

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, November 3, 2015 at 7:00 p.m.**

Posted: October 30, 2015 at 3:00 p.m.

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.

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 (3) minute comment.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Meeting on October 20, 2015.

Action Calendar

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

1. **Appeal of Board Decision** – Consideration regarding an appeal for rejection of Claim for Damages from Roderick & Karen Longpre at 2457 Mountain Ave.
2. **Water and Wastewater Cost of Service Study, Project M-958** – Presentation and discussion regarding a water budget based rate structure as part of the CVWD's Water and Wastewater Cost of Service Study.

Information Items

Written Communications to District

Staff Reports

Secretary-Treasurer

1. Cash and Investments Report.

General Manager

1. Administrative Report.

District Engineer

1. Water Production Report –October 1 - 31, 2015.
2. Report on Administrative and Field Operations.

Program Specialist

1. Report of Water Conservation issues.

Information Technology

1. Report of Information Technology issues.

Attorney

1. Report on legal and related matters relevant to the District.

Reports of Committees

Engineering Committee

1. Consideration of engineering issues affecting the District.

Finance Committee

1. Consideration of financial issues affecting the District.

Employee Relations Committee

1. Consideration of employee relations issues affecting the District.

Policy Committee

1. Consideration of policy issues affecting the District.

Community Relations/Water Conservation Committee

1. Consideration of community relations/water conservation issues affecting the District.

Emergency Planning Committee

1. Consideration of emergency planning issues affecting the District.

Director's Oral Reports

Report on issues, meetings, or activities attended by Directors.

Closed Session

- **Conference with Legal Counsel**

- o Existing litigation pursuant to paragraph (1) of subdivision (d) of Section 54956.9: Crescenta Valley Water District vs. City of Glendale, et al., Los Angeles Superior Court case no. BC595199.

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
October 20, 2015

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of October 6, 2015, an Adjourned Regular Meeting was held on October 20, 2015, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President Kenneth R. Putnam presiding.

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

Directors:	James D. Bodnar Michael L. Claessens Kerry D. Erickson Kenneth R. Putnam Judy L. Tejeda
Attorney:	Thomas S. Bunn
General Manager:	Thomas A. Love
Secretary-Treasurer:	Ron L. Mitchell (Absent)
District Engineer:	David S. Gould
Others Present:	Mark Hass, IT Manager Wendy Holloway, Customer Accounts Supervisor Christy Scott, Program Specialist Dennis Maxwell, Interim Superintendent Kathy Ross, FMWD Board of Director

PLEDGE OF ALLEGIANCE

President Putnam opened the meeting by asking Mr. Gould to lead the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Bodnar, seconded by Director Tejeda and carried by a 5-0 vote that the Agenda for the Adjourned Regular Meeting of October 20, 2015 be adopted as presented.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Ms. Kathy Ross reported on the FMWD Board meeting held on October 19, 2015. She said in the action calendar they approved getting the site gauges for the reservoirs. They discussed the replacement of LCID's service connection valve at Castle Road, and appreciate CVWD's assistance in the shutdown. At the Water Resources Committee meeting they discussed the conservation for the district and CVWD was at a 35% reduction for September and FMWD overall is at a 32% reduction. Ms. Ross also

reported that Daniel from their staff attended the Water Smart Innovation Convention and shared new gadgets available for water conservation.

CONSENT CALENDAR

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 5-0 vote to approve the Minutes of the Regular Board Meeting held on October 6, 2015, and to ratify the disbursements for September 2015 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before August 31, 2015 the same having been approved by the General Manager, Thomas A. Love, and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of One Million Five Hundred Sixteen Thousand Seventy Five Dollars and Ninety Nine cents (1,516,075.99), which is composed of the individual items set forth herein.

ACTION CALENDAR

Appeal of Board Decision – Roderick & Karen Longpre did not show up for the meeting, and no additional information was available. Director Claessens requested that this be tabled until more information is received by Mr. Mitchell and also to have the Lonpre's available for a future Board meeting.

Installation of Electrical System for Chlorination Station at Williams Reservoir, E-733CS-4

Mr. Gould reported the scope of work for this phase of the project (Phase 4) includes the installation of the electrical system which will include providing power to the chlorination station, power to the water sampling pumps within the valve vault and retrofitting the existing motor control center with the new electrical components. The cost for Phase 4 of the project is \$59,500. CVWD crews will be installing the electrical conduits between the building, the valve vaults and the motor control center. The electrical contractor will be pulling wires and installing the electrical system. Mr. Gould would like to have this out for bid in November 2015 and start the work late January 2016. It is staff's recommendation to authorize the General Manager to advertise for bids. Staff will advertise the project within the next week to electrical contractors that have performed similar work for the water industry in Southern California.

Following discussion:

It was moved by Director Bodnar, seconded by Director Tejeda and carried by a 5-0 vote to authorize the General Manager to advertise for bids for the installation of the Electrical System for Chlorination Station at Williams Reservoir with an engineer's estimate of \$59,500.

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Mr. Gould reported that staff has been working on the project since June 2015. Staff has been working with DMC Engineering and AMEC to prepare plans and specifications for the protection of the pipeline and slope. The contract documents were completed on October 7, 2015 and were sent out to contractors and various construction bidding outlets. A mandatory pre-bid meeting was held on October 13, 2015 at the job site and only one contractor attended the pre-bid meeting. Since only one contractor attended, staff would arrange for a second pre-bid meeting within the next 2 weeks. Since time is of the essence to proceed with this project before the upcoming rainy

season, staff has decided to move forward with the bid opening on October 21, 2015. The project is proceeding forward as discussed at the September 15, 2015 Board meeting. Staff has met with the property owners to discuss the project and is working with legal counsel on finalizing the right-of-entry agreements. Staff will be meeting with DMc Engineering and AMEC to discuss design options, review cost estimates and time schedules. In addition, we will be working on permitting issues with U.S. Army Corps of Engineers, California Department of Fish and Wildlife and California Regional Water Quality Control Board. Also, staff will look into preparing a scope of work for a feasibility study for a long-term solution for providing water service to about 135 homes.

Brown Act Review – Mr. Bunn gave a presentation on the Brown Act which included the purpose of the Brown Act, what meetings are covered by the Brown Act, what is not considered a meeting, serial meetings, the public's right to attend and participate in the meetings, matters not on the agendas, employee participation, records of the meetings, closed sessions and litigation, labor negotiations public employment and reportable actions.

INFORMATION ITEMS – None.

WRITTEN COMMUNICATIONS TO DISTRICT – William F. Kruse sent a letter to the District regarding a Nomination of Candidate for a LAFCO Representative. Nominations must be received in the office of Lagerlof, Senecal, Gosney & Kruse no later than 5:00 p.m. on December 21, 2015.

REPORTS OF PERSONNEL

SECRETARY-TREASURER – No Report.

GENERAL MANAGER – Mr. Love reported on the FY 2015-16 budget assumptions for water sales revenue were based on meeting the state mandated conservation target. Water demands are significantly below the conservation target, resulting loss in the water sales revenue, and is partially offset by reductions on purchased water and energy costs. In order to further offset the reduction in water sales revenue, several reductions in budgeted expenses have been identified and summarized. These cost savings have been classified by type to clarify the nature of the cost reduction. Additional cost reductions are under evaluation. He also reported on the Fiscal Year 2015-16 Budget versus Actual for the fiscal year ending June 30, 2016.

DISTRICT ENGINEER

Water Production – For the period of October 1 through October 16, 2015, water production averaged 52.3 million gallons per day, which is **22.2% less** than the daily average production of the same period in 2014. This is **25.2% less** from the daily average production of the previous five years. SWRCB Conservation – 30.8% less than June 2013- February 2014 period.

Rainfall: October 2015	0.30"
Season-to-date:	0.30"

Administrative and Field Operations – Mr. Gould provided a memorandum and discussed the following:

Rainfall Update – 0.30” for October 2015. Rainfall total for 2015-16 is at 0.30”.

Report on Engineering:

CIP Projects – Ocean View Chlorination Project – Building – Mobilization – Early November 2015. Treatment Equipment – Shop Drawing Review. Electrical Work – Advertise for Bids. Site work for CVWD crews – Start work – October 26, 2015. Pipeline Projects – Under design. 2600 Block Harmony – 2700 Block Brookhill – 3900 Block Park Place – 2800 Block Prospect – 4400 Block Glenwood. Well 16 – Pipeline & Building – Building & Facilities – Under Construction. Dedication Ceremony – November 20, 2015 at 10:00 a.m. Pickens Canyon Slope Repair – See report.

Water and Wastewater Cost of Service – Public workshop – November 18, 2015 at the Main Office Board Room at 6:00 p.m.

Crescenta Valley County Park Stormwater Recharge Facility Study – Preliminary report – 55% complete.

Nitrate Removal Treatment Facility at Well 2 Project – Grant application – Preliminary approval – November 2015.

ULARA – Administrative Committee Meeting – October 21, 2015.

La Canada Flintridge – Water Committee – No Report.

Water Meter Replacement Program: FY 15/16 Water Meter Replacement Program – replaced 143 meters to date.

Report on Administrative and Field Operations:

Well Status – Well production capacity – Averaging 2.0 MGD for October

FMWD – Shutdown:

Completed – October 8, 2015.

Field Maintenance and Operations update for October 1 – October 16, 2015

Water lateral leaks & repairs

- 3016 Harmony Place
- 3506 Montrose Ave.
- 1956 Waltonia Ave.
- 3021 Brookhill Ave.
- 2565 Evelyn Ave.
- 3909 Ocean View Blvd.
- 2853 Sycamore Ave.

Fire Hydrant Leak – Pennsylvania & Montrose. Ocean View & Montrose

Water Main Leaks – Pennsylvania & Community Ave.

Reservoir Maintenance – Replace inlet/outlet valve at Edmund #2

Sewer Maintenance – Sewer Interceptor - 1600 & 1700 blocks of Broadview, 3400 & 3500 blocks of Ocean View and 3300 & 3400 blocks of Sunview. 3800 block of Orangedale. 2400 block of Honolulu. 2400 block of Las Palmas. 4100 block of Rincon. 2100 & 2200 blocks of Del Mar. 2100 & 2200 blocks of Montrose. 3900 – 4100 blocks Ocean View. 2200 & 2300 blocks of Mira Vista and Florencita.

PROGRAM SPECIALIST – Ms. Scott reported on the 2015 Urban Water Management Plan (UWMP) saying that the UWMP guidebook has not been released, but is expected to be released by the end of the month. As part of the UWMP planning process, FMWD will be conducting 3 table top exercises with its member agencies. This will be incorporated into the decision making process for future capital improvement projects. The first Table Top Exercise will be held on October 28, 2015 regarding operating scenario with Operators from each agency involved, the 2nd will be held on November 17, 2015 regarding long term drought scenario with General Managers from each agency involved, and the 3rd will be held on December 10, 2015 regarding operating scenario with Operators from each agency involved. A FMWD Board Workshop will be scheduled during January or February 2015 to discuss the findings. Ms. Scott talked about upcoming events, and reported that Well 7 was taken out of service on October 12, 2015 due to a high plate count, and a set of “Series Samples” that are required to place the well back in service will be collected Tuesday, October 20, 2015. Information regarding the Notice of Violation from the Glendale Fire Department Environmental Management Center has been completed and sent to the assigned inspector. She said that she spoke with the Glendale Inspector, and he said that the District is being taken off the naughty list, and we should not be seeing any fines or penalties. Ms. Scott also reported on the pump line leak at the corner of Pennsylvania & Community Avenue with a approximately 81,000 gallons of water loss, and that a press release will be going out on Wednesday, October 21, 2015.

INFORMATION TECHNOLOGY – No Report

ATTORNEY – Mr. Bunn reported that there is a signing by Governor Brown expressing the intent of his administration to address the problems caused by Proposition 218. ACWA has been dealing with the league of California cities, California State of Associations of Counties, and California Water Foundation to address amending Proposition 218. ACWA has a draft for the amendment. This is the first time since Proposition 218 was passed that he has seen an organized effort to make a major change in it. This is due to the San Juan Capistrano case, the drought, and the increase of water pricing for conservation. He also reported on bills signed by the governor that will not directly affect the district. Bill AB 401 – requires State Board to develop a plan for a low-income water rate assistance program by January 1, 2018. AB 402 – limits LAFCO authorization to provide services outside jurisdictional boundary to only where there is an impending threat to public health of safety. AB 1390 – Establishes a new procedure to streamline groundwater adjudications. SB 226 – Establishes policies and procedures for courts to apply in adjudications subject to SGMA.

REPORTS OF COMMITTEES

Engineering Committee – Director Putnam reported that the Committee had not met; however a meeting will be scheduled as needed.

Finance Committee – Director Bodnar reported that the Committee had not met; however a meeting will be scheduled as needed.

Employee Relations Committee – Director Erickson reported that the Committee had not met; however a meeting will be scheduled as needed.

Policy Committee – Director Tejeda reported that the Committee had not met; however a meeting will be scheduled as needed.

Community Relations/Water Conservation Committee – Director Claessens reported that the Committee had not met; however a meeting will be scheduled as needed.

Emergency Planning Committee – Director Bodnar reported that the Committee had not met; however a meeting will be scheduled as needed.

DIRECTORS ORAL REPORTS

Director Claessens reported he attended the CVTC meeting and said that it is re-election time, and there are 6 members up for re-election and there are 9 candidates. The election will be on November 16th and on November 17th. Robbyn Battles will not be running again.

Director Erickson reported that he attended the CVTC meeting and it was informative listening to the candidates. He also went on the MWD Inspection Trip on the Delta along with Director Putnam, and he found it very informative. He said that George Solymar, a CVWD customer was also on the trip. He said when he was in Northern California; they list names of people who are big water users, unlike in LA where they do not want to list the names. He talked about a publication from the Historical Society and they talked about Pickens Canyon from 1959, the old water tanks and how they would like to have another access road.

Director Tejeda – No Report

Director Bodnar reported that he attended the CVTC meeting on October 15, 2015.

Director Putnam reported that he attended the MWD Inspection Trip on the Delta. He had been many years before and enjoyed seeing the changes.

CLOSED SESSION – No Reportable Action

ADJOURNMENT

There being no other business to come before the Board at 10:00 p.m., it was moved by Director Bodnar, seconded by Director Tejeda and carried that the meeting be adjourned to November 3, 2015 at 7:00 p.m.

APPROVED

Kenneth R. Putnam
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1
November 3, 2015

To: Honorable President and Members of the Board of Directors
From: Ron L. Mitchell – Secretary-Treasurer
Subject: Appeal of Board Decision – Roderick & Karen Longpre

AGENDA ITEM

Appeal of Board Decision – Consideration regarding an appeal for rejection of Claim for Damages from Roderick & Karen Longpre at 2457 Mountain Ave.

BACKGROUND:

Roderick & Karen Longpre are the property owners at 2357 Mountain Ave. and are claiming that pipes in their home burst as the result of work performed by District personnel in connection with the replacement of the service lateral and meter box at their home on August 5-6, 2015 in the amount of \$4,137.55.

This claim was discussed and rejected by the Board at the October 6th meeting. The Longpre's submitted a request to appeal the decision of the Board and this was placed on the October 20th agenda. Mr. Longpre sent an email on October 29th apologizing for not appearing at that Board meeting as he was recovering from surgery and has again requested that his appeal be placed on the November 3rd agenda. He has assured staff that he will be in attendance at this meeting.

Please bring the materials provided for the October 6th meeting for reference of this appeal. If you don't have the materials, they can found on the District's website under the October 6th meeting packet or you can contact staff for a copy of the materials and photographs.

RECOMMENDATION:

No recommendation.

Prepared by:

Submitted by:

Ron L. Mitchell
Secretary-Treasurer

Thomas A. Love
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
November 3, 2015

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: **Water and Wastewater Rate Study, Project M-958**

ACTION ITEM:

Water and Wastewater Cost of Service Study, Project M-958 – Presentation and discussion regarding a water budget based rate structure as part of the CVWD's Water and Wastewater Cost of Service Study.

BACKGROUND:

CVWD's staff is working with Raftelis Financial Consultants (RFC) on the preparation of new water and wastewater cost of service study relative to a possible new water and wastewater rates structure.

RFC has been requested to evaluate water rate structure alternatives including a tiered rate structure, a tiered rate structure based on allotment of groundwater and imported water and a water budget based tiered rate structure.

RFC also has been requested to evaluate the wastewater rate structure alternatives including the existing fixed fee wastewater rate structure and a fixed fee rate structure with a variable rate component.

DISCUSSION:

Staff held a kick-off meeting with RFC on October 8, 2015 to discuss the parameters of the study and to outline the data needs from CVWD for the study. Key issues that were discussed were:

- o Community Participation
- o Fixed/Variable revenue recovery
- o Conservation incentives versus revenue impact
- o Variable wastewater charges
- o Allocation of lowest cost water
- o Sensitivity about existing rates and proposition 218

RFC gave a detailed presentation on preparing a water budget based rate structure with respect to allocation of indoor and outdoor water use to customers. The presentation outlined the elements or data needed and a methodology with options for the budget based water rate structure.

Staff requested RFC to present a simplified "Water Budgets 101" to CVWD's Board of Directors for a better understanding of a water budget based rate structure.

It is staff's goal for the Board to have an understanding of the concept, the elements and data needs and the public perception of a water budget based rate structure.

Public Workshop:

The first public workshop is scheduled for November 18th at 6:00pm at CVWD's Board Room. The following is a preliminary agenda for the workshop:

- Introduction (5 min)
- CVWD Overview (10 min)
 - o Services and Facilities
 - o Finance, Budget and Rates
- Study Objectives (15 min)
- Project Approach (20 min)
 - o Financial Plan, Cost of Service Process, Rate Design
 - o Alternative Rate Structures
 - Current Tiered, Modified Tiered, Water Budget Based Tiered
- Discussion/Q&A (10 min)

RECOMMENDATION:

N/A

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

N/A

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:

Thomas A. Love
General Manager



WATER & WASTEWATER RATE STUDY

Water Budgets 101

Board Presentation

November 3, 2015

Introduction

Raftelis Financial Consultants

- Sudhir Pardiwala, Project Manager
- Kevin Kostiuk, Lead Consultant

Agenda

- Study Objectives and Project Approach
- What is a Water Budget?
- Indoor Water Budget
- Outdoor Water Budget
 - Defining Landscape/Irrigable Area
 - Weather Options
- Variance Policies
- Discussion/Q&A

Study Objectives

1. Develop 5-year Financial Plans for Water and Wastewater Utilities including Reserves Policies
2. Perform Cost of Service (COS) analyses for Water and Wastewater Utilities
3. Evaluate water budget allocations for the Water Utility
4. Calculate Water and Wastewater Rates and associated customer impacts
5. Evaluate financial impacts associated with the current Drought
6. Benchmark water and wastewater system financial costs against comparable agencies

Project Approach



Rate Design

- Revenue from rates from each class and each tier should be consistent with cost of service
- Rates may be designed to meet the District's objectives for conservation, affordability, revenue stability, etc.

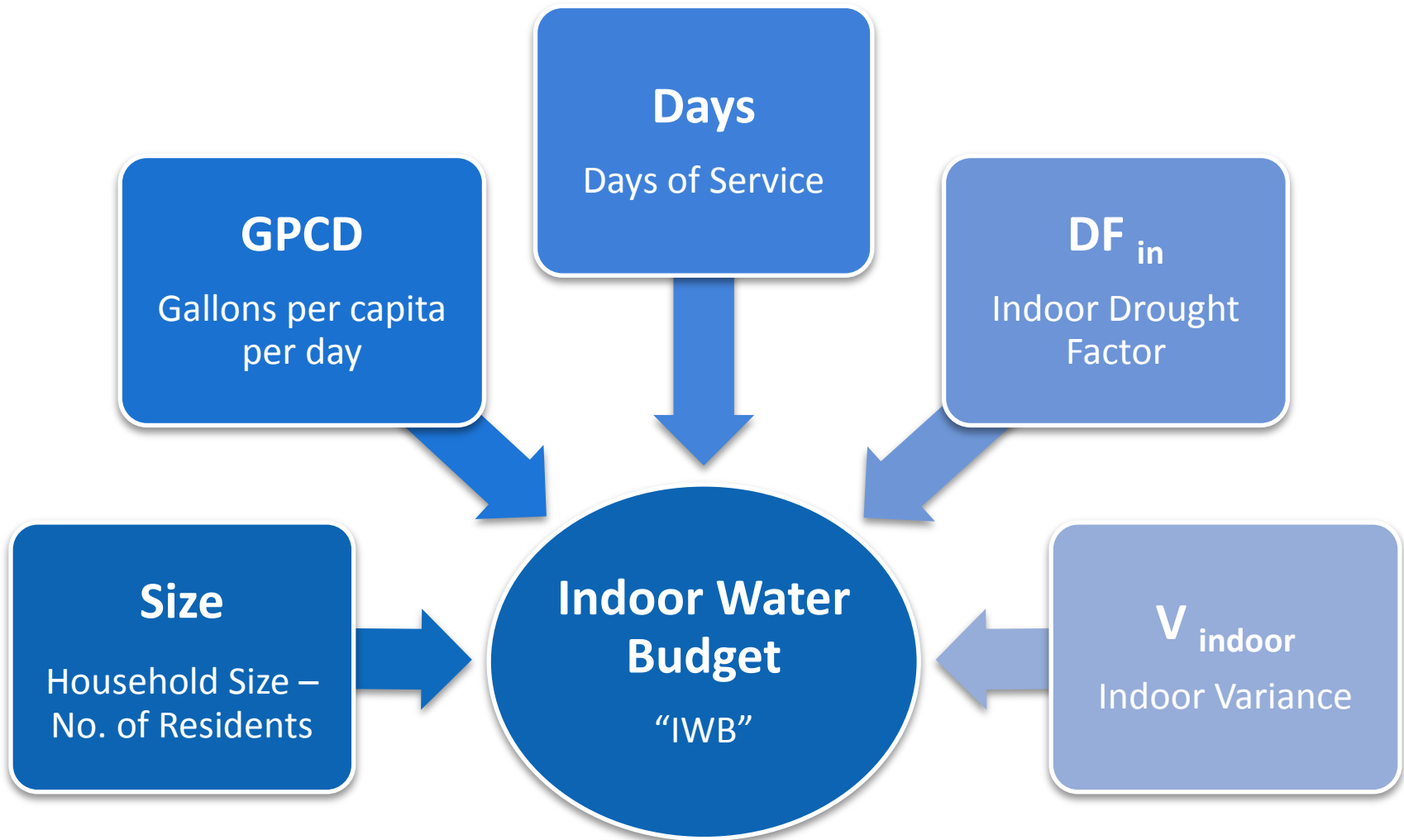
What is a water budget?

- American Water Works Association (AWWA): *“The quantity of water that would be required by an efficient level of water use”*
- *Efficiency* is often considered a community policy decision
 - Public expectations, water supply constraints, etc.
- “Budgets” are specific allocations for:
 - **Indoor Use** for health and sanitation for residential customers; potentially for commercial customers
 - **Outdoor Use** for irrigating landscape; generally applies to all customer classes less multi-family

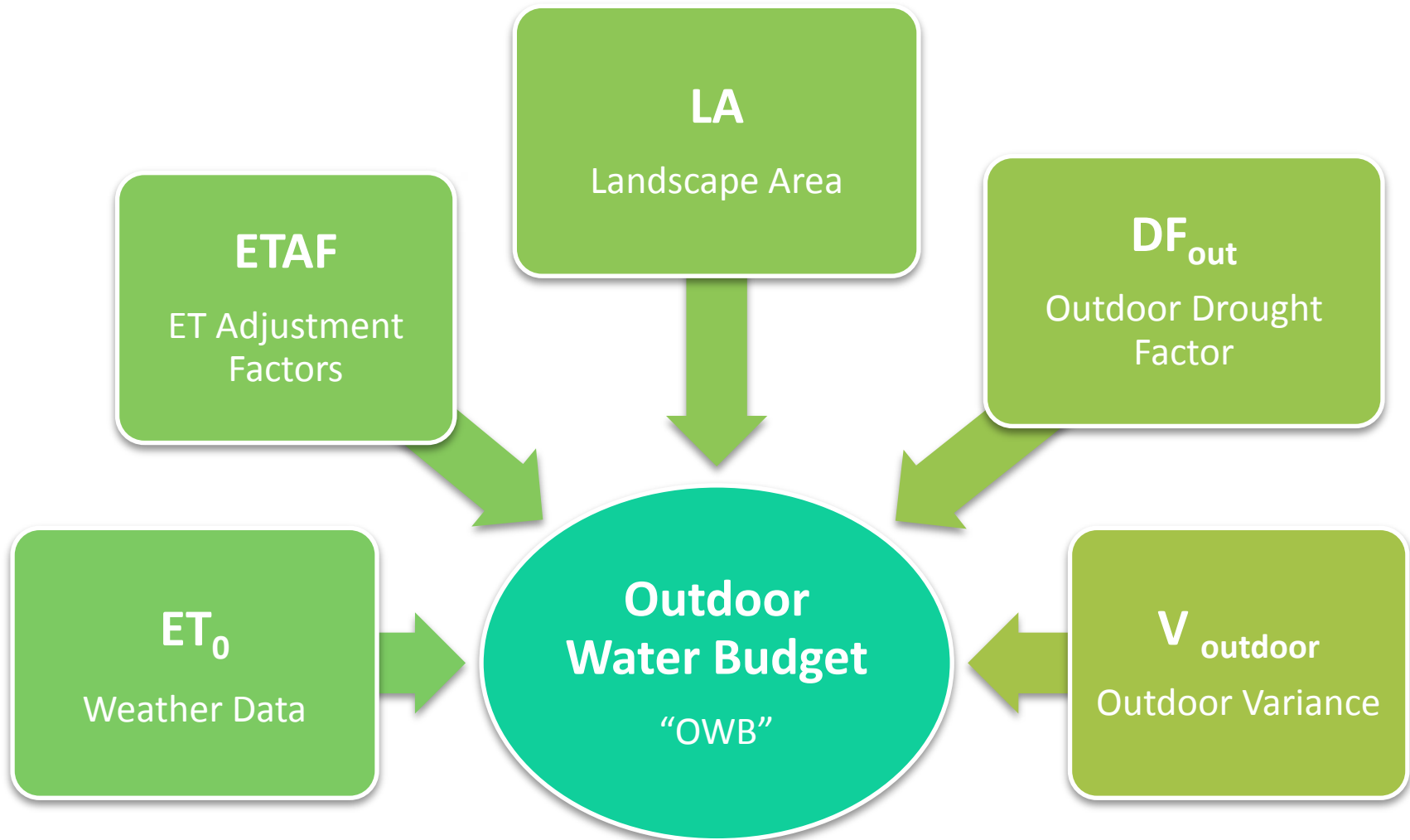
Indoor Budget (IWB)

- Two options in defining indoor allocation:
 1. Household size –
 - A. Defined # of people per household
 - B. Gallons per capita per day (gpcd)
 - C. Days of Service
 - $IWB = A \times B \times C$, or
 - Persons per household * gpcd * days of service
 2. Average winter use – Suitable for cold winter or wet winter climates

Indoor Water Budget



Outdoor Budget (OWB) Continued



Defining Landscape Area - Options

Four Options

% of Lot
Size

% of Lot
Size by
bins

Formula
Basis

GIS

Define Landscape Area (Option 1)

- **Landscape Area = X% of Lot Size**

- Given the water supply condition, it is a policy that each lot size can only irrigate up to a certain percentage. Not based on requirement

- + Pros**

- + Simple to set up and understand
- + If it is a policy, no appeal process is required
- + Rewards individuals that change their landscape to xeriscape
- + Consistent

- Cons**

- Not individually tailored to each customer's need

Define Landscape Area (Option 2)

- **Landscape Area = % of Lot Size by Bins**
 - Uniform across the board percentage rewards smaller lots and penalizes larger lots
 - Smaller lot has more house and less landscape area
 - Similar to LADWP rate structure

Define Landscape Area (Option 3)

- **Formula Basis for estimating Landscape Area**
 - If Footprint and Lot Size data is available,
Landscape Area = % of (Lot Size – Footprint)
 - If footprint data not available,
Landscape Area = based on IRWD formula
 - IRWD conducted analysis and developed a non-linear formula to estimate landscape area
 - In general, landscape area increases with lot size
 - For big lots limit or cap landscape area

Define Landscape Area (Option 4)

- **Landscape Area: GIS**

- Parcel specific analysis
 - Determines amount of lot area currently irrigated

+Pros

- +Based on the actual current needs of the individual
- +Scientific method

–Cons

- Potential higher volume of variances / appeals

Goals & Objectives to Decide on Landscape Area Option

Options	Less Cost to Administer	Based on Individual Needs	Data Validity	Rewards Past Outdoor Conservation
% of Lot Size	★★★	★	★	★★★
% by Lot Size Bin	★★	★★	★★	★★★
Formula Basis	★	★★	★★	★★★
GIS	★	★★★	★★★	★★★

Caps on Landscape Area

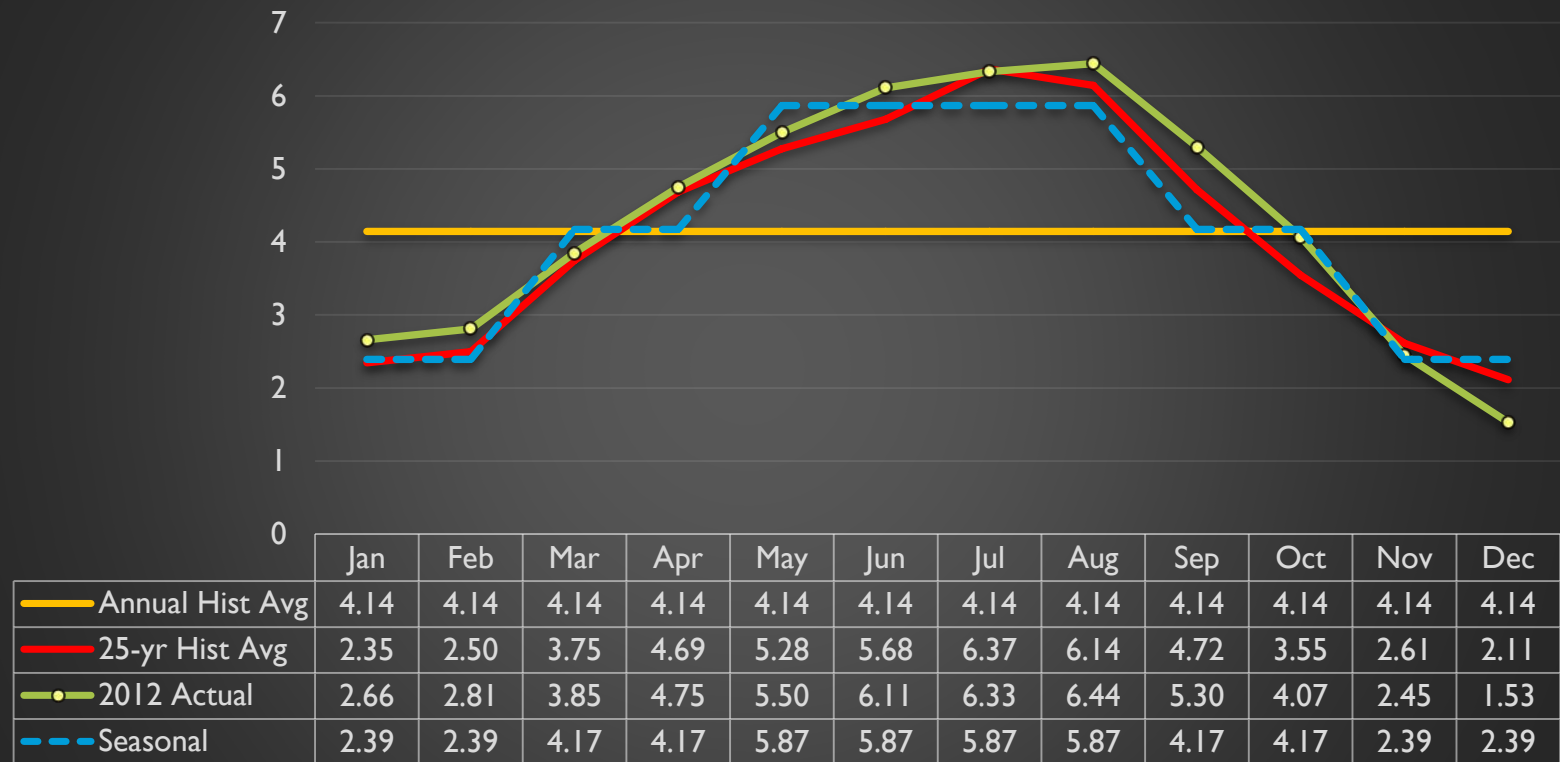
1. Hard Cap
2. ETAF cap for different lot sizes
 - Example: Rancho California WD
 - 0.85 ETAF CAP 75,000 square feet (sf)
 - 0.70 ETAF CAP 75,000 sf to 100,000 sf
 - 0.60 ETAF CAP 100,000 sf to 150,000 sf
 - SF above 150,000 no budget

Incorporating Seasonality and Weather Impacts on Outdoor Allocations

1. Average Yearly Weather – Allocation stays constant all year
2. Historical Season – Allocations adjust based on historical seasonal conditions
3. Historical Weather – Allocations based on historical daily conditions
4. Actual Weather – Allocations based on actual (daily) weather conditions

Weather Data Options

Weather Data Options



Budget Formulas

- Indoor Water Budget

$$IWB = \frac{GPCD * Household\ Size * Dwelling\ Units * Days\ of\ Service * DF_{indoor}}{748} + V_{indoor}$$

- Outdoor Water Budget

$$OWB = \left(\frac{Landscape\ Area * ET_0 * ETAF}{1200} + V_{outdoor} \right) * DF_{outdoor}$$

Number of Tiers – Policy Options

2 Tiers

- Easy to administer
- Easy to justify tier prices
- Weak pricing signal

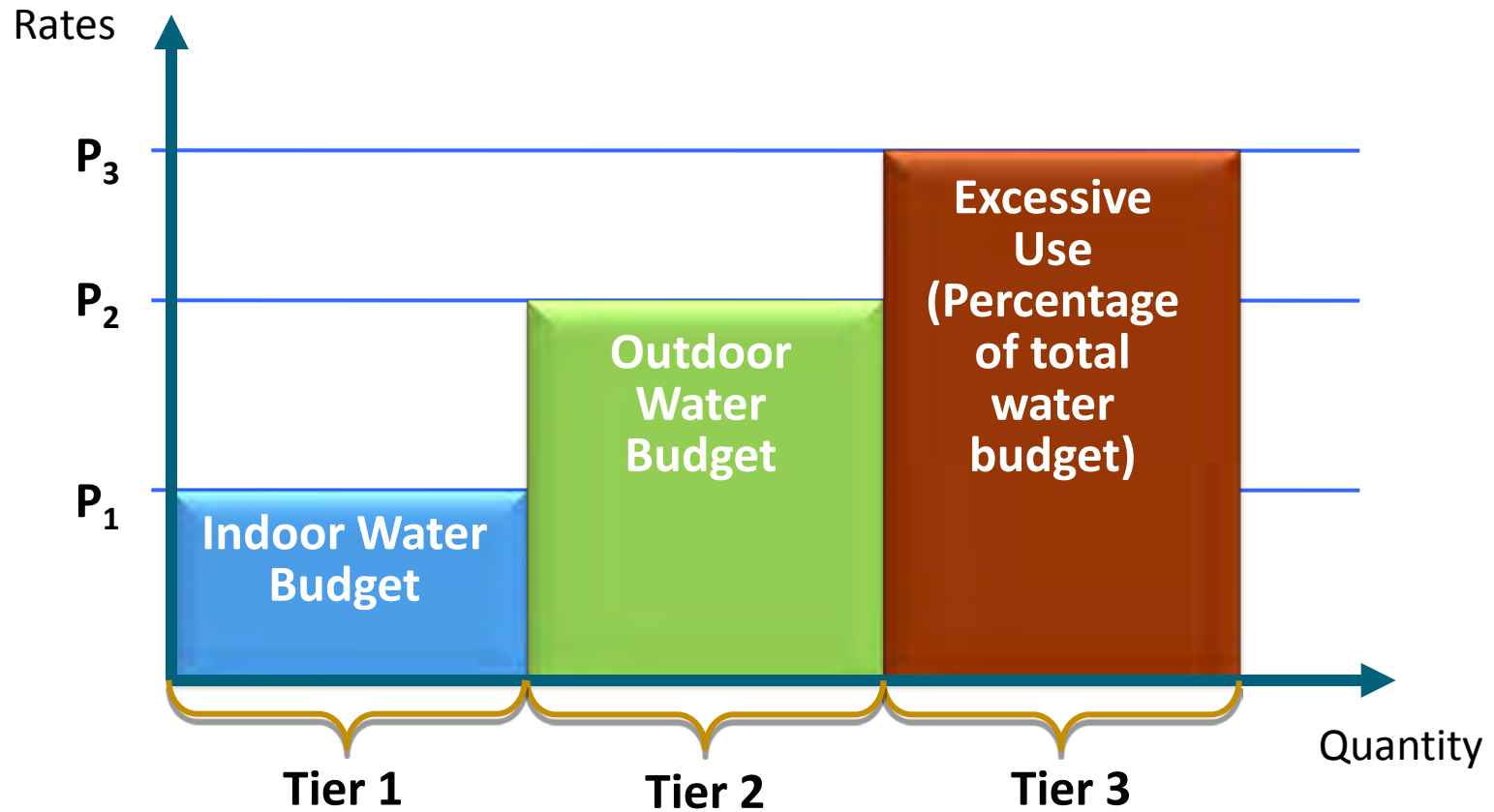
3 - 4 Tiers

- Easy to administer
- Easy to justify tier prices
- Adequate pricing signal

5 Tiers

- Difficult to administer
- Difficult to justify tier prices
- More flexible in sending pricing signal

Water Budget Tiered Rates



Variance Policies

- Adjustments to default values
 - ✓ Size – Actual number of persons per household
 - ✓ Landscape area
- Possible Exceptions

Indoor

- ✓ Elderly Care
- ✓ Child Care
- ✓ Medical Needs
- ✗ Hobbies
- ✗ Holidays
- ✗ Home Businesses

Outdoor

- ✓ Refilling the Pool
- ✓ Large Animals
- ✓ Rights Of Way
- ✓ Establishing Landscape Area
- ✗ Hobbies
- ✗ Home Businesses

Nexus Requirements on Rates

- Prop 218 requirements
 - Nexus between tier prices & cost of service
 - Tiered rates should utilize a “build up” cost approach
 - Ensures rates are not arbitrary
 - Differentiate costs between rates
 - Easy to understand
 - Defensible

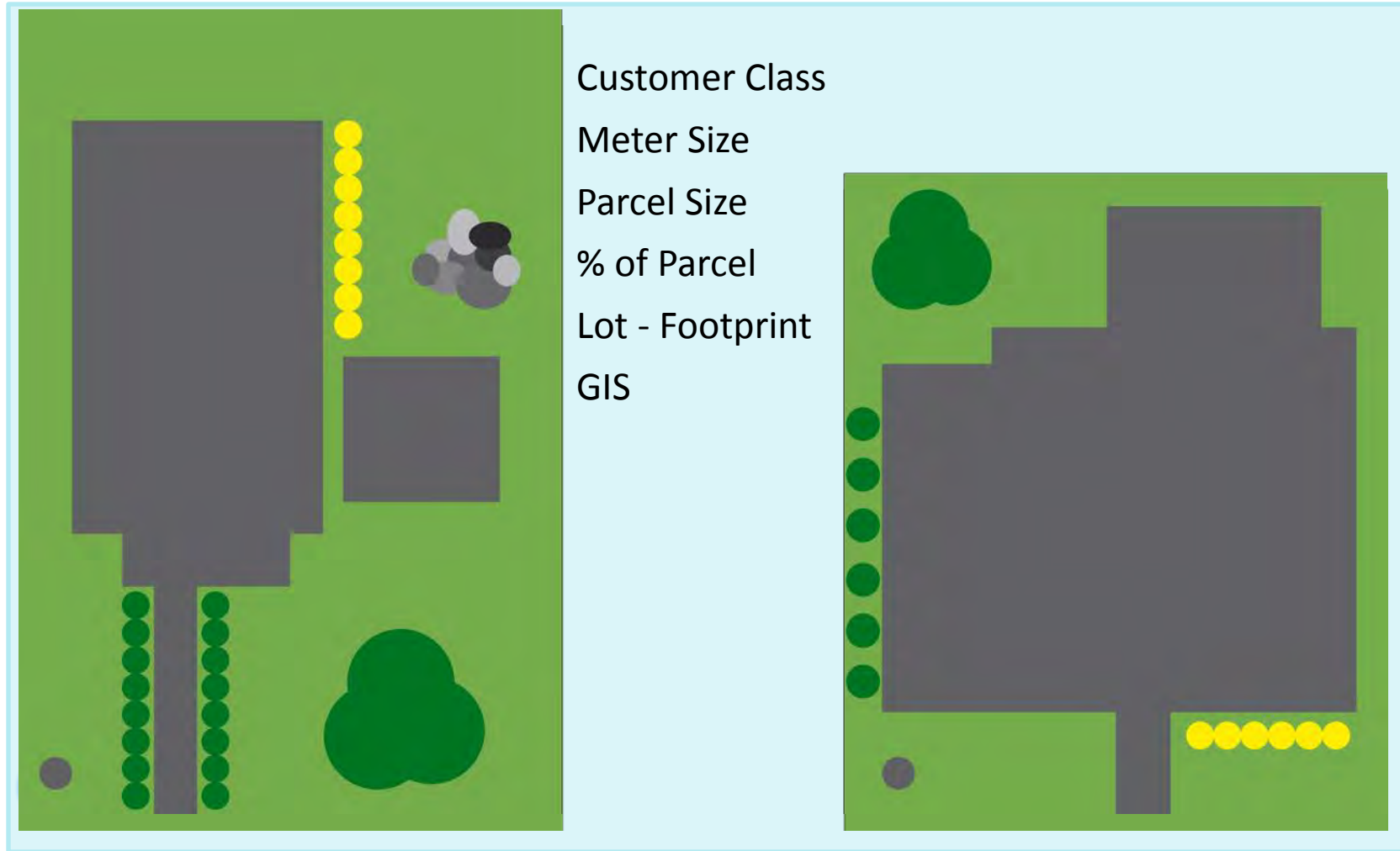
Q&A

Outdoor Budget (OWB)

1. Landscape Area
2. Weather Data
3. Crop Adjustment Factor
4. Drought Factor
5. Outdoor Variance



Estimated Landscape Area Options



Justification of Tiered Rates

Components of Water Rates

Water Supply	Delivery Cost:	Peaking Cost	Conservation:	Offsets
Purchased water costs & Supplemental (or Penalty) Water	Remaining costs of delivering water to customer (District's cost)	Capacity related costs associated with meeting max day and max hour system demand	Water Efficiency / Conservation program costs	Property Tax/Miscellaneous Revenue

**CRESCENTA VALLEY WATER DISTRICT
INVESTMENT PORTFOLIO SUMMARY
November 3, 2015**

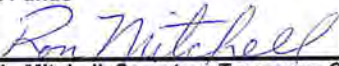
INVESTMENT TYPE	ACCT/CUSIP I.D. NO.	PURCHASE DATE	*FACE VALUE	INVESTMENT COST	% OF TOTAL	**MARKET VALUE	MATURITY DATE	DATE CALLABLE	EARNED TO DATE	YIELD TO MATURITY
GENERAL FUNDS										
GENERAL FUND-SWEEP ACCOUNT	0631-525246		\$ 502,057	\$ 502,057	2.90%	\$ 502,057	none	n/a	\$ 18	0.02%
GREAT PACIFIC SECURITIES	GPC-804452		\$ 377,419	\$ 377,419	2.18%	\$ 377,419	none	n/a	\$ 8	0.02%
BOND DEBT SERVICE FUND	6948-331525		\$ 306,483	\$ 306,483	1.77%	\$ 306,483	none	n/a	\$ 29	0.06%
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 1,248,885	\$ 1,248,885	7.22%	\$ 1,248,885	none	n/a	\$ 1,789	0.32% Mar 2015
TRANSFER FROM MTBE RESERVE			\$ 2,000,000	\$ 2,000,000	11.57%	\$ 2,000,000				
FEDERAL FARM CREDIT (78)	3133EASN1	7/17/2012	\$ 500,000	\$ 500,000	2.89%	\$ 500,095	7/24/2020	10/24/2012	\$ 2,319	1.84%
FEDERAL FARM CREDIT (81)	3133EAYP7	9/11/2012	\$ 1,000,000	\$ 1,005,220	5.81%	\$ 986,820	7/19/2022	n/a	\$ 4,915	1.95%
FEDERAL FARM CREDIT (83)	3133EAY28	10/9/2012	\$ 500,000	\$ 502,885	2.91%	\$ 500,640	9/21/2017	n/a	\$ 1,046	0.71%
FEDERAL FARM CREDIT (86)	3133EC4L5	11/15/2012	\$ 1,000,000	\$ 1,002,300	5.80%	\$ 991,450	11/23/2021	n/a	\$ 4,058	1.58%
FEDERAL FARM CREDIT (87)	3133EC4Y7	11/19/2012	\$ 500,000	\$ 500,000	2.89%	\$ 500,045	11/27/2017	n/a	\$ 1,172	0.93%
FEDERAL FARM CREDIT (96)	3133EENM8	2/2/2015	\$ 1,000,000	\$ 1,001,790	5.79%	\$ 973,510	2/6/2025	n/a	\$ 5,444	2.14%
FEDERAL FARM CREDIT (97)	3133EENM8	2/9/2015	\$ 1,270,000	\$ 1,245,289	7.20%	\$ 1,239,013	2/6/2025	n/a	\$ 6,914	2.38%
US TREASURY (99) NEW	912828L99	10/28/2015	\$ 1,000,000	\$ 996,878	5.77%	\$ 996,878	10/31/2020	n/a	\$ -	1.44%
			\$ 11,204,845	\$ 11,189,206		\$ 11,123,296			\$ 27,713	
Yield on investments including LAIF but not cash accounts										1.36%
Yield on investments not including LAIF or cash accounts										1.51%
CONSTRUCTION FUNDS										
COPS RESERVE FUND	108614000		\$ 617,121	\$ 617,121	3.57%	\$ 617,121	none	n/a	\$ 31	0.02%
			\$ 617,121	\$ 617,121		\$ 617,121			\$ 31	
MTBE CONTINGENCY FUNDS										
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 826,489	\$ 826,489	4.78%	\$ 826,489	none	n/a	\$ -	0.32% Mar 2015
GREAT PACIFIC SECURITIES	GPC-003670		\$ 1,778,757	\$ 1,778,757	10.29%	\$ 1,778,757	none	n/a	\$ -	0.02%
TRANSFER TO WATER RESERVE			\$ (2,000,000)	\$ (2,000,000)	-11.57%	\$ (2,000,000)				
FEDERAL FARM CREDIT (M-35)	3133EDWX6	2/3/2015	\$ 800,000	\$ 849,960	4.92%	\$ 830,968	10/7/2024	n/a	\$ 7,335	2.19%
US TREASURY (M-36)	912828J27	2/6/2015	\$ 1,000,000	\$ 1,011,800	5.85%	\$ 996,090	2/15/2025	n/a	\$ 5,041	2.00%
FEDERAL FARM CREDIT (M-38A)	3133EEWP1	4/22/2015	\$ 1,000,000	\$ 996,470	5.76%	\$ 995,850	4/1/2025	n/a	\$ 5,974	2.41%
FEDERAL FARM CREDIT (M-38B)	3133EEWP1	4/23/2015	\$ 1,000,000	\$ 999,110	5.78%	\$ 995,850	4/1/2025	n/a	\$ 5,974	2.38%
US TREASURY (M-39A) SOLD	912828K58	4/27/2015	\$ -	\$ -	0.00%	\$ -	4/30/2020	n/a	\$ 3,466	1.38%
US TREASURY (M-40)	912828J27	4/27/2015	\$ 1,000,000	\$ 1,008,892	5.84%	\$ 996,090	2/15/2025	n/a	\$ 5,041	1.90%
			\$ 5,405,246	\$ 5,471,478		\$ 5,420,094			\$ 32,830	
TOTAL INVESTMENTS			\$ 17,227,212	\$ 17,277,806		\$ 17,160,511			\$ 60,574	
CASH- PAYROLL ACCOUNT	0948-024724		\$ 11,539	\$ 11,539	0.07%	\$ 11,539				
TOTAL CASH AND INVESTMENTS			\$ 17,238,751	\$ 17,289,345	100%	\$ 17,172,050			\$ 60,574	1.18%
						\$ (111,019)	***Unrealized Gain/(Loss) on Investments			

I certify that this report accurately reflects all pooled investments and is in compliance with California Government Code Sections 5922 & 53601 as amended on 1/1/97; are currently in conformity with the investment policy as stated in Resolution No. 722 adopted on December 9, 2014.
As Treasurer of the Crescenta Valley Water District, I, Ron L. Mitchell hereby certify that sufficient investment liquidity and anticipated revenues are available to meet one year of estimated expenditures for the operations of Crescenta Valley Water District.

*Value at investment maturity date.

***Reported in compliance with GASB Standard No. 31, effective July 1, 1997, the "fair value" adjustment necessary between cost and market value.

Water	\$ 11,924,120.38
Wastewater	\$ 5,628,872.87
Total Funds	\$ 17,552,993.25


Ron L. Mitchell, Secretary-Treasurer, CVWD

November 3, 2015
Date

**Crescenta Valley Water District
Recap of Gains on Sale of Investments
Fiscal Year 2015-16**

[illegible]

**Crescenta Valley Water District
Investment Interest Analysis
July 2014 - June 2015**

[illegible]

Strategy B		July 2014 - July 2015 LAIF Account						
1st Quarter		0.240%	4,408,767	10,581	28.99	92	\$	2,667
2nd Quarter		0.250%	4,411,434	11,029	30.22	92	\$	2,780
3rd Quarter		0.260%	4,414,214	11,477	31.44	90	\$	2,830
4th Quarter		0.280%	4,417,044	12,368	33.88	91	\$	3,083
Total Interest Earned From LAIF							\$	11,360
105-78	FFCB	1.840%	500,000	9,200	25.21	365	\$	9,200
105-81	FFCB	1.950%	1,000,000	19,500	53.42	365	\$	19,500
105-83	FFCB	0.830%	500,000	4,150	11.37	365	\$	4,150
105-86	FFCB	1.610%	1,000,000	16,100	44.11	365	\$	16,100
105-87	FFCB	0.930%	500,000	4,650	12.74	365	\$	4,650
105-92	US Treasury	1.750%	1,000,000	17,500	47.95	365	\$	17,500
105-93	US Treasury	1.750%	1,000,000	17,500	47.95	365	\$	17,500
105-94	FFCB	1.880%	1,000,000	18,800	51.51	365	\$	18,800
105-95	FFCB	2.120%	600,000	12,720	34.85	365	\$	12,720
M-17	FFCB	1.650%	1,000,000	16,500	45.21	365	\$	16,500
M-18	FFCB	2.330%	1,000,000	23,300	63.84	365	\$	1,123
M-19	FFCB	1.450%	1,000,000	14,500	39.73	365	\$	14,500
M-20	US Treasury	1.650%	1,000,000	16,500	45.21	365	\$	16,500
M-21	US Treasury	2.530%	1,000,000	25,300	69.32	365	\$	1,148
Total Interest Earned From Investments							\$	169,891
Total Interest Earned from LAIF & Investments							\$	181,252

Crescenta Valley Water District

Strategy C

Recap of Gains on Sale of Investments

Fiscal Year 2014-15

Investment Number	Date Purchased	Original Principal Cost	Adjustment Amortized Principal	Adjusted Balance	Date Sold	Principal Value at Sale	Gain (Loss) on Investments	Interest Earned on Investments
LAIF								\$ 6,680.63
78	Jul 17, 2012	\$500,000.00					\$0.00	\$ 9,199.98
81	Sep 11, 2012	\$1,005,220.00					\$0.00	\$ 19,499.97
83	Oct 9, 2012	\$502,885.00					\$0.00	\$ 4,150.05
86	Nov 15, 2012	\$1,002,300.00					\$0.00	\$ 16,100.03
87	Nov 19, 2012	\$500,000.00					\$0.00	\$ 4,649.98
92	May 9, 2013	\$1,000,000.00	\$0.00	\$1,000,000.00	1/6/2015	\$1,001,500.00	\$1,500.00	\$ 8,818.99
93	May 10, 2013	\$987,109.38	-\$2,148.44	\$989,257.82	1/14/2015	\$992,020.00	\$2,762.18	\$ 9,253.68
94	May 14, 2013	\$981,330.00	-\$3,246.96	\$984,576.96	1/14/2015	\$986,480.00	\$1,903.04	\$ 10,112.50
95	May 17, 2013	\$600,000.00	\$0.00	\$600,000.00	1/30/2014	\$601,200.00	\$1,200.00	\$ 7,264.62
M-17	June 3, 2014	\$1,000,470.00	\$0.00	\$1,000,470.00	10/15/14	\$1,008,430.00	\$7,960.00	\$ 4,829.45
M-18	June 4, 2014	\$952,030.00	\$0.00	\$952,030.00	7/17/14	\$954,560.00	\$2,530.00	\$ 1,123.33
M-19	June 23, 2014	\$988,220.00	\$0.00	\$988,220.00	10/9/14	\$990,290.00	\$2,070.00	\$ 3,991.37
M-20	June 11, 2014	\$992,870.00	\$0.00	\$992,870.00	8/13/14	\$996,110.00	\$3,240.00	\$ 1,723.07
M-21	June 25, 2014	\$997,370.00	\$0.00	\$997,370.00	7/17/14	\$999,870.00	\$2,500.00	\$ 1,147.99
In-Out MTBE	7/3/14	\$996,430.00	\$0.00	\$996,430.00	7/11/14	\$998,430.00	\$2,000.00	\$ 309.11
In-Out MTBE	7/3/14	\$995,730.00	\$0.00	\$995,730.00	7/10/14	\$998,730.00	\$3,000.00	\$ 327.78
M-22	7/28/14	\$996,410.00		\$996,410.00	8/7/14	\$999,130.00	\$2,720.00	\$ 353.26
M-23	7/30/14	\$1,008,560.00	\$0.00	\$1,008,560.00	8/15/14	\$1,015,520.00	\$6,960.00	\$ 1,416.67
M-24	7/30/14	\$994,040.00		\$994,040.00	8/4/14	\$996,790.00	\$2,750.00	\$ 220.79
M-25	8/12/14	\$1,001,710.00		\$1,001,710.00	10/1/14	\$1,002,120.00	\$410.00	\$ 3,892.78
M-26	8/19/14	\$1,043,968.88		\$1,043,968.88	10/14/14	\$1,044,660.00	\$691.12	\$ 4,010.42
M-27	8/26/14	\$998,805.43		\$998,805.43	10/7/14	\$999,710.00	\$904.57	\$ 1,616.02
M-28	9/4/14	\$1,002,380.00		\$1,002,380.00	10/8/14	\$1,003,740.00	\$1,360.00	\$ 1,438.89
M-29	9/10/14	\$1,010,180.00		\$1,010,180.00	10/1/14	\$1,012,650.00	\$2,470.00	\$ 1,750.00
M-30	10/28/2014	\$1,012,280.00	\$682.22	\$1,011,597.78	1/14/2015	\$1,020,860.00	\$9,262.22	\$ 4,517.78
M-31	10/29/2014	\$1,006,980.00	\$465.33	\$1,006,514.67	1/6/2015	\$1,011,920.00	\$5,405.33	\$ 3,536.11
M-32	11/5/2014	\$996,550.00	-\$166.94	\$996,716.94	1/5/2015	\$1,000,250.00	\$3,533.06	\$ 2,966.67
M-33	11/12/2014	\$999,990.00	-\$0.50	\$999,990.50	1/5/2015	\$1,003,000.00	\$3,009.50	\$ 2,650.00
M-34	12/5/2014	\$399,612.00	\$0.00	\$399,612.00	1/6/2015	\$401,600.00	\$1,988.00	\$ 573.56
In-Out MTBE	12/3/2014	\$996,419.51	\$0.00	\$996,419.51	12/31/2014	\$997,520.00	\$1,100.49	\$ 89.78
In-Out MTBE	1/27/2015	\$1,038,460.00	\$0.00	\$1,038,460.00	1/27/2015	\$1,041,060.00	\$2,600.00	\$ 372.93
In-Out MTBE	1/22/2015	\$781,215.00	\$0.00	\$781,215.00	1/30/2015	\$784,927.50	\$3,712.50	\$ 295.83
96	2/2/2015	\$1,001,790.00						\$ 8,758.35
97	2/9/2015	\$1,245,288.79						\$ 10,597.01
M-35	2/3/2015	\$849,960.00						\$ 10,538.35
M-36	2/6/2015	\$1,011,800.00						\$ 7,830.15
M-37	2/17/2015	\$823,994.70	\$0.00	\$823,994.70	3/17/2015	\$825,678.06	\$1,683.36	\$ 1,036.79
In-Out MTBE	3/10/2015	\$991,072.92	\$0.00	\$991,072.92	3/17/2015	\$993,672.92	\$2,600.00	\$ 110.50
In-Out MTBE	4/1/2015	\$996,460.00	\$0.00	\$996,460.00	4/6/2015	\$1,000,660.00	\$4,200.00	\$ 395.00
In-Out MTBE	4/13/2015	\$996,470.00	\$0.00	\$996,470.00	4/17/2015	\$999,070.00	\$2,600.00	\$ 395.00
M-38A	4/22/2015	\$996,470.00						\$ 4,480.28
M-38B	4/23/2015	\$999,110.00						\$ 4,415.35
M-39A	4/27/2015	\$1,003,135.92						\$ 2,410.96
M-39B	4/28/2015	\$1,001,204.82						\$ 2,373.29
M-40	4/27/2015	\$1,008,892.00						\$ 3,506.85
In-Out MTBE	5/11/2015	\$990,710.00	\$0.00	\$990,710.00	5/15/2015	\$993,710.00	\$3,000.00	\$ 224.18
98	6/2/2015	\$996,650.00	\$0.00	\$996,650.00				\$ 1,150.68
In-Out MTBE	6/24/2015	\$499,160.00	\$0.00	\$499,160.00	6/29/2015	\$499,660.00	\$500.00	\$ -
		\$ 32,691,890				\$ 31,175,528		
Subtotals							\$94,125.37	\$197,106.76
Total Gain of Sales of Investments and Interest Earned								\$291,232.13

CRESCENTA VALLEY WATER DISTRICT

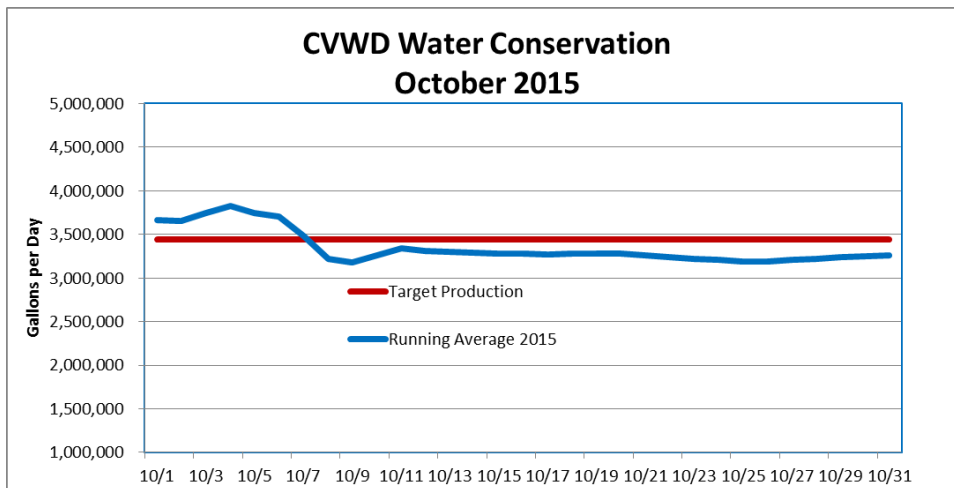
BOARD OF DIRECTORS - STAFF REPORT

November 3, 2015
Staff Report

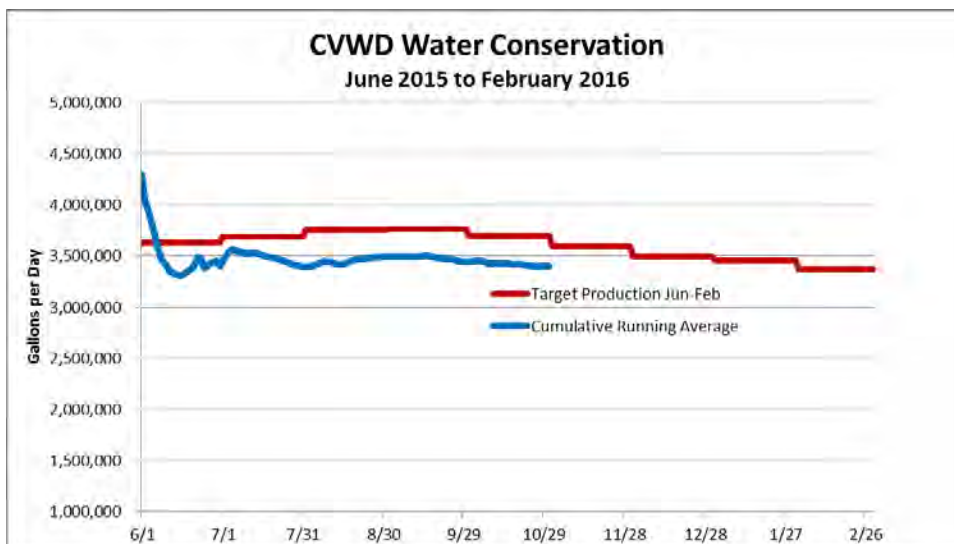
To: Honorable President and Members of the Board of Directors
From: Thomas A. Love, General Manager
Subject: General Managers Report

Water Conservation

The Crescenta Valley community continues to exceed the State mandated water conservation goal of 24%. October water production was 3.26 million gallons per day (MGD) compared with 4.45 MGD in 2013 representing a 27% reduction in water use.



Water production for the first 5 months of the State mandated compliance period (June 1, 2015 through February 29, 2016) was 514 million gallons compared with 741 million gallons in 2013 which is a 31% reduction in water use.



Staffing

This month there are three employment anniversaries: Steven Korejwo – 2 years, Alex Sandoval - 16 years and Ron Mitchell has been with the District for 22 years.

As of November 1st, the district has worked 510 days without a lost time accident. At the present time one employee is on extended medical leave, with an expected to return to work within 2 months.

October General Manager Activities:

October 5 th	City of LA Bureau of Sanitation Contract Agency Meeting
October 8 th	Cost of Service/Rate Study Kick-off Meeting
October 13 th	WateReuse – LA Section Meeting
October 14 th	CVWD Quarterly Operations Meeting
October 14 th	FMWD Managers Meeting
October 15 th	La Crescenta Town Council
October 20 th	CORO Water Sustainability Conference
October 24 th	WELL Conference (Speaker with Congresswoman Napolitano)
October 29 th	Southern California Water Committee Annual Meeting
October 30 th	CVWD Staff Appreciation Lunch

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

November 3, 2015
Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: District Engineer – Staff Report

1. **Water Production Report**

- Oct 1 – 31 – Water Production – 49%/ 51% split – 101.1 MG for the time period.
Average use – 20.5% less than 2014 and 21.8% less than 5-yr average
SWRCB Conservation – 30.6% less than June 2013 – Feb 2014 period

2. **Rainfall Update**

- 0.32" for October 2015
- Rainfall total for Rainfall Year 2015/16 – 0.32"

3. **Report on Engineering**

- **CIP Projects**

- o Ocean View Chlorination Project
 - Building
 - Mobilization – Early December 2015
 - Treatment Equipment – Shop Drawing Review
 - Electrical Work – Bid Opening on November 18, 2015
 - Site Work for CVWD crews – Start work – November 9, 2015
- o Pipeline Projects – Under Design
 - Replaced 2700 Block of Brookhill with the 3700 Block of Glenwood
 - 2800 Block of Prospect & 4400 Block of Glenwood, 2600 Block of Harmony Pl & 3900 Block of Park Pl
- o Well 16 – Pipeline & Building
 - Building & Facilities – 1 month behind schedule
 - Dedication Ceremony – December, 17, 2015 at 10am
- o Pickens Canyon Slope Repair
 - Bid received from Contractor – Bid was \$183K, greater than 60K estimate
 - Discussed with Contractor – labor, time and quantities greater than original anticipated
 - CVWD Rejected Bid
 - Working with DMC Engineering to re-design project with the goal to protect slope, pipeline can be isolated
 - Plan to re-bid project and contact other contractors next week
 - Goal to start construction in December 2015
 - Contact property owners about right of entry agreement, property owner at 5481 Ocean View signed agreement; waiting on property owner at 5475 Ocean View

- **Water and Wastewater Cost of Service Study**

- o See Staff Report

- **Crescenta Valley County Park Stormwater Recharge Facility Study**

- Preliminary Report – 55% complete

- **Nitrate Removal Treatment Facility at Well 2 Project**
 - Grant – Draft Funding Recommendation – DWR posted on 10/29/15
 - Request - \$36.3M – Recommended - \$27.7M, which is 79% of requested amount
 - Waiting to hear from GLAC on how funds will be distributed
- **ULARA**
 - Administrative Committee Meeting met on October 21, 2015
 - WY 13/14 Annual Report behind schedule due to City of LA
 - LA, Burbank & Glendale working on extending pumping stipulation agreement
 - Sustainable Groundwater Management Act – Adjudicated basins are exempt, but unclear on reporting information needed by DWR
 - Court Status Hearing – December 10, 2015
- **La Canada Flintridge – Water Committee**
 - No Report
- **Water Meter Replacement Program**
 - FY 15/16 water meter replacement program – Replaced 187 meters to date

4. **Report on Administrative and Field Operations**

- **Wells - Status**
 - Well production capacity averaging 2.0 MGD for October

5. **Field Maintenance & Operations – Oct 17 – 30, 2015**

- **Water lateral leaks & repairs**
 - 2701 Fairmount Ave
 - 2823 Frances Ave
 - 2943 Henrietta
 - 2455 Kemper
- **Fire Hydrant Repair**
 - Ocean View & Montrose
- **Water Main Leaks**
 - 3700 Block of Glenwood – 4 leaks total on pipeline
 - 3200 Block of Park Vista
 - 3900 Block of Park Place
 - 2200 Block of Honolulu (behind Anderson's Pet Store)
- **Reservoir Maintenance**
 - No Report
- **Sewer Maintenance**
 - 5300 – 5700 blocks of Ocean View
 - 5500 block of Rockcastle
 - 2100 blocks of Bristow & Earnslow
 - 2200 blocks of Fairhurst, Canalda & Panorama

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

October 1 - October 31 2015

Well Production:	47,930,550	Gals		
Gravity Production:	1,377,000	Gals	% GW	49%
Purchased Water:				
FMWD:	51,837,375	Gals		
City of Glendale:	0	Gals	% Import	51%
TOTAL:	101,144,925	Gals		
	310.40	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	18,507,037	*Included in Well Production		

WATER DEMAND COMPARISON

	Average Daily Usage (gals)	Current Period Change	Average Daily Usage (gals)	Percentage Change
October 1, 2015 - October 31, 2015	3,262,740			
October 1, 2014 - October 31, 2014	4,103,688	-20.5%		
5-yr Average - October 2010 - 2014	4,171,327	-21.8%		
SWRCB CONSERVATION REGULATIONS			3,403,392	
June 1, 2015 through Feb 29, 2016				
BASELINE CONSERVATION			4,906,061	-30.6%
June 1, 2013 through Feb 28, 2014				

RAINFALL: October 1 - October 31, 2015

0.32"

Season-To-Date:

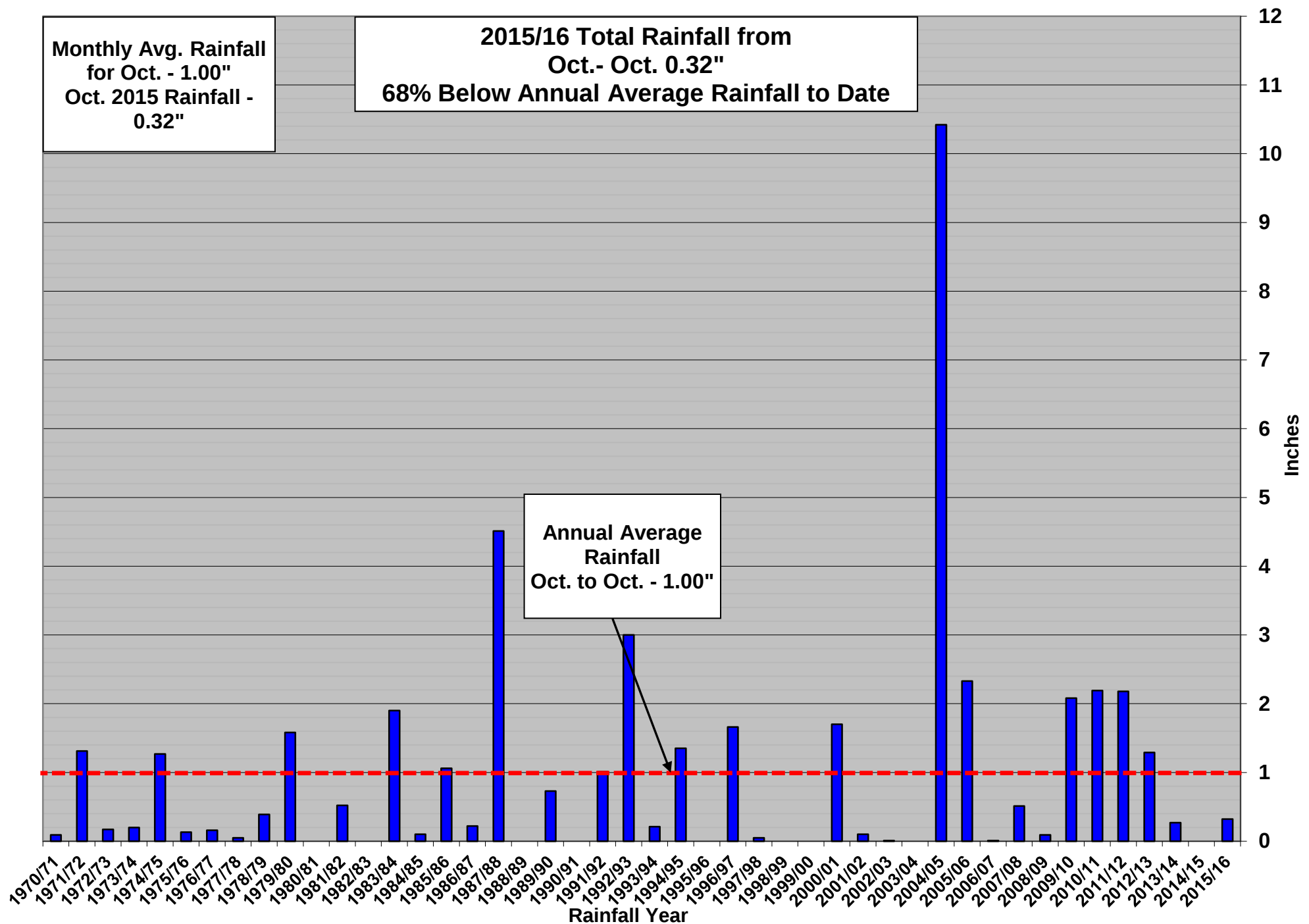
0.32"

2015/16 Fiscal Year Water Production			Groundwater Production Water Rights		Purchased Water Production Tier 2 Allocation		FMWD Water Supply Allocation Plan	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)	Month (July 15 - June 16)	Imported Water Production (ac-ft)
July	315	380	October	151	January	127	July	161
August	344	360	November		February	119	August	176
September	296	345	December		March	150	September	151
October	310	315	January		April	138	October	159
November		265	February		May	136	November	60
December		265	March		June	154	December	60
January		265	April		July	161	January	60
February		265	May		August	176	February	60
March		310	June		September	151	March	65
April		335	July		October	159	April	80
May		365	August		November		May	100
June		375	September		December		June	110
Total to Date	1,265	1,400	Total to Date	151	Total to Date	1,472	Total to Date	1,242
Projected	3,710	3,845	Water Rights	3,294	Tier 2	2,154	WSAP	2,009
% of Projected	32.9%	36.4%	% of Rights	5%	% of Allocation	68%	% of Allocation	62%
Remaining	2,580	2,445	Remaining	3,143	Remaining	682	Remaining	767

NOTE:

1) Blue Numbers - Estimate Total Water Production

Monthly Rainfall - 1970/71 - 2015/16 (Oct.- Oct.)



CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

November 03, 2015
Staff Report

To: Honorable President and Members of the Board of Directors
From: Christy J. Scott
Subject: **Water Conservation Update / Regulatory Update**

Monitoring Report Submitted to State for October 2015:

Production Numbers *

➤ Total Water Production October 2015:	310 AF
➤ Total Water Production October 2013:	423 AF
➤ Percent Reduction:	27 %
➤ Residential Gallons per Capita per Day (R-GPCD) October 2015:	90

*** Estimated numbers as calculated on 10/29/2015**

Compliance Reporting

➤ Days of outdoor Irrigation Allowed:	2
➤ Number of Water Waste Complaints:	25
➤ Number of Follow-ups:	25
➤ Number of Warnings:	25
➤ Number of Penalties:	0

Mandatory Water Reduction Goal

➤ Compliance Period:	June 2015 – February 2016
➤ Compliance Goal	380 AF
➤ Acre Feet Saved for October	112 AF
➤ Acre Feet Saved to Date	696 AF
➤ Acre Feet Saved Beyond Required Target	316 AF

Turf Rebates:

➤ Pending Applications:	71
➤ CVWD Funds Remaining:	\$0
➤ Funds Submitted to MWD July 2014 to date:	\$598,950.00
➤ MWD Funds Received July 2015 to date:	\$547,650.00
➤ MWD outstanding:	\$51,560.00
➤ Square footage of turf removed:	299,475

The District has until the end of November to submit any outstanding turf rebate applications to MWD. The remaining applications total approximately \$233,000. As of 10/30/2015, of the 71 applicants left, 10 have scheduled post inspections.

Urban Water Management Plan (UWMP):

The 2015 UWMP will be due to the Department of Water Resources July 1, 2016.

Dave Spain represented the District at the first of three planned table top exercises conducted with Operations Staff from the FMWD member agencies, as well as Pasadena, Glendale, and MWD. The meeting held October 28th, went over three scenarios that consisted of the actual planned 10-day shutdown scheduled for February 2016, and two fictitious scenarios, a long(greater than 20 days) and a short term unplanned shutdown.

The next two table top exercises will take place in November and December. Information learned from these exercises will be incorporated into the decision-making process for future capital improvement projects. A FMWD Board workshop will be scheduled during January or February 2016 to discuss the findings.

Regulatory Updates:

Well 7 was placed back into service on 10/26/2015.

Upcoming Events:

Date	Event	Location	Time	Comments
11/5/2015	Taste of the Foothills	Ralphs Parking Lot	5:30 PM - 7:30 PM	CVWD (Generator)
11/14/2015	Prom Plus Holiday Boutique	St. Luke's of the Mountains	All Day	CVWD Sponsor (100.00)
11/18/2015	CVWD Public Workshop (Rate Study)	CVWD Main Office	6:00 p.m.	
11/27/2015	Tree Lighting	Montrose Park Shopping	All Day	CVWD (Generator)
12/5/2015	California Native Landscape Class	La Canada Presbyterian Church (626 Foothill Blvd.)	9:00 AM - 12:00 PM	FMWD
12/5/2015	Montrose Christmas Parade	Montrose Park Shopping	6:00 PM	CVWD (Generator)