

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 March 12, 2019 at 7:00 p.m.**

Posted: March 8, 2019 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 February 26, 2019.

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. 743** – Consideration and motion to adopt an application for grant funding from the U.S. Bureau of Reclamation, Water and Energy Efficiency Grant for an Advanced Metering Infrastructure Project, Project E-998.
2. **Succession Plan Implementation** – Review and approve succession plan implementation for the District due to a pending retirement.
3. **TTHM Study and Disinfection Process Upgrades, Project E-995** - Discussion and update of CVWD's TTHM study and disinfection process upgrades.

Information Items

Written Communications to District/Board of Directors

General Manager's Report

Attorney Report

Reports of Committees

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

Director's Oral Reports

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

Closed Session

Conference with Labor Negotiators - \$54957.6

- District negotiators: Nem Ochoa, Ron Mitchell, and James Lee
- Employee organization: AFSCME

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS

February 26, 2019

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting on February 12, 2019, an Adjourned Regular Meeting was held on February 26, 2019, 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 Michael L. Claessens Kerry D. Erickson Kenneth R. Putnam Judy L. Tejada
Attorney:	Thomas S. Bunn
General Manager:	Nem Ochoa
Secretary-Treasurer:	Ron L. Mitchell
District Engineer:	David S. Gould
Others Present:	Mark Hass, IT Manager Christy Scott, Program Manager Wendy Holloway, Customer Service Supervisor Dennis Maxwell, Operation & Maintenance Manager Arturo Montes, Accountant Maritess Allmon, Customer Service Frank Colcord, FMWD Director Bill Boyd, Sensus Jeff Randolph, Aqua Metric Hector Gutierrez – Aqua Metric

PLEDGE OF ALLEGIANCE

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

ADOPTION OF AGENDA

It was moved by Director Claessens, seconded by Director Tejada and carried by a 5-0 vote that the Agenda for the Adjourned Regular Meeting of February 26, 2019, be adopted as presented.

PUBLIC COMMENTS - None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Mr. Colcord reported that it has been good news on the water stand point. The snow pack in the Sierras and the Colorado Rockies are above

normal for this time of year. CVWD purchases are 16% down from the 2013 conservation benchmark. CVWD customers have applied for rebates more than all the other Foothill agencies combined. Also there are two water conservation events; one is a Rain Barrel event where purchasers can pick them up at the FMWD offices on March 17, and on March 23rd there will be a turf removal class held at the La Canada Presbyterian Church.

CONSENT CALENDAR

It was moved by Director Erickson, seconded by Director Tejeda and carried by a 5-0 vote to approve the Minutes of the Adjourned Regular Board Meeting held on February 12, 2019 and to ratify the disbursements for January 2019.

Payment of demands against the Crescenta Valley Water District on or before January 31, 2019 the same having been approved by the General Manager, Nem Ochoa and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of One Million Eight Thousand, Five Hundred Four Dollars and Twenty Two cents (\$1,008,504.22), which is composed of the individual items set forth herein.

ACTION CALENDAR

Discussion on Iperl Meters – Mr. Ochoa reported that the District has approximately 5,000 Iperl meters in the ground, which is part of the ongoing meter replacement program. The Iperl's were chosen because of the reliability, the leveraging technology, the electromagnetic measurement and is very accurate with the high flows and the low flows. Mr. Bill Boyd from Sensus, who manufactures our water meters, addressed the Board regarding the Iperl meters. They were introduced in 2011 with a ten year warranty on the battery; the ones we are receiving now have a twenty year battery life. He explained the meters accuracy. He stated that a new ¾" mechanical meter has to be 95% accurate by the AWWA standard at a ½ gallon per minute. The Iperl meter is 100% accurate at 1/10 gallon per minute. He stated that the way the District has been testing the Iperl meters is the same way the factory test meters for accuracy. Mr. Boyd answered several questions from the Board related to the meter's construction, reliability, and other public agencies who use this product.

2nd Quarter Financial Report for the Year Ended June 30, 2019 – Mr. Mitchell presented the District's Budget vs Actual 2nd Quarter Financial Report. He said that staff had met with the Finance Committee and reviewed this report. The Board asked that more detail be provided related to expenses in future reports.

TTHM Mitigation and Disinfection Process Upgrades, Project E-995 – Mr. Gould gave an update on the TTHM's, and where we are currently. Staff met with WQTS on finalizing the submittal to DDW for amending our permit, hopefully by mid-March. They met with ValveTek on February 19th, and discussed the flush-out project schedule. They will start on March 5th, and will provide a demonstration by the Glenwood Plant at 9:00 a.m. The work should be completed by mid-May 2019. The ammonia skids will be delivered this week and staff will start installation next week at the Mills Plant and should be completed by mid-March. Work will start at the Glenwood Plant early April and be completed by early May. All the TTHM's levels are below the target level of 65 ug/L.

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL

GENERAL MANAGER – Mr. Ochoa reported on the rainfall received to date is 161% of normal, which is 25.41". The snowpack is about 140% of normal. DWR has increased the State Water Project allocation to 35% and projections are that they could get to 50%.

Mr. Gould reported that Mayor Garcetti has a plan for a \$2 billion to upgrade the Hyperion Treatment Plant to use the recycled water. CVWD does own part of the water, however we don't use recycled water, and our cost will be most likely be increasing due to the upgrade of this infrastructure.

Mr. Mitchell reported on the Directors Stipend report for February 2019.

ATTORNEY – Mr. Bunn reported that he attended the quarterly status conference for ULARA Basin last week. The Watermaster did an analysis of the Hill and Mountain areas which are areas tributary to the LA Basin, but are not within the boundaries of the Basin. The judgement intentionally excluded those from what was being adjudicated. They are no longer going to charge for the output of Pickens Tunnel against the District's water rights.

REPORTS OF COMMITTEES

Engineering Committee – Director Erickson reported that the Committee met on February 22, 2019 and reviewed the status of groundwater wells and capacity, discussion of FY 19/20 Capital Project Program, Discussion of Administrative Consultants for FY 19/20 Budget, and FY 18/19 CIP Project update. The Committee will meet on March 15, 2019.

Finance Committee – Director Putnam reported that the Committee met on February 21, 2019 and reviewed the FY 2018-19 2nd Quarter Financial Reports.

Employee Relations Committee – Director Bodnar reported that the Committee will meet on March 8, 2019 at 9:30 a.m.

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

Community Relations/Water Conservation Committee – Director Tejada reported that the Committee met on February 19, 2019 and discussed recent Social Media Posts, Draft Media Policy & Protocols, and Action Plan to Social Media Posts. The Committee will meet on March 19, 2019 at 9:00 a.m.

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

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

DIRECTORS ORAL REPORTS

Director Bodnar reported that the State Water Project Allocation is at 35%, but with the many storms heading to Northern California, the projection is that the allocation will be going up. MWD will not be in an allocation due to demand being extremely low. With the rainfall customers are doing very well on

conserving water. In February, MWD water delivery was the lowest in 35 years and they are in a surplus condition.

Director Claessens reported he attended the Town Council meeting last week and that Nem did a good job answering questions from the community. He wants staff to justify future rates increases.

Director Tejeda reported that she also attended the CVTC meeting. She said that she spoke with the former Mayor of Culver City, and they are going with CPA for 100% renewable energy. She also attended a women's luncheon last Thursday in downtown Los Angeles. They were honoring women in the community and the speakers were very inspirational.

Director Putnam reported that we need to capture rain water and look for areas to contain and store the water.

Director Erickson reported that CBS reporter David Goldstein did an investigation on the West Basin Board of Directors exposing that they are having meals provided at their meetings. Also, one of the Board members had \$61,000 in stipends. He also attended the CVTC meeting and said people don't understand the geographic layout of the area. Staff needs to make sure we use proper language when talking about the areas for the customers. He also is questioning if CPA will still be viable in a year.

ADJOURNMENT

There being no other business to come before the Board, at 8:47 p.m. it was moved by Director Claessens, seconded by Director Tejeda and carried by a 5-0 vote that the meeting be adjourned to March 12, 2019, at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1

March 12, 2019

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: **Resolution No. 743 – Approving Application for Grant Funding from the U.S. Bureau of Reclamation, Water and Energy Efficiency Grant for an Advanced Metering Infrastructure Project, Project E-998**

Action ITEM

1. **Resolution No. 743** – Consideration and motion to adopt an application for grant funding from the U.S. Bureau of Reclamation, Water and Energy Efficiency Grant for an Advanced Metering Infrastructure Project, Project E-998.

BACKGROUND:

The U.S. Bureau of Reclamation (USBR) is making funding available through its WaterSMART Program for Water and Energy Efficiency Grant for project such as Advanced Metering Infrastructure (AMI). These grants will be awarded to projects that will result in quantifiable and sustained water savings as well as support broader water reliability benefits. The funding opportunity is available at www.grants.gov by searching for funding opportunity announcement (FOA) number BOR-DO-19-F004. Applications are due on **March 19, 2019**, at 4 p.m.

The projects funded with this grant include installation of flow measurement devices and automation technology, canal lining or piping to address seepage, municipal meter upgrades, and other projects to conserve water. These cost-shared grant projects conserve and use water more efficiently, mitigate conflict risk in areas at a high risk of future water conflict, and accomplish other benefits that contribute to a reliable water supply across the nation.

About \$24 million will be available through this funding opportunity. Funding is provided in two groups.

- Funding Group I projects receive up to \$300,000 and can be completed within two years.
- Funding Group II projects may receive up to \$1.5 million for a phased project up to three years. Applicants must provide at least a 50 percent cost-share.

DISCUSSION:

Staff and its consultant John Robinson Consulting (JRC) are working to prepare the USBR grant application for CVWD's AMI system. As part of the process, USBR is requesting that a resolution be approved by the Board of Directors to appoint a person with legal authority; indicate that there are sufficient funds available, and meet deadlines established in the grant agreement (see attached).

JRC and staff will be submitting a grant application for both Funding Group 1 and 2 as shown above. Funding Group 1 has a maximum grant amount of \$300,000 and needs to be completed in 2-years, meaning if the AMI project starts in October 2019; then it needs to be done by October 2021. The preliminary cost estimate from UtiliWorks is \$3.3M and this grant will provide 9% of the funding.

Funding Group 2 has a maximum grant amount of \$1.5 million and needs to be completed in 3-years, however, the competition for Group 2 is higher and is generally distributed to larger agencies throughout the US. Staff and JRC believe that we can probably get the Group 1 funding, and it will be difficult to get Group 2 funding. Both grant application, will be completed and submitted by March 19, 2019.

RECOMMENDATION:

It is staff's recommendation to adopt Resolution 743, such that CVWD can continue the USBR grant application submittal process for an AMI grant.

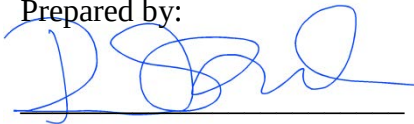
ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

N/A

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:



Nem Ochoa
General Manager

Attachment:

1. Resolution No. 743
2. A portion of the WaterSMART Grants Efficiency Projects for Fiscal Year 2019

G:\Management\Board Meeting Staff Reports\2019\03-12-19 Board Memo - Resolution - USBR AMI Grant.docx

RESOLUTION NO. 743

RESOLUTION OF THE BOARD OF DIRECTORS OF CRESCENTA VALLEY WATER DISTRICT

APPROVING THE APPLICATION FOR GRANT FUNDS FROM THE BUREAU OF RECLAMATION THROUGH WATERSMART: WATER AND ENERGY EFFICIENCY GRANT FOR AN ADVANCED METERING INFRASTRUCTURE PROJECT

WHEREAS, The United States Department of the Interior provides financial assistance through WaterSMART: Water and Energy Efficient Grants for entities to undertake projects that result in quantifiable and sustained water savings and support broader water reliability benefits; and

WHEREAS, the Board of Directors of Crescenta Valley Water District desires to submit an application for grant funds from this program; and

WHEREAS, the Bureau of Reclamation has been delegated the responsibility of the administration of this grant program and establishing necessary procedures; and

WHEREAS, the procedures established by the Bureau of Reclamation require the applicant to certify by resolution the identity of the official with legal authority to enter into an agreement; that the appropriate official or governing body has reviewed and supports the application submitted; the capability of the applicant to provide the amount of funding and/or in-kind contributions specified in the application funding plan; and that the applicant will work with the Bureau of Reclamation to meet established deadlines for entering into a grant or cooperative agreement; and

NOW, THEREFORE, the Board of Directors of the Crescenta Valley Water District resolves as follows:

Section 1. The Board of Directors of Crescenta Valley Water District appoints the General Manager, or his designee, to act as agent with legal authority to enter into a grant or cooperative agreement, conduct all negotiations, execute and submit all documents for an Advanced Metering Infrastructure Project including, but not limited to, applications, agreements, payment requests and any other grant-required correspondence that may be necessary for the completion of the grant program.

Section 2. The Board of Directors of Crescenta Valley Water District has sufficient funds available to provide the amount of funding specified in the funding plan as matching funds/in-kind contributions.

Section 3. Crescenta Valley Water District will work with the Bureau of Reclamation to meet established deadlines for entering into a grant or cooperative agreement.

Section 4. This Resolution shall take effect immediately upon its adoption by the Board, and the Secretary to the Board shall certify the vote adopting this Resolution.

PASSED, APPROVED, AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on March 12, 2019, Resolution No. 743 was adopted by the following vote:

AYES:	Director Bodnar
	Director Claessens
	Director Erickson
	Director Putnam
	Director Tejada

NOES:	None
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ATTEST:

President, Board of Directors
Crescenta Valley Water District

Secretary of the Board of Directors

RECLAMATION

Managing Water in the West

Funding Opportunity Announcement No. BOR-DO-19-F004

WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2019



U.S. Department of the Interior
Bureau of Reclamation
Policy and Administration
Denver, Colorado

January 2019

Section A. Funding Opportunity Description

A.1. Program Information

The U.S. Department of the Interior's (Department) WaterSMART (Sustain and Manage America's Resources for Tomorrow) Program provides a framework for Federal leadership and assistance to stretch and secure water supplies for future generations in support of the Department's priorities. Through WaterSMART, Reclamation leverages Federal and non-Federal funding to support stakeholder efforts to stretch scarce water supplies and avoid conflicts over water.

WaterSMART provides support for the Department of the Interior's priorities, including creating a legacy of conservation stewardship, sustainably developing our energy and natural resources, modernizing our infrastructure through public-private partnerships, striking a regulatory balance, and restoring trust with local communities by improving relationships and communication with states, tribes, local governments, communities, landowners and water users.

Through Water and Energy Efficiency Grants, Reclamation provides assistance to states, tribes, irrigation districts, water districts, and other entities with water or power delivery authority to undertake projects that result in quantifiable and sustained water savings and support broader water reliability benefits. Water and Energy Efficiency Grants are a component of Reclamation's WaterSMART Grants Program, which also includes Water Marketing Strategy Grants and Small-Scale Water Efficiency Projects. For further information on the WaterSMART Grants Program, please see www.usbr.gov/watersmart/index.html.

This Water and Energy Efficiency Grants funding opportunity announcement (FOA) provides funding for projects that result in quantifiable water savings and support broader water reliability benefits. These projects conserve and use water more efficiently; increase the production of hydropower; mitigate conflict risk in areas at a high risk of future water conflict; and accomplish other benefits that contribute to water supply reliability in the western United States.

Through this FOA, Reclamation provides funding for projects that increase water reliability consistent with sections 3 and 4 of the October 19, 2018 Presidential Memorandum on Promoting the Reliable Supply and Delivery of Water in the West.

A list of Frequently Asked Questions (FAQ) about WaterSMART and this FOA can be found online at www.usbr.gov/WaterSMART/weeg/faq.html. The list of FAQs will be updated periodically during the application period. For further information on WaterSMART Grants, please see

www.usbr.gov/watersmart/index.html. For further information on the WaterSMART Program, please see www.usbr.gov/WaterSMART.

A.2. Objective of this Funding Opportunity Announcement

The objective of this FOA is to invite states, Indian tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with Reclamation on projects that seek to conserve and use water more efficiently; increase the production of hydropower; mitigate conflict risk in areas at a high risk of future water conflict; enable farmers to make additional on-farm improvements in the future, including improvements that may be eligible for Natural Resources Conservation Service (NRCS) funding; and accomplish other benefits that contribute to water supply reliability in the western United States.

A.3. Statutory Authority

This FOA is issued under the authority of Section 9504(a) of the Secure Water Act, Subtitle F of Title IX of the Omnibus Public Land Management Act of 2009, Public Law 111-11 (42 United States Code 10364).

A.4. Other Related Funding Opportunities

Through WaterSMART Grants, Reclamation also provides other funding opportunities. The **Small-Scale Water Efficiency Projects** provides funding for small-scale water management projects (up to \$75,000 in Federal funding for each project) that have been identified through previous planning efforts. Reclamation has developed a streamlined selection and review process to reflect the small-scale nature of these projects.

In addition, **Water Marketing Strategy Grants** provide meaningful support for entities exploring actions that can be taken to develop or facilitate water marketing. Under this funding opportunity applicants will be invited to conduct planning activities to develop a water marketing strategy to establish or expand water markets or water marketing transactions.

Reclamation provides funding for water management projects through several other programs under WaterSMART. Through the **Drought Response Program**, Reclamation provides funding to help build resilience to drought. Through Drought Contingency Planning, Reclamation supports the development of drought contingency plans with participation from a diverse set of stakeholders. Reclamation also provides funding for Drought Resiliency Projects that increase water supply flexibility and improve water management to build long term resilience to drought and are supported by an existing drought contingency plan.

In addition, through the **Cooperative Watershed Management Program (CWMP)**, Reclamation provides funding to watershed groups to encourage diverse stakeholders to form local solutions to address their watershed management needs. Reclamation provides funding through Phase I of the CWMP for watershed group development, restoration planning, and watershed management project design and through Phase II for the implementation of watershed management projects.

For information on the timing for these FOAs, please visit the WaterSMART Program website: www.usbr.gov/watersmart/index.html.

A.5. Collaboration with the Natural Resources Conservation Service

Reclamation and the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS) are collaborating to align program resources in areas of the Western United States where our mission areas overlap (17 Western States), to improve the impact of the agencies' respective drought resiliency and water efficiency investments. In 2011, NRCS and Reclamation began efforts to coordinate water conservation activities in California. Beginning in 2012, Reclamation made changes to WaterSMART Water and Energy Efficiency Grants to support similar collaboration on a West-wide basis. Applicants under the WaterSMART Grants program receive additional consideration in the evaluation process for delivery system improvements that complement on-farm improvements supported by NRCS such as through their Environmental Quality Incentives Program (EQIP). Contingent on available appropriations, NRCS provides dedicated EQIP funding to support on-farm water efficiency improvements by producers served by water delivery infrastructure improved through a WaterSMART Grant. Also, in FY 2017, Reclamation and NRCS have begun working together to expand this partnership to include collaboration on a broader range of activities, including projects funded through this FOA.

Please note that on-farm improvements themselves are not eligible activities for funding under this FOA. NRCS will have a separate application process for the on-farm components of selected projects.

Under this funding opportunity announcement, consideration will be given under *Section E.1.2. Evaluation Criterion E—Complementing Future On-Farm Irrigation Improvements* for proposals that describe on-farm efficiency work that is currently being completed or is anticipated to be completed in collaboration with NRCS in the area (e.g., with a direct connection to the district's water supply). Please contact your state NRCS office for more information regarding NRCS assistance. You can find the contact information for your state NRCS office on the USDA's website, www.nrcs.usda.gov/wps/portal/nrcs/main/national/contact/states/.

Section B. Award Information

B.1. Total Project Funding

FY 2019 appropriations includes \$34 million for WaterSMART Grants, including approximately \$24 million for this FOA. Please note that approximately \$2 million of FY 2019 WaterSMART Grants funding will be allocated for additional phases of projects selected through previous FOAs. Any awards are subject to a determination by Reclamation that FY 2019 appropriations are available. Applications submitted under this FOA may also be considered if other funding becomes available in FY 2019 or subsequently. Updated funding information is available at: www.usbr.gov/WaterSMART/weeg.

B.2. Project Funding Limitations

Multiple applications for funding may be submitted for consideration (for example, an applicant may submit a proposal for funding under Funding Group I and a separate proposal under Funding Group II). ***However, no more than \$1,500,000 will be awarded to any one applicant under this FOA.***

The Federal share (Reclamation's share in addition to any other sources of Federal funding) of any one proposed project shall not exceed 50 percent of the total project costs. Generally, the non-Federal share of project costs must be expended at the same or greater rate as the federal share of project costs.

Applicants are invited to submit proposals under the following two funding groups.

B.2.1. Funding Group I

Up to \$300,000 in Federal funds provided through this FOA will be available for smaller, on-the-ground projects.

- In general, projects funded under Funding Group I should be completed within 2 years of award (see *Section C.3.3. Length of Projects* for additional information).
- It is expected that funds will be awarded in the fall of 2019, contingent on appropriations.
- It is expected that more awards will be made for projects in Funding Group I than Funding Group II (described below).

B.2.2. Funding Group II

Up to \$1,500,000 in Federal funds provided through this FOA will be available for larger, phased on-the-ground projects that may take up to 3 years to complete.

- Projects selected under Funding Group II will be funded on an annual basis, for a period of up to 3 years, with a maximum of \$1,500,000 available for the entire project.
- Recipients must demonstrate sufficient progress to receive subsequent funding for remaining phases of the project.
- Federal funding under this FOA for the first year of phased projects is expected to be awarded in the fall of 2019. Funding for the remaining project years will be made available contingent on subsequent congressional appropriations. (Note: recipients will not be asked to reapply to receive FY 2020 and FY 2021 funding).
- It is expected that only a small number of awards will be made for projects in Funding Group II.

B.3. Environmental and Cultural Resource Compliance

All projects selected for funding under this FOA will be required to comply with Federal environmental and cultural resource laws and other regulations. Projects funded under this FOA may require the completion of an environmental assessment under NEPA, which can be costly. Please consider this when developing your project budget. See *Section D.2.2.5 Project Budget* for additional information.

B.4. Assistance Instrument

Project awards will be made through grants or cooperative agreements as applicable to each project. If a cooperative agreement is awarded, the recipient should expect Reclamation to have substantial involvement in the project.

Substantial involvement by Reclamation may include:

- Collaboration and participation with the recipient in the management of the project and close oversight of the recipient's activities to ensure that the program objectives are being achieved.
- Oversight may include review, input, and approval at key interim stages of the project.

Section B. Award Information

At the request of the recipient, Reclamation can provide technical assistance after award of the project. If you receive Reclamation's assistance, you must account for these costs in your budget. To discuss available assistance and these costs, contact the program coordinator identified in *Section G. Agency Contacts*.

Section C. Eligibility Information

C.1. Eligible Applicants

Under P.L. 111-11, Section 9502, an eligible applicant is a state, Indian tribe, irrigation district, water district, or other organization with water or power delivery authority.

Applicants must also be located in the Western United States or Territories as identified in the Reclamation Act of June 17, 1902, as amended and supplemented; specifically: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, Wyoming, American Samoa, Guam, the Northern Mariana Islands, and the Virgin Islands.

Those not eligible include, but are not limited to, the following entities:

- Federal Governmental entities
- Individuals
- Institutes of higher education
- 501(c)4 organizations
- 501(c)6 organizations

C.2. Cost Sharing Requirements

Applicants must be capable of cost sharing **50** percent or more of the total project costs. The total project cost is defined as the total allowable costs incurred under a Federal award and all required cost share and voluntary committed cost share contributions, including third-party contributions.

Cost share may be made through cash, costs contributed by the applicant, or third-party in-kind contributions. Third-party in-kind contributions is the value of non-cash contributions of property or services that benefit the federally assisted project and are contributed by non-Federal third parties, without charge. Cost share funding from sources outside the applicant's organization (e.g., loans or state grants) should be secured and available to the applicant prior to award. Please see *Section D.2.2.9 Official Resolution* and *Section D.2.2.5 Funding Plan and Letters of Commitment* for more information regarding the documentation required to verify commitments to meet cost sharing requirements.

Other sources of Federal funding may not be counted towards the required cost share. The exception to this requirement is where the Federal statute authorizing a program specifically provides that Federal funds made available for such program can be applied to matching or cost sharing requirements of other Federal programs, such as awards to tribal organizations under P.L. 93-638, as amended.

If it is determined that the Federal funding cannot be applied towards the non-Federal cost share, the work associated with the funding may be removed from the proposed project.

C.2.1. Cost Share Regulations

All cost-share contributions must meet the applicable administrative and cost principles criteria established in 2 Code of Federal Regulations (CFR) Part 200, available at www.ecfr.gov.

C.2.2. Third-Party In-Kind Contributions

Third-party in-kind contributions may be in the form of equipment, supplies, and other expendable property, as well as the value of services directly benefiting and specifically identifiable to the proposed project. The cost or value of third-party in-kind contributions that have been or will be relied on to satisfy a cost-sharing or matching requirement for another Federal financial assistance agreement, a Federal procurement contract, or any other award of Federal funds may not be relied on to satisfy the cost-share requirement for an award under this FOA. Applicants should refer to 2 CFR §200.434 *Contributions and donations* for regulations regarding the valuation of third-party in-kind contributions, available at www.ecfr.gov.

C.3. Eligible Projects

C.3.1. Eligible Projects

Water Conservation and Hydropower projects eligible for funding under this FOA are described below. Applications may include any one, or a combination, of the types of projects described. In general, if you are seeking funding for multiple projects (e.g., a piping project and a hydropower project) and the projects are interrelated or closely related, they should be combined in one application.

Applicants may submit multiple project proposals; however, no more than \$1,500,000 will be awarded to any one applicant under this FOA.

C.3.1.1. Water Conservation Projects

Projects that result in quantifiable and sustained water savings or improved water management (please note that an agreement will not be awarded for an improvement to conserve irrigation water unless the applicant agrees to the terms of Section 9504(a)(3)(B) of Public Law 111-11. See *Section F.2.3. Requirements for Agricultural Operations under Public Law 111-11, Section 9504(a)(3)(D)* of this FOA for further information). Projects include:

- **Canal Lining/Piping:** Projects that line or pipe canals, resulting in conserved water. Projects include, but are not limited to:

Section C: Eligibility Information

- Installing new proven lining materials or technology
 - Converting open canals to pipeline
 - Constructing conveyance improvements, turnouts, or pipelines
- **Municipal Metering:** Projects that install meters, resulting in measurable water savings. Projects include, but are not limited to:
 - Installing water service meters
 - Installing distribution systems meters associated with production and/or leakage quantification
- **Irrigation Flow Measurement:** Projects that improve measurement accuracy and result in reduced spills and over-deliveries to irrigators. Projects include, but are not limited to:
 - Installing weirs, flumes, ramps, etc. in open channels
 - Installing meters in pressurized pipes
- **Supervisory Control and Data Acquisition and Automation:** Projects that install SCADA and/or automation components that provide water savings when irrigation delivery system operational efficiency is improved to reduce spills, over-deliveries, and seepage. Projects include, but are not limited to:
 - Installing SCADA components that allow for remote monitoring of irrigation delivery system conditions (flow rates, water elevations, controls devices openings, etc.)
 - Installing automation components that allow for remote operation of delivery system control features (gates, valves, turnouts, etc.)
- **Irrigation Measures:** Projects that provide water savings by reducing outdoor water usage. These measures include turf removal, Smart irrigation controllers (weather or soil-moisture based) and high-efficiency nozzles (sprinkler heads). These measures are typically promoted by water entities through rebates or direct-install programs. Projects include, but are not limited to:
 - Removing turf
 - Installing Smart irrigation controllers
 - Installing high-efficiency nozzles (e.g., sprinkler heads)

C.3.1.2. Hydropower Projects

Projects that increase the use of hydropower in managing and delivering water. Projects include, but are not limited to, those discussed in the following subsections.

Implementing Hydropower Projects Related to Water Management and Delivery

Hydropower projects related to water management and delivery include, but are not limited to:

- Installing a small-scale hydroelectric facility that enables use of renewable energy sources (e.g., installing low-head hydrokinetic power generation units in a water system)

Proposals including a hydropower component typically require additional permitting not needed for other water management improvements (e.g., canal lining). In evaluating these proposals, Reclamation may consider the applicant's progress in obtaining a Federal Energy Regulatory Commission (FERC) license or a Reclamation Lease of Power Privilege (LOPP), depending on which is applicable. Applicants for a project including a hydropower component are asked to include documentation of steps taken to date for obtaining a FERC license or a LOPP.

Note that improvements to Federal facilities that are implemented through any project awarded funding through this FOA must comply with additional requirements. The Federal government will continue to hold title to the Federal facility and any improvement that is integral to the existing operations of that facility. Please see *Section F.2.4. Title to Improvements Under Public Law 111-11, Section 9504(a)(3)(D)*.

Applicants proposing hydropower development may wish to contact the program coordinator listed in *Section G, Agency Contacts*, prior to the application deadline to discuss the requirements listed above.

Note: other types of renewable energy projects, including large-scale solar, wind, and geothermal projects, are not eligible under this FOA

C.3.2. Ineligible Projects

Any project not specifically described in *Section 3.1. Eligible Projects* is not eligible under this FOA. The following subsections further explain ineligible projects.

C.3.2.1. Operations, Maintenance, and Replacement

Projects that are considered normal operations, maintenance and replacement (OM&R) are not eligible. OM&R is described as system improvements that replace or repair existing infrastructure or function without providing increased efficiency or effectiveness of water distribution over the expected life of the improvement. Examples of ineligible OM&R projects include:

- Replacing malfunctioning components of an existing facility with the same components
- Improving an existing facility to operate as originally designed
- Performing an activity on a recurring basis, even if that period is extended (e.g., 10-year interval)
- Sealing expansion joints of concrete lining because the original sealer or the water stops have failed
- Sealing cracks in canals and/or pipes, including those sealant projects intending to improve facilities with inherent design and construction flaws
- Replacing broken meters with new meters of the same type
- Replacing leaky pipes with new pipes of the same type

Applicants that have questions regarding OM&R are encouraged to contact the program coordinator listed in *Section G. Agency Contacts*, prior to the application deadline for further information.

C.3.2.2. Water Reclamation, Recycling, and Reuse

Water reclamation, reuse, and desalination projects are not eligible for funding under this FOA. Entities seeking funding for these types of projects should consider Reclamation's Title XVI Water Reclamation and Reuse Program and Drought Response Program. If you have questions about a water reclamation, reuse, or desalination project please contact Amanda Erath at 303-445-2766 or aerath@usbr.gov.

C.3.2.3. Groundwater Recharge

Groundwater recharge projects are not eligible. Applicants proposing such projects should consider applying for funding under the WaterSMART Drought Resiliency Projects FOA. See the WaterSMART Drought Response Program webpage, www.usbr.gov/drought, for more information.

C.3.2.4. Water Purchases

A project that proposes using Federal funding primarily for the purchase of water is not eligible under this FOA.

C.3.2.5. Building Construction

A project that proposes to construct a building is not eligible for Federal funding under this FOA (e.g., a building to house administrative staff or to promote public awareness of water conservation).

C.3.2.6. Pilot Projects

A project that proposes to conduct a pilot study to evaluate technical capability, economic feasibility, or viability for full-scale implementation, or to test an unproven material or technology is not eligible for Federal funding under this FOA.

C.3.2.7. High-Efficiency Indoor Appliance and Fixture Installation

A project that includes the installation of high-efficiency indoor appliances and fixtures, including toilets and urinals, whether through rebates, direct install, or by other means, is not eligible for funding under this FOA.

C.3.2.8. Other Types of Renewable Energy Projects

Renewable energy projects other than hydropower projects, including large-scale solar, wind, and geothermal projects, are not eligible under this FOA

C.3.3. Length of Projects

In general, Funding Group I projects should be completed within two years of award. Funding Group II projects should be completed within three years of award and each year are expected to complete the work planned as part of that year's phase. Applications for projects requiring more time will be considered for funding only under limited circumstances. For example, some hydropower project installations may require additional time to secure necessary permits.

Reclamation will determine the capability of an applicant to complete the proposed project within the timeframe identified in the application.

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
March 12, 2019

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa, P.E. – General Manager
Subject: **Succession Plan Implementation**

ACTION ITEM:

Review and approve succession plan implementation

Review and approve succession plan implementation for Administrative Services Manager.

BACKGROUND:

CVWD's current Administrative Services Manager, Ron Mitchell, has announced his retirement after 25 years of dedicated service. Mr. Mitchell's last working day at CVWD will be September 27th, 2019.

Due to the likelihood of Mr. Mitchell retiring this year and in anticipation of backfilling his position, the District diligently recruited and carefully selected a potential successor. In January 2017, the District hired a highly qualified candidate into the Accountant position and he has since been promoted to the Finance and Accounting Manager position. Now with two years of experience at CVWD, and with an official retirement date in site, staff recommends implementing the final phase of a succession plan as follows:

Finance and Accounting Manager begins assignment as Interim Administrative Services Manager:	July 1st
Succession Training and Interim assignment:	July 1st through September 27th

At the end of the interim assignment, the General Manager will evaluate the performance of the Interim Administrative Services Manager and determine the permanency of the assignment. Upon a favorable evaluation, the Interim Administrative Services Manager will retain the fulltime Administrative Services Manager position; otherwise a recruitment will commence immediately to fill the full-time position.

Because the assignment will require expanding his current role and responsibilities, staff recommends that the Interim Administrative Services Manager receive a 10% increase (of current base salary), while serving in the interim position.

RECOMMENDATION:

Approve implementation of succession plan, which includes a 10% increase (of current base salary), justified by an expanded role and responsibilities, as required of the position.

Submitted by:



Nem Ochoa, P.E.
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 3
March 12, 2019

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: TTHM Mitigation and Disinfection Process Upgrades, Project E-995

ACTION ITEM:

TTHM Mitigation and Disinfection Process Upgrades, Project E-995 - Discussion and update of CVWD's TTHM study and disinfection process upgrades

BACKGROUND:

The District uses chlorine as a disinfectant to treat drinking water. Chlorine can create disinfection by-products during treatment, known as Total Trihalomethanes or TTHMs. As chlorine reacts with naturally occurring organic matter in imported water, TTHM's can be created. CVWD's imported water is supplied by FMWD/MWD from either the Colorado River (CRW) or the State Water Project (SWP). Typically, the water supply blend for CVWD is 60% groundwater and 40% imported water. With the on-going localized drought and groundwater levels not fully recovered, CVWD's water supply blend has shifted to 37% groundwater and 63% imported water. This, coupled with additional chlorine needed for breakpoint chlorination in the system, has caused an increase in TTHMs in the distribution system.

DISCUSSION:

Operational Changes:

Water system operational changes continued which reduced the amount of water storage and lowered the TTHM levels as shown on the attached charts. The TTHM levels shown have remained under or near the target level of 64 ug/L due to decreasing water demands and lower winter temperatures.

Construction – Chloramine Conversion:

Installation of Ammonia Injection System for Chloramine Conversion:

The following are tasks planned for the next few weeks by staff and its consultants:

- o Field crews continuing installing conduits and piping at Mills Plant.
- o Staff reviewing 75% design of the six (6) new chlorine analyzers.
- o Field Crews to start working on installation of conduits and piping at the six (6) new chlorine analyzers.
- o Staff working on plan to upgrade the chlorination system at Pickens Canyon Tunnel.
- o Staff and WQTS finalizing submittal to DDW for amending permit.

Water Distribution Flushing:

ValveTek started on March 5, 2019, with a public demonstration near the Glenwood Plant and the work should be completed by mid-May 2019. Staff sent letters to residents about the upcoming water flushing project. In addition, staff updated the website with information and project schedule for the flushing project. Staff updated the phone system to include a message for customer complaints during the flushing operation. Staff coordinated with office and field staff to handle any water quality complaints during flushing.







PROJECT SCHEDULE:

Project Schedule - Installation of Ammonia Injection System:

Staff has updated the project schedule based on the lead-time for the ammonia skids and the precast concrete vault provided by the vendors.

- o Ammonia skids delivered on February 28, 2019.
- o Precast concrete vault delivered around April 15, 2019.
- o CVWD's crews working on installing the ammonia equipment at the Mills Plant and should be completed by the middle of March 2019.
- o Work at Glenwood Plant will start in early April 2019 and completed by early May 2019.

Project Schedule – Conversion to Chloramines:

Staff has reviewed the TTHMs mitigation option decision tree provided by WQTS, which set specific dates for converting to chloramines based on TTHM levels in the reservoirs. The next compliance sampling for the 2019 1st quarter will be an average of samples in January, February and March 2019 and the current TTHM levels are well below the target level of 64 ug/L.

Staff has previously discussed its concerns about the TTHM levels increasing during the summer of 2019 due to high demands, temperature and reduced groundwater. At this time, staff is planning to start the disinfection conversion to chloramines in late spring 2019.

Staff and its consultants are also working with the Division of Drinking Water (DDW) to amend the District's permit to operate. Staff plans to submit permit request with supporting data to DDW in March 2019 and amendment to the permit completed by the end of April 2019.

Past Actions:

- o August 14, 2018
 - Discussion by Dr. Issam Najm of WQTS on TTHMs and Chloramines.
 - Awarded contract to WQTS for \$10,000 for initial study and evaluation.
- o August 28, 2018
 - Awarded contract to WQTS for \$99,800 for chloramine conversion, public outreach, staff and operator training, Department of Drinking Water (DDW) permitting support, development of necessary mitigation plans, and preparation of 30% design plans.
 - Awarded contract to Hazen and Sawyer for \$9,971 to perform bench testing of CVWD's source water to determine proper breakpoint chlorination and formation of TTHMs.
- o September 11, 2018
 - Staff, worked with WQTS and CV Strategies to mail out public information brochures with a list of frequently asked questions.
 - Staff posted information on website and articles in the CV Weekly and Glendale Newspress.
- o September 15, 2018 – Public Workshop at the Glenwood Plant
- o September 25, 2018
 - Authorized General Manager to select and negotiate with consultants and contractors for the installation of chloramination systems at the Glenwood and Mills Plants for \$410,000.
 - Award contract to John Robinson Consulting (JRC) for \$45,225 for contract and construction administration for the new ammonia injection system.
 - Amended contract to WQTS for \$44,240 for additional design work by Carollo Engineers.
- o October 9, 2018
 - Office & field staff trained on the nitrification and chloramines processes.
 - Carollo Engineers submitted preliminary 30% design plans for review.
- o October 23, 2018
 - Site walk at Glenwood and Mills Plants to determine location of ammonia injection skids, ammonia injection conduits, and SCADA and electrical conduits.
 - JRC prepared and sent out a request for quote for purchase of two (2) ammonia injection pump skids.
 - Grace Environmental Services (Grace) provided a proposal for a system operator to assist staff during the chloramine conversion process in the distribution system.

- Site visit from Apex Manufacturing Solution (APEX), on the design and installation of SCADA equipment and integration at Glenwood and Mill Plants.
 - Met with Hazen and Sawyer on design and installation of new chlorine analyzers at six (6) locations to provide additional monitoring after conversion to chloramines.
- O November 6, 2018
- Field crews potholed the 14-inch water main at the Glenwood Plant for depth and location for the ammonia injection concrete vault.
 - Awarded contract and ordered the concrete vault from Jensen Precast for \$36,775 at the Glenwood Plant and estimated delivery is 8 – 10 weeks after approval of shop drawings.
 - Awarded contract and ordered ammonia injection pump skids from Cortech Engineering for \$29,850 and estimated delivery in 8 – 10 weeks after approval of shop drawings.
 - 30% design plans were reviewed and sent back to Carollo Engineers for final edits.
 - Awarded contract to BrikArt Construction for \$7,011 to install concrete pad at Mills Plant.
 - Awarded contract to APEX for \$47,725 for the design and integration of SCADA equipment at Glenwood and Mill Plants.
- O November 20, 2018
- Authorized General Manager to select and negotiate with consultants and contractors for the operations and maintenance for the new chloramination systems at a cost not to exceed \$500,000.
 - BrikArt Construction completed the concrete pad at the Mills Plant.
 - Awarded contract to Hazen and Sawyer for \$53,255 for design services for the installation of six (6) new chlorine analyzers.
 - Awarded contract to Core-Rosion and ordered a 405-gal tank with level indicator sensor at Mills Plant for \$7,153.
 - Awarded contract to ValveTek Utility Services (Valvetek) to perform dead-end water main flushing for \$131,000.
 - Awarded contract to Hopkins Technical Products to upgrade seven (7) existing ProMinent chlorine analyzers for \$32,870.
 - Awarded a contract to Hach, Inc for new seven (7) new chlorine analyzers and upgrade five (5) existing chlorine analyzers for \$91,560.
- O December 12, 2018
- Shop drawings from Cortech Engineering for the two (2) ammonia skids and from Core-Rosion for the 405-gal ammonia tank were reviewed by JRC and sent back with comments.
 - Staff provided comments on the Nitrification Monitoring & Control Plan to WQTS.
 - JRC submitted plans to Glendale Fire Department for permits for Glenwood and Mills Plants.
 - Staff met with Medora Corp to discuss installing new mixers in reservoirs to maintain chloramine residual and portable chlorine injection systems.
 - Field crews started working on upgrading/repairing blow-offs for dead-end water main flushing.
- O January 8, 2019
- Delivery of concrete vault from Jensen Precast delayed due to shop drawing revisions and current workload at Jensen Precast. Anticipated delivery date – late March 2019.
 - Staff and WQTS met to discuss updating CVWD's water quality distribution sampling plan for submittal to DDW for approval.
 - Staff met for a kick-off meeting with Hazen and Sawyer on the design of six (6) new chlorine analyzers.
 - Glendale Fire Department determined no permits are required for the installation of the ammonia injection system and will issue a refund fees.
 - Field crews continued working on upgrading/repairing blow-offs for dead-end water main flushing
 - Finalized shop drawings for ammonia skids with Cortech Engineering. Anticipated delivery date – mid February 2019.
 - Staff purchased SCADA equipment from Royal Industrial Solutions
 - Staff and APEX continue meeting on SCADA integration for the new disinfection process

- o January 22, 2019
 - JRC finalizing costs with Univar for supplying liquid ammonia sulfate in both mini-bulk deliveries for Mills Plant and in 330-gallon containers at Glenwood Plant.
 - Ammonia Tank for Mills Plant delivered at the end of January 2019.
 - Finalized shop drawings for concrete vault. Anticipated delivery date – mid April 2019.
 - Ammonia skids from Cortech Engineering – Anticipated delivery date – February 25, 2019.
 - Staff and APEX continue meeting on SCADA integration for the new disinfection process.
- o February 12, 2019
 - Awarded contract to APEX for \$32,090 for the SCADA design and integration for new chlorine analyzers.
 - Staff completed review of Hazen and Sawyer 30% design submittal for the six (6) new chlorine analyzers.
 - Staff and WQTS met to finalize submittal to DDW for amending permit.
- o February 26, 2019
 - Field crews completed upgrades and repairs of blow-offs prior to dead-end water main flushing
 - Hazen and Sawyer submitted 75% design for the six (6) new chlorine analyzers
 - Staff and ValveTek met on February 19 to discuss the project schedule.

Preliminary Cost Estimate:

Account Description	Amount - 2/26/19	Amount - 03/12/19	Difference
Transfer from MTBE Reserve Fund (9/25/18)	\$500,000	\$500,000	\$0
Transfer from MTBE Reserve Fund - (11/20/18)	\$500,000	\$500,000	\$0
Total Estimated Cost for Project	\$1,000,000	\$1,000,000	\$0
Consultants - Planning, Design & Construction Admin			
WQTS - Planning	\$10,000	\$10,000	\$0
WQTS - Design	\$144,040	\$144,040	\$0
Hazen & Sawyer - Water Quality	\$11,970	\$11,970	\$0
John Robinson Consulting - Project Management	\$45,225	\$45,225	\$0
Grace Environmental Services (3 months part-time service) (Estimate)	\$5,000	\$5,000	\$0
Apex Manufacturing Solution - SCADA programing and integration	\$54,165	\$54,165	\$0
New Chlorine Analyzers - 6 locations - Hazen and Sawyer - Design	\$53,255	\$53,255	\$0
Public Notification - CV Strategies , Printing & Mailing	\$11,168	\$11,168	\$0
WQ Sampling - 7/1/18 to 12/31/18	\$65,681	\$65,681	\$0
WQ Sampling - 1/1/19 to 5/1/19 (Estimate)	\$34,560	\$34,560	\$0
Subtotal	\$435,064	\$435,064	\$0
Construction			
Ammonia Injection Skids (2)	\$29,850	\$29,850	\$0
SCADA - Equipment (RTU's, Communication, cabinets, etc..) (Estimate)	\$19,700	\$19,700	\$0
Concrete Pad & Grading at Mills	\$7,011	\$7,011	\$0
Ammonia Inject Vault at Glenwood	\$36,775	\$36,775	\$0
Ammonia Tank at Mills	\$7,153	\$7,153	\$0
Static Mixer & Ammonia Injection System (Estimate)	\$11,000	\$11,000	\$0
Conduits/Wiring/Electrical Materials (Estimate)	\$6,500	\$6,500	\$0
Upgrade Chlorine Analyzers (Mills & Glenwood)	\$14,165	\$14,165	\$0
Safety - Eye Wash, Containment, etc.. (materials only) (Estimate)	\$3,200	\$3,200	\$0
On-site Welding (Estimate)	\$9,000	\$9,000	\$0
Misc (Estimate)	\$5,146	\$5,146	\$0
Subtotal	\$149,500	\$149,500	\$0
Operations & Maintenance			
Upgrade Chlorine Analyzers - 4 locations Equipment (Hach)	\$23,020	\$23,020	\$0
Upgrade Chlorine Analyzers - 7 locations Equipment (ProMinent)	\$36,372	\$36,372	\$0
New Chlorine Analyzers - 6 locations - SCADA Programing	\$32,090	\$32,090	\$0
New Chlorine Analyzers - 6 locations - SCADA Equipment (Estimate)	\$30,000	\$30,000	\$0
New Chlorine Analyzers - 6 locations - Equipment (HACH)	\$54,375	\$54,375	\$0
Dead-ends Water Main Flushing - Valvetek	\$131,000	\$131,000	\$0
Misc (Estimate)	\$5,245	\$5,245	\$0
Subtotal	\$312,102	\$312,102	\$0
Total Cost	\$896,666	\$896,666	\$0
Amount Remaining	\$103,334	\$103,334	

RECOMMENDATION:

It is staff's recommendation to continue with the planning, design and installation of the ammonia injection system, chlorine analyzers and site improvements to conversion to chloramines.

Prepared by:



David S. Gould, P.E.
District Engineer

Attachments:

1. TTHM Charts dated 03-05-19

Submitted by:



Nem Ochoa
General Manager

CRESCENTA VALLEY WATER DISTRICT

General Manager Report

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

GM Report
March 12, 2019

General Managers Report Topics:

- GM Activities

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

- LA County Public Works – Water Used for Street Sweeping
- Preliminary Survey Results (for social media preference)
- Water Production
- Hydrology Report
- Engineering Projects
- Operational Activities

STAFFING

Eight (8) employees have work anniversaries in March. Wendy Holloway – 37 years, Raymond Dodge – 26 years, Cory Whitman – 26 years, Pam Leddy – 17 years, Christy Scott – 16 years, Mark Hass – 13 years, Siaki Mortenson – 3 years, Tessa Allmon – 1 year

As of March 8th the District has gone 1,732 days without a lost time accident.

GENERAL MANAGER ACTIVITIES

Meetings:

CALPERA Conference/Training	- February 28 th
Management Staff Meetings	- March 4 th , March 11 th
Clean Power Alliance Meeting	- March 6 th
Employee Relations Committee Meeting	- March 8 th

Submitted by:



Nem Ochoa
General Manager

Engineering and Operations

March 12, 2019
Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: **Engineering & Operations – February 2019**

1. **Water Production Report**

- February 1 – 28 - Water production – 63%/37% split – 68.0 MG for the time period
- Average use – 28.7% less than 2018 and 21.9% less than 5-yr average

2. **Rainfall Update**

- 11.23” for February 2019
- Rainfall Total for Rainfall Year 2018/19 – 25.53”
- 2.91” for March 2019 (as of March 8)
- Rainfall Total for Rainfall Year 2018/19 – 28.44”

3. **Report on Engineering**

- **CIP Projects**

- Oak Creek #1 & #2 Reservoir Rehabilitation
 - Oak Creek #2 – working on interior re-coating (see photos)
 - Interior Coating Completion date – March 19, 2019
- Well 1 & 7 Rehabilitation – Starting work March 25, 2019

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

- Replying to comments from DDW
- DDW approval – April 2019

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

- John Robinson Consulting and Wood Environmental working on Conceptual Plan
- Conceptual Plan to be reviewed at April 12, 2019 Engineering Committee Meeting

- **ULARA**

- Administrative Committee Meeting – April 11, 2019

- **Grant Program**

- US Bureau of Reclamation – WaterSMART – AMI Grant – March 19, 2019

- **Water Meter Replacement Program**

- AMI Business Case to be reviewed at March 15, 2019 Engineering Committee Meeting
- AMI Implementation Recommendation Memo being reviewed by staff and will be presented at March 15, 2019 Engineering Committee Meeting

- **Water Quality**

- Updating Monthly Bacteriological Water Sampling Plan

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

- **Wells – Status** - Well production capacity – increased to 1.90 MGD as Wells 5, 7, 8 & 14 have shown increases in production over the last month.

5. **Developer Jobs**

- 2225 Mira Vista – New 9-unit apartments
- 2218 Montrose – New 9-unit apartments
- 2454 Montrose – New 16-unit apartments

6. **Street Projects**

- Pennsylvania Paving Project – City of Glendale – Under Construction
 - Upgrade Fire Hydrant at Pennsylvania and Orange – Estimate Cost \$15,000
 - Raising Valve Cans and Sewer Manhole Lids – Estimate Cost \$50,000 to \$150,000

7. **Field Maintenance & Operations – February 1, 2018 – February 28, 2018**

- **Water Lateral Leaks & Repairs**

2406 Honolulu	4930 Vicwood	2421 Frances
2323 Del Mar	5841 Edmund	3227 Brookhill

- **Water Main Leaks**

- Rosemont & Prospect (See Photo)

- **Valve Replacement**

- No Report

- **Fire Hydrant Repair**

- Pennsylvania and Montrose Ave (See Photo)

- **Booster Pump Maintenance**

- No Report

- **Reservoir Maintenance**

- Reservoir Inspection – Markridge, Shields, Edmund #1 & #2 – April 8, 2019

- **Sewer Maintenance - – February 1, 2018 – February 28, 2018**

- Program on hold until work at Glenwood and Mills plants completed



New Interior Coating – Oak Creek Reservoir No. 2



Water Main Break – Rosemont & Prospect



Fire Hydrant – Pennsylvania & Montrose

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

February 1 - February 28, 2019

Well Production:	36,326,560	Gals		
GWP Production:	5,195,000	Gals		
Gravity Production:	1,339,100	Gals	% GW	63%
Purchased Water:				
FMWD:	25,137,288	Gals		
City of Glendale:	0	Gals	% Import	37%
TOTAL:	67,997,948	Gals		
	208.68	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	11,196,000	*Included in Well Production		

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
February 1 - February 28, 2019	2,417,130	
February 1 - February 28, 2018	3,391,533	-28.7%
5-yr Average - February 2014 - 2018	3,095,482	-21.9%

RAINFALL: February 1 - February 28, 2019

11.23"

Season-To-Date:

25.53"

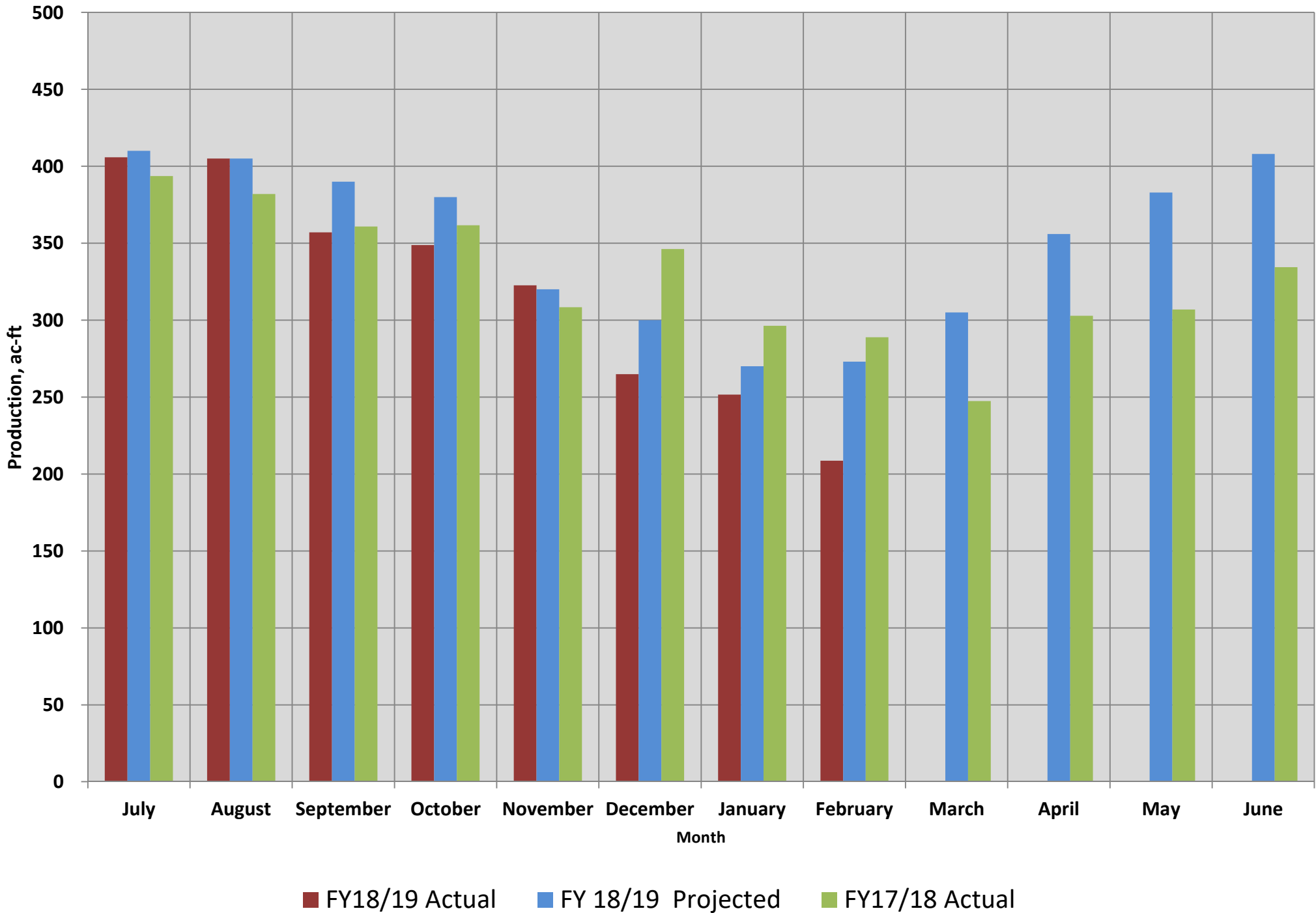
2018/19 Fiscal Year Water Production			WY 18/19 - Groundwater Production Water Rights		GWP (Well 16) Water Production - 2019		Purchased Water Production Tier 2 Allocation - 2019	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Month	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	406	410	October	115	January	18	January	123
August	405	405	November	108	February	16	February	77
September	357	390	December	103	March		March	
October	349	380	January	111	April		April	
November	323	320	February	116	May		May	
December	265	300	March		June		June	
January	252	270	April		July		July	
February	209	273	May		August		August	
March		305	June		September		September	
April		356	July		October		October	
May		383	August		November		November	
June		408	September		December		December	
Total to Date	2,565	2,748	Total to Date	552	Total to Date	34	Total to Date	200
Projected	4,017	4,200	Water Rights	3,294			Tier 2	2,154
% of Projected	61.1%	65.4%	% of Rights	17%			% of Allocation	9%
Remaining	1,635	1,452	Remaining	2,742			Remaining	1,954

NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Water Production:

FY18/19 Actual, FY18/19 Projected & FY17/18 Actual



Monthly Rainfall - 1964/65 - 2018/19 (Oct.- March)

