMP Goals and Objectives

The six goals of CVWD's LHMP are listed below:

1. Protect life and property

2. Maintain continuity of essential water and sewer services
3. Increase public awareness of the risk of loss of water/sewer service
4. Facilitate partnerships with recognized stakeholders within the Crescenta Valley and implement a coordination plan between the stakeholders
5. Protect local water supply sources
6. Protect against environmental consequences caused by water and sewer system failure initiated by natural hazards

The CVWD Steering Committee members identified the following plan objectives:

- Implement activities that assist in protecting lives by making CVWD's infrastructure, critical facilities, and other properties more resistant to natural hazards
- Protect water quality and supply
- Properly address aging infrastructure issues to reduce/minimize future hazards and disasters
- Raise awareness and communicate to the Crescenta Valley Community about the risks to CVWD assets
- Leverage grant funding and low interest loan programs to implement hazard mitigation capital projects
- Establish policies to ensure mitigation projects are prioritized for critical facilities, services, and infrastructure
- Create, rehabilitate, enhance, and preserve local ecosystems to serve as natural hazard mitigation functions

SEISMOLOGY OF WATER FACILITIES & VULNERABILITY

According to the maps provided on the California Office of Emergency Services' online planning tool (My Plan) and the California Geological Survey's online earthquake hazards zone application (EQ Zapp), no portion of the CVWD system is crossed by a known fault line as shown in **Figure 5.6**. Furthermore, based on the CVWD seismic evaluation, none of CVWD's pipelines, wells, booster pump stations, reservoirs, or other water facilities are located in areas containing soft, fine grained soils, which amplify the earthquake energy during an earthquake. All water facilities are located in areas of very dense and stiff soil. Therefore, there are no CVWD potable water structures with an extremely high risk of earthquake damage. There are, however, areas with increased risk due to landslides, liquefaction, and some CVWD facilities that are more susceptible to earthquake damage than other facilities.

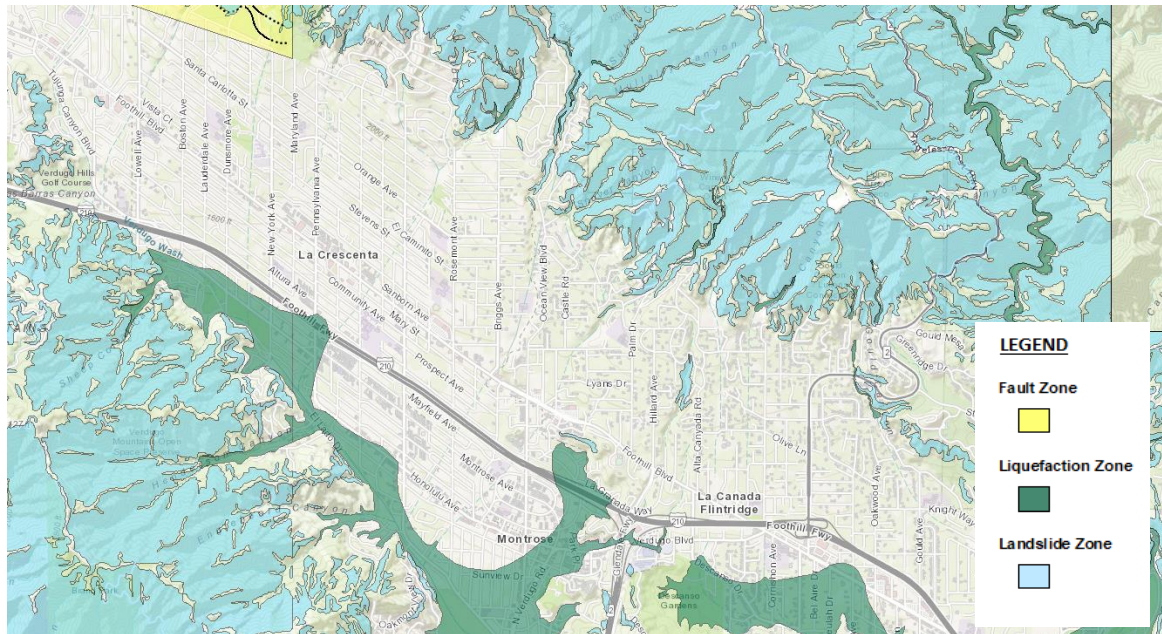


Figure 5.6: Seismic Hazards within CVWD Service Area (California Geological Survey)

An earthquake is caused by the shifting of tectonic plates beneath the Earth's surface. Ground shaking from moving geologic plates collapses buildings and bridges, and sometimes triggers landslides, avalanches, flash floods, fires and tsunamis. The strong ground motion of earthquakes has the potential to cause a great deal of damage to drinking water and wastewater utilities, particularly since most utility components are constructed from inflexible materials (i.e., concrete, metal pipes). Earthquakes create many cascading and secondary impacts that may include, but are not limited to:

- Structural damage to facility infrastructure and equipment
- Water tank damage or collapse
- Water source transmission line realignment or damage
- Damage to distribution lines due to shifting ground and soil liquefaction, resulting in potential water loss, water service interruptions, low pressure, contamination and sinkholes and/or large pools of water throughout the service area
- Loss of power and communication infrastructure
- Restricted access to facilities due to debris and damage to roadways

Additional seismic risks will be further described in the CVWD LHMP.

ERP – EARTHQUAKE EMERGENCY RESPONSE

CVWD is currently updating its ERP to replace its existing ERP by December 31, 2021 in order to meet the requirements of America's Water Infrastructure Act of 2018 (AWIA).

The ERP provides CVWD staff with the necessary information, strategies, procedures, and mitigation actions to address earthquake emergencies. CVWD's ERP policies are intended to guide disaster management planners and emergency responders, and to provide a consistently high level of preparedness at all the facilities.

Per the ERP, after a major earthquake, the Emergency Operations Center (EOC) will be activated if potential or significant damage has occurred in CVWD's service area, and the situation cannot be handled by routine public safety response or immediate mutual aid assistance. The General Manager shall assess the situation and establish the incident command post as necessary. In the event of an emergency, CVWD personnel will be required to inspect all water facilities for apparent signs of damage or abnormal conditions and conserve the existing water supply in the reservoirs from loss through water line breaks in the distribution system.

CVWD SEISMIC EVALUATION

As part of the LHMP preparation process, CVWD performed a seismic evaluation in 2020 involving seismological and geological investigations of the CVWD service area that was used to evaluate the susceptibility of the water system to damage following an earthquake. The purposes of the seismic evaluation were as follows:

- Determine the probability of damage to potable water structures and identify the expected functionality of essential features of the system after a major earthquake in the service area.
- Identify the amount of potable water structures located in high hazard areas (i.e., liquefaction zones, soft soils, landslide risk zones).
- Protect human life against earthquake hazard as it affects the existing water system.

Figures 5.7 and 5.8 show some of the results of the seismic evaluation regarding the potential for damage due to the impacts of a major earthquake event. The evaluation used the aftermath of the 1994 Northridge earthquake as a basis.

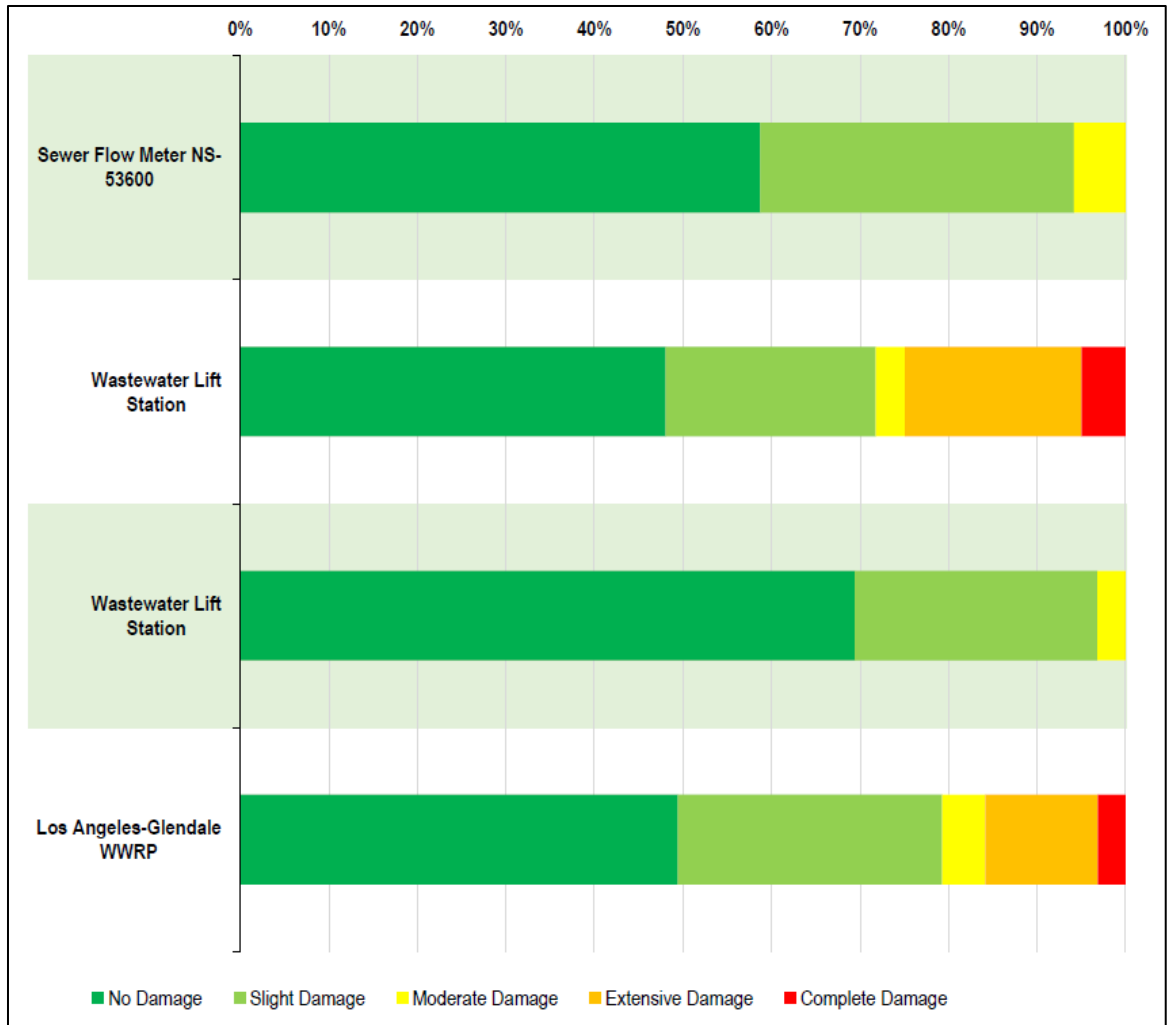


Figure 5.7: Probability of Damage to Facilities from a Magnitude 6.9 Event

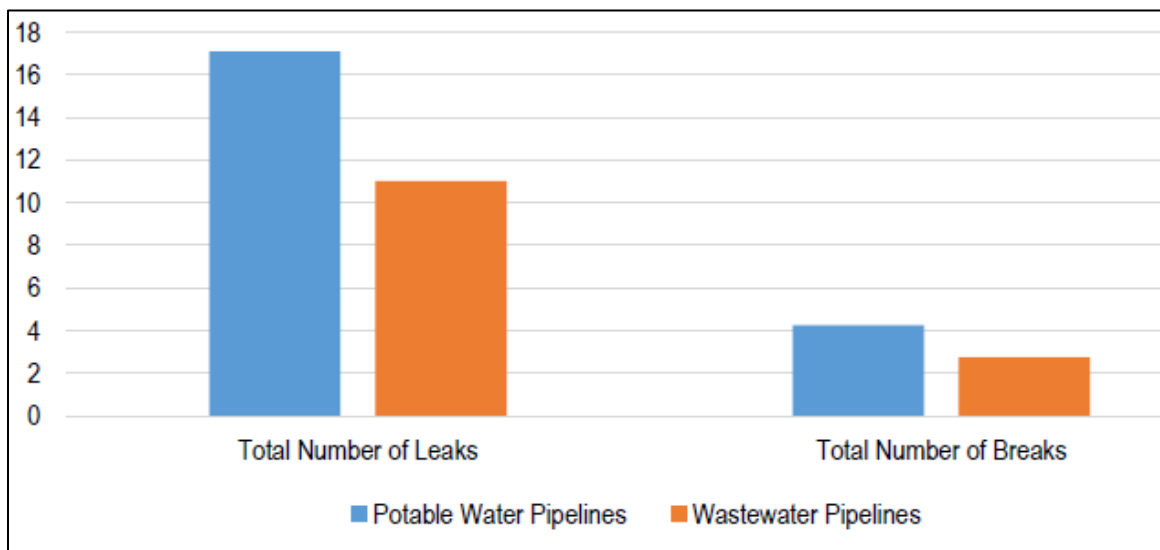


Figure 5.8: Pipeline Repairs Required after a Magnitude 6.9 Event

MITIGATION ACTIONS

Hazard mitigation may occur during any phase of a threat, emergency, or disaster. Mitigation can and may take place during the preparedness (before), response (during), and recovery (after) phases. The process of hazard mitigation involves evaluating a hazard's impact and identifying and implementing actions to minimize or eliminate the impact.

As part of the LHMP planning process and risk assessment, CVWD's Core Planning Team developed a mitigation action plan, consisting of pre-mitigation projects, to present how CVWD can reduce the risk and vulnerability of people, property, infrastructure, natural and cultural resources, and economic impacts to future disaster losses, including earthquake events. Emphasis was placed on both existing and future development.

Pre-mitigation projects to mitigate earthquake events may include, but are not limited to, the following:

- New Portable Emergency Electrical Generators – four (4) new portable generators to be staged at Booster Pump Station sites to move water to higher elevations.
- New Seismic Sensors & Valve Actuators on Reservoir Inlet/Outlet Valves (4 sites) to close valve and save water.
- Emergency Preparedness Education Site and Water Refilling Station at Rosemont Reservoir.

Specific seismic mitigation actions/measures will be further described in the CVWD LHMP.

1.5 COMMUNICATION PROTOCOLS

1.5.1 INTRODUCTION

CVWD's communication protocol includes the various channels that CVWD will utilize to convey critical messages regarding water shortage allocations and voluntary and mandatory actions. The goal of CVWD is to provide more public outreach to help increase awareness of water shortages. A strong communication strategy and a common understanding on the water supply situation and necessary actions between CVWD and its customers, the public, elected officials, and other key stakeholders are essential should the WSCP need to be activated. How the water shortage messages are addressed to the public are described in this communication protocol. The communication protocol will be in place prior to a water supply shortage and be initiated in Stage 2 Increased Voluntary Conservation. Activation of the communication protocol will continue through all

subsequent water shortage stages. CVWD will ensure outreach efforts are reaching key audiences as needed.

It is important to communicate to its customers the following when urgent conservation is needed:

- Which shortage stage is being implemented;
- What response actions are triggered to save water;
- Why water needs to be saved; and
- What actions CVWD is taking to respond to the water supply situation.

1.5.2 COORDINATION

The goal of CVWD's outreach plans during dry periods and water shortages is to maintain effective coordination with key audiences. In order to maintain reliability in this communication, CVWD will work closely with the Board of Directors. During dry periods or other times of limited supply, the frequency and extent of coordination will increase to ensure outreach tactics are consistent with the changing needs of CVWD and its customers. In addition to collaboration with its wholesaler, FMWD, CVWD will seek opportunities with outside organizations and agencies to complement its own outreach.

1.5.3 COMMUNICATION GOALS

Communication objectives during an existing or anticipated water shortage condition include the following:

- Motivate key audiences (i.e., customers) to increase conservation in following any voluntary or mandatory actions called for at the current stage of the WSCP.
- Raise awareness of the drought, regulations, or other conditions affecting water sources and supplies.
- Educate customers, key stakeholders, elected officials, and the general public about water supply reliability, water quality, and water delivery.
- Prepare customers for any potential escalation of the supply shortage stages.

1.5.4 COMMUNICATION PROTOCOL FOR CURRENT OR PREDICTED SHORTAGE

A current or predicted shortage, as determined by CVWD's Annual Assessment, will be addressed to the public and its customers upon submittal of the Annual Water Shortage Assessment Report to DWR by July 1 of every year. This notice may be conducted by

CVWD's website, signage in front of the CVWD office, and wholesale agency coordination.

1.5.5 COMMUNICATION PROTOCOL FOR SHORTAGE RESPONSE ACTIONS TRIGGERED OR ANTICIPATED TO BE TRIGGERED

CVWD's customers and public will be notified about any triggered or anticipated to be triggered shortage response actions. CVWD monitors and measures the projected supply and demand for water by its customers monthly and recommends the stage of conservation required to the Board of Directors. After Stage 3, 4, 5 or 6 is declared, and at each regular board meeting, the Board of Directors will consider a report by the General Manager concerning the then current water supply status. The Board will change the stage designation as appropriate; however, unless it is an emergency, the Board will not impose mandatory measures without first conducting a duly-noticed public hearing pursuant to Water Code Sections 350 et seq., or 375 et seq. The appropriate stage of water conservation and the shortage response action triggered by the stage is then declared in a public notification posted on CVWD's website and published in a daily newspaper.

1.5.6 OTHER RELEVANT COMMUNICATION PROTOCOLS

To reduce water use consumption during any water shortage stage, CVWD will increase its public education and outreach efforts to build awareness of needed actions from the public. Moreover, CVWD will regularly revise its outreach campaign to reflect current supply conditions. Key communication strategies and associated water shortage stage implementation are listed below:

- Promote available water assistance resources for vulnerable populations; specialized outreach for impacted industries (Stages 3 and 4).
- Keep stakeholders aware of conditions (all Stages).
- Proclaim stage change to key stakeholders and the general public (all Stages).
- Conduct meetings with elected officials and other key civic and business leaders (Stage 2).
- Encourage reduced optional outdoor use through outreach (Stages 3 and 4).

CVWD may implement these communication strategies through its newsletters, website, and social media platforms to reflect supply conditions. In addition, CVWD may conduct news briefings or other media outlets (i.e., TV, radio, newspapers) to announce changes in supply conditions.

1.5.7 CRISIS COMMUNICATION PROTOCOL

In the event of a catastrophic supply interruption due to a natural disaster or damage to CVWD's facilities, CVWD will implement communication procedures in accordance with local, regional, state, and federal emergency response guidelines as outlined in its ERP. Depending upon the severity of the emergency and potential damage to CVWD's facilities, CVWD may determine that it is necessary to utilize the Standardized Emergency Management System (SEMS) response and the Incident Command System (ICS). Public information and crisis communication are an integral part of the ICS structure. National Incident Management System (NIMS), SEMS, and ICS have been integrated into the ERP. It provides for a strategic response by all employees and assigns specific responsibilities in the event the plan is activated.

When an incident occurs, the General Manager (Emergency Response Manager), District Engineer (Emergency Operations Center Manager) and the Operations Manager (Field Crew Supervisor) will go to the designated EOC and begin implementation of CVWD procedures and employ appropriate strategies from the shortage stages in **Table 5.2**.

Crisis communication efforts will concentrate on providing information to the public and external audiences. Furthermore, outreach messaging will reflect emergency conditions and the need to focus on health and public safety. CVWD will keep the Board of Directors informed of incident status and coordinate with public health officials.

CVWD will maintain communication with FMWD and its customers. Situation status reporting will be conducted during each operational shift during an event. In addition, CVWD may also authorize release of public information to news media to announce conditions and explain needed action. Finally, CVWD will ensure ongoing coordination with emergency response services with daily advisories or alerts as needed.

1.6 COMPLIANCE AND ENFORCEMENT

The District will use all means at its disposal to communicate compliance with its WSCP, including, but not limited to:

- Direct mailings
- Billing messages
- Website posts
- Press releases
- Social media posts
- Newspaper advertisements
- Speaker groups
- Waste of water reporting

1.6.1 PENALTIES OR CHARGES

Any customer who violates provisions of CVWD’s Water Conservation Plan Ordinance by either excess use of water or by specific violation of one or more of the applicable water use restrictions for a particular mandatory conservation stage may be cited by CVWD and may be subject to written notices, surcharges, fines, flow restrictions, service disconnection, and/or service termination, which are detailed in **Table 5.12**.

Table 5.12: Penalties and Charges

Penalties or Charges	Stage When Penalty Takes Effect
Written Notice (Warning)	First Violation (Any Phase)
Written Notice with Description of Penalties	Second Violation (Any Phase)
Flow restrictors (installation: \$150, removal: \$100) for a period of not less than 48 hours	Third Violation (Any Phase)
Flow restrictors (installation: \$200, removal: \$150) for a period of not less than one week OR Discontinuation of water service	Flagrant Disregard of ordinance or Multiple Violations (Any Phase)

For any violations subsequent to the second violation, if the penalty assessed is, or includes the installation of a flow-restrictor or the discontinuance of water service to the customer for any period of time, notice of the fact of the violation will be delivered 15 working days before the penalty is to be enacted, in the following manner:

- Personal delivery of written notice to the customer at their residence or place of business and obtain their signature of delivery.
- Return receipt delivery to customer at their residence or place of business.

All notices will contain, in addition to the facts of the violation, a statement of the possible penalties for the present violation for which the notice was written and each subsequent violation, a statement of the anticipated date of the penalty, if any, will be enacted for the present violation, and a statement informing the customer of the customer’s right to a hearing on the violation.

1.6.2 APPEAL REGARDING VIOLATIONS

Any customer against whom a restriction or limitation is levied has the right to a hearing and a right to appeal to the Board of Directors. Written request from customer to the District must be received within 15 working days of the date of notification of the violation. Before

the hearing can be scheduled, all existing plumbing fixtures in the structure must be retrofitted exclusively with water-conserving plumbing fixtures including low flush or high efficiency toilets, low flow showerheads, and aerators. A water audit will be used to verify installation.

Enactments of the appropriate penalty will be deferred until the appeal is resolved.

If the appeal decision is not in favor of the customer, the determined penalty will be enacted within 10 days after the customer is advised of the decision in writing through certified mail, return receipt requested.

1.7 LEGAL AUTHORITIES

Under California law, including CWC Chapter 3 (commencing with Section 350) of Division 1, Parts 2.55 and 2.6 of Division 6, Division 13, and Article X, Section 2 of the California Constitution, the CVWD Board is authorized to implement the water shortage response actions outlined in this section. In all water shortage cases, shortage response actions to be implemented will be at the discretion of the CVWD Board and will be based on an assessment of the supply shortage, customer response, and need for demand reductions.

It is noted that upon proclamation by the Governor of a state of emergency under the California Emergency Services Act, Chapter 7 (commencing with Section 8550) of Division 1 of Title 2 of the Government Code, based on drought conditions, the state will defer to implementation of locally adopted water shortage contingency plans to the extent practicable. CVWD will coordinate with any city or county within which it provides water supply services for the possible proclamation of a local emergency, as defined in Section 8558 of the Government Code.

1.8 FINANCIAL CONSEQUENCES OF WSCP IMPLEMENTATION

CVWD has established a target reserve of funds within its annual budget to address the issue of lost revenue during a water shortage or drought situation. CVWD has an established reserve level that includes a 25 percent rate stabilization fund, which can offset short-term loss of revenue. The total target reserve level consists of \$1,000,000, 3 months of operations and maintenance costs (less the cost of imported water) and 25 percent of expected rate revenue. In the case of a long-term water shortage or drought situation,

CVWD has instituted a tiered rate structure on its customers to offset the loss of revenue that will occur. Such measures are listed in **Tables 5.13** and **5.14**.

Table 5.13: Proposed Measures to Overcome Revenue Impacts

Name of Measures
Reserve Funds
Rate Stabilization Fund
Rate Structure Adjustment

Table 5.14: Proposed Measures to Overcome Expenditure Impacts

Name of Measures
Obtain Alternative Sources of Funding
Defer Certain Expenditures

1.9 MONITORING AND REPORTING

1.9.1 REDUCTION MEASURING MECHANISM

Under normal water supply conditions, potable water production figures are recorded daily. Water Production totals are reported to the General Manager and the Management staff on a daily basis and monthly totals are incorporated into CVWD's Water Production Report.

During any declared water shortage emergency, the General Manager and the Management staff will compare the daily water production to a maximum water supply capacity and a targeted daily production to see if the reduction goals are being met. Those daily updates will be forwarded to CVWD's Board of Directors semi-monthly. Corrective action may be taken by the CVWD Board of Directors if reduction goals are not met.

During local water shortage emergencies due to a natural disaster, production figures will be monitored daily by the General Manager and the Management staff. Reports will be provided to the CVWD Board of Directors as necessary. Water use Monitoring Mechanisms are listed in **Table 5.15**.

Table 5.15: Water Use Monitoring Mechanisms

Mechanisms for Determining Actual Reductions	Type of Data Expected
Daily Records	Potable water production figures

1.10 SPECIAL WATER FEATURE DISTINCTION

As required under CWC 10632(b), water features that are not pools or spas must be analyzed and defined separately from pools and spas in the WSCP. Non-pool or non-spa water features may use recycled water, whereas, for health and safety considerations, pools and spas must use potable water. Although CVWD does not currently use recycled water and does not have the ability to use recycled water due to a lack of infrastructure, CVWD would use non-potable water for non-pool water features if and when recycled water supply ever becomes available to CVWD. Furthermore, the WSCP requires potable water recirculation for fountains and decorative water features.

1.11 WSCP ADOPTION AND REFINEMENT PROCEDURES

1.11.1 WSCP PUBLIC NOTICE AND ADOPTION

1.11.2 WSCP REFINEMENT PROCEDURES

This section discusses the process for reviewing and updating the WSCP to ensure it

remains actively used, relevant and appropriate to the community, and consistent with applicable state and requirements. It is vital that CVWD's WSCP remain up to date so as to best ensure shortage risk tolerance is adequate, appropriate water shortage mitigation strategies are implemented as needed, proper procedures for water efficient practices are in place for the community, and better alignment with long-term water use goals.

The CVWD Core Planning Team is responsible for maintaining this plan and updating it as needed. The Director of Engineering and the Regulatory and Public Affairs Manager are the primary CVWD staff members who will carry out this process, under the direction of the General Manager or other appropriate staff member. The General Manager, or their designee, will serve as the WSCP project manager and will coordinate maintenance of the plan, conduct the formal review process, and direct the plan updates. The project manager will assign tasks, which may include collecting data, developing new or updated water shortage mitigation measures, updating sections of the plan, and presenting the plan to others.

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RESOLUTION NO. 681

**RESOLUTION OF THE BOARD OF DIRECTORS OF
CRESCENTA VALLEY WATER DISTRICT
ADOPTING A WATER CONSERVATION ALERT SYSTEM**

WHEREAS, the Crescenta Valley Water District was established for the purpose of providing adequate and reliable potable water to its inhabitants at a reasonable cost; and

WHEREAS, the groundwater supply in the Verdugo Basin is utilized as the primary source of water for District customers; and

WHEREAS, consecutive years of below normal precipitation in the watersheds of the Verdugo Basin have severely reduced the groundwater production capacity and individual well reliability in the Verdugo Basin and hence the water supply available to the District; and

WHEREAS, the District's imported water supply connections with the Foothill Municipal Water District and the emergency water supply interconnection with the City of Glendale, both which provide a supplemental source of water for District customers, are limited in size and capacity, may be subjected to random mechanical failures, and are being subjected to increased demands; and

WHEREAS, the District's imported water supply may be subject to a reduced water allotment from the Foothill Municipal Water District should the Metropolitan Water District of Southern California put into effect their approved allocation plan; and

WHEREAS, the above limitations have created the possibility that the District may be unable to meet customer demand during periods of high water use such as hot weather; and

WHEREAS, the District's Phase I Voluntary Water Conservation Program has been only minimally successful in reducing water demand; and

WHEREAS, conservation of water by District customers will help the District supply water for customers and keep water in storage for fire protection during peak periods; and

WHEREAS, peak summer water demands are generally considered to be caused by outdoor water use and the District should place special emphasis on outdoor water conservation; and

WHEREAS, the District, through its public information program, should advise and alert its customers to the serious nature of the situation and the need for a reduction in demand by customers through the use of a conservation alert system; and

WHEREAS, the District has the power and authority, under Section 375 of the California Water Code, to adopt water conservation measures for activities within its service area; and

WHEREAS, given the current conditions, the District finds it necessary and beneficial to undertake the second phase of its water conservation program; and

NOW, THEREFORE, BE IT RESOLVED, that the General Manager is authorized to implement a color-coded water conservation alert system, as Phase II of the goal to reduce the risk and severity of water shortage; and

BE IT FURTHER RESOLVED, that the Crescenta Valley Water District requires its customers to follow the alert system described below:

- a. Color Code “Blue” is defined as the Normal Water Conservation Alert, Foothill Municipal Water District can meet all Member Agency demands. Standard water conservation applies as defined in Appendix G of the Rules and Regulations.
- b. Color Code “Green” is defined as an Increased Voluntary Conservation Alert, some supplies have been impacted and customers should increase efforts to conserve by following strict water conservation practices indoors and limiting outdoor water use to odd or even days, based on ending number of customer address.
- c. Color Code “Yellow” is defined as an Extraordinary Conservation Alert, when Metropolitan Water District of Southern California is pulling water from most of its storage programs to meet demands. Extraordinary conservation is called for from customers. Customers are requested to minimize indoor water use and water outdoors no more than three (3) days per week. Outdoor irrigation will be permitted only on Tuesday, Thursday, and Saturday.
- d. Color Code “Orange” is defined as a Rationing Conservation Alert, when Metropolitan Water District of Southern California has implemented its allocation plan to its member agencies. Customers are requested to minimize indoor water use and severely limit outdoor water use as further detailed in Appendix G of the District Rules and Regulations.
- e. Color Code “Red” is defined as a Critical Water Conservation Alert, when water supplies are only available for health and safety needs. Customers are requested to minimize indoor water use and curtail all outdoor water use as further detailed in Appendix G of the District’s Rules and Regulations.

BE IT FURTHER RESOLVED, that the Board of Directors of the Crescenta Valley Water District authorize that Appendix G of the District’s Rules and Regulations is amended to read as attached; and

BE IT FURTHER RESOLVED, that if critical water shortages continue to exist and if a water conservation alert system proves insufficient to accomplish the necessary conservation, the Crescenta Valley Water District will consider additional and more restrictive phases of water conservation to curtail water use. Likewise, should water supply conditions return to normal, the Crescenta Valley Water District will also consider ending this program at such time.

PASSED, APPROVED, AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on January 7, 2009, Resolution No. 681 was adopted by the following vote:

AYES: Directors

NOES: Directors None

ABSTAIN: Directors None

**ATTEST: President, Board of Directors
Crescenta Valley Water District**

Secretary of the Board of Directors

STATE OF CALIFORNIA)

) ss.

COUNTY OF LOS ANGELES)

I, RON MITCHELL, Secretary of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No. 681 of the Board of Directors of Crescenta Valley Water District adopted at a Regular Meeting held on January 7, 2009, and that the same has not been amended or repealed.

**Secretary of the Board of Directors of
Crescenta Valley Water District**

DATED: March 27, 2009 (S E A L)

RESOLUTION NO. 682

**RESOLUTION OF THE BOARD OF DIRECTORS OF
CRESCENTA VALLEY WATER DISTRICT
ADOPTING A WATER CONSERVATION PROGRAM (PHASE I)**

WHEREAS, the Crescenta Valley Water District was established for the purpose of providing adequate and reliable potable water to its inhabitants at a reasonable cost; and

WHEREAS, the groundwater supply in the Verdugo Basin is utilized as the primary source of water for District customers; and

WHEREAS, consecutive years of below normal precipitation in the watersheds of the Verdugo Basin have severely reduced the groundwater production capacity in the Verdugo Basin and hence the water supply available to the District; and

WHEREAS, the District's imported water supply connections with the Foothill Municipal Water District, which provide a supplemental source of water for District customers, are limited in size and capacity and are being subjected to increased demands; and

WHEREAS, the District's imported water supply may be subject to a reduced water allotment from the Foothill Municipal Water District should the Metropolitan Water District of Southern California put into effect their approved allocation plan; and

WHEREAS, California has experienced an energy crisis which has resulted in extremely high energy costs; and

WHEREAS, the District is a user of significant quantities of energy to meet its system demands for the production, transmission, and distribution of water; and

WHEREAS, conservation of water by District customers will help relieve the problems caused by the shortage in supply and the increase in energy costs; and

WHEREAS, the District, through its public information program, should advise and alert its customers to the serious nature of the situation and the need for a reduction in demand by customers; and

WHEREAS, the District has the power and authority, under Section 375 of the California Water Code, to adopt water conservation measures for activities within its service area; and

WHEREAS, given the current conditions, the District finds it necessary and beneficial to undertake a phased water conservation program; and

NOW, THEREFORE, BE IT RESOLVED, that the General Manager is authorized to implement a water conservation program, as Phase I of the goal to reduce water use below pre-drought water usage, to reduce the risk and severity of water shortage; and

BE IT FURTHER RESOLVED, that the Crescenta Valley Water District prohibits the following water usage to all of its customers:

Prohibited Use Applicable to ALL Customers

1. **Water hose usage:** Hose washing of sidewalks, walkways, driveways, or parking areas, tennis courts, patios, porches or other paved areas shall not be permitted. Exception: Flammable or other dangerous substances may be disposed of by direct hose flushing by public safety officers for the benefit of public health and safety. Businesses or schools required to hose down public eating areas will be provided with access to a water broom.
2. **Overspray and runoff:** Use of water for any purpose which results in overspray, excessive runoff onto hardscapes, driveways, street, adjacent lands or into gutters shall not be permitted.
3. **Fountains, similar structures:** Water used to clean, fill or maintain levels in decorative fountains or similar structures must be part of a recirculation system.
4. **Leaks:** Leaks from any facility both inside and outside of a customer's premises must be repaired within seventy-two hours after the customer is notified of, or discovers the leak. Failure to affect the repair of any leak shall subject said customer to all penalties provided herein for waste of water.
5. **Irrigating times: Irrigating times:** No watering, sprinkling or irrigating shall take place between the hours of nine a.m. (9:00AM) and five p.m. (5:00PM) in any landscaped or vegetated areas, including, including, but not limited to, golf courses, parks, cemeteries and school areas landscaped with, but not limited to, grass, lawn, groundcover, shrubbery, annual and perennial plants, crops, trees, and California-friendly plantings. With the exception of drip irrigation systems or weather based irrigation controllers, residential timers shall not run for more than a 10 minutes per station.
6. **Hand Watering:** Hand watering of non-turf areas is allowed using a hose with a positive shut-off nozzle or watering can within the allowable times as specified above.
7. **Windy and rainy days:** No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray. No irrigation or watering of turf or ornamental-landscapes during and 48 hours following measurable precipitation.
8. **Vehicle washing:** The washing of commercial and non-commercial privately owned automobiles, trucks, trailers, motor-homes, boats, buses, airplanes and other types of vehicles is restricted to use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle. Exceptions: the use of wash water which is on the immediate premises of a commercial car wash or commercial service station; where health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles which transport food and perishables.
9. **Swimming pools:** Owners of outdoor swimming pools, wading pools or spas, when these are not in use, are requested to use covers to minimize the evaporation of water.

- 10. Construction water restrictions:** Water for construction purposes including but not limited to de-brushing of vacant land, compaction of fills and pads, trench backfill and other construction uses, shall be used in an efficient manner which will not result in runoff.
- 11. Fire hydrants:** The use of potable water from fire hydrants shall be limited to firefighting, related activities or other activities immediately necessary to maintain the health, safety, and welfare of the residents of the city.
- 12. Drinking water upon request:** No restaurant, hotel, café, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any customer unless expressly requested by a customer.
- 13. Hotels/Motels:** Hotels, motels, and other commercial lodging establishments are requested to post notices informing their guests about the city's water conservation policy and urging guests to conserve water. Water conservation notices will be provided by CVWD.
- 14. Hotels/Motels:** Hotels, motels and other commercial lodgings are requested to post notices giving their guests the option of not laundering towels and linens daily.
- 15. Reporting waste of water:** The District shall maintain a program for residents to report waste of water throughout the District boundaries. This will include an online submittal form, a dedicated phone number, and follow-up by District staff on all waste of water reports. Residents are requested to report any observed waste of water from surrounding properties or in the community and report to the District for follow-up.
- 16. Pre-rinse spray valve:** Where applicable, restaurants must utilize water conserving nozzles.
- 17. New Development.** 1). Prohibit water waste such as, but not limited to: single-pass cooling systems; conveyor and in-bay vehicle wash and commercial laundry systems which do not reuse water; non-re-circulating decorative water fountains, and address irrigation, landscape, and industrial, commercial, and other design deficiencies. 2). Enacts and enforces ordinances or establishes terms of service for water efficient design in new development, and supports local ordinances that establish permits for water efficient design in new development.

BE IT FURTHER RESOLVED, that the Crescenta Valley Water District urges the following water conservation practices to all of its customers:

1. Reduce the amount of turf and install new drought tolerant landscaping, low-water using trees and plants, and efficient irrigation systems including but not limited to evapotranspiration (ET) controllers, drip irrigation, and “high efficiency sprinkler heads”.
2. Wash only full loads of dishes or clothes in automatic washers, and do not allow indoor faucets to run continuously.
3. Turn off water system when leaving property unoccupied for an extended period of time.

VIOLATIONS

For any customer of the District in violation of the provisions listed in the Waste of Water Ordinance:

First Violation: The District shall issue a written notice of the fact of such violation to the customer.

Second Violation: The District shall issue a written warning to the customer of the fact of such second violation with a statement of the possible penalties for the present violation for which the notice was written, the possible penalties for each subsequent violation should they occur, and a written copy of this resolution.

Third Violation: The District shall install a flow-restricting device of one gallon per minute (1gpm) capacity for services up to one and one-half inch size, and comparatively sized restrictors for larger service, on the service of the customer at the premises at which the violation occurred for a period of not less than forty-eight hours.

The charge for installing a flow-restricting device shall be based upon the size of the meter and shall not exceed \$150.00.

The charge for removal of the flow-restricting device and restoration of normal service shall not exceed \$100.00. Restoration of normal service will be performed during regular working hours on regular working days.

For any subsequent violation or any willful violation: The District shall either install a flow-restricting device, for a period of time not less than one week or discontinue water service to that customer at the premises at which the violation occurred.

The charge for installing a flow-restricting device shall be based upon the size of the meter and shall not exceed \$200.00.

The charge for removal of the flow-restricting device and restoration of normal service shall not exceed \$150.00. Restoration of normal service will be performed during regular working hours on regular working days.

Notice: The District shall give notice of each violation to the customer committing such violation as follows:

For the first violation: The District shall give written notice of the fact of such violation to the customer personally or by United States regular mail.

For the second violation: The District shall give written notice of the fact of such violation to the customer by United States certified mail, return receipt requested.

For any subsequent violations: If the penalty assessed is, or includes the installation of a flow-restrictor or the discontinuance of water service to the customer for any period of time whatsoever, notice of the fact of the violation shall be delivered fifteen (15) working days before the penalty is to be enacted, in the following manner:

- ✚ Personal delivery of written notice to the customer at their residence or place of business and obtain their signature of delivery.
- ✚ Return receipt delivery to customer at their residence or place of business.

All notices shall contain, in addition to the facts of the violation, a statement of the possible penalties for the present violation for which the notice was written and each subsequent violation, a statement of the anticipated date of the penalty, if any, will be enacted for the present violation, and a statement informing the customer of the customer's right to a hearing on the violation.

Hearing: Any customer against whom a restriction or limitation is levied has the right to a hearing and a right to appeal to the Board of Directors. Written request from customer to the District must be received within fifteen (15) working days of the date of notification of the violation. Before the hearing can be scheduled all existing plumbing fixtures in the structure must be retrofitted exclusively with water-conserving plumbing fixtures including low flush or high efficiency toilets, low flow showerheads, and aerators. A water audit will be used to verify installation.

Enactments of the appropriate penalty shall be deferred until the appeal is resolved.

If the appeal decision is NOT in favor of the customer, the determined penalty shall be enacted within ten (10) days after the customer is advised of the decision in writing through certified mail, return receipt requested.

Reservation of Rights: The rights of the District hereunder shall be cumulative to any other right of the District to discontinue service. All monies collected by the District pursuant to any of the penalty provisions of the chapter shall be deposited in the water revenue fund as reimbursement for the District's costs and expenses of administering and enforcing this ordinance.

BE IT FURTHER RESOLVED, that the Crescenta Valley Water District finds that a program of voluntary measures to reduce consumption will assist in achieving the goal of conserving the water supply without causing unnecessary adverse economic consequences; and

BE IT FURTHER RESOLVED, that the Board of Directors of the Crescenta Valley Water District authorize that Section 8.07(c) and Appendix G of the District's Rules and Regulations are amended to read as attached; and

BE IT FURTHER RESOLVED, that if critical water shortages continue to exist and if current measures prove insufficient to accomplish the necessary conservation, the Crescenta Valley Water District will consider additional and more restrictive phases of water conservation to curtail water use. Likewise, should water supply conditions return to normal, the Crescenta Valley Water District will also consider ending this program.

PASSED, APPROVED, AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on April 7, 2015, amendments to Resolution No. 682 were adopted by the following vote:

AYES:

NOES:

None

ABSENT:

None

ATTEST:

**President, Board of Directors
Crescenta Valley Water District**

Secretary of the Board of Directors

STATE OF CALIFORNIA)
)
COUNTY OF LOS ANGELES) ss.

I, RON MITCHELL, Secretary of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of the amendments to Resolution No. 682 of the Board of Directors of Crescenta Valley Water District adopted at a Regular Meeting held on April 7, 2015 and that the same has not been amended or repealed.

**Secretary of the Board of Directors of
Crescenta Valley Water District**

DATED: April 7, 2015

(S E A L)

Date	Revisions	Approved by Board	Initials
04/07/2015	1. Revise Resolution 682: Windy and rainy days: No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray, and on days when it is raining. 2. Add the following: Windy and rainy days: No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray. No irrigation or watering of turf or ornamental-landscapes during and 48 hours following measurable precipitation.		

APPENDIX G

CRESCENTA VALLEY WATER DISTRICT WATER CONSERVATION PROGRAM

CRESCENTA VALLEY WATER DISTRICT

APPENDIX G

WATER CONSERVATION PROGRAM

GENERAL STATEMENT

1. Due to the water supply conditions prevailing in the Crescenta Valley Water District (CVWD) and/or in the area from which CVWD obtains a portion of its water supply, the general welfare requires that:
 - The water resources available to the CVWD be put to the maximum beneficial use;
 - The waste or unreasonable use, or unreasonable method of use of water be prevented;
 - The conservation of such water be practiced with a view to the reasonable and beneficial use thereof in the interest of the customers of CVWD and for the public health and safety.
2. The purpose of this program is to provide water conservation regulations, in a phased approach, to minimize the effect of a shortage of water supplies on the customers of CVWD during various critical stages of a water shortage.

PHASE I –NORMAL WATER CONSERVATION

Phase I standard water conservation practices will be in effect at all times. The CVWD Board of Directors has adopted the following measures to reduce consumption and prohibit water waste for existing and new water users within CVWD in order to sustain water supply reliability.

Prohibited Use Applicable to Existing and New Customers

1. **Water hose usage:** Hose washing of sidewalks, walkways, driveways, or parking areas, tennis courts, patios, porches or other paved areas shall not be permitted. Exception: Flammable or other dangerous substances may be disposed of by direct hose flushing by public safety officers for the benefit of public health and safety. Businesses or schools required to hose down public eating areas will be provided with access to a water broom.
2. **Overspray and runoff:** Use of water for any purpose which results in overspray, excessive runoff onto hardscapes, driveways, streets, adjacent lands or into gutters shall not be permitted.
3. **Fountains, similar structures and swimming pools:** Water used to clean, fill or maintain levels in decorative fountains or similar structures must be part of a recirculation system.
4. **Leaks:** Leaks from any facility both inside and outside of a customer's premises must be repaired within seventy-two hours after the customer is notified of, or discovers the leak. Failure to affect the repair of any leak shall subject said customer to all penalties provided herein for waste of water.
5. **Irrigating times:** No watering, sprinkling or irrigating shall take place between the hours of nine a.m. (9:00AM) and five p.m. (5:00PM) in any landscaped or vegetated areas, including, but not limited to, golf courses, parks, cemeteries and school areas landscaped with, but not limited to, grass, lawn, groundcover, shrubbery, annual and perennial plants, crops, trees, and California-friendly plantings.

6. **Hand Watering:** Hand watering of non-turf areas is allowed using a hose with a positive shut-off nozzle or watering can within the allowable times as specified above.
7. **Windy and rainy days:** No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray. No irrigation or watering of turf or ornamental-landscapes during and 48 hours following measurable precipitation.
8. **Vehicle washing:** The washing of commercial and non-commercial privately owned automobiles, trucks, trailers, motor-homes, boats, buses, airplanes and other types of vehicles is restricted to use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle. Exceptions: the use of wash water which is on the immediate premises of a commercial car wash or commercial service station; where health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles which transport food and perishables.
9. **Swimming pools:** Owners of outdoor swimming pools, wading pools or spas, when these are not in use, are requested to use covers to minimize the evaporation of water.
10. **Construction water restrictions:** Water for construction purposes including but not limited to de-brushing of vacant land, compaction of fills and pads, trench backfill and other construction uses, shall be used in an efficient manner which will not result in runoff.
11. **Fire hydrants:** The use of potable water from fire hydrants shall be limited to firefighting related activities or other activities immediately necessary to maintain the health, safety, and welfare of the residents of the city.
12. **Drinking water upon request:** No restaurant, hotel, café, cafeteria or other public place where food is sold, served or offered for sale, shall serve drinking water to any customer unless expressly requested by a customer.
13. **Hotels/Motels:** Hotels, motels, and other commercial lodging establishments are requested to post notices informing their guests about the city's water conservation policy and urging guests to conserve water. Water conservation notices will be provided by CVWD.
14. **Hotels/Motels:** Hotels, motels and other commercial lodgings are requested to post notices giving their guests the option of not laundering towels and linens daily.
15. **Reporting waste of water:** The District shall maintain a program for residents to report waste of water throughout the District boundaries. This will include an online submittal form, a dedicated phone number, and follow-up by District staff on all waste of water reports. Residents are requested to report any observed waste of water from surrounding properties or in the community and report to the District for follow-up.
16. **Pre-rinse spray valve:** Where applicable, restaurants must utilize water conserving nozzles.
17. **New Development** (new commercial and multi-family accounts):
 - 1) All new commercial and multi-family accounts are prohibited from water waste such as, but not limited to: single-pass cooling systems; conveyor and in-bay vehicle wash and commercial laundry systems which do not reuse water; non-recirculating decorative water fountains.
 - 2) All landscape must be in accordance with the permitting agency's landscape ordinance. If the permitting agency does not have a landscape ordinance, the Department of Water Resources Model Landscape Ordinance will apply.

BE IT FURTHER RESOLVED, Crescenta Valley Water District urges the following water usage to all of its customers:

1. To reduce the amount of turf and install new drought tolerant landscaping, low-water using trees and plants, and efficient irrigation systems including but not limited to ET controllers, drip irrigation, and “high efficiency sprinkler heads”.
2. To wash only full loads of dishes or clothes in automatic washers, and do not allow indoor faucets to run continuously.
3. To turn water system off when leaving property unoccupied for an extended period of time.
4. To use covers to minimize the evaporation of water from outdoor swimming pools, wading pools or spas when they are not in use.

WATER CONSERVATION ALERT SYSTEM

When a water conservation alert system is implemented by direction of the General Manager, the following measures to reduce water consumption will be required for all water users within CVWD.

- a. Color Code **“Blue”** is defined as the Normal Water Conservation Alert, ~~Foothill Municipal Water District~~ Crescenta Valley Water District can meet all Member Agency demands. Standard water conservation applies as defined in Appendix G of the Rules and Regulations. Outdoor Watering is limited to -days of the week.
- b. Color Code **“Green”** is defined as an Increased Voluntary Conservation Alert, some supplies have been impacted and customers should increase efforts to conserve by following strict water conservation practices indoors and limiting outdoor water use to odd or even days, based on ending number of customer address.
- c. Color Code **“Yellow”** is defined as an Extraordinary Conservation Alert, when Metropolitan Water District of Southern California is pulling water from its storage programs to meet demands. Extraordinary conservation is called for from customers. Customers are requested to minimize indoor water use and water outdoors no more than three (3) days per week. Outdoor irrigation will be permitted only on Tuesday, Thursday, and Saturday.
- d. Color Code **“Orange”** is defined as a Rationing Allocation Conservation Alert, when Metropolitan Water District of Southern California has implemented its allocation plan to its member agencies. Customers are requested to minimize indoor water use and severely limit outdoor water use as follows:
 1. Residential and commercial landscape irrigation is limited to no more than two (2) days per week on Tuesday and Saturday.
 2. Exemption: Public use areas owned and/or operated by School Districts are exempt from watering days, and public use areas greater than 4,000 square feet are exempt from watering days so long as best management practices are applied by all.
 3. The filling, refilling or adding of water to indoor and outdoor pools, wading pools, or spas is prohibited. Exemptions: Commercial Repairs mandated by the Federal Virginia Graeme Baker Act, or adding water for the prevention of equipment failure is permissible, however, the District strongly urges that a cover be used to prevent evaporation and thereby reducing the frequency of refilling..

4. The use of water to clean, maintain, fill, or refill decorative fountains or similar structures is prohibited. Exemptions: Adding water for the prevention of equipment failure is permissible.
 5. Vehicle washing is restricted to the use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle.
 6. Fix leaks within 48 hours.
- e. Color Code **“Red”** is defined as a Critical Water Conservation Alert, when water supplies are only available for health and safety needs. Customers are required to minimize indoor water use and curtail all outdoor water use. Fix any leaks within 24 hours.

Notification of the Water Conservation Alert System status on any given day shall be visibly posted at the exterior of the District’s Administration Office (2700 Foothill Blvd., La Crescenta) and other accessible locations throughout the District service area where allowed. At least one direct mailing shall be made to all water customer accounts, with notification and explanation of the alert system. Newspaper coverage will also be used to disseminate alert system status and water conservation updates.

APPENDIX G

Date	Revisions	Approved by Board	Initials
04/28/2010	Residential and commercial landscape irrigation has been increased from two (2) days per week to no more than three (3) days per week on Tuesday, Thursday and Saturday. Watering limits have been reduced to seven (7) minutes per watering station from (10) minutes per station.	04/27/2010	
07/11/12	1. Revise "Prohibited Use Applicable to <u>all</u> Customers" was revised to "Prohibited Use Applicable to <u>Existing and New</u> Customers" 2. Add the following: 17. New Development (new commercial and multi-family accounts) 1) All new commercial and multi-family accounts are prohibited from water waste such as, but not limited to: single-pass cooling systems; conveyor and in-bay vehicle wash and commercial laundry systems which do not reuse water; non-recirculating decorative water fountains. 2) All landscape must be in accordance with the permitting agency's landscape ordinance. If the permitting agency does not have a landscape ordinance, the Department of Water Resources Model Landscape Ordinance will apply.	07/10/12	
7/23/14	1. Revised Orange Alert from three (3) days per week to two (2) days per week, Tuesdays and Saturdays	7/23/2014	
4/7/15	1. Revise Appendix "G": Windy and rainy days: No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray, and on days when it is raining. 2. Add the following: Windy and rainy days: No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray. No irrigation or watering of turf or ornamental-landscapes during and 48 hours following measurable precipitation.		

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WATER CONSERVATION ALERT SYSTEM

When a water conservation alert system is implemented by direction of the General Manager, the following measures to reduce water consumption will be required for all water users within CVWD.

- f. Color Code **“Blue”** is defined as the Normal Water Conservation Alert, ~~Foothill Municipal Water District~~ Crescenta Valley Water District can meet all ~~Member Agency~~ customer demands. Standard water conservation applies as defined in Appendix G of the Rules and Regulations. Outdoor Watering is limited to 3-days of the week.
- g. Color Code **“Green”** is defined as an Increased Voluntary Conservation Alert, some supplies have been impacted and customers should increase efforts to conserve by following strict water conservation practices indoors and limiting outdoor water use to odd or even days, based on ending number of customer address.
- h. Color Code **“Yellow”** is defined as an Extraordinary Conservation Alert, when Metropolitan Water District of Southern California is pulling water from its storage programs to meet demands, the State Water Resources Control Board has a mandated conservation regulation in effect, or Crescenta Valley Water Districts are groundwater levels are XX% below the standard 3-year average.
- i. Extraordinary conservation is called for from customers. Customers are requested to minimize indoor water use and water outdoors no more than three (3) days per week. Outdoor irrigation will be permitted only on Tuesday, Thursday, and Saturday.
- j. Color Code **“Orange”** is defined as a Rationing Mandated Conservation Alert, when Metropolitan Water District of Southern California has implemented its allocation plan to its member agencies, the District is not projecting to meet any established State Water Resources Control Board, or Department of Water Resources mandated conservation target, or Crescenta Valley Water District’s groundwater levels are XX% below the standard 3-year average. Customers are requested to minimize indoor water use and severely limit outdoor water use as follows:
 1. Residential and commercial landscape irrigation is limited to no more than two (2) days per week on Tuesday and Saturday.
 2. Exemption: Public use areas owned and/or operated by School Districts are exempt from watering days, and public use areas greater than 4,000 square feet are exempt from watering days so long as best management practices are applied by all.
 3. The filling, refilling or adding of water to indoor and outdoor pools, wading pools, or spas is prohibited. Exemptions: Commercial Repairs mandated by the Federal Virginia Graeme Baker Act, or adding water for the prevention of equipment failure is permissible, however, the District strongly urges that a cover be used to prevent evaporation and thereby reducing the frequency of refilling.
 4. The use of water to clean, maintain, fill, or refill decorative fountains or similar structures is prohibited. Exemptions: Adding water for the prevention of equipment failure is permissible.
 5. Vehicle washing is restricted to the use of a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle.
 6. Fix leaks within 48 hours.

- k. Color Code “Red” is defined as a Critical Water Conservation Alert, when water supplies are only available for health and safety needs. Customers are required to minimize indoor water use and curtail all outdoor water use. Fix any leaks within 24 hours.

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
June 08, 2021

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa – General Manager
Subject: Adoption of FY 2021-22 Pay Schedules for CalPERS Compliance

ACTION ITEM:

Consideration and motion to adopt the current pay schedules.

BACKGROUND:

The California Code of Regulations Section 570.5 requires pay schedules to be approved and adopted by the Board of Directors on an annual basis. The pay schedules must be publicly available and include position, payrate and time basis for payrate.

The District's Memorandum of Understanding (MOU) and Terms & Conditions with its employees determines the cost of living adjustment (COLA). Effective on July 1 of each year, the COLA is defined as 90% of the Bureau of Labor Statistics Consumer Price All Index for Urban Wage Earners and Clerical Workers (CPI-W) for Los Angeles-Long Beach-Anaheim for the month of February. The CPI-W for February 2021 was 1.44%, and the corresponding COLA is 1.30%.

The pay schedules are accounted for in the approved budget for FY 2021-22, and a copy of the schedules is enclosed.

RECOMMENDATION

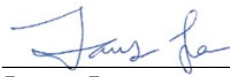
Approve the District's pay schedules for FY 2021-22.

Prepared by:



Arturo Montes
Finance & Administration Manager

Submitted by:



James Lee
Director of Finance & Administration

Attachment(s):

1. Current pay schedules for FY 2021-22



Crescenta Valley Water District
Pay Schedules (Monthly)

Effective 7/1/2021 to 6/30/2022

CPI-W 1.44%

COLA 1.30%

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10	Step 11	MAX
ACCOUNTING CLERK	\$4,337	\$4,445	\$4,557	\$4,670	\$4,787	\$4,907	\$5,030	\$5,155	\$5,284	\$5,416	\$5,552	\$5,829
ADMIN ASSISTANT	\$4,397	\$4,507	\$4,619	\$4,735	\$4,853	\$4,974	\$5,099	\$5,226	\$5,357	\$5,491	\$5,628	\$5,909
ASSISTANT ENGINEER	\$5,842	\$5,988	\$6,138	\$6,291	\$6,449	\$6,610	\$6,775	\$6,945	\$7,118	\$7,296	\$7,479	\$7,853
ASSOCIATE ENGINEER	\$7,133	\$7,312	\$7,494	\$7,682	\$7,874	\$8,071	\$8,272	\$8,479	\$8,691	\$8,908	\$9,131	\$9,588
CREW LEADER	\$5,122	\$5,250	\$5,381	\$5,516	\$5,654	\$5,795	\$5,940	\$6,088	\$6,241	\$6,397	\$6,557	\$6,884
CUST SERVICE SUPERVISOR	\$5,516	\$5,654	\$5,795	\$5,940	\$6,089	\$6,241	\$6,397	\$6,557	\$6,721	\$6,889	\$7,061	\$7,414
CUST SERV/BACKFLOW IN	\$4,868	\$4,990	\$5,114	\$5,242	\$5,373	\$5,508	\$5,645	\$5,787	\$5,931	\$6,080	\$6,231	\$6,543
CUST SERVICE CLERK	\$3,688	\$3,780	\$3,875	\$3,971	\$4,071	\$4,172	\$4,277	\$4,384	\$4,493	\$4,606	\$4,721	\$4,957
ELECTRICAL/TELEMETRY	\$6,887	\$7,059	\$7,235	\$7,416	\$7,601	\$7,791	\$7,986	\$8,186	\$8,391	\$8,600	\$8,815	\$9,256
INSPECTOR	\$7,030	\$7,205	\$7,386	\$7,570	\$7,760	\$7,954	\$8,152	\$8,356	\$8,565	\$8,779	\$8,999	\$9,449
MAINTENANCE WORKER I	\$4,383	\$4,493	\$4,605	\$4,720	\$4,838	\$4,959	\$5,083	\$5,210	\$5,340	\$5,474	\$5,611	\$5,891
MAINTENANCE WORKER II	\$4,880	\$5,002	\$5,127	\$5,255	\$5,386	\$5,521	\$5,659	\$5,800	\$5,945	\$6,094	\$6,246	\$6,559
METER READER	\$4,072	\$4,173	\$4,278	\$4,385	\$4,494	\$4,607	\$4,722	\$4,840	\$4,961	\$5,085	\$5,212	\$5,472
OPERATIONS COORDINATOR	\$4,880	\$5,002	\$5,127	\$5,255	\$5,386	\$5,521	\$5,659	\$5,800	\$5,945	\$6,094	\$6,246	\$6,559
OPERATIONS COORDINATOR II	\$5,367	\$5,502	\$5,639	\$5,780	\$5,925	\$6,073	\$6,225	\$6,380	\$6,540	\$6,703	\$6,871	\$7,214
PLANT MAINTENANCE SPEC	\$5,649	\$5,790	\$5,935	\$6,083	\$6,235	\$6,391	\$6,551	\$6,715	\$6,883	\$7,055	\$7,231	\$7,593
PROJECT COORDINATOR	\$5,113	\$5,241	\$5,372	\$5,506	\$5,644	\$5,785	\$5,930	\$6,078	\$6,230	\$6,385	\$6,545	\$6,872
SENIOR ENG TECHNICIAN	\$6,293	\$6,450	\$6,611	\$6,777	\$6,946	\$7,120	\$7,298	\$7,480	\$7,667	\$7,859	\$8,055	\$8,458
SUPERVISOR	\$6,244	\$6,400	\$6,560	\$6,724	\$6,892	\$7,064	\$7,241	\$7,422	\$7,607	\$7,797	\$7,992	\$8,392
SYSTEM OPERATOR	\$5,485	\$5,622	\$5,762	\$5,906	\$6,054	\$6,206	\$6,361	\$6,520	\$6,683	\$6,850	\$7,021	\$7,372
WATER CONSER. SPECIALIST	\$4,397	\$4,507	\$4,619	\$4,735	\$4,853	\$4,974	\$5,099	\$5,226	\$5,357	\$5,491	\$5,628	\$5,909

	MIN	MAX
DIRECTOR OF ENGINEERING	\$10,763	\$14,837
ENGINEERING MANAGER	\$8,483	\$11,782
SENIOR ENGINEER	\$7,712	\$10,711
CUSTOMER SERVICE MANAGER	\$5,788	\$7,962
DIRECTOR OF OPERATIONS	\$9,227	\$12,253
REGULATORY AND PUBLIC AFFAIRS MANAGER	\$8,206	\$10,988
DIRECTOR OF FINANCE & ADMINISTRATION	\$11,019	\$15,044
FINANCE & ADMINISTRATION MANAGER	\$8,086	\$11,205

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 3
June 8, 2021

To: Honorable President and Members of the Board of Directors
From: James Lee – Director of Finance and Administration
Subject: **Budget & Proposition 218 Process**

ACTION ITEM:

Placeholder for discussion and possible action for schedule, timing, and other considerations related to completing the budget and Proposition 218 process, including the Water and Wastewater Rate Study.

DISCUSSION:

This action item serves as a placeholder for any discussion related to the schedule and timing for completing the budget, Prop 218 process, and related considerations. A schedule of meetings and tasks is updated on an ongoing basis and included with each placeholder.

RECOMMENDATION

NA.

Submitted by:



James Lee
Director of Finance & Administration

Attachment(s): 1) CVWD Meeting Schedule (ongoing updates)

g:\management\board meeting staff reports\2021\06-08-21 Board Memo - Budget & Prop 218 Placeholder.docx

FY 2021/22 - CVWD Meeting Schedule <i>(ongoing updates)</i>		
Date	Agenda	Status
Week of 3/15	Finance Committee Meeting (CIP & Budget Discussion) * Engineering Committee Meeting *	✓
Week of 3/15	Community Advisory Committee Meeting *	✓
3/23	Board Meeting - Budget Discussion	✓
Week of 3/29	Finance Committee Meeting (Cost of Service & Rate Design / Budget) * Engineering Committee Meeting *	✓
Week of 3/29	Community Advisory Committee Meeting *	✓
4/13	Board Meeting - Budget Discussion	✓
Week of 4/19	Finance Committee Meeting * Engineering Committee Meeting *	✓
Week of 4/19	Community Advisory Committee Meeting *	✓
4/27	Board Meeting - Budget Discussion	✓
5/11	Board Meeting	✓
Week of 5/10	Finance Committee Meeting (Sewer Pass through / Budget) * Engineering Committee Meeting *	✓
5/25	Board Meeting - (FY 2022 Budget Approved)	✓
6/8	Board Meeting	
Week of 6/14	Community Relations Committee (Prop 218 Notice) *	
6/22	Board Meeting - Review Prop 218 Notice	
Week of 7/5	Finance Committee Meeting (Draft Cost-of-Service Report) * Engineering Committee Meeting *	
7/13	Board Meeting - Review/Approve 218 Notice	
Week of 7/12	Send 218 Notice to Printer	
Week of 7/26	Send out Prop 218	
7/27	Board Meeting	
8/10	Board Meeting	
8/24	Board Meeting	
Week of 9/13	Prop 218 Letters - 45 days	
9/14	Public Hearing - Last Day for 218 protest letters - Water/Wastewater Rates Board Meeting	
9/28	Board Meeting - Adopt Rates & Budget	
10/1	Implement Adopted Rates	

* Subsequent meetings will be scheduled as needed.

CRESCENTA VALLEY WATER DISTRICT

General Manager Report

GM Report
June 8, 2021

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa, General Manager
Subject: **General Manager Report**

General Manager's Report Topics:

- GM Activities

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

- Pancake Breakfast (reminder)
- Operational Activities
- Water Production, Hydrology, Engineering Projects

STAFFING

Two (2) employees have a work anniversary in June. Dave Gould – 24 years, Jake Whittaker – 6 years.

As of June 3rd the District has gone 562 days without a lost time accident.

GENERAL MANAGER ACTIVITIES

Meetings:

Management Staff Meeting	- June 7 th
COVID-19 Update	- June 1 st
Meeting with FMWD General Manager	- May 27 th

Submitted by:



Nem Ochoa
General Manager

Field Maintenance and Operations Report

May 2021

0

Water Main Repairs

11

Water Service
Repairs/Replacements

53

$\frac{3}{4}$ " & 1" Meters Replaced

53

Meter Boxes Cleaned

13,057

Sewer Pipe Cleaned (ft)

- **Field Maintenance Projects**

- * Developer Jobs: 0

- **Operations Report**

- * Disinfection/Treatment Maintenance:

- Hach Analyzer Site Service
- Rosemont – Return to service

- * Booster Pump Maintenance:

- Rosemont & Edmund #2 – Pressure control valve service

- **Electrical/Telemetry**

- * Installed exhaust fans @ Encinal, Dunsmore & Oak Creek Reservoir
- * Well 12 Airlift Project
- * Main Office Lighting Project
- * Motor Control Center maintenance @ Oak Creek

- **Wastewater Lift Station**

- * De-ragged pumps, check valves & added degreaser as needed

Field Maintenance and Operations Report

May 2021

Days without a lost-time incident: **561**

4

After Hours Leaks/Repairs

8

Fire Hydrant Maintenance
Program: 0 Rebuild, 1 Replaced, 7 painted

179

Water Quality Samples

105

Valves Exercised

1

Valve Replacements

- **Training/Cross Training**

- * Mini Excavator:
 - Rob W.

- **New Certification**

- * Jonathan R. – Collections 1

- **Safety**

- * COVID protocols: Continued cleaning
 - Vaccinations: 1 field employees received Round 2
- * Monthly Safety Meeting: Proper PPE

Engineering Report

June 8, 2021
Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – Director of Engineering
Subject: **Engineering Report – May 2021**

1. Water Production Report

- May 1 – 31 – Water production – 49%/51% split – 120.7 MG for the month
- Average use – 2.4% less than 2020 and 15.2% greater than 5-yr average

2. Rainfall Update

- 0.21” for May 2021
- Rainfall Total for Rainfall Year 2020/21 – 7.45”

3. Report on Engineering

- **FY 20/21 Capital Improvement Projects**

- Rosemont Reservoir Rehabilitation - Complete
- FY 20/21 - Pipeline Replacement Program
 - Project 1 – 2400 & 2500 Blocks of Janet Lee - Complete
 - Project 2 - 4300 Block of Rosemont – Complete
 - Project 3 – 3300 & 3400 Blocks of Encinal – Complete
 - Project 4 – El Caminito, Dryer, etc. – Under Construction. Complete by Aug 2021.
- Emergency Generator at Sewer Lift Station
 - License Agreement with LA County Parks & Recreation – In process
 - Delivery of Emergency Generator – Aug 2021
 - Estimated completion date – Oct 2021.
- Rehabilitation of Well 12
 - Installation of Pump - Week of June 7, 2021
 - Estimated completion date – End of June 2021.
- SCADA Radio Communications Network
 - Final Report - Complete
 - Next steps to be discussed at next Engineering Committee.
- SCADA System Upgrades
 - Working on draft Scope of Work
 - Review at next Engineering Committee
- Ramsdell Mixing Station/Pressure Reducing Station
 - Kick-Off Meeting with consultant – June 23, 2021

- **FY 21/22 Capital Improvement Projects**

- FY 21/20 – Pipeline Replacement Program
 - Request for Proposal sent to consultants.
 - Due July 7, 2021
- Edmund #2 Reservoir Rehabilitation
 - Preparing Request for Proposal

- **Grant Program**

- USBR WaterSmart Grant – Application received on 3/18/21.
- Stormwater Capture Project at Crescenta Valley County Park
 - Preliminary meeting with LADWP, Next Meeting 6/24/21

- **AMI Communication Network**

- Installation of Base Stations – Complete
- Installation of 100 water meter lids & SmartPoints – Complete
- Next steps – Verifying data.
- Working on request for quote for Customer Engagement Portal platform

4. **Developer Projects**

- 2314 Montrose – New 5 Units – Construction of water service – Complete
- 4360 Ocean View – New Fire Hydrant construction – Complete
- 2341 Mira Vista – New 4 Units – Plan check
- Waiting on Developer
 - 3037/3043 Foothill – New 38 Units and mixed commercial
 - 4521 Briggs/2413 Foothill – New 70 Units
 - 3900 Park Place – New 28 Units
 - 2345 Mira Vista – New 4 Units
 - 1961 Waltonia – New 6 Units

5. **FMWD** – No Report

6. **Remodeling of Engineering Department Office** - Complete

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

May 1 - May 31, 2021

Well Production:	52,264,398	Gals		
GWP Production:	5,498,000	Gals		
Gravity Production:	1,309,000	Gals	% GW	49%
Purchased Water:				
FMWD:	61,589,004	Gals		
City of Glendale:	0	Gals	% Import	51%
TOTAL:	120,660,402	Gals		
	370.29	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	51,000		*Included in Well Production	

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
May 1 - May 31, 2021	3,938,631	
May 1 - May 31, 2020	4,033,763	-2.4%
5-yr Average - May 2016 - 2020	3,417,915	15.2%

RAINFALL: May 1 - May 31, 2021 0.21"

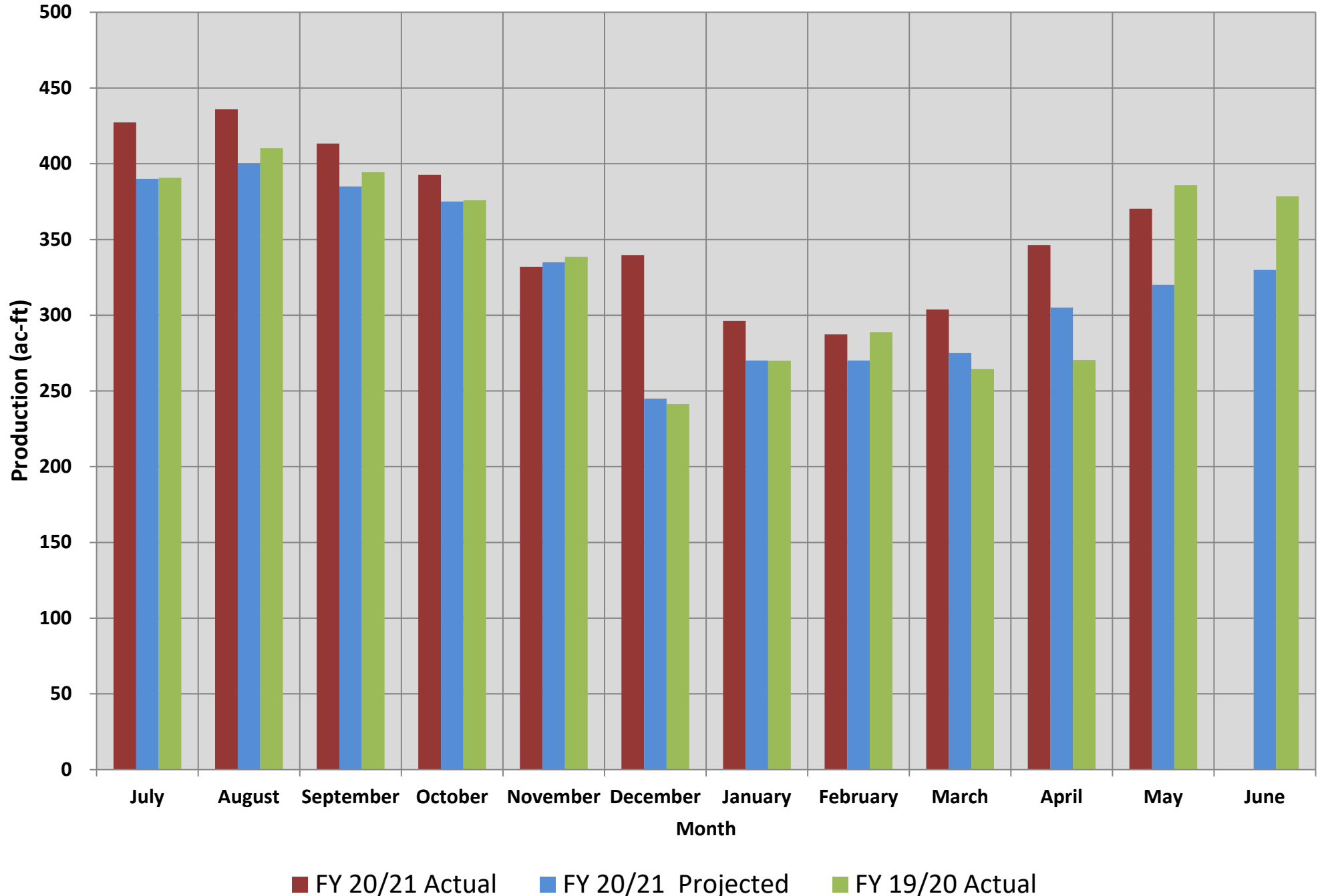
Season-To-Date: 7.45"

2020/21 Fiscal Year Water Production			WY 20/21 - Groundwater Production Water Rights		GWP (Well 16) Water Production - 2021		Purchased Water Production Tier 2 Allocation - 2021	
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	427	390	October	160	January	17	January	143
August	436	400	November	130	February	15	February	120
September	413	385	December	151	March	17	March	116
October	393	375	January	136	April	16	April	163
November	332	335	February	152	May	17	May	189
December	340	245	March	171	June		June	
January	296	270	April	167	July		July	
February	287	270	May	164	August		August	
March	304	275	June		September		September	
April	346	305	July		October		October	
May	370	320	August		November		November	
June		330	September		December		December	
Total to Date	3,945	3,570	Total to Date	1,230	Total to Date	83	Total to Date	732
Projected	4,275	3,900	Water Rights	3,294			Tier 2	2,154
% of Projected	101.1%	91.5%	% of Rights	37%			% of Allocation	34%
Remaining	(45)	330	Remaining	2,064			Remaining	1,422

NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Water Production: FY 20/21 Actual, FY 20/21 Projected & FY 19/20 Actual



Monthly Rainfall - 1963/64 - 2020/21 (Oct.- May)

