

CRESCENTA VALLEY WATER DISTRICT

**2700 Foothill Boulevard
La Crescenta, California**

**Agenda for the
Adjourned Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on October 8, 2013 at 7:00 p.m.**

Posted: October 4, 2013 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 22, 2013.

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. **Replacement of Motor Control Center at Oak Creek Reservoir, Project E-931**
Consideration and motion to authorize the General Manager to enter into an agreement with Cannon Corporation to provide professional engineering services for the replacement of the motor control center at Oak Creek Reservoir for a cost not-to-exceed \$52,265.
2. **8-Inch Water Main Replacement on the 3000 & 3100 Blocks of Paraiso Way - Project E-921** – Consideration and motion to award a contract to the lowest responsible bidder, GRFCO, Inc. for the construction of 2,650 lineal feet of pipeline replacement on the 3000 & 3100 blocks of Paraiso Way, 4900 block of Ramsdell Ave., Cloud Ave. from Paraiso Way to Orange Ave. and the 4900 block of Ramsdell Ave. at a cost of \$431,508 and establish a contingency amount of \$43,000 (10% of contract) to cover the cost of unforeseen or additional work.

Information Items

Written Communications to District

Staff Reports

Secretary-Treasurer

1. Cash and Investments –October 8, 2013.

General Manager

1. Administrative Report.

District Engineer

1. Water Production Report –October 2013.
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/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.

Board Members' Request for Future Agenda Items

Closed Session

- **Conference with Legal Counsel – Existing Litigation (§54956.9)(d)(1)**
 - Crescenta Valley Water District vs. Exxon Mobil et al.

Adjournment

**CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS**

October 22, 2013

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of October 8, 2013, an Adjourned Regular Meeting was held on October 22, 2013, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President James D. Bodnar presiding.

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

Directors:	James D. Bodnar Kerry D. Erickson Kenneth R. Putnam Kathleen M. Ross Judy L. Tejeda
Attorney:	Thomas S. Bunn
General Manager:	Dennis Erdman
Secretary-Treasurer:	Ron L. Mitchell
District Engineer:	David S. Gould
Others Present:	Mark Hass, IT Manager Wendy Holloway, Customer Accounts Supervisor Larry Byers, Superintendent Raymond Dodge, Electrical/Telemetry Technician

PLEDGE OF ALLEGIANCE

President Bodnar opened the meeting by asking Director Ross to lead the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Ross, seconded by Director Tejeda and carried by a 5-0 vote that the Agenda for the Adjourned Regular Meeting of October 22, 2013 be adopted as presented.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Mr. Erdman reported that he attended the FMWD Board Meeting on October 21, 2013 and said that Director Matthews was elected to the ACWA Region 8 Board. In the discussion for the action items, Action Item 1 was regarding the emergency generator replacement contract with Krieger & Stewart and to amend the contract from \$67,000 to \$245,000. No action was taken for approval until additional information is received and the board authorized the General Manager to continue with the existing contract that has not yet been fully expended. On Action Item 2, there was discussion on retaining bond counsel for long term financing and the proposal is to hire a law firm from

Orange County for some legal work on future bond issuance or commercial letter or credit at a cost of \$30,000. The Board referred this item to the Finance Committee.

CONSENT CALENDAR

It was moved by Director Ross, seconded by Director Tejeda and carried by a 5-0 vote to approve the Consent Calendar which consisted of the following items:

Minutes of the Regular Board Meeting held on October 8, 2013.

Payment of demands against the Crescenta Valley Water District on or before September 30, 2013 the same having been approved by the General Manager, Dennis A. Erdman, and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of Nine Hundred Fourteen Thousand Three Hundred Fifty Dollars and Ninety Three cents. (914,350.93), which is composed of the individual items set forth herein.

ACTION CALENDAR

Slurry Seal Paving on the 3100 Block of Santa Carlotta – Project E-911 – Mr. Gould provided the Board and staff a report that outlined the history of the pipeline replacement project on the 3100 block of Santa Carlotta that included a recap of the costs associated with the repaving of the street and the level of participation by the residents toward the project. It also detailed the complaints from the residents over cracks, tire marks, overlap on driveways and what staff has done to rectify these issues. Mr. Gould reminded the Board that at the October 8th Board meeting two residents, Mr. Chris Barnes and Mr. Paul Mitchell voiced their concerns about the project. Staff took their information and indicated to the Board that they would check into this further and report back to the Board with possible solutions. Mr. Steve Jensen called and requested this is put on the agenda for further discussion from him and other residents. Mr. Jensen provided pictures and slurry seal samples from the street and told the Board that he was present when the job started. His concern was that the General Manager signed a contract with GM Sager Construction, but that Wheeler Paving did the work. He thought that Wheeler Paving applied the slurry seal incorrectly and that they did a shady job and he and other neighbors would like to know what the District is going to do to resolve this issue. After further discussion with the Board, staff was instructed to get a third party evaluation of the work that was done and bring their findings back to a future Board Meeting.

LAFCO Special District Alternate Representative Nomination – Director Bodnar said that he is interested in serving on LAFCO and asked the Board to consider nominating him for the LAFCO Special District Alternate Representative. He feels the specific issue that is important to the District is the relationship between the District and the City of Glendale.

Following discussion:

It was moved by Director Ross, seconded by Director Tejeda and carried by a 5-0 vote to nominate President Bodnar for LAFCO Special District Alternate Representative.

INFORMATION ITEMS – Glendale Newspress: Complaints and relief at CVWD meeting. Glendale Newspress: CVWD & CVTC Prepare for Elections. MWD News Release: Despite

drought, MWD will meet 2014 water demands. LA Times: Another dry year could be bad news for California. MWD: State water officials predict dry year ahead for Southern California. South Pasadena Patch: Recent dry weather could possible lead to a water shortage.

WRITTEN COMMUNICATIONS TO DISTRICT – Arroyo & Foothills Conservancy sent a letter expressing gratitude to CVWD for the support to the Rosemont Preserve and agreeing to install a water meter and access to water for use at the property.

REPORTS OF PERSONNEL

SECRETARY-TREASURER – Mr. Mitchell provided the Summary of Cash and Investment report which contained the following items:

Investment Portfolio Summary – as of October 22, 2013:

Cash Accounts	\$828,510
Great Pacific Securities	\$39,772
Bond Debt Service Fund Acct	\$258,194
Local Agency Investment Fund	\$1,739,322
Federal Farm Credit (78)	\$481,305
Federal Farm Credit (81)	\$927,270
Federal Farm Credit (83)	\$491,760
Federal Farm Credit (86)	\$925,110
Federal Farm Credit (87)	\$490,065
US Treasury (92)	\$926,640
US Treasury (93)	\$926,640
Federal Farm Credit (94)	\$892,820
Federal Farm Credit (95)	\$549,234

Fund Balances at June 30, 2013

Water	\$5,677,245.28
Wastewater	\$3,944,953.78
MTBE Contingency Fund	\$2,818,567.00

Mr. Mitchell reported that the November 5th elections will be the same day as the next Board meeting. Also, that the Crescenta Valley Community Association is holding a candidates forum on October 24, 2013, at the Crescenta Valley Library. At 7:00 p.m. they are having the candidates for CVTC and the CVWD candidates will be at 8:00 p.m. Mr. Mitchell presented copies of the MOU for the Board per their request at the last meeting. He also asked the Board about providing personal information to customers.

GENERAL MANAGER – Mr. Erdman reminded the Board that he sent his report to them earlier in the week.

DISTRICIT ENGINEER

Water Production – For the period of October 1 through October 20, 2013, water production averaged 92.1 million gallons per day, which is **1.2% more** than the daily average production of

the same period in 2012. This is **4.1% more** from the daily average production of the previous five years.

Rainfall: October 2013	0.21"
Season-to-date:	0.21"

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

Rainfall Update – 0.21" for October 2013. Rainfall total for 2013-14 is at 0.21".

Report on Engineering:

CIP Projects – Pipeline – 3000 & 3100 Block of Paraiso Way – Bid opening, October 30, 2013. Community meeting, November 13, 2013. Start in January 2014. Ocean View Chlorination Project – meeting with CDPH on October 23, 2013. SCADA upgrades – Phase 1B – 95% complete. Oak Creek MCC Project – proposals due October 29, 2013. Well 1 rehabilitation – starting October 23, 2013. Ordunio – Wall – Under design.

Local Groundwater Assistance Grant Application – Working on meeting with LA County on location and installation of runoff gage in the Verdugo wash.

Glendale – GWP & CVWD - Grant Hoag finalizing Cost Analysis Study.

FMWD Issues – No report.

ULARA – AC Committee met on October 9, 2013. Salt & Nutrient Management Plan met on October 15, 2013. Public Workshop – November 19, 2013.

AT&T – Oak Creek – New location – Southwest corner of Oak Creek property. LA County request to dedicate 30 ft wide road on Cloud Avenue to LA County.

Water Meter Replacement Program: Started FY 13/14 Water Meter Replacement Program – replaced 210 meter to date.

Report on Administrative and Field Operations:

Well Status – Current well capacity – October 1 – October 20; - 2.36 MGD. Well 12 out of service since September 9, 2013.

Booster Pumps – No Report.

Glenwood Nitrate Plant – No Report.

Water Quality – No Report.

Mills Plant – No Report.

Reservoirs/Booster Stations – Pickens Canyon, Edmund #1 & #2 Reservoirs – Cleaned & Inspected. Edmund #1 – Underside of roof shows water damage, needs to be higher priority.

MTBE Update – MTBE levels in Wells below 1ppb

Field Maintenance and Operations update for Oct 1 – Oct 20, 2013

Water lateral leaks & repairs

- 2640 Honolulu – Meter & Fire Service

- 4639 & 4641 Ramsdell
- 5839 Edmund
- 2408 Prospect
- 2229 Canalda
- 2106 Earnslow
- 2706 Honolulu – 3” meter
- 3125 Montrose

Water Main Leaks – No Report.

Fire Hydrant Replacement – No Report.

Developer Projects – No Report

Valve Replacement – No Report.

General Maintenance – Valve Exercising Program to start in October 2013.

SCADA/Telemetry System – No Report.

Sewer Maintenance – Sewer Cleaning – Edmund, Manzanita & Maurice.

WATER CONSERVATION – No Report

INFORMATION TECHNOLOGY – Mr. Hass and Mr. Dodge made a presentation to demonstrate the updates that have been completed in the SCADA and telemetry area of the District’s Water Distribution system. Features such as the auto call out system, remote access to the District’s numerous sites, and the ability to control the District’s physical assets were demonstrated. Mr. Hass and Mr. Dodge discussed the benefits of having instant access and control to the District’s critical systems.

ATTORNEY – No Report

REPORTS OF COMMITTEES

Engineering Committee – Director Bodnar reported that the Committee will meet on November 8, 2013 at 3:30 p.m.

Finance Committee – Director Ross reported that the Committee met on October 22, 2013 and discussed the District’s policy on the use of MTBE funds and creation of a MTBE Reserve Fund.

Employee Relations Committee – Director Erickson reported that the Committee is working with staff to arrange a meeting in the near future.

Policy Committee – Director Tejada requested a Workshop on November 12, 2013 at 6:30 p.m. with the entire Board of Directors to discuss the MTBE Settlement policy.

Community Relations/Water Conservation Committee – Director Ross 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 Ross reported that she received an email from Mr. Chonos regarding the large lot issue. She suggested that this should be revisited next year or assigned to a committee after the elections. She also reported that her daughter is focusing on water issues along with studies to become a Civil Engineer at the University of Portland.

Director Erickson reported that he no longer works and is officially retired. He attended the CVTC Candidates forum on October 17th and would have liked to have more time to speak. He requested staff to check into the wireless communication and cost to the District. Also would like to have staff check into solar power again.

Director Bodnar reported that he attended the LAFCO meeting on October 19th and that he was out campaigning on October 13th when he was approached by a customer regarding a leak and Mr. Bodnar reported this to staff that had the leak fixed immediately. He also said that he was at the CVTC candidate's forum on October 11th and will be at the Crescenta Valley Community Association candidate's forum on October 24th.

Director Tejada reported that she attended the Greater Los Angeles Water Summit on October 16-17, 2013 in Long Beach. The discussions were on challenges with public agencies to be more innovative on how to manage issues, the Bay Delta Bond issue, and agencies to work as a group on getting projects funded and completed. Also there was discussion on water infrastructure issues.

Director Putnam – No Report

CLOSED SESSION

No reportable Action

ADJOURNMENT

There being no other business to come before the Board, at 9:30 p.m., it was moved by Director Tejada, seconded by Director Erickson that the meeting be adjourned to November 5, 2013 at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: Discussion to award a contract for professional engineering services for the Motor Control Center at Oak Creek Reservoir, Project E-931

Action Item No. 1
November 5, 2013

ACTION ITEM:

1. **Replacement of Motor Control Center at Oak Creek Reservoir, Project E-931** – Consideration and motion to authorize the General Manager to enter into an agreement with Cannon Corporation to provide professional engineering services for the replacement of the motor control center at Oak Creek Reservoir for a cost not-to-exceed \$52,265.

BACKGROUND:

Crescenta Valley Water District (CVWD) is planning to replace the existing electrical motor control center (MCC) located at CVWD's Oak Creek Reservoir site at the north end of the intersection of Cloud Avenue and Brookhill Street as part of the FY 14/15 CIP Program. The MCC was originally constructed in 1980 and the District is going to replace the MCC unit with updated electrical equipment for the booster pump system at Oak Creek Reservoir.

It has been staff's experience from previous projects that the design process including coordination with SCE takes about 6 – 7 months before contract drawings are ready for bidding. The bidding process takes about 2 months to complete. The shop drawing review, ordering, and receiving of the MCC equipment could be between 5 – 7 months before the equipment is on site. Therefore, staff's plan is to design and bid a MCC project in one fiscal year and construct the project in the following fiscal year.

Staff received approval from the Board of Directors at the September 17, 2013 board meeting to proceed with sending out a request for proposal (RFP) to electrical engineering consulting firms to prepare the construction drawings and technical specifications for the MCC replacement at Oak Creek Reservoir.

DISCUSSION:

On September 18, 2013, CVWD sent a Request for Proposal (RFP) for professional consulting services to five (5) engineering firms: Cannon, Civiltec Engineering, Dudek, Hazen and Sawyer, and Tetra Tech.

A pre-proposal meeting was held on October 17, 2013 and was attended by Cannon, Civiltec Engineering, Hazen and Sawyer, and Tetra Tech. The scope of work and the project limits were discussed at that meeting.

Staff was contacted by Dudek, who said that due to their current workload and time frame, they will not be providing a proposal.

On October 29, 2013, the District received proposals from the following firms

<u>Consultant</u>	<u>Proposal Cost</u>
Cannon	\$52,265
Civiltec Engineering	\$55,500
Hazen and Sawyer	\$64,000
Tetra Tech	\$73,940

RECOMMENDATION:

Staff reviewed each proposal and rated them based on understanding the project, scope of work, consultant fee, project experience, project team qualifications, and project schedule.

As shown on the attached ranking chart, it is staff's recommendation to award a professional consulting service contract to Cannon for the design of the replacement of the motor control center at Oak Creek Reservoir.

Staff had worked with Cannon on the design of the motor control center at Eagle Canyon Reservoir and is familiar with their project team. Cannon has a good understanding of the projects and the needs of the District.

ENVIRONMENTAL REVIEW:

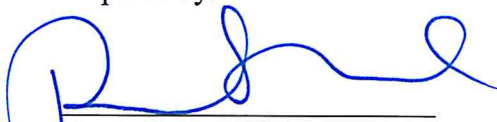
N/A

FUNDING AVAILABILITY:

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

Account Description	Account Number	Amount
Water CIP– Water Distribution – MCC Replacement		\$75,000
Estimate for Design Services		<\$52,265>
Amount Remaining	Total	\$22,735

Prepared by:


David S. Gould, P.E.
District Engineer

Submitted by:


Dennis Erdman
General Manager

Attachment:

1. Attachment A – Ranking Chart

Crescenta Valley Water District

Replacement of Motor Control Center at Oak Creek Reservoir, Project E-931

Consultant Ranking

Ranking	Weighted Percent	Cannon		Civiltac Engineering		Hazen and Sawyer		Tetra Tech	
		Score	Weighted Score	Score	Weighted Score	Score	Weighted Score	Score	Weighted Score
Project Concept/ Understanding	25%	5.0	1.25	5.0	1.25	5.0	1.25	5.0	1.25
Scope of Work	35%	4.5	1.58	4.5	1.58	4.5	1.58	4.5	1.58
Consultant's Fee	15%	5.0	0.75	4.5	0.68	4.0	0.60	3.5	0.53
Project Experience	10%	5.0	0.50	4.5	0.45	4.5	0.45	4.5	0.45
Project Team Qualifications	10%	5.0	0.50	4.0	0.40	4.5	0.45	4.5	0.45
Project Schedule	5%	4.0	0.20	4.0	0.20	4.0	0.20	4.0	0.20
Final Weighted Score	100%	1 st	4.78	2 nd	4.55	3 rd	4.53	4 th	4.45
Proposal Cost			\$52,265		\$55,500		\$64,000		\$73,940

Each consultant's proposal rated 1 - 5 (5 outstanding - 3 average - 1 unsatisfactory) on each category above. Each rating is multiplied by the weighted average for each category and totaled for the final weighted score.

Categories:

Project Concept/ Understanding - How well the consultant's proposal addressed the needs of the District as outlined in the request for proposal

Scope of Work - How well the consultant showed how its firm would complete the requested tasks

Consultants Fee - How well the consultant's proposal utilized their staff and the costs associated with the proposal

Project Experience - How much previous experience has the consultant on projects similar to this project

Project Team Qualifications - How did the consultant's proposal use its staff and the experience of the individual people involved

Project Schedule - How well did the consultant's proposal address the schedule and completion of the project

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
November 05, 2013

To: Honorable President and Members of the Board of Directors

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

Subject: **8-Inch Water Main Replacement on the 3000 & 3100 blocks of Paraiso Way, Cloud Ave. from Paraiso Way to Orange Ave. and 10-Inch Water Main on the 4900 block of Ramsdell Ave. – Award of Contract, Project E-921**

ACTION ITEM:

1. **8-Inch Water Main Replacement on the 3000 & 3100 Blocks of Paraiso Way - Project E-921** – Consideration and motion to award a contract to the lowest responsible bidder, GRFCO, Inc. for the construction of 2,650 lineal feet of pipeline replacement on the 3000 & 3100 blocks of Paraiso Way, 4900 block of Ramsdell Ave., Cloud Ave. from Paraiso Way to Orange Ave. and the 4900 block of Ramsdell Ave. at a cost of \$431,508 and establish a contingency amount of \$43,000 (10% of contract) to cover the cost of unforeseen or additional work.

DISCUSSION:

On September 3, 2013, the Board authorized the General Manager to advertise for bids for replacement of the existing water main on the 3000 & 3100 blocks of Paraiso Way, Cloud Ave. from Paraiso Way to Orange Ave., and 4900 Block of Ramsdell Ave.

A mandatory pre-bid meeting was held on October 15th, which was attended by five (5) contractors. CVWD specifications indicate that only contractors who attend this meeting are allowed to bid on the project.

On October 30, 2013, at 2:00 PM, the District opened and read the following bid proposals for this project:

	<u>Bidder</u>	<u>Total Bid Amount</u>
Low	GRFCO, Inc	\$431,508.00
2	Brkich Construction	\$446,644.00
3	J. A. Salazar Construction	\$477,000.00
4	J. De Sigio Construction	\$501,466.25
5	E & R Construction	\$533,551.00

GRFCO, Inc. of Moreno Valley was the apparent lowest responsible bidder for the project. The engineer's estimate was \$505,000 and the low bid was 14.6% lower than the engineer's estimate. Staff has not worked with GRFCO on any previous projects. GRFCO provided a list of references and staff contacted the City of Fullerton, County of San Diego, Los Angeles County Sanitation District and the City of Santa Fe Springs for verification. All references expressed a high level of satisfaction with jobs recently completed and would work with GRFCO again.

RECOMMENDATION:

It is staff's recommendation to award the contract for the subject project to the lowest responsible bidder, GRFCO, Inc at a cost of \$431,508.

A pre-construction meeting will be set as soon as the contract is awarded, the agreement is signed, and insurance documents have been delivered. We anticipate construction beginning early January 2014 and concluding by early April 2014. Ms. Christina Olmedo will be the project manager and Mr. Cory Whitman will be the field inspector.

Staff will be holding a Community meeting on November 13, 2013 to discuss the project and the construction schedule to minimize any inconvenience to the residents. In addition, staff will be sending out letters to residents informing them of the upcoming construction, posting a description of the project and a construction schedule on CVWD's website and sending out a press release to the local newspaper about the upcoming project.

Environmental Review:

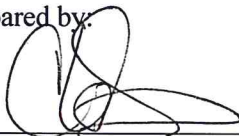
The Board had previously found this project to be exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301 of the CEQA Guidelines. This exemption covers the repair of existing facilities involving negligible or no expansion of existing use.

Funding Availability:

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

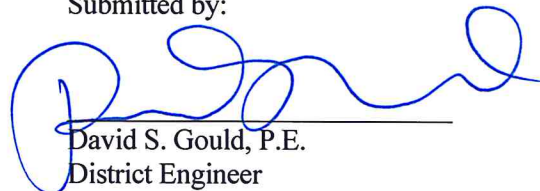
Account Description	Amount
FY 13/14 Water CIP– Water Distribution – Pipeline Replacement	\$625,000
Contractor Cost	<\$431,508>
Unforeseen or additional work	<43,000>
Additional costs such as material purchase by CVWD, soils engineer, engineering & inspection labor costs & contingency	<\$120,000>
Total Cost	<\$594,508>
Amount Remaining in Water CIP – Distribution System – Pipeline Replacement	\$30,492

Prepared by:



Christina Olmedo
Assistant Engineer

Submitted by:



David S. Gould, P.E.
District Engineer

Attachments:

1. Bid Summary

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CV WEEKLY 10/31/13

INFO ITEM

Crescenta Valley Water District Candidates

Three questions were posed to the four candidates.

1. What is your view of Crescenta Valley Water District building new infrastructure (for example new pipelines and water meters)? And how important is building that new infrastructure even at the risk of raising rates?
2. CVWD imports the majority of its water from Metropolitan Water District. Do you feel CVWD could use more of the local well water?
3. In the past, CVWD board has offered long term solutions for reducing water rates, including recycling and using more well water, however do you have a feasible plan that could reduce water rates more immediately?

Here are their responses in alphabetical order:

Charles Beatty

1. I believe that the district has to be maintained in order to function efficiently.

If you put off today's problems, as in your own real life, you pay for it two fold to solve it later, if indeed it can be solved.

As I just stated, it is very important to do the necessary maintenance. However, the district does not have to raise rates to do so. It can float municipal bonds to pay for the work needed. However, that is after you have exhausted all other ways to pay. Some suggestions are to divert money made by using solar power for electrical use as well as savings from purchasing Glendale water rather than "imported water" from Foothill Municipal Water District, the wholesaler.

2. Actually, CVWD does not import the majority of its water. It uses its own water from the aquifer which is approximately 75% as adjudicated by the courts and water master.

We can save a good deal of money by buying Glendale's excess water via the Rock Haven well. It is located within three thousand yards of CVWD's processing facilities. All that is needed is to have a working agreement with Glendale regarding the purchase price. I have spoken to Mayor Dave Weaver regarding the Rock Haven well and he feels it is feasible. CVWD purchases water from Foothill Municipal Water District and in turn FMWD purchases their water from Metropolitan Water District. Both these districts are wholesalers of water and CVWD is a retailer of water.

3. The biggest component in water production and distribution is electricity. The district needs to implement solar energy on all its reservoirs. They don't need to set up a committee to study the program; all that the Board needs to do is to direct the general manager with the authority to explore the website of the Association of California Water Agencies (ACWA) to get the names of other agencies in the state that are now using solar power to save money for their districts and contact them as to how they proceeded to go solar. The California Dept. of Energy has a similar website for water agencies showing them which companies are the most successful in helping

water agencies finance at the lowest rate possible and often [offer] assistance with financial aid to the district. I have always believed that after initial study of a problem, “those that can do and those that can’t set up committees and discuss the problem in ad infinitum.”

Please contact my website

PutBeattyOnBoard.com for links to ACWA and other information. Please vote for me Nov. 5.

James Bodnar, incumbent

1. For CVWD to reliably deliver high quality water to its customers the district must continue to replace the old water pipelines that are in need of repair. The water district must also maintain the groundwater wells, nitrate treatment plant, storage tanks, booster pumps, generators, chlorination stations, and so on. The community depends upon this infrastructure.

The meter replacement program is important for two reasons. First, the new meters more accurately measure the water delivered to customers making our billing more equitable. Second, the new meters will eventually provide additional flexibility so that the district will be able to detect leaks early and read meters remotely. Detecting leaks early will help reduce customer bills and waste. Remote readings will also save staff time so that they can perform other necessary work.

There are no easy solutions to managing water rates. The water district must collect sufficient revenue to operate and those costs must be passed on to the customers. The district can cut corners and delay infrastructure improvements to the point that the system fails, but for me, that’s not an option. The district can also “kick the can down the road” and finance annual capital projects, but that places future generations holding the bill. Also, there is only so much the water district can borrow. And borrowing is not free. Effectively, the district pays two dollars over the life of the loan for every dollar it borrows. Those dollars come from customers and are collected through higher water rates at some point.

My vision for the water district is to maintain the water system to reliably deliver high quality water to its customers. As your director I will work to ensure that staff has the resources to get the job done, while keeping the water costs as low as possible.

2. Crescenta Valley Water District (CVWD) receives water from two sources: local groundwater and imported water. Local water makes up around 65% of our community’s supply with around 35% imported. Because local water is less expensive than imported water, I would encourage its use. To achieve this, I support the rehabilitation of our wells to maximize local production. However, there are water right limits on how much water can be produced each year. CVWD only has water rights of up to 3,294 acre-feet under the current adjudication. There is the potential to use unused water rights of the City of Glendale.

I would like to work with the City of Glendale to create a win-win solution. Glendale recently drilled the Rockhaven well, but does not currently have the treatment capability to remove the nitrates. CVWD has the existing treatment capacity to remove the nitrates, but not the production capacity to produce the extra water. I will encourage district staff to work cooperatively with the City of Glendale so that both parties benefit resulting in lower customer costs.

Water recycling and storm water capture are two other options. The district has looked at water recycling, but it was much more expensive than imported water. Also, there is only so much recycled water demand in the basin and recharging recycled water is currently not allowed under the adjudication. I do not support direct potable use (drinking treated wastewater) for our community when we have other cost effective options. The district is also investigating storm water capture using a California grant. Storm water capture will be difficult because there is limited space and underground infiltration galleries are expensive. However, both water recycling and storm water capture should be regularly evaluated, even though they are not often cost effective without obtaining considerable grants or subsidies.

3. I would be very skeptical of any candidate who proposes a plan to reduce water rates immediately and at sustainable levels. I think the best anyone can do is to manage rate increases. As costs increase those expenses must be passed onto customers so the water district will remain solvent. I pay the same water rates as every customer. I want my rates as low as possible. But, I won't

sacrifice employee safety or customer reliability to save money. My plan is to manage rates sufficiently so that our community has reliable and high quality water.

I do think the current board of directors is on track with some good ideas to reduce costs and improve efficiency. The new meter replacement program will reduce customer water waste, more accurately bill customers, and reduce staff time in meter reading. The district entered into an agreement that pays the district to use less on-peak energy, an activity the district already does to avoid high electricity bills. Also, the district has rented out vacant properties that were purchased for future well sites. This not only saved the district because property values have increased substantially, but also generates revenue that far exceeds the interest the district would have earned from money in the bank. The district has also paid off a high interest loan to CalPers that reduces both the future liabilities and annual interest expenses.

To further reduce costs, I will encourage the district to continue to rehabilitate its groundwater wells and to work with the City of Glendale for mutual benefit. Maximizing local groundwater production is key to any long-term strategy to reduce the purchase of more costly imported water. Unfortunately, recycled water and improving storm water capture are not currently cost effective unless the district receives significant grants.

Kerry Erickson, incumbent

1. I would rather call it maintaining and replacing key components of the infrastructure. Pipes, pumps, reservoirs, control valves and meters wear out. Much the same as the maintenance required on a car. Change the oil, replace brakes, tires and battery. Letting the maintenance go too long before addressing [and] it will eventually catch up with you. Ever experience the frustration of a car failing to start because of a dead-battery or heard the scraping noise when applying the brakes?

The District loses water and of course revenue from leaking pipes and inaccurate meter readings. Water loss due to leakage amounts to about \$130,000 per year. And it is estimated the average household meter under-reports water usage by 10% at low-flow rates.

Replacing the vintage analog water meters with digital meters will also result in additional benefit. The manual reading of the meters will eventually be replaced by an automated system saving the District personnel and vehicle cost. Also individual households will be notified of a leakage far earlier, hours instead of weeks, thereby curtailing a costly high water usage bill.

Having the system always available in time of need is pretty much taken for granted. We are thankful that when the Station Fire followed by the flood hit our area we never lost CVWD services. But without performing some level of maintenance this may not [have] been the case.

With prudent management the District should be able to implement the basic needs without having to raise rates. Grant funding, full and matching, is available through federal and state agencies. In May 2013 the U.S. Bureau of Reclamation, through its Water Smart Program, awarded the Eastern Municipal Water District a \$217,000 matching grant to implement a Meter Data Management System and convert all of its existing meters to Automated Metering.

2. The Verdugo Basin provides the District with the majority of the water we use, over 65%. CVWD and Glendale share the pumping of the basin groundwater under an agreement established with the Upper Los Angeles River Area (ULARA) Watermaster in 1968. CVWD share is 3,294 acre-feet (1 af = 325,851 gallons). Pump problems and reduced water table levels in recent years have prevented the District from obtaining its adjudicated amount. We are presently rehabilitating the pumps and expect to be at full capability by spring 2014 at which point about 69% of our water will come from the wells. Under the agreement Glendale is entitled to 3,856 af but it also has been unable to pump its full adjudicated amount and it may be possible for CVWD to obtain additional pumping rights from Glendale.

The water from about half of the District wells is processed by the CVWD nitrate-processing facility to reduce the nitrate level. The water from the remaining wells is blended with water imported from the Foothill Municipal Water District /Metropolitan Water District to reduce the nitrate level to a state acceptable amount. By installing a pipeline and connecting these latter wells to the CVWD nitrate-processing facility, the District can reduce its dependency on the use of expensive imported FMWD water.

Water obtained from District wells costs about 1/3 of that obtained from FMWD.

3. The District has no control over what FMWD charges for water or Los Angeles for sewer treatment and inflation will continue to pressure the District towards raising rates. Issuing a new municipal bond will cost the customer over twice as much and will indebt the District for many years. Presently the District still owes \$14M for a 30-year \$10M bond issued in 2007.

My plan includes obtaining small grant funding to enable the District to make improvements where a capital savings can be realized. The automated metering and nitrate processing mention above are two examples.

Continuing to promote water conservation. Rebates are available for most products including water barrels, which I have. A barrel by itself may not seem like much, but putting two in every CVWD household can save two af of water per year.

Our employees are the best, but their compensation must be kept in line with the benefits found in other municipalities. Bargaining unit negotiations begin in the spring of 2014 and I am optimistic we can both reach an equitable agreement.

When job vacancies do occur, the District needs to seriously reexamine its staffing level versus job function. The District had the opportunity this past summer but chose to ignore my plea and motion.

The litigation on the MTBE pollution of the groundwater is ending and the District is in the process of determining how best to utilize the award. Since the MTBE remains in the ground it may at some point re-enter our wells and therefore funds must be set aside. But perhaps a small amount could be utilized to jump-start some activity that would lead to stabilizing or lowering rates.

Small things add up and the District needs to be more diligent of expenses. From pencils and construction contracts to consultant fees.

Ken Putnam, incumbent

1. Replacing worn out infrastructure is the number one program of the district. Because a major element of our expenses is purchasing needed imported water, the cost of which is increasing annually, the district is making a significant effort to hold other costs down.
2. CVWD, depending on the time of year, does purchase imported water. The amount of ground water that can be pumped is limited by a Superior Court adjudication. The District is working on a program to develop ways to utilize recycled water and storm water to increase its use of local water.
3. Because the purchase of imported water is a significant part of our expenses and costs are increasing annually over which we have no control, the district, the board and myself are working hard on holding other costs down so as to hold rate increases to a minimum.

INFO ITEM

glendalenewspress.com/news/tn-gnp-four-try-for-three-crescenta-valley-water-board-seats-20131030,0,4737608.story

Glendale News Press

Four try for three Crescenta Valley Water board seats

Bonds and rate increases are among issues facing water board.

By Brittany Levine, brittany.levine@latimes.com

5:28 PM PDT, October 30, 2013

Four people are vying for three open seats on the Crescenta Valley Water District board, the body that makes decisions about water rates for residents in the Los Angeles County region of La Crescenta as well as some Glendale and La Cañada Flintridge residents, in Tuesday's election.

Three of the candidates for the four-year-terms are incumbents James Bodnar, Kerry Erickson and Kenneth Putnam. There is one challenger — Charles Beatty, who ran unsuccessfully in 2011.

The Crescenta Valley Water District has implemented several significant water and sewer rate increases recently because of higher wastewater treatment costs charged by the Los Angeles Sanitation Department, and because of a plan to pay for improvements to the utility's aging infrastructure with cash, rather than incur debt.

The incumbents all favor the pay-as-you-go approach rather than taking on debt, while Beatty said he's pro-bonds.

"I do not like pay-as-you-go," Beatty said, adding that he would like to see the district explore purchasing solar panels with bonds to reduce the long-term energy costs of producing water.

Erickson, who was elected in 2009 and worked for 44 years in various positions at the Jet Propulsion Laboratory, said the utility is already paying off a \$10-million bond that will cost the district about \$18 million by 2037, the end of the bond's term.

"If we issue another bond on top of that, all we're doing is paying off bonds and not getting anything going forward," said Erickson, who voted against the most recent 6.9% water rate increase. He was in favor of a smaller increase.

Erickson said his main plan is to try to reduce operating expenses by trimming back employee benefits or freezing open positions.

Beatty said he opposes rate increases outright and would prefer the utility focus on cost savings or new revenue streams rather than upping rates.

However, Bodnar, who has served as the board's finance committee chairman and is board president, said he would be skeptical of any candidate who opposes rate hikes. He has voted for rate increases in the past, calling the hikes necessary to keep the district operating properly.

"If water district costs increase, water rates will increase," said Bodnar, who is a senior water resource engineer with the Metropolitan Water District of Southern California. "I pay the same water rates as every customer. I want my rates as low as possible. But I won't sacrifice employee safety or customer reliability to save money."

The district is using some of the revenue from the rate increases to repair pumps that are not efficiently collecting groundwater. The more groundwater the district collects, the less reliant it is on expensive imported water.

One of Bodnar's priorities is to review the water rate structure.

"In my opinion, customers that use less indoor water should not pay the same as a customer that uses a lot of indoor water," he said.

Putnam, who also voted for rate increases to repair the utility's infrastructure and respond to increasing costs, said one of his priorities will be to get the district pumping as much of its own water as it can to save money.

Putnam, who is a former civil engineer, and Bodnar both supported a new district program to replace old water meters that were malfunctioning and underbilling some customers.

"It wasn't fair to the other customers whose meters weren't as old," said Putnam, who was elected in 2011 for a two-year term since he spent his first nearly two years on the board as an appointee replacing a board member who left the position early.

Both Beatty and Bodnar said they want to increase the district's collaboration with Glendale's utility, which is currently righting itself after falling into the red and increasing water rates last year.

Beatty served a two-year term on the utility board in 2007 after being appointed under similar circumstances as Putnam's, but he lost in an election bid in 2009. He currently serves on the Crescenta Valley Town Council, an advisory body for Los Angeles County.

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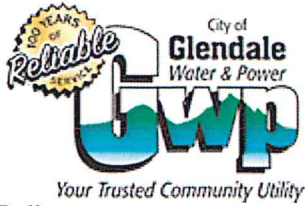
Follow Brittany Levine on [Google+](#) and on Twitter: [@brittanylevine](#).

ALSO:

[Man killed on 2 Freeway was 'calm and happy,' his mother says](#)

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INFO ITEM

Pay your GWP Bill at Local 7-Eleven Convenience Stores

Glendale *Water & Power* customers can now pay their GWP bill, in cash at any nearby 7-Eleven store. The utility partnered with Pay Near Me, a California based cash payment processing network that gives customers the convenience of paying their utility bill 24 hours a day, 7 days a week in less than 60 seconds at any 7-Eleven store. Look for the Pay Near Me bar-code on the back of your GWP bill. Take your GWP bill to any 7-Eleven store, have the clerk scan the bar code on the back of the bill, and you pay any amount up to the total in cash only for a small convenience fee of \$2.99 per transaction. Each bill will have its own unique barcode.

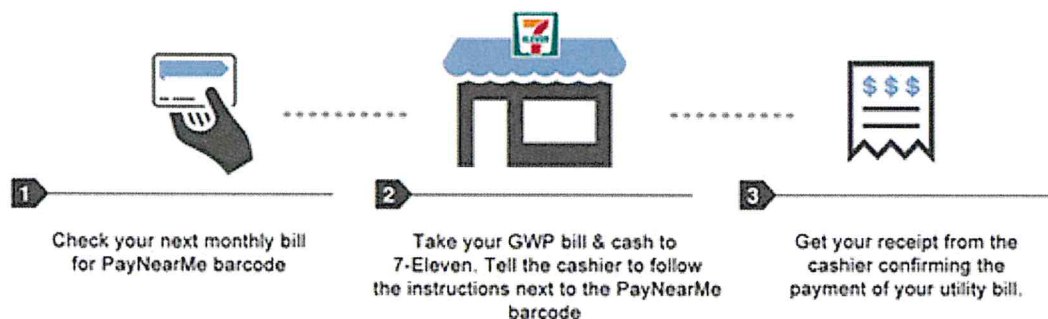


Pay Your Glendale Water & Power Bill with CASH at 7-Eleven

Use PayNearMe to:

- » Make payments 24/7 at any nearby 7-Eleven store.
- » Complete your payment in less than 60 seconds.
- » Pay any amount up to the total in cash only for a small convenience fee of \$2.99 per transaction.

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Visit www.GlendaleWaterAndPower.com for more information

Information
Item

Crescenta Valley Water District

Conserve Water - Protect Your Environment



Date: Thursday 11/13/2013

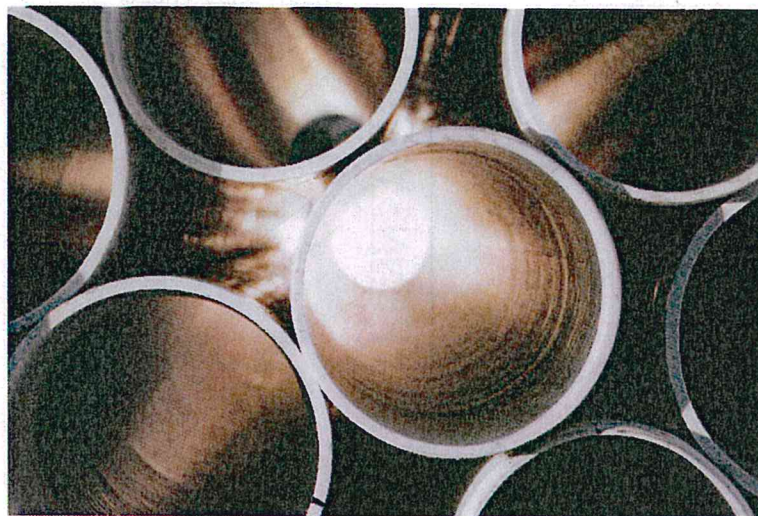
Time: 6:00pm-7:00pm

At the Intersection of
Cloud Avenue and Paraiso
Way
La Crescenta, CA 91214

Contact persons: Christina Olmedo
or David Gould
818-248-3925



COMMUNITY MEETING



Crescenta Valley Water District invites you to join us on the evening of Wednesday November 13, 2013, at 6pm for a Community Meeting. This meeting will provide you with the opportunity to meet our staff working on the upcoming water main replacement project, discuss the limits of the project, the type of construction activity, and answer any questions you may have. The pipeline will affect the 3000-3100 blocks of Paraiso Way, Cloud Ave. between Paraiso Way and Orange Avenue and the 4900 block of Ramsdell Avenue. We will be serving refreshments and look forward to meeting with you. See project location map on reverse side.

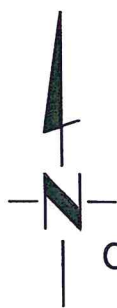
Highlights

- Meet our staff working on the project
- Find out why CVWD is replacing the pipeline
- Find out how and for how long you will be affected
- Opportunity to ask questions

Crescenta Valley Water District

CVWD
2700 Foothill Blvd
La Crescenta, CA. 91214
www.cvwd.com

818-248-3925 Work
818-236-4115 Direct
818-248-1659 Fax
Email: colmedo@cvwd.com



NOT TO SCALE

PROJECT LOCATION



COMMUNITY MEETING LOCATION



CRESCENTA VALLEY WATER DISTRICT MEETING LOCATION MAP

8-INCH WATER MAIN INSTALLATION ON THE 3000-3100 BLOCKS OF PARAISO WY., CLOUD AVE. BETWEEN PARAISO WY. AND ORANGE AVE., AND 4900 BLOCKS OF RAMSDELL AVE. PROJECT E-921

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*Informative
Item*

New solar plant will stabilize power costs for local water agencies

By Sylvie Belmond

belmond@theacorn.com



POWER PLAYERS—From left, Mike McReynolds and Mike Paule of the Triunfo Sanitation District; Glen Peterson of LVMWD; Tim Pershing, field deputy for Assemblymember Richard Bloom; and State Sen. Fran Pavley unveil a solar panel during a facility dedication ceremony hosted by the Las Virgenes and Triunfo Joint Powers Authority on Oct. 18. SYLVIE BELMOND/Acorn Newspapers

The future?

It belongs to the efficient and the progressive, officials said at the dedication of a new solar facility that will power the pumping of recycled water for the Las Virgenes-Triunfo Joint Powers Authority.

Las Virgenes Municipal Water District and Triunfo Sanitation District co-own the Tapia Wastewater Reclamation Facility, which cleans and redistributes the area's wastewater.

In April, the JPA signed an agreement with SolarCity to build, run and maintain a solar facility on a 6-acre site near the Rancho Las Virgenes composting facility in Calabasas. The JPA paid no upfront costs. The joint powers authority will pay a fixed rate for the solar energy generated by the system. The amount will be less than it currently pays the utility company, officials said.

"What you see here should be replicated all over the state," said state Sen. Fran Pavley (D-Calabasas), who has written a number of bills that helped to create a market for solar power.

Because companies provide the upfront capital costs, solar power is increasingly attractive for residential and commercial use, said the senator, who gave JPA leaders a sustainability award after her speech.

The solar-power plant is expected to go into operation in two or three months, said Jim Carhill, regional manager for SolarCity.

Power produced at the 1-megawatt facility will be used to pump recycled water.



The reclaimed water is used to irrigate landscaping at golf courses, parks, school grounds, highways, businesses and common areas in some multifamily residential complexes.

The solar panels will generate 2.3 million kilowatts per year, which represents about half of the electricity required to operate a nearby pump station, Zhao said.

Under the agreement with SolarCity, the district anticipates saving \$2 million in electricity costs over the next 20 years.

The 1-megawatt solar-energy system, consisting of 3,630 panels, will offset an estimated 82 million pounds of CO2 that would otherwise be needed generate power using fossil fuels over the lifetime of the system.

Panels will track the sun to provide maximum power throughout the day.

"I do like the idea that we have kind of closed the cycle here, transporting recycled water using renewable solar power," said Ventura County Supervisor Linda Parks, an environmental activist and former Triunfo Sanitation District board

member.

"I can't laud you enough for the good work you are doing . to reduce the carbon footprint," Parks said, adding that Ventura

County is also working to expand the use solar power for its public facilities. About 20 percent of the energy consumed in California is used for cleaning and transporting water.

The JPA will purchase power at a fixed rate of 10.5 cents per kilowatt hour, saving the group about \$100,000 per year.

The average cost of electricity from Southern California Edison is 13.4 cents per kilowatt hour. These costs are likely to rise years to come.

"The project would not have been possible without the public/ private partnership, and it's the first of its kind in the area for solar projects," said David Pedersen, LVMWD general manager.

Power consumption is one of the major costs of delivering water. The new solar power plant will allow the district to save percent on electricity costs and help to keep recycled water rates stable.

It provides stability for one of the key operating costs LVMWD, said Mike McReynolds, chair of the JPA.

"We'll be using a renewable resource to distribute a reclaimed resource," said Charles Caspary, JPA vice chair. "It's just one example of the environmental stewardship of the Las Virgenes Municipal Water District."

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UPPER LOS ANGELES RIVER AREA WATERMASTER
Richard C. Slade - Watermaster

Information
Item

ularawatermaster.com

12750 Ventura Blvd, Suite 202
Studio City, CA 91604

818-506-0418 PHONE
818-506-1343 FAX

TO: Interested Parties

FROM: Richard C. Slade
ULARA Watermaster

October 22, 2013

In accordance with the Recycled Water Policy adopted in February 2009 by the State Water Resources Control Board, a Salt and Nutrient Management Plan (SNMP) is being developed for the Upper Los Angeles River Area (ULARA) Groundwater Basins; this effort is being led by the ULARA Watermaster. A public information meeting regarding the SNMP development will be held on November 19, 2013 at 9AM in the Van Nuys area of the City of Los Angeles. If you are interested in attending the meeting, or are interested in receiving future ULARA SNMP updates, please send an email to SNMP@ULARAwatermaster.com for more information.

For up-to-date ULARA SNMP information, please visit www.ULARAwatermaster.com/SNMP.

For more information on the Upper Los Angeles River Area and the ULARA Watermaster, please visit www.ULARAwatermaster.com

For more information on Salt and Nutrient Management Plans, please visit:
http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/salt_and_nutrient_management/index.shtml

Memorandum

DATE: November 5, 2013
TO: Board of Directors
FROM: Dennis A. Erdman 
RE: General Manager's Report
CC: Management Staff.

Last week, a request was received from a community group named CV Ready asking for permission to park a small utility trailer at the District's Rosemont Reservoir. The organization CV Ready is intended to be a group of citizens who will act in support of First Responders in case of a community emergency. Cheryl Davis of the CV Town Council reported that CV Ready is under the leadership of Roger Young. Mr. Young has also been the leader of the Fire Safe Council in the community. The group has been awarded a grant of \$15,000 from Los Angeles County to be used toward community preparedness measures. There is ample room at Rosemont Reservoir for this trailer and I responded that CVWD would be willing to allow the trailer to be located there. The trailer is intended to store equipment to be used by the group in the event of an emergency.

The formation of CV Ready may be a good opportunity for the District to work cooperatively to develop plans for a coordinated effort in citizen staffed emergency response and recovery. The District has worked in the past in support of the efforts of the Community Emergency Response Team (CERT). Both David Gould and I have given presentations during CERT training programs, and I've given tours of the District's facilities to CERT "block captains" to make them aware of our operations.

I intend to keep in touch with both CV Ready and CERT to see if there are ways the District can enhance the efforts of these groups to bolster the community's emergency preparedness and ability to respond during, and immediately following an emergency. This is a potential area where the District's Emergency Planning Committee may wish to play a role.

Also on the topic of emergency preparedness, CVWD staff has recently had all of the District's emergency generators load tested and mechanically checked to be sure they are ready if the need arises to put them into use. This includes the small generators purchased last year to support the SCADA system in the event of a prolonged power failure.

In November, Ron Mitchell will celebrate twenty years of employment at CVWD and Alex Sandoval has his fourteen year anniversary with CVWD. Congratulations to both of these employees! As of November 1, we have worked 163 days without a lost time accident. At present, one employee remains on leave due to work related injury and one on leave due to non work related injury.

CRESCENTA VALLEY WATER DISTRICT

Title: Construction of 8-inch Water Main on the 3000-3100 Blks of Paraiso Way, Cloud Ave.
between Paraiso Wy and Orange Ave and 4900 Block of Ramsdell Avenue.
E-Job No: E-921
Engineer's Estimate: \$505,000
Project Manager: Christina Olmedo

BID LOCATION: CVWD's Office
TIME: 2:00 PM
DATE: 10/30/13
BY: CO CHECKED: DSG DATE: 10/30/13

			Engineers Estimate		GRFCO		Brkich		J.A. Salazar		J.DeSigio		E&R Construction	
ITEM	DESCRIPTION	QUANTITY	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Excavation and Backfill (pipeline, laterals & appurtenances)	3,776 LF	\$50.00	\$188,800.00	\$30.00	\$113,280.00	\$62.00	\$234,112.00	\$36.50	\$137,824.00	\$51.00	\$192,576.00	\$70.00	\$264,320.00
2	Resurfacing Trench	11,457 SF	\$5.00	\$57,285.00	\$4.00	\$45,828.00	\$6.00	\$68,742.00	\$10.00	\$114,570.00	\$8.25	\$94,520.25	\$8.00	\$91,656.00
3	Install 8" CML & CMC Steel Water Pipeline and appurtenant Construction	1,805 LF	\$60.00	\$108,300.00	\$60.00	\$108,300.00	\$18.00	\$32,490.00	\$30.00	\$54,150.00	\$50.00	\$90,250.00	\$35.00	\$63,175.00
4	Install 10" CML & CMC Steel Water Pipeline and appurtenant Construction	740 EA	\$70.00	\$51,800.00	\$65.00	\$48,100.00	\$20.00	\$14,800.00	\$60.00	\$44,400.00	\$63.00	\$46,620.00	\$35.00	\$25,900.00
5	Install 6" Fire Hydrant Assemblies	5 EA	\$3,700.00	\$18,500.00	\$3,000.00	\$15,000.00	\$8,000.00	\$40,000.00	\$8,000.00	\$40,000.00	\$1,700.00	\$8,500.00	\$3,000.00	\$15,000.00
6	New 1" Services	50 LS	\$1,500.00	\$75,000.00	\$1,000.00	\$50,000.00	\$1,000.00	\$50,000.00	\$1,530.00	\$76,500.00	\$975.00	\$48,750.00	\$1,200.00	\$60,000.00
7	Sample Station	1 EA	\$1,500.00	\$1,500.00	\$50,000.00	\$50,000.00	\$5,000.00	\$5,000.00	\$5,056.00	\$5,056.00	\$17,250.00	\$17,250.00	\$10,000.00	\$10,000.00
8	Traffic Control	1 LS	\$3,815.00	\$3,815.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00
9	Replace Valve	2 EA	\$2,500.00	\$5,000.00	\$24,000.00	\$48,000.00	\$5,000.00	\$10,000.00	\$6,500.00	\$13,000.00	\$2,500.00	\$5,000.00	\$1,500.00	\$3,000.00
			EE	\$505,000.00	LOW	\$431,508.00	2ND	\$446,644.00	3RD	\$477,000.00	4TH	\$501,466.25	5TH	\$533,551.00