

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 November 1, 2016 at 7:00 p.m.**

Posted: October 28, 2016 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 18, 2016.

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. **Resolution No. 733** – Consideration and motion to adopt Resolution No. 733 designating tier 3 water consumption as excessive water use.
2. **Purchase of New Sewer Cleaning Truck, Project S-975** - Consideration and motion to authorize the General Manager to purchase a new sewer cleaning truck from Haaker Equipment Company for a total cost of \$275,337.47.
3. **Oak Creek Reservoir Rehabilitation, Project E-970** – Consideration and motion to authorize the General Manager to advertise for bids for steel reservoir rehabilitation at Oak Creek Reservoir with an engineer's construction estimate of \$337,600 and to find said project exempt from the provisions of the California Environmental Quality Act (CEQA).
4. **Lower Pickens Canyon Pipeline Crossing Repair, Project E-957** - Status report update of Lower Pickens Canyon pipeline crossing repair project.
5. **Strategic Planning** – Discussion regarding the Strategic Plan of the District.

Information Items

Written Communications to District

Staff Reports

- Secretary-Treasurer
- General Manager
- District Engineer
- Program Specialist
- Information Technology

Attorney Report

Reports of Committees

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

Director's Oral Reports

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

Closed Session

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
October 18, 2016

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of October 4, 2016, an Adjourned Regular Meeting was held on October 18, 2016, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President Kerry D. Erickson 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:	Christy Scott, Program Manager Wendy Holloway, Customer Accounts Supervisor Dennis Maxwell, Superintendent Richard Atwater, FMWD Director

PLEDGE OF ALLEGIANCE

President Erickson opened the meeting by asking Director Claessens to lead the Board 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 vote that the Agenda for the Adjourned Regular Meeting of October 18, 2016 be adopted as presented.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Richard Atwater reported on the FMWD Board Meeting of October 17, 2016. He said there is work being done on the SCADA system and FMWD is having landscaping classes in November and December at La Canada Presbyterian Church. Descanso Gardens is interested in continuing to sponsor a water conservation event in September and MWD is carrying over \$75 million that is left from the turf rebate program and adding it to the \$60 million conservation budget this year. Also, the water supply is drier this year and Lake Mead is at a historic low level that could result in a declared water shortage on the Colorado River in 2018. All FMWD agencies are currently taking more purchased water due to decreased ground water capacity.

CONSENT CALENDAR

It was moved by Director Bodnar, seconded by Director Claessens and carried by a 5-0 vote to approve the Minutes of the Regular Board Meeting held on October 4, 2016 and to ratify the disbursements for September 2016 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before August 31, 2016 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 Eighty Three Thousand Four Hundred Ninety Seven Dollars and Seventy One cents (1,083,497.71), which is composed of the individual items set forth herein.

ACTION CALENDAR

Seismic Sensors and Valve Actuators at Dunsmore & Pickens Canyon Reservoirs, Project E-976 –

Mr. Gould reported staff has been working on a program to install seismic sensors and valve controllers at all the District's reservoirs to prevent water loss during an earthquake. To date we have installed eight (8) of the fourteen (14) seismic sensor systems and staff requested and received a quote from AES Water, Inc (AES) for the purchase of the equipment for two more reservoirs in the amount of \$62,868. CVWD will install the concrete pad, conduits from the sensor cabinet to the inlet/outlet valve, motor and the valve actuator. AES will provide the equipment and assistance during the installation. The project should begin December 2016, and take about two weeks to complete.

Following discussion:

It was moved by Director Claessens, seconded by Director Tejeda and carried by a 5-0 vote to authorize the General Manager to award a contract to AES Water, Inc., to provide equipment for the installation of a new seismic sensor and valve controller at Dunsmore and Pickens Canyon Reservoirs at a cost of \$62,868 and establish a contingency amount of \$6,287 (10% of contract) to cover the cost of unforeseen or additional work.

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Mr. Gould reported staff contacted Mr. Tasso and provided an update from the last Board meeting. Staff discussed with AMEC Foster Wheeler & DMC Engineering the scope of work for the design and is awaiting proposals from each firm. Staff contacted the US Army Corps of Engineers, California Department of Fish & Wildlife, and the California Regional Water Quality Control Board to get permit requirements and is setting up meetings. We are investigating trenchless technology such as pipe bursting and slip-lining. Also, staff and consultants are preparing preliminary construction cost estimates.

First Quarter Budget Variance Report – Mr. Love discussed with the Board the First Quarter Budget Review for the Fiscal Year 2016/17. He reported on the water fund, water sales and imported water purchases, and the wastewater fund.

Strategic Planning – Mr. Love reported on the October 7th workshop with the leadership staff, which reviewed the Mission statement and discussed analysis of the strengths, weaknesses, threats and values of the District. There will be another strategic planning meeting on October 19th, and he will have the frame work ready for the Board workshop on November 4th.

INFORMATION ITEMS – CV Weekly – CVWD Customers continue to conserve.

WRITTEN COMMUNICATIONS TO DISTRICT – Letter received by Director Tejeda from Bearj Sarkis from 2726 Timberlake expressing his sincere thanks and gratitude to Dennis Maxwell, Rob Wood, and Jaysen Ortega for their help with his sewage backup.

REPORTS OF PERSONNEL

SECRETARY-TREASURER – None

GENERAL MANAGER – Mr. Love reported the District and FMWD issued a joint press release in opposition to Proposition 53 and said the local papers did not publish the press release. In regards to the District's rental house at 2857 Sycamore, they are in the process of taking down two diseased oak trees, and are working on a new landscape plan. The Pennsylvania rental house has a new tenant as the previous tenant moved out.

DISTRICT ENGINEER

Water Production – For the period of October 1 through October 14, 2016, water production was 55.5 million gallons for the period, which is **20.5% more** than the daily average production of the same period in 2015. This is **1.9% less** from the daily average production of the previous five years.

Rainfall: October 2016	0.22"
Season-to-date:	0.22"

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

Rainfall Update – 0.22" for October 2016. Rainfall total for 2016-17 is at 0.22".

Report on Engineering:

CIP Projects – Ocean View Chlorination Project – Inspection – Meeting with DDW on inspection of project. Pipeline Projects – 4200 – 4300 Blocks of Pennsylvania (Mills Pumpline) – under design. Working with Glendale, Public Works Department on Pennsylvania Ave. paving project to start in summer 2016. Pickens Canyon Pipeline Replacement and slope Repair. See staff report. Paschall Booster Station Upgrades – Staff working on Request for Proposal. Oak Creek Reservoir Rehabilitation – Staff working with Harper & Associates to finalize plans and specification within the next 2 weeks. Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir – See staff report.

Nitrate Removal Treatment Facility at Well 2 Project – Finalizing 50% technical memorandum. Setting up meeting with Glendale on permit requirements.

Crescenta Valley County Park Stormwater Recharge Facility Study – Task Force meeting – Tentatively set for October 19, 2016.

ULARA – Administrative Committee meeting on November 3, 2016.

Water Meter Replacement Program: Field crews started to replace water meters in Zones 10 & 11.

Report on Administrative and Field Operations:

Well Status – Well production capacity – Averaging 1.75 MGD for October 2016. Well 10 still out of service due to low water production. Well 16 – performed a dynamic video inspection and found out two pipe joints are leaking. The Well 16 pump is scheduled to be pulled out the week of October 24th for warrantee repairs.

Field Maintenance and Operations update for October 1 – October 14, 2016

Water lateral leaks & repairs

- 2523 Mayfield
- 2617 El Caminito
- 2967 Stevens

Fire Hydrant Leak – No Report.

Developer Job – No Report.

Water Main Leaks – No Report.

Booster Pump Maintenance – Oak Creek Booster “B” Waiting on New Motor – Late October 2016.

Reservoir Maintenance – No Report.

Sewer Maintenance – 1900 Block of Glenhaven. 1900 - 2000 Blocks of Glenada. 2000 – 2100 Blocks of Montrose. 2200 Block of Florencita. 3800 Block of Park Place. 3600 – 3700 Blocks of Verdugo Road. 2400 Block of Honolulu. 1900 Block of Las Palmas. 1700 & 1800 Blocks of Broadview. 2900 – 3000 Blocks of Ocean View.

Mr. Gould also reported on the Summary of the Grant Program, and on the cost savings of Well 16.

PROGRAM SPECIALIST – No Report

INFORMATION TECHNOLOGY – No Report

ATTORNEY – No Report

REPORTS OF COMMITTEES

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

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

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

Policy Committee – Director Claessens reported that the Committee will meet on October 27, 2016 at 8:30 a.m.

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

Emergency Planning Committee – Director Claessens reported that the Committee will meet on October 27, 2016 at 7:30 a.m.

DIRECTORS ORAL REPORTS

Director Bodnar reported he attended the Land Use Committee meeting and during the public comment, a CVWD customer voiced her concern over the water use and that people should do more to conserve water. He also attended the Two Strike Park Fun Run, and saw that the District provided containers of drinking water. He said this is a good outreach for the District.

Director Claessens inquired about the possibility of the District to participate in the Montrose Christmas Parade this year.

Director Putnam – No report

Director Tejeda reported on a conference presented by the Southern California Energy Water & Green Living Program on October 26 & 27th in Rancho Mirage, CA. She said if you are an elected official, there is no registration fee.

Director Erickson reported on an article from the CV Historical Society regarding a well that was started in 1913 with 200 inches of water.

CLOSED SESSION – Mr. Bunn reported that the Board unanimously voted to approve the settlement for the Verdugo-Honolulu case in the amount of \$30,000.

ADJOURNMENT

There being no other business to come before the Board at 8:19 p.m., it was moved by Director Bodnar, seconded by Director Claessens and carried by a 5-0 vote that the meeting be adjourned to November 1, 2016 at 7:00 p.m.

APPROVED

Kerry D. Erickson
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1
November 1, 2016

To: Honorable President and Members of the Board of Directors
From: Christy J. Scott
Subject: Resolution 733, designation of tier 3 water consumption as excessive water use

ACTION ITEM:

Consideration and motion to adopt Resolution 733, designating tier 3 water consumption as excessive water use

BACKGROUND:

On August 29, 2016, Governor Brown approved Senate Bill No. 814 which prohibits excessive water use by a residential customer during statewide or local emergency drought conditions and requires urban retail water suppliers to establish a method to identify and discourage excessive water use.

DISCUSSION:

During the Regular Board Meeting on October 4, 2016, legal counsel, Mr. Bunn reported on the SB 814 stating that the bill requires retail water agencies to identify and discourage excessive water usage.

A method of compliance for SB-814 is to establish a rate structure which discourages excessive water use. The Board adopted Resolution 730 on June 28, 2016 which includes an inclining tiered water rate structure for all individually metered single and multi-family residents. This structure was based on a cost of service study completed by Raftelis Financial Consultants, Inc. in 2016.

The cost of service study defined single family rates such that Tier 1 is indoor water use and Tier 2 is average summer use. Adopting Resolution 733 establishes that excessive water use is defined by water usage in Tier 3 and the inclining tiered rate structure is being used to discourage excessive water use through pricing.

RECOMMENDATION:

Staff recommends that the Board adopt Resolution 733 designating tier 3 water consumption as excessive water use.

Prepared by:



Christy J. Scott

Submitted by:



Thomas A. Love
General Manager

RESOLUTION NO. 733
RESOLUTION OF THE BOARD OF DIRECTORS OF
CRESCENTA VALLEY WATER DISTRICT
EXCESSIVE WATER USE

WHEREAS, the Crescenta Valley Water District was established for the purpose of providing adequate and reliable potable water to its customers 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, effective January 1, 2017, Water Code section 366 prohibits excessive water use by a residential customer in a single-family residence or by a customer in a multi-unit housing complex in which each unit is individually metered or sub-metered by the urban retail water supplier during a period for which the Governor has issued a proclamation of a state of emergency based on statewide drought conditions; and

WHEREAS, Water Code section 366 also requires each urban retail water supplier to establish a method to identify and discourage excessive water use, either by its rate structure or by an excessive water use ordinance; and

WHEREAS, Section 106 of the Water Code declares that the highest priority use of water is for domestic purposes, with irrigation secondary. To meet the objectives of Article X, Section 2, Water Code Section 375 et seq., a water purveyor may utilize its water rate design to incentivize the efficient use of water. The Board of Directors of the Crescenta Valley Water District by Resolution 730 on June 28, 2016 passed an inclining tiered water rate structure, based on a cost of service analysis, which discourages excessive water use through pricing.

RESOLVED, the Board designates water use in Tier 3 of its rate structure to be excessive water use for purposes of Water Code section 366, where Tier 1 is indoor water use and Tier 2 is average summer use.

PASSED, APPROVED, AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on November 1, 2016. Resolution No. 733 was adopted by the following vote:

AYES:

NOES:

ATTEST:

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

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

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
November 1 2016

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: Award of Contract – Purchase of a New Sewer Cleaning Truck, Project S-975

ACTION ITEM:

1. **Purchase of New Sewer Cleaning Truck, Project S-975** - Consideration and motion to authorize the General Manager to purchase a new sewer cleaning truck from Haaker Equipment Company for a total cost of \$275,337.47.

PROJECT DESCRIPTION:



In 2005, the District established a Wastewater Department to maintain CVWD's wastewater collection systems. At that time, the District purchased a sewer vactor combo cleaning truck from Haaker Equipment Company (Haaker) for cleaning or jetting of the sewers and cutting of roots in the sewer to maintain the system. The truck purchased was a 2005 model which had been used as a demonstration truck by Haaker. The District has modified the truck over the last 11 years including an approved smog device to meet AQMD standards and other modifications for better efficiency.

The truck has been in service for the past 11 years and has reached the point where the costs to maintain the truck are greater than the value of the existing truck. The truck has a

leaking water pump which would cost between \$8,000 and \$10,000 to replace and the storage tank would need to be replaced within the next two years.

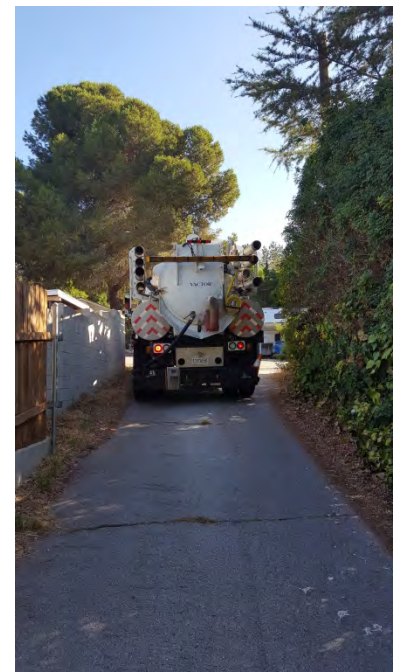
Staff discussed with Haaker, what would be the typical life expectancy of a truck such as CVWD's truck. Haaker indicated that a truck such as ours will last about 8 to 10 years before a major overhaul would be needed and Haaker indicated that CVWD's truck was in good condition, with minor repairs for resale to a smaller agency or another agency outside of California.

DISCUSSION:

Staff prepared a list of needs for a new sewer cleaning truck including the width of the truck being 8 feet wide to fit within the existing easement areas within CVWD's service area, the truck should be rated for a Class "C" license to drive, a new 2018 chassis frame, a larger pump size for cleaning, LED traffic control lighting on the rear, equipped with an engine brake to increase the safety with our steep terrain, and an upgraded storage tank (See Exhibit "A").

The requirement for a Class "C" license to drive the truck will allow CVWD to cross train additional field crew members for emergency situations. In addition the weight and size limits for Class "C" provide required maneuverability in narrow work areas with low vertical clearance.

Staff sent this request for a new truck to three (3) sewer cleaning truck equipment companies in Southern California and Texas. Haaker Equipment Company was the only local truck equipment company who could meet the District's requirements for a new truck. Another factor was the location of Haaker for service in La Verne, CA, which reduces the lead time for a truck being out of service during maintenance.



Haaker Equipment Company has been in business for over 40 years and has provided sewer cleaning trucks over those years with a commitment to delivering quality products and service. Haaker provides training, experience and dedication for its equipment as well product satisfaction and total support. District staff has also been working with Haaker over the last 11 years and has received excellent service.

Over the last few weeks, staff met with Haaker to go over the District's list for a new sewer cleaning truck. Staff also discussed the trade-in value of the existing truck with Haaker. As shown on the quote from Haaker, there is a \$29,000 credit for the trade-in cost, which also includes replacement of the water pump, if it should fail before the new truck is delivered.

RECOMMENDATION:

It is staff's recommendation to authorize the General Manager to purchase the new sewer truck from Haaker Equipment Company. The total quote from Haaker for the new sewer cleaning truck is \$304,337.47, which included a 3% discount and the State sales tax and with the \$29,000 credit for the trade-in cost, the total cost to CVWD will be \$275,337.47. The new sewer cleaning truck will be delivered within 6 -7 months after the order is placed with Haaker.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

There are sufficient funds available in the following account for the project:

Account Description	Amount
FY 16/17 Sewer Capital Outlay	\$300,000
Equipment Cost	<\$275,337.47>
Estimate for additional work including radios and other safety equipment	<\$2,500>
Total Cost Estimate	<\$277,837.47>
Amount Remaining in Sewer Capital Outlay Account	\$22,162.53

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:

Thomas A. Love
General Manager

Attachment:

1. Exhibit "A" – CVWD's List of needs
2. Exhibit "B" – Haaker Quote dated 10/18/16

Crescenta Valley Water District

New Sewer Cleaning Truck Requirements

Date: September 16, 2016

- Freightliner (Diesel fuel) with Allison automatic transmission, maximum H.P. due to steep terrain, driver's side air ride seat, A/C, Class "C" California legal truck
- Wireless remote pendant with vacuum relief (40' of range minimum)
- Water level sight gauge for fresh water supply and debris body
- Additional water supply by joining water and debris tanks (Maximum water supply that will keep the truck within legal limits) Must have an air operated valve to keep water from entering the blower
- 60 GPM pump ¾" hose with 600' + 25' leader hose (Front mounted hose reel) with digital footage counter and minimum 180 degree rotation
- Remote lube manifold at ground level for all grease fittings clearly labeled
- 3/8" hose X 50' on a retractable hose reel mounted at the front of the truck
- L.E.D. work lights on the rear and two sides of the truck as well as the boom with individual switching ability as well as a plug in front L.E.D. spot light (1000 lumens min)
- Whelan L.E.D. amber lighting package with mid ship lights as well as the 4 corners and a full length cab L.E.D. bar, rear L.E.D. arrow board
- Camera system for the front and rear of the truck (Front will line up the manhole location so the operator does not need to exit the cab to set up)
- Hydro excavation kit
- Hi grade reflective chevron striping on the rear debris body door
- 3 yard debris tank
- Cone holder's to hold (6) 18" cones in 3 locations. (Front passenger side, drivers side mid ship, rear passenger side) for a total of 18 cones
- Install supplied CVWD door logos as well as truck number decals
- 6" debris tubes 5' X 4, and 3' X 1 for a total amount of 23' with ground level access storage

- Roots positive displacement blower with the maximum diameter for this class truck, must be able to lift sand and rocks from a depth of 23' out of a sewer line
- Hydraulic rear door locks
- Minimum 4' hydraulic boom extension
- 6 sets of keys, 3 operations manuals
- Minimum of 3 tool boxes watertight seal and locking (location to be determined according to space)
- Handgun wash-down with adjustable spray with a 30' retractable hose reel in the front
- Back-up alarm, fire extinguisher
- Rear debris apron to keep debris off the bumper area while dumping
- 2- 2.5" fire hose fill points rear and passenger side with 20' of hose at each station, all hoses will have proper fire hose connections and no hose clamps
- Battery trickle charger with the cord routed to the driver's side behind the cab
- 3" "Y" strainer with stainless steel filter with easy access for daily cleaning (water supply)
- 3- tier 3 cleaning nozzles (wart hog style, spinning nozzle, general cleaning)

- Roots Blower 616 RCS
- Mud Flaps
- Color Coded Sealed Electrical System
- Blower Air Shift Controls
- Remote Pendant Control w/35' Cord
- Double Acting Dump Hoist Cylinder
- Ex-Ten Steel Cylindrical Debris Tank
- Water Level Sight Gauge
- Hydraulic Rear Door Locks
- 4' Hydraulic Extendable Boom w/120 Deg. Rotation
- Vacuum Relief (Kunkle Valves)
- 6" Air Operated Vacuum Relief
- Stainless Steel Float Balls Shut-Off
- Electronic Back-Up Alarm
- Vacuum Pipe Package - 6"
- Emergency Flare Kit
- Fire Extinguisher 5 Lbs.
- 4" Butterfly Decant Valve Rear Door Mounted
- Rear Door Splash Shield
- Low Water Alarm W/Light
- Handgun Hose Reel w/Spring Retract (Mounted front Bumper)
- Front Joystick Boom Control
- Tow Hooks, Front & Rear
- Vactor Manual, Partial Manual and USB Version

ADDITIONAL FEATURES INCLUDED

- 3" Y-Strainer w/25' Fill Hose
- Module Paint, Dupont Imron Elite - Sanded Primer Base
- Folding Pipe Rack, Curbside
- Folding Pipe Rack, Streetside
- Debris Body Load Limit Alarm functionally tied to Vacuum Relief
- Additional Water, Water and Debris Tanks Joined
- Hot Shift Blower Drive
- Lube Manifold
- Plastic Lube Chart
- Handgun Couplers, Front and Rear
- Wireless Remote, Handheld
- Hydro Excavation Kit/Retract Reel w/3/8" X 50' Hose and Nozzle
- Additional Mechanical Hose Footage Counter
- Hand Light w/Bumper Plug
- Worklight, Operators Station
- Worklights (2), Extendable Boom
- Worklights (2), Rear Door
- Rodder Pump Drain Valves
- Camera System, Front and Rear
- Door Stripe Material, Reflective Tape
- 72 x 18 x 18 Toolbox Mounted Streetside
- (2) 6" x 5' Aluminum Vacuum Tube
- (2) 6" Quick Clamp Assembly
- 60gpm@2500psi water pump
- Worklight, Curb side
- Safety Cone Storage Rack - Post Style (ship loose)
- Debris Body Isolation Valve Air Actuated
- Whelen LED Light Package including LED Light bar, LED Hideaways, Rear LED Strobes, LED Traffic Advisor and 2 additional strobes
- (2x) 20' Hydrant Fill Hoses
- Trickle Charger Hooked to Battery
- (3x) 60gpm Nozzles, Wart Hog, Spinner, Genreal Cleaning
- 16 Hours of Training Included

NJPA Contract Price \$ 287,844.15
3% NJPA Discount: (\$ 8,635.32)
Subtotal:..... \$ 279,208.68
Sales Tax (9.0 %)..... \$ 25,128.79

TOTAL PRICE F.O.B., LA CRESCENTA, CA.: \$ 304,337.47

TRADE IN: 2005 Vactor 2103.....\$ 29,000.00

Note: if Water pump fails on Trade in while new truck is being built, Haaker Equipment will Replace the water pump at no charge within a 48hr's.

THE PROPERTY HEREIN IS GUARANTEED BY MANUFACTURER'S WARRANTY ONLY AND SELLER MAKES NO WARRANTY EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE, OR OF FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTENDS BEYOND THE ABOVE DESCRIPTION OF THE EQUIPMENT.

NOTE: Price is good until 60 Days. Cost increases due to the addition of Government mandated safety or environmental devices incurred after the date of this proposal, will be charged to you at our cost. Proof of such costs, if any, will be documented.

TAXES: SALES TAX applicable at time of delivery will be shown on our invoice. FEDERAL EXCISE TAXES, if applicable, will require payment unless a properly executed Exemption Certificate is submitted.

DELIVERY: Approx. 300-330 Days **TERMS:** Net 30

We appreciate the opportunity to present this proposal and look forward to being of further and continued service.

HAAKER EQUIPMENT COMPANY

ACCEPTED BY: _____

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Agenda Item No. 3

November 1, 2016

To: Honorable President and Members of the Board of Directors

From: David S. Gould, P.E. – District Engineer

Subject: Advertise for Bids – Steel Reservoir Rehabilitation at Oak Creek Reservoir, Project E-970

ACTION ITEM

Steel Reservoir Rehabilitation at Oak Creek Reservoir, Project E-970 – Consideration and motion to authorize the General Manager to advertise for bids for steel reservoir rehabilitation at Oak Creek Reservoir with an engineer's construction estimate of \$337,600 and to find said project exempt from the provisions of the California Environmental Quality Act (CEQA).

BACKGROUND:

Crescenta Valley Water District (CVWD) owns two (2) 1.6 MG steel tanks at its Oak Creek Reservoir site located at 5041 Cloud Avenue. The steel tanks were built in 1958 and 1961. In 1996, an assessment was performed by Harper & Associates Engineering, Inc. (Harper) of the District's 17 reservoirs and it was determined that the Oak Creek Reservoirs needed to be re-coated to extend the life of the steel tanks. The re-coating of the reservoirs, which also included seismic structural upgrades was completed in September, 2001 and since that time, the interior & exterior of each reservoir have been inspected every five (5) years.

In December 2005, the Oak Creek reservoirs were inspected and it showed random general corrosion on the roof and rafters.

In October 2011, the reservoirs were again inspected and there was increased corrosion on the roof and rafters above the water line. The report stated that the underside of the roof and structural elements are in poor condition. It was recommended to sand blast, remove the coating and corrosion, and re-coat the interior roof and shell. In addition, any structural members damaged by the corrosion should also be replaced. It was believed that the advanced corrosion in the open area above the water line was due to "off-gassing" of chlorine and not enough ventilation or air circulation to remove the chlorine into the atmosphere.

In July 2016, the reservoirs were inspected by Harper and they indicated that the condition of the roof and structural members above the water surface for both reservoirs were in worse condition than back in 2011.

DISCUSSION:

In July 2016, Harper was awarded a consultant contract to provide engineering services for the rehabilitation design for Oak Creek Reservoir. Staff & Harper determined that Oak Creek #2 was in the worst condition and they recommended that the interior coating (both above and below the waterline) should be re-coated. In addition, the floor of the Oak Creek #2 reservoir, which was coated with coal-tar enamel showed signs that it will also need to be replaced. The coal-tar enamel is no longer allowed to be used in steel tanks; therefore, a new coating system would have to be installed.

Harper has completed the design of the project which included sandblasting and removal of the existing interior and floor coating, re-coating the interior with an epoxy coating paint, installation of additional ventilation with fans on the roof to increase air circulation and reduce the amount of chlorine "off-gas" inside the reservoir, a new epoxy coating system on the floor, re-installation of seismic structural steel to the roof and other appurtenances.

The Board requested that the project include an alternative bid item for re-coating of Oak Creek #1 to see if there was any cost savings by bidding the work on both reservoirs at the same time. Staff discussed this with Harper and the preliminary cost estimate for Oak Creek #1 was \$299,100 and Oak Creek #2 was \$307,600 for re-coating and structural repairs. These preliminary costs did not include mobilization and demobilization costs, which will be about \$30,000. Since the second reservoir is not budgeted for FY 16/17, the mobilization costs are about 10% of the project, and the project schedule would have the second reservoir out of service in April and May 2017; staff made the decision not to include an alternative bid item in this bid package. The rehabilitation of Oak Creek #1 will still be included in FY 17/18 budget.

RECOMMENDATION:

Staff recommendation is to authorize the General Manager to advertise for bids for the Steel Reservoir Rehabilitation at Oak Creek #2 Reservoir at an engineer's construction estimate of \$337,600. Also staff is requesting that the FY 16/17 CIP budget for water storage be increased by \$90,000 to \$410,000 to cover additional costs.

The project schedule is to advertise for bids in October and November 2016, award the contract in December 2016, start construction in January 2017 and construction should be 2 to 3 months. Typically, CVWD does construction or rehabilitation on its reservoirs during the winter or low demand season.

Christina Olmedo is the project manager and Cory Whitman will be the on-site inspector. This project will require specialty inspection for the re-coating process and this will be discussed further when the award of contract.

ENVIRONMENTAL REVIEW:

This project is exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301 of the CEQA Guidelines. This exemption covers the repair of existing facilities involving negligible or no expansion of existing use.

FUNDING AVAILABILITY:

There are sufficient funds available in the following account for the project:

Account Description	Amount
FY 16/17 Water CIP– Water Storage	\$410,000
Cost for Design Services + 10% Contingency	<\$13,400>
Preliminary Cost Estimate for Contractor	<\$337,600>
Additional costs such as specialty inspection costs, construction administration costs & contingency	<\$55,000>
Total Cost Estimate	<\$406,000>
Amount Remaining in Water CIP – Water Storage	\$4,000

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:

Thomas A. Love
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 4
November 1, 2016

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: **Lower Pickens Canyon Pipeline Crossing Repair, Project E-957**

ACTION ITEM:

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Status report and discussion of Lower Pickens Canyon pipeline crossing repair project

BACKGROUND:

On May 30, 2015, a water main break occurred on the Lower Pickens Canyon pipeline crossing located on the slope near 5481 Ocean View Blvd. This pipeline is one of three (3) pipelines which cross Pickens Canyon. This pipeline was installed in 1956 and a portion of the pipeline was replaced in 1972. The leak has been repaired with a stainless steel clamp and water has been restored to the area. The pressure in the pipeline is approximately 150 psi and the natural slope above and below the pipeline was severely eroded by the water.

Staff determined that the pipeline will have to be either repaired or replaced to prevent any future leaks. The slope will have to be repaired to prevent any future erosion.

Staff worked with DMc Engineering (DMc) and AMEC Foster Wheeler (AMEC) on the design of an interim pipe & slope stabilization and erosion control plan. This interim plan included installing sand bags with slurry to support the exposed pipeline and to prevent further erosion of the slope during the rainy season. The installation of the interim plan was completed by West End Engineering in February, 2016.

October 4, 2016 Report:

- Staff reviewed slope & pipeline replacement options with the Engineering Committee. The Committee recommended Option 2 to repair the slope and install a new 8-inch pipeline from the bottom of the slope, reconnect at the angle point near the top of the slope where the pipeline goes underground and through the easement. Board concurred with the Engineering Committee's recommendation.
- Staff met with the City of La Canada Flintridge (LCF) to discuss the Ocean View Blvd pavement replacement project from Foothill Blvd to the top of Ocean View, and the restoration of the existing slope on a portion of Ocean View Blvd, just north of the project site.
- Staff met with Mr. Jack Tasso, property owner at 5481 Ocean View Blvd regarding his concerns about the construction schedule and how it will affect his property.
- Board authorized the General Manager to enter into agreements for professional design services with AMEC Foster Wheeler & DMc Engineering for a maximum cost of \$75,000

October 18, 2016 Report:

- Provided Mr. Tasso an update of the project.
- Received proposals from AMEC Foster Wheeler for \$20,500 and DMc Engineering for \$36,520 for a total of \$57,020.
- Staff contacted U.S. Army Corps of Engineers, California Department of Fish and Wildlife, and California Regional Water Quality Control Board to get permit requirements.

STATUS REPORT:

- AMEC's Restoration Ecologist, Clayton Kraft, visited the site to assess the restoration possibilities with respect to slope erosion and replanting of the slope. Mr. Kraft prepared a report that will be used as part of the design. He noted that a geotextile fabric should be installed on the top of sloped area to keep the soil and new plants in place after construction.
- AMEC will be setting up meetings with U.S. Army Corps of Engineers, California Department of Fish and Wildlife, and California Regional Water Quality Control Board regarding permits.
- DMC started the design of the project including preliminary alignments and created base sheets. A draft design should be available by November 4, 2016.
- Staff will be contacting TT Technologies, Inc about pipe bursting and slip-lining equipment and methods to replace the pipeline using the same alignment between the properties at 5474 & 5481 Ocean View.
- Staff will be setting up site visits with pipeline product vendors that provide fusible PVC pipe and HDPE fusion pipe for preliminary costs
- Staff and consultants are continuing to work on preliminary construction cost estimates.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

Staff will update after meeting with consultants and pipeline vendors

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:

Thomas A. Love
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Item No. 5
November 1, 2016

To: Honorable President and Members of the Board of Directors
From: Thomas A. Love, General Manager
Subject: Discussion on Strategic Planning Process Schedule and Status

ACTION ITEM:

1. **Strategic Planning Work Plan** – Discussion of approach, schedule, and status of the strategic planning process.

BACKGROUND:

In 2005 the Board and staff initiated a strategic planning process resulting in a “2005-2010 Strategic Plan”. In 2011 the Board and staff again initiated a strategic planning process which resulted in a facilitated public workshop with the Board to define the District's issues relative to preparing the FY 2011/12 budget.

On October 20th, 2015 the Board and General Manager identified development of an updated strategic plan as an objective to be completed in 2016.

The Board discussed the strategic planning process on June 7, 2016 and provided direction to initiate the strategic planning process through a series of management staff workshops and focused Board workshops to be facilitated by Legal Counsel. On August 9, 2016 staff presented a strategic planning approach and schedule to complete the strategic planning process through a series of workshops with leadership staff and the Board.

DISCUSSION:

Three workshops with the District's leadership staff (Leadership Team) have been conducted on August 30th, October 7th and October 12th. Staff participation in these workshops has been productive and significant progress has been made in preparation for the first board workshop on November 4th. The Leadership Team has reviewed the District's Mission Statement and conducted an analysis of strengths, weaknesses, opportunities and threats (SWOT Analysis) including ranking by importance. The Leadership team also discussed a value statement (how we conduct business) and vision statement. A summary of the leadership team workshop is attached.

The first Board strategic planning workshop is scheduled on November 4th with the following agenda:

1. Introduction/Objectives
2. Review Mission Statement
3. Leadership Team SWOT Analysis Summary
4. SWOT Analysis
 - a. Internal Strengths/Weaknesses
 - b. External Opportunities/Threats
 - c. Focus Areas Ranking

5. Value Statement - How we conduct business
6. Vision Statement
7. Next Steps

In preparation for the November 4th workshop the Board members should review the AWWA Effective Utility Management Primer and the paper titled “Integrated Resource Planning and Strategic Planning for Water Utilities. These documents were previously provided to the Board on August 11th.

Schedule:

Attached is an updated strategic planning schedule with an anticipated final draft review at the January 17th 2017 Board meeting.

Prepared & Submitted by:

A handwritten signature in blue ink, reading "Thomas A. Love", with a horizontal line extending to the right.

Thomas A. Love, P.E.
General Manager

CVWD Strategic Planning 2016

Leadership Team Workshop October 7, 2016 8:00am – 3:00 PM Meeting Notes

Participants: Tom Love, David Gould, Christy Scott, Ron Mitchel, Mark Hass, Dennis Maxwell, Dave Spain, Raymond Dodge, Bryan Jones, Wendy Holloway, Lynne Sovich,

Mission Statement Review: The Districts Mission Statement was reviewed and no changes are recommended.

“The mission of the Crescenta Valley Water District is to provide dependable water service and wastewater collection to its customers in La Crescenta, Montrose, and portions of Glendale and La Canada Flintridge.”

Situational Analysis

Strengths: The group developed a list of internal strengths which were ranked based on the groups level of concurrence.

Staff Concurrence Ranking

Strengths:

1. Experienced, dedicated, reliable, safe workforce	38
2. Reliable infrastructure systems (redundancy)	31
3. Reliable, responsive customer service	24
4. Compliance with regulatory requirements	19
5. Good water quality	16
6. Mandatory appropriate safety measures and practices	9
7. Diverse water supply portfolio	7
8. Effective use of asset management principals	5
9. Adequate Financial Reserves	3
10. Sustainable long term financial plan	0
11. Appropriate rate adjustments implemented (with Cost of Service)	1
12. Effective internal communications	3
13. String reliable leadership	3
14. Proactive environmental stewardship	2
15. Prepared for emergency response	1

Weaknesses: The group developed a list of internal weaknesses which were ranked by the group based on importance.

Weaknesses:

Importance ranking

1. Aging infrastructure	6
2. Limited cross training	5
a. For succession and backup	
3. Outdated/Lack of Emergency response plan	5
a. Equipment SOP's, training	
4. Lack of long term water supply strategy	4
5. Lack of internal communication, management-staff, dept-dept	4

6. Aging workforce	3
7. Reactive vs. proactive maintenance, limited preventive maint. and planning	1
8. Sensitivity to rate increases results in lack of funding for	1
a. Maintenance and system reliability	
9. Limited, ineffective external communication	0
10. Little or no accountability for actions or inaction	0
11. Limited employee development	1
12. Low employee morale	1
13. Resistance to change, comfort with status quo	0
14. Missed opportunities for efficiency - \$\$ and labor	1
15. Need improvements in governance effectiveness	2

Weaknesses Summary. The weaknesses were grouped into five categories or focus areas and ranked based on importance and number of weaknesses in each category.

Focus Areas:	Ranking
1. Workforce Planning	15
2. Emergency Planning	5
3. Infrastructure	7
4. Water Supply Planning	4
5. Finance	2

Threats/Opportunities

Threats: The group identified the following list of external threats (events or actions which the District cannot control).

Contamination	Natural Disaster	Terrorism – cyber, water supply
Malicious attacks – vandalism, theft	Regulations	Legislation
Litigation	Economic changes	Climate change
Negative industry media stories (Flint Michigan)		Labor shortages
Demographic changes	Supply interruptions (power, chlorine, consumables)	
Community activism		

Opportunities: The group identified the following list of external opportunities.

Grant funding	Legislation	Economy
Technology	Partnerships	Community involvement
Education system (leveraging for workforce replacement)		Workforce skill set (technology savvy)

Trends/Drivers: The group discussed recent trends and drivers that could influence change.

Declining groundwater
Increasing customer awareness (conservation/drought)
Political climate related to water supply and conservation
Calls for transparency
Inflation
Technological advancements

“Internet of Things” connectivity, social media, instant information

Incoming workforce (millennials, gen x, gen y) attributes, work environment (flexibility, telecommuting)

Implications of failure to act: The consequences of failing to address the weaknesses were discussed.

Workforce planning-

- Loss of institutional knowledge
- Loss of incident responsiveness
- Loss of morale
- Increase in accidents
- Loss of efficiency
- Additional cost
- Loss of customer confidence

Emergency planning-

- No coordination
- Lengthy service interruptions
- Regulatory violations
- Jeopardize employee/public safety
- Loss of customer confidence
- Loss of partner support

Infrastructure-

- Lengthy service interruptions
- Regulatory violations
- Jeopardize employee/public safety
- Loss of customer confidence
- High repair/replacement costs
- Consequential damages

Water supply planning-

- Higher water supply cost
- Increased infrastructure cost
- Water quality impairment
- Severe mandatory water use restrictions
- Loss of customer confidence

Financial health-

- Reductions in services
- Loss of customer confidence
- Increased debt cost
- Loss of reserves and interest earnings
- Layoffs
- Consolidation/takeover
- Significant rate increases

Values: The group discussed descriptors about how we conduct business and treat customers, members of the community, employees.

Integrity, respect, competence, professionalism, innovation, effectiveness, teamwork.

Vision: The General Manager presented a draft vision statement to describe his vision for the District in the future. The following vision statement was drafted with input from the leadership team.

CVWD provides water and wastewater services efficiently and effectively and the value of these services are recognized by the customers and community.

Next Steps:

Action	Responsible	Due Date
Meeting notes	GM	10/11/16
Schedule follow-up workshop	GM	10/11/16
Update strategic planning schedule	GM	10/14/16

Ron Mitchell

From: Thomas Love
Sent: Wednesday, October 19, 2016 10:35 AM
To: Christy Scott
Cc: David Gould; Ron Mitchell
Subject: State considers water district "water budgets"

FYI. Ron please include this in the Nov.1st board package.

State considers new drought rules as conservation ebbs

Rancho Santa Fe resident Holly Manion cut her water use more than 20 percent after removing most of her lawn two years ago and letting several palm trees die.



[Joshua Emerson Smith](#) Contact Reporter

As California faces the daunting prospect of its sixth straight year of drought, regulators are preparing to roll out the state's first-ever permanent "water budgets" aimed at slashing consumption on a district-by-district basis.

ADVERTISING

The idea is to determine each water district's allowable supply by establishing customized targets for indoor use and outdoor landscaping, along with adjustments for weather differences in various parts of the state and between coastal versus inland communities.

"The state is going to come up with permanent requirements for water-use efficiency across all these districts," said Max Gomberg, climate and conservation manager at the State Water Resources Control Board.

“We’re not saying everyone everywhere has to eliminate all turf, but if you live anywhere south of Eureka, that shouldn’t be the dominant plant material of your landscaping,” he added.

Since Gov. Judy Brown’s mandated, emergency drought restrictions were widely rolled back in June, conservation has continued among urban residents and businesses — but not with the same level of zeal.

Nearly all water districts in San Diego County and many across the state have made conservation a voluntary goal again. For example, these districts no longer limit outdoor irrigation to certain days and hours of the week.

More than 62 percent of California remains in severe to exceptional drought, according to the U.S. Drought Monitor.

While many residents have continued to conserve aggressively, some have responded to the looser standards by watering their ailing trees, browning lawns and other vegetation. State officials recently announced that August was the third consecutive month of significant increases in water use.

“I’ve seen it right away,” said Robert Graham, who lives in the North County community of Hidden Meadows. “I see it on the lawn, and I see it on the sidewalk and the streets. You can tell they’re watering, but I haven’t actually seen it running down the street — overwatering.”

The 93-year-old said he and his wife have kept up their conservation intensity even though it hurts to see their fir trees suffer. “We haven’t gone back to twice a week yet, but I do a little hand-watering for the trees that need it,” he said.

Water consumption jumped sharply in recent months in places like Rancho Santa Fe, where multi-acre homes typically feature lush landscapes.

Residents there used more than 524 gallons a day per person in August — the highest per-capita consumption in the state, and up from 339 gallons in the same month last year. By

comparison, average daily water use per person for the coastal portion of Southern California was 103.9 gallons.

Consumption in the Santa Fe Irrigation District, which also encompasses Solana Beach, decreased somewhat in September, according to numbers the agency gave early to The San Diego Union-Tribune.

California's relaxed water-use standards may be only temporary for homeowners who have continued to maintain lawns, which in some cases suck up hundreds of gallons per day on a single property.

We're not saying everyone everywhere has to eliminate all turf, but if you live anywhere south of Eureka, that shouldn't be the dominant plant material ...— Max Gomberg, climate and conservation manager at the State Water Resources Control Board.

In January, the state water board plans to complete a framework for implementing its permanent water-use budgets for California's 411 urban districts. Those budgets would then be phased in during coming years.

Regulators said once a budget has taken effect, the state may adjust each district's target depending on whether it's been a wet or dry year, if there's protracted drought and other factors.

For the time being, the board has lifted mandatory conservation thresholds on about 84 percent of water districts in California, including all suppliers in San Diego County. Before returning to voluntary conservation, each water agency was required to show it had enough water to meet demand amid three years of continued drought.

In August, the average water conservation rate in California was about 17 percent — down from 27 percent for the same month last year. Savings rates are derived from a comparison with corresponding months in 2013, the benchmark year that Brown set for his emergency drought order.

From June through August, residents and businesses in San Diego County used about 18 percent less water compared to the same period in 2013. But during the same three months last year, the combined savings rate was roughly 27 percent.

This August was the starkest month yet for waning conservation in the region, with local residents using significantly more water than a year ago — most notably in the Rainbow Municipal Water District, Olivenhain Municipal Water District and Santa Fe Irrigation District.

Still, while some people have ramped up water use of late, conservation clearly remains in vogue for many San Diegans. Local water officials are quick to point out that even without mandatory restrictions, people have continued to limit their outdoor watering and reap the benefits of newly installed, water-efficient appliances.

“The message is out and people are living it now,” said Jeff Stephenson, principal water resources specialist at the San Diego County Water Authority.

Indeed, the Oceanside, Poway and Valley Center districts achieved robust conservation numbers this past summer, likely in part because of turf-replacement programs that have helped thousands of homeowners rip out grass and install artificial turf or other drought-tolerant landscapes.

In Fallbrook, residents actually improved their water savings in August by a significant margin, with daily residential use falling to 70 gallons per person — down from 148 gallons in the same month last year.

“Truly, since our cutback order has been removed, our customers have continued to conserve ...” said Noëlle Denke, spokeswoman for the Fallbrook Public Utility District. “It’s just in their heads. I think habits are changing, evolving. Their minds are on conserving.”

In Rancho Santa Fe, Holly Manion’s family has cut its water use by more than 20 percent after removing most of the lawn on its three-acre property in 2014 and letting several palm trees die.

Today, the front yard bursts with artfully arranged succulents, which she collected for free from other people’s yard waste around the neighborhood.

“I hardly have any water at all going on in this,” said Manion, 63, a lifelong resident of the community. “What’s nice is the marine layer also helps because it gets moister in the morning. So this winter, I’ll be completely able to turn the water off.”

Another Rancho Santa Fe resident, Danielle Balest, said she has eucalyptus trees instead of grass on her three-acre property, which she has been watering sparsely.

“The trees are suffering slightly,” said Balest, 48. “I have been told by two arborists that they could use more water, but I’m just hoping for a lot of rain this winter.”

She added: “I don’t know anyone who’s not concerned about the drought.”

It’s unclear whether those good intentions will be enough to meet the state’s forthcoming expectations.

State regulators have praised a handful of districts that have encouraged water conservation through aggressive pricing models that also balance the need to cover expenses related to pipes and other infrastructure. Such approaches carefully track indoor and outdoor consumption and then harshly penalize any use that’s considered excessive.

“Water suppliers with allocation-based rate structures do a good job at promoting conservation while stabilizing revenue,” said Gomberg with the water board. “There are about 15 of them, including Irvine Ranch Water District, Moulton Niguel Water District, Western Municipal Water District, Eastern Municipal Water District.”

Urban water pricing is calculated through the combination of a fixed rate and a charge based on volume consumed. The more water someone uses, the higher his or her bill.

If the fixed rate is too high, then the pricing structure may not send a strong enough conservation signal. If the fixed rate is too low, then conservation in times of drought could undermine a district’s financial stability.

Most water suppliers go beyond this basic pricing structure by imposing tiers with progressively higher rates. So if a resident uses more than a certain amount, the cost rises per standard unit of 100 cubic feet, or 748 gallons.

Pricing can vary significantly based on a number of factors, from local politics to the size of the water system.

In the city of San Diego, residents living in single-family homes can use up to four standard units at \$4.50 per unit before getting bumped up into the next pricing tier. In Rancho Santa Fe, the first tier extends to 15 units at the rate of \$2.12.

In places like the Eastern Municipal Water District, which services parts of Riverside County, tiers for single-family residential homes are more dynamic, fluctuating with weather conditions. If water consumption exceeds what's deemed appropriate for indoor and outdoor use, the rates more than triple in a tier that's explicitly labeled "wasteful."

This kind of close accounting, with highly nuanced and customized factors for each water district, is at the heart of the state's developing protocol.

Thomas A. Love, P.E.
General Manager
Crescenta Valley Water District
818-248-3925 (office)
626-825-3678 (cell)

**CRESCENTA VALLEY WATER DISTRICT
INVESTMENT PORTFOLIO SUMMARY
October 28, 2016**

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		\$ 70,451	\$ 70,451	0.47%	\$ 70,451	none	n/a	\$ 30	0.02%
GREAT PACIFIC SECURITIES	GPC-804452		\$ -	\$ -	0.00%	\$ -	none	n/a	\$ -	0.02%
BOND DEBT SERVICE FUND	6948-331525		\$ 316,999	\$ 316,999	2.12%	\$ 316,999	none	n/a	\$ 28	0.06%
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 2,090,181	\$ 2,090,181	14.00%	\$ 2,090,181	none	n/a	\$ 3,465	0.55%
TRANSFER FROM MTBE RESERVE			\$ 2,000,000	\$ 2,000,000	13.40%	\$ 2,000,000				
FEDERAL FARM CREDIT (83)	3133EAY28	10/9/2012	\$ 500,000	\$ 502,885	3.37%	\$ 500,265	9/21/2017	n/a	\$ 1,046	0.71%
FEDERAL FARM CREDIT (87)	3133EC4Y7	11/19/2012	\$ 500,000	\$ 500,000	3.35%	\$ 500,005	11/27/2017	n/a	\$ 1,172	0.93%
FEDERAL FARM CREDIT (101)	31331VY26	6/14/2016	\$ 1,000,000	\$ 1,211,530	8.12%	\$ 1,196,280	8/16/2021	n/a	\$ 13,863	1.26%
FEDERAL FARM CREDIT (103)	31331VQG4	8/2/2016	\$ 1,000,000	\$ 1,287,830	8.63%	\$ 1,268,240	2/6/2026	n/a	\$ 8,405	1.88%
			\$ 7,477,630	\$ 7,979,875		\$ 7,942,420			\$ 28,010	
CONSTRUCTION FUNDS										
COPS RESERVE FUND	108614000		\$ 617,247	\$ 617,247	4.13%	\$ 617,247	none	n/a	\$ 25	0.02%
			\$ 617,247	\$ 617,247		\$ 617,247			\$ 25	
MTBE CONTINGENCY FUNDS										
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 1,450,000	\$ 1,450,000	9.71%	\$ 1,450,000	none	n/a	\$ -	0.55%
GREAT PACIFIC SECURITIES	GPC-003670		\$ 94,278	\$ 94,278	0.63%	\$ 94,278	none	n/a	\$ -	0.02%
TRANSFER TO WATER RESERVE			\$ (2,000,000)	\$ (2,000,000)	-13.40%	\$ (2,000,000)				
FEDERAL FARM CREDIT (M-48)	3133ED4U3	5/11/2016	\$ 500,000	\$ 518,915	3.48%	\$ 515,440	10/11/2019	n/a	\$ 2,678	0.99%
FEDERAL FARM CREDIT (M-49)	3133EA5N4	5/11/2016	\$ 1,250,000	\$ 1,260,763	8.45%	\$ 1,257,612	10/22/2019	n/a	\$ 3,938	0.99%
US TREASURY (M-53)	912828R36	7/12/2016	\$ 1,000,000	\$ 1,013,212	6.79%	\$ 1,001,330	5/15/2026	n/a	\$ 3,562	1.48%
US TREASURY (M-54)	912828S76	8/5/2016	\$ 1,000,000	\$ 1,002,175	6.71%	\$ 998,560	7/31/2021	n/a	\$ 1,726	1.08%
US TREASURY (M-55)	912828R36	8/25/2016	\$ 1,000,000	\$ 1,004,930	6.73%	\$ 1,001,330	5/15/2026	n/a	\$ 1,603	1.57%
US TREASURY (M-56) NEW	912828R36	10/4/2016	\$ 1,000,000	\$ 997,540	6.68%	\$ 997,540	5/15/2026	n/a	\$ -	1.65%
FEDERAL FARM CREDIT (M-57) NEW	3133EGWX9	10/5/2016	\$ 1,000,000	\$ 987,148	6.61%	\$ 987,148	4/6/2026	n/a	\$ -	1.96%
			\$ 6,294,278	\$ 6,328,960		\$ 6,303,237			\$ 13,507	
TOTAL INVESTMENTS			\$ 14,389,155	\$ 14,926,083		\$ 14,862,905			\$ 41,542	
CASH- PAYROLL ACCOUNT	0948-024724		\$ 2,085	\$ 2,085	0.01%	\$ 2,085				
TOTAL CASH AND INVESTMENTS			\$ 14,391,241	\$ 14,928,168	100%	\$ 14,864,990			\$ 41,542	0.64%
						\$ (63,178)	***Unrealized Gain/(Loss) on Investments			

Yield on investments including LAIF but not cash accounts	1.20%
Yield on investments not including LAIF or cash accounts	1.32%

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. 728 adopted on December 8, 2015.

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.

	July 31, 2016	June 30, 2016	May 31, 2016
Water	\$ 11,266,866.22	\$ 11,245,739.55	\$ 11,210,049.46
Wastewater	\$ 4,453,290.40	\$ 4,764,187.73	\$ 4,404,631.74
Total Funds	\$ 15,720,156.62	\$ 16,009,927.28	\$ 15,614,681.20

October 28, 2016
Date

Ron L. Mitchell, Secretary-Treasurer, CVWD

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

GM Report
November 1, 2016

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

Water Sales Status

Projected water production for Fiscal Year 2017 is 3,700 acre-feet, or 6% more than produced in FY 2016. Budgeted water sales revenue is \$6.95 million in FY 2017. FY 2017 projected water sales revenue to date is trending above budget by over \$300,000. Projected water sales revenue for July through November is \$3.70 million versus \$3.37 million budgeted revenue. Projected imported water purchase expense for the same period is trending higher than budget by about \$265,000. Groundwater production is trending at 20% below projections which, combined with increased demands, has resulted in increased imported water purchases. Other water fund expenditures are trending 11% (\$170,000) below budget.

General Manager Objectives

In November 2015 the Board identified objectives for the District and General Manager. The General Manager is also taking the lead on additional projects. The following is a summary of the progress and status for each objective or project.

Objective	Due Date	Status
Long-term strategic plan	December 31, 2016	3 Leadership Staff Workshops completed. Board Workshops scheduled for Nov. 4 and Dec. 2
Complete Cost of Service Study for water and wastewater	June 30, 2016	Completed
Continued cost containment and improved financial reporting	On Going	Labor and Benefits 14% under budget (vacant positions). Other Expense 11% under budget.
Develop a ten-year CIP	June 30, 2016	Draft ten-year CIP has been prepared by the District Engineer and presented to the Engineering Committee.
Develop staff succession plan	December 31, 2016	Included organizational and workforce planning in strategic planning process.

Project		
Recycled water evaluation	July 26, 2016	Draft conceptual evaluation prepared by GM in 2015. Consultant peer review completed. Present to Engineering Committee in November.
Solar energy evaluation	August 31, 2016	Request sent to solar vendors for evaluation of solar energy potential and cost for the District.
Main office building master plan	December 31, 2016	List of architectural consultants, including local firms, prepared. Discussed with the Engineering Committee.

General Manager Activities

October General Manager Meetings:

- October 5th Attended rate setting workshop
- October 7th Strategic planning leadership team workshop
- October 12th FMWD Managers meeting
- October 19th Strategic planning leadership team workshop
- October 20th La Crescenta Town Council presentation

October General Manager Activities:

- Revenue/expense monitoring and reporting
- Recycled water conceptual evaluation
- Strategic planning
- Review of investments

Staffing

This month there are three employment anniversaries: Stephen Korejwo, IT Technician – 3 years; Alex Sandoval, Utility Worker II – 17 years; and Ron Mitchell – 23 years.

As of October 28th, the District has worked 872 days without a lost time accident.

Prepared & Submitted by:



Thomas A. Love, P.E.
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

November 1, 2016
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

- October 1 – 31 – Water production – 44%/56% split – 113.6 MG for the time period.
Average use – 13.1% more than 2015 and 11.8% less than 5-yr average

2. Rainfall Update

- 0.48" for October 2016
- Rainfall total for Rainfall Year 2016/17 – 0.48"

3. Report on Engineering

- **CIP Projects**

- o Ocean View Chloramination Project
 - Inspection – Met with DDW on inspection and finalizing project
- o Pipeline Projects
 - 4200 - 4300 Blocks of Pennsylvania (Mills Pumphouse)
 - Design 90% complete; potholing utility crossings
 - Working with Glendale, Public Works Department on Pennsylvania Ave. paving project to start in Summer 2016
- o Pickens Canyon Pipeline Replacement and Slope Repair
 - See Staff Report
- o Paschall Booster Station MCC and Piping Upgrades
 - Staff working on Request for Proposal
- o Oak Creek Reservoir Rehabilitation
 - See Staff Report
- o Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir
 - Pre-Construction meeting on November 2, 2016

- **Nitrate Removal Treatment Facility at Well 2 Project**

- CVWD reviewing 50% technical memorandum
- Working on permit requirements from Glendale

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

- Final Report – Submitted to DWR
- Task Force Meeting – Tentatively set for November 9, 2016

- **ULARA**

- Administrative Committee meeting on November 3, 2016

- **Water Meter Replacement Program**

- Field crews replacing water meters in Zones 10 & 11. Replaced 30 meters to date

4. Report on Administrative and Field Operations

- **Wells - Status**

- Well production capacity down - averaging 1.6 MGD for October 2016. Well 10 still out of service due to low water production.

- Well 16 – Best Pump Company replaced the two leaky column pipe joints as part of the warrantee. Well 16 should be back in service by November 1, 2016.

5. **Field Maintenance & Operations –October 17 – October 31, 2016**

- **Water Lateral Leaks & Repairs**

5144 La Crescenta 3916 Pennsylvania 5368 Freeman 2310 Del Mar

- **Fire Hydrant Repair**

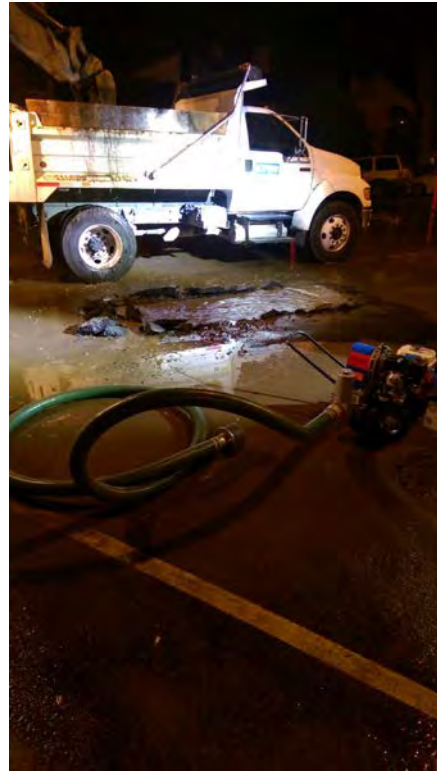
- No Report

- **Developer Job**

- No Report

- **Water Main Leaks**

- 10-inch water main on the north side of the 3100 Block of Montrose Ave – 10/26/16 at 3:30 am



- **Booster Pump Maintenance**

- Oak Creek Booster B - Waiting on New Motor – Early November 2016

- **Reservoir Maintenance**

- No Report

- **Sewer Maintenance**

2200 Block of Barton Ln	2200 Luana Ln	2100 - 2300 Blocks of Waltonia	2200 Block of Crescent
2100 Block of La Canada Plaza	4400 Block of Rockland	2100 Block of Rockridge	4100 Block of Walton Oaks
1900 Block of Las Palmas	1700 & 1800 Blocks of Broadview	4300 – 3600 Blocks of Ocean View	2400 Block of Honolulu

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

October 1 - October 31, 2016

Well Production:	37,449,933	Gals		
GWP Production:	11,786,508	Gals		
Gravity Production:	1,293,000	Gals	% GW	44%
Purchased Water:				
FMWD:	63,027,313	Gals		
City of Glendale:	0	Gals	% Import	56%
TOTAL:	113,556,754	Gals		
	348.47	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	5,531,564		*Included in Well Production	

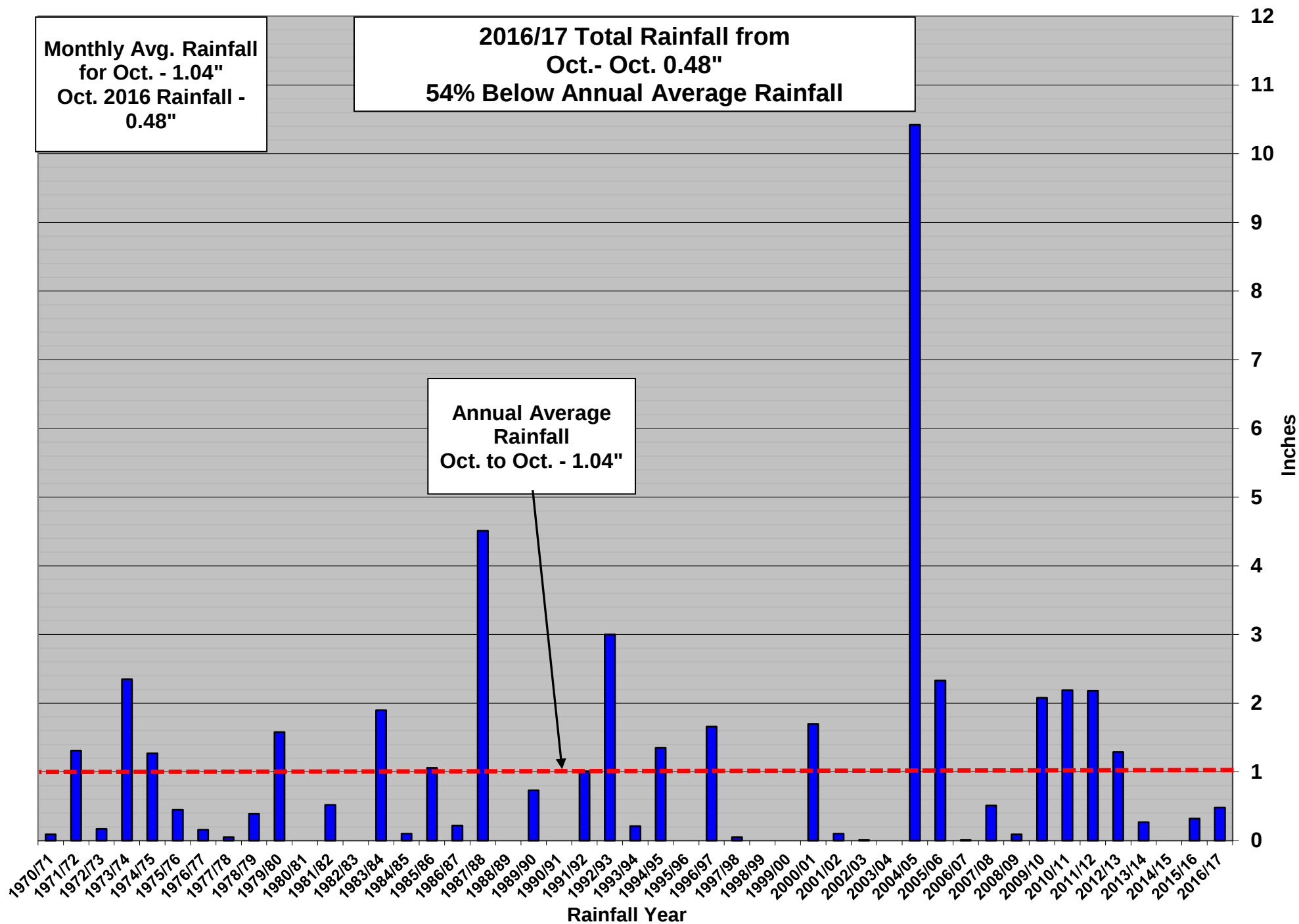
WATER DEMAND COMPARISON

			Average Daily Usage (gals)		Current Period Change			
October 1, 2016 - October 31, 2016			3,663,121					
October 1, 2015 - October 31, 2015			3,238,392		13.1%			
5-yr Average - October 2011 - 2015			4,151,828		-11.8%			
RAINFALL: October 1 - October 31, 2016					0.48"			
Season-To-Date:					0.48"			
2016/17 Fiscal Year Water Production			Groundwater Production Water Rights		GWP (Well 16) Water Production		Purchased Water Production Tier 2 Allocation	
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	379	315	October	119	January	0	January	109
August	383	345	November		February	0	February	100
September	364	325	December		March	30	March	78
October	348	315	January		April	50	April	84
November		290	February		May	47	May	134
December		250	March		June	42	June	153
January		260	April		July	13	July	218
February		285	May		August	39	August	211
March		330	June		September	36	September	205
April		325	July		October	36	October	193
May		325	August		November		November	
June		335	September		December		December	
Total to Date	1,474	1,300	Total to Date	119	Total to Date	294	Total to Date	1,486
Projected	3,874	3,700	Water Rights	3,294			Tier 2	2,154
% of Projected	39.8%	35.1%	% of Rights	4%			% of Allocation	69%
Remaining	2,226	2,400	Remaining	3,175			Remaining	668

NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Rainfall - 1970/71 - 2016/17 (Oct.- Oct.)



CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

November 1, 2016
Staff Report

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

Required Monitoring Report Submitted to State

In May 2016, the State Water Board (State) adopted an emergency water conservation regulation for self-certification that replaced the State's February mandatory conservation emergency regulation. The self-certification required water agencies to ensure a three-year supply given that the next three years would be at the same rainfall as 2012-2015 (Stress Test).

The District submitted the required "Stress Test" analysis and was approved for self-certification with a "0%" conservation target. While the District's water reduction target changed from 18% to 0%, reporting of water usage data is still required. Water usage reported to the State from June 2015 through September 2016 exhibits an overall water-use reduction of 24%.

The May 2016 regulation that allows the District a 0% conservation target will expire in January 2017. The State will be adopting a permanent regulation in compliance with Governor Brown's Executive Order B-37-16. There has been some talk that the State will return to mandatory water reduction requirements. Final regulations are expected to be detailed in December. Staff will be following this item.

The District is currently in Yellow Alert (3-days per week watering)

Event Calendar:

FMWD – CA Friendly Landscape Class – November 12th – 9:00 a.m. – 12:00 p.m.

Descanso Gardens – Planting Native Plants and Horticultural Demonstration – November 15th – 10:00 a.m.

CVWD/GWP – CA Friendly Landscape Class – November 19th - 9:00 a.m. – 12:00 p.m.

FMWD – CA Friendly Landscape Class – December 17th – 9:00 a.m. – 12:00 p.m.

Christmas Tree Lighting Ceremony, Montrose Shopping Park – November 25th, (Generator)

Montrose Christmas Parade – December 3rd, (Generator)

(The District participates in events in **BOLD**)

CRESCENTA VALLEY WATER DISTRICT

POLICY COMMITTEE MINUTES

DATE: March 27, 2016

Following is a summary of the Policy Committee Meeting held at 8:30 a.m. on October 27, 2016, at the CVWD main office, and was attended by the following:

Director Michael Claessens - Committee Member	CVWD Board of Directors
Ron Mitchell	CVWD
Christy Scott	CVWD
Thomas Love	CVWD

Consideration of rate structure adjustments for large lots- Discussion and consideration of a policy to provide for water rate adjustments for large lots. Mr. Love provided information on alternatives to address customer concerns about high water bills for large lot owners. A list of arguments for and against budget based rate structures was discussed.

The committee provided staff with direction to research additional information including communications with other water districts which have implemented budget based rates to validate the claimed benefits. The committee requested this information be presented to and discussed by the Policy Committee at a future meeting.

CRESCENTA VALLEY WATER DISTRICT

EMERGENCY PLANNING COMMITTEE MINUTES

DATE: October 27, 2016
TO: Emergency Planning Committee Meeting Minutes
FROM: Christy Scott

Following is a summary of the Emergency Planning Committee Meeting held at 7:30 a.m. on October 27, 2016, at the CVWD main office, and was attended by the following:

Director Mike Claessens - Committee Chairperson	CVWD Board of Director
Director James Bodnar - Committee Member	CVWD Board of Director
Ron Mitchell	CVWD
Thomas Love	CVWD
Christy Scott	CVWD
Natalie Bellissimo	CVWD

Action Calendar: Update of the status of the Emergency Response Plan

Staff reviewed the information provided in the packet, explaining that the District does have an ERP and that the District submits the updates to the State Water Resources Control Board, Division of Drinking Water (State) annually as required. Updates are only to basic information such as staff and vendor contact information. As the State has come out with new requirements, Staff is currently in the process of reviewing the entire document with an anticipated completion by the end of February 2017.

The list below are items from the discussion in which Staff will be gathering additional information for presentation to this committee at a later date.

1. Mobile water fill stations for the public (Possibly at Rosemont Reservoir)
2. Water District Resiliency
 - a. Detailed Scenarios Plans
 - b. Expected Outcomes for Disaster Events
 - c. System Redundancy
3. Formalized Mutual Aid Agreements
4. Scheduled Training
 - a. Desktop Training
 - b. Simulated Event Training with other agencies
5. Communications
 - a. Utilizing the community
 - b. Mobilizing employees
 - c. Radios
6. Emergency Preparation Coordinator

The meeting was adjourned at 7:55 a.m.