

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 May 2, 2017 at 7:00 p.m.**

Posted: April 28, 2017 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 April 18, 2017.
2. Rejection of two (2) Claims for Damages filed by Patricia Engle of 4536 Frederick Ave. and Mary Garcia of 2715 Mary St.

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. **Update on the California Water Fix** – Presentation and discussion regarding the California Water Fix.
2. **Resolution No. 736** – Consideration and motion to adopt Resolution No. 736 in support of ACWA's policy statement on Bay-Delta flow requirements.
3. **SCADA Information and Control Systems Replacement, Project E-939A** – Consideration and motion to authorize the General Manager to enter into an agreement with Wonderware California to provide a SCADA information and control systems replacement at a cost of \$153,885 and establish a contingency of \$15,389 (10% of the contract amount) for unforeseen work.
4. **Strategic Planning** – Draft Strategic Plan for the District.

Information Items

Written Communications to District/Board of Directors

Staff Reports

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

Attorney Report

Reports of Committees

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

Director's Oral Reports

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

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
April 18, 2017

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of April 4, 2017, an Adjourned Regular Meeting was held on April 18, 2017, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with Vice President Michael L. Claessens presiding.

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

Directors:	James D. Bodnar (Arrived 7:35 p.m.) Michael L. Claessens Kerry D. Erickson Kenneth R. Putnam Judy L. Tejeda
Attorney:	Thomas S. Bunn
General Manager:	Thomas A. Love
Secretary-Treasurer:	Ron L. Mitchell
District Engineer:	David S. Gould (Absent)
Others Present:	Wendy Holloway, Customer Accounts Supervisor Dennis Maxwell, Superintendent James Lee, Accountant Kathy Ross, FMWD Director Gary Cline, Nicolay Consulting E.G. “Jerry” Gladbach, ACWA/JPIA Karen Thesing, ACWA/JPIA

PLEDGE OF ALLEGIANCE

Vice President Claessens opened the meeting by leading the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Tejeda, seconded by Director Erickson and carried by a 4-0 vote that the Agenda for the Adjourned Regular Meeting of April 18, 2017 be adopted as presented.

PUBLIC COMMENT – None.

SPECIAL PRESENTATION – Mr. E. G. “Jerry” Gladbach and Ms. Karen Thesing from ACWA/JPIA presented an insurance premium refund check to the District in the amount of \$29,654.

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Kathy Ross reported the FMWD Board met on April 17, 2017 and said the Directors are getting email accounts in regards to the CA Public Records Act, adopted Resolution #870-0417 in support of ACWA’s policy statement on Bay-Delta flows,

and also adopted the new conservation message status to “standard”. She concluded saying the Solar Cup Races will be at held a Lake Skinner in May.

CONSENT CALENDAR

It was moved by Director Tejeda, seconded by Director Putnam and carried by a 4-0 vote to approve the Minutes of the Regular Board Meeting held on April 4, 2017, approve the Minutes of the Public Workshop on April 11, 2017, and to ratify the disbursements for March 2017 which consisted of:

Payment of demands against the Crescenta Valley Water District on or before March 31, 2017 the same having been approved by the General Manager, Thomas A. Love, and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of Eight Hundred Eighty Five Thousand Eight Hundred Twenty Nine Dollars and Eighty cents (885,829.80), which is composed of the individual items set forth herein.

ACTION CALENDAR

Discussion Regarding the District’s OPEB Liability – Mr. Gary Cline of Nicolay Consulting gave a presentation on the District’s OPEB liability and the CVWD retiree medical plan results and discussed these with the Board. It was decided to have staff check into the need to establish a trust account before June 30th.

Water & Wastewater Budgets for FY 17/18 – Mr. Love reported that FMWD has given us their preliminary budget and the numbers will not make a significant change in ours, however, we will modify a few numbers.

Proposition 218 Notification for Proposed Water Rates and Charges – Mr. Love reported on the Proposition 218 Notices and asked for final approval from the Board so staff can prepare the notices to be sent to the property owner’s by April 28, 2017. Staff provided two scenarios that put the fixed service charge at different levels.

Following discussion:

It was moved by Director Claessens, seconded by Director Erickson and carried by a vote of 5-0 to approve scenario B and to authorize staff to mail the Proposition 218 notices with all corrections.

INFORMATION ITEMS – CV Weekly: Drought is Over - For Now.

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL

SECRETARY-TREASURER – Mr. Mitchell provided the summary of Cash and Investments and a recap of the investments for the Fiscal Year 2016/17. He also reported that we have received 2 claims for damages which he has sent to ACWA/JPIA to handle per the District’s Rules & Regulations.

GENERAL MANAGER – Mr. Love reminded the Board that the Hometown Country Fair is on April 29, 2017 and that management staff will be manning the booth this year. He invited any Director that would like to help to stop by the booth.

DISTRICT ENGINEER – Mr. Love gave an update on the Pennsylvania mainline replacement project and on the Well 2 project.

PROGRAM SPECIALIST – No Report

INFORMATION TECHNOLOGY – No Report

ATTORNEY – No Report

REPORTS OF COMMITTEES

Engineering Committee – Director Claessens reported that the Committee will meet on May 2, 2016 at 6:00 p.m.

Finance Committee – Director Tejada reported that the Committee met on April 13, 2017 at 8:00 a.m. and reviewed a draft of FY 2017/18 Water & Wastewater Budgets, a draft of the Proposition 218 Notice and discussed the OPEB valuation.

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

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

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

Emergency Planning Committee – Director Bodnar reported that the Committee will meet on April 21, 2017 at 10:00 a.m.

DIRECTORS ORAL REPORTS

Director Bodnar reported the State Water Project is at 85% allocation. MWD is storing 1.0 to 1.2 MAF of water this year. He also said that the Green Expo will be at MWD on April 20, 2017 between 8:30 a.m. to 1:30 p.m. on conservation related events.

Director Claessens – No Report

Director Putnam – No report

Director Tejada reported she attended The Women's Club meeting on April 12, 2017, in which they presented scholarships to 8 persons.

Director Erickson reported he was in Squaw Valley in the Sierra's, where there was 63' of snow.

ADJOURNMENT

There being no other business to come before the Board, at 9:30 p.m. it was moved by Director Tejeda, seconded by Director Claessens and carried by a 5-0 vote that the meeting be adjourned to May 2, 2017 at 7:00 p.m.

APPROVED

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Consent Item No. 2
May 2, 2017

To: Board of Directors
From: Ron L. Mitchell, Secretary-Treasurer
Subject: Claims for Damages

Rejection of two (2) Claims for Damage filed by Patricia Engel of 4536 Frederick Ave. and Mary Garcia of 2715 Mary St.

BACKGROUND:

At the last meeting staff informed the Board that two claims for damages had been received. The value of each claim was greater than \$5,000 so they were sent directly to ACWA/JPIA to handle per Section 19.05 of the District's Rules and Regulations (copy enclosed). Mr. Bunn recommended that these claims be brought to the Board to take a formal action to reject the claim, thus starting the statute of limitations for the claimants to file a lawsuit. Staff has also been contacted by ACWA/JPIA and they too recommend that the Board take action to reject the claims for the same reason. Mr. Bunn has reviewed Section 19.05 per direction from the Board and is satisfied that the wording is appropriate as written and does not recommend changes to the existing policy.

The first claim for damage was from Patricia Engel of 4536 Frederick Ave. She claims the damage was caused by a leaking 2" District water line that runs through an easement on her property. The leaking water had been running into their unfinished basement since mid-December. The customer was under the belief that the cause of the leak was from the neighbors above her property and it wasn't until a leak detection company found the leak under a concrete walkway at the rear of the house that the leaking pipe was discovered.

The second claim for damage was from Mary Garcia of 2715 Mary St. She claims that roots from the ash tree at the south end of the main office complex caused her driveway to rise up near a retaining wall and caused cracks in the retaining wall and driveway. Ms. Garcia consulted with an arborist about what may have caused the damage and his report states that the cracks are likely from the roots of the ash tree.

Recommendation

It is staff recommendation that the Board rejects the claims for damage received from Patricia Engel and Mary Garcia and direct staff to submit these claims to ACWA/JPIA for resolution.

Prepared by:

Ron L. Mitchell, Secretary-Treasurer

Submitted by:



Thomas A. Love, General Manager

ARTICLE 19: POLICY REGARDING CLAIMS

19.01 GENERAL

From time to time people present claims against the District under the Government Tort Claims Act. Many of these claims are for property damage and the District's insurance carrier allows the District the option of settling or denying certain covered claims not involving bodily injury. Therefore, the Board has adopted the following categories and guidelines in the handling of said claims against the District.

19.02 REVIEW OF CLAIMS

The General Manager or District's Attorney shall review all claims for sufficiency and timeliness. The General Manager or the Attorney is authorized to return insufficient or late claims.

19.03 CLAIMS OF \$1,000 OR LESS

The General Manager is authorized to perform the functions of the Board with respect to claims of \$1,000 or less and not involving bodily injury. These functions include but are not limited to, ruling on the sufficiency, reasonableness, or timeliness of claims; returning insufficient or late claims; allowing, compromising, or settling claims; and presenting claims to the District's insurance carrier. On the written order of the General Manager, the District shall pay the amount for which these claims have been allowed, compromised, or settled.

19.04 CLAIMS GREATER THAN \$1,000 BUT NOT MORE THAN \$5000

All legally sufficient claims against the District not involving bodily injury in amounts greater than \$1,000 but not more than \$5000 shall be presented to the Board at a Board Meeting. The Board may perform such functions with respect to these claims set forth under Article 19.03 above. The District shall pay the amount for which these claims have been allowed, compromised, or settled.

19.05 CLAIMS GREATER THAN \$5,000 OR INVOLVING BODILY INJURY

The District shall immediately refer all claims greater than \$5,000 or those involving bodily injury directly to its insurance carrier. However, after such consultation with the District's insurance carrier as may be appropriate in the particular case, the General Manager or District's Attorney may review the claim and the Board may consider or act on the claim, if to do so would be in the best interests of the District.

19.06 CLAIM FORM

A Standard District Claim Form, as revised from time to time and approved by the Board is included in Appendix C herein.

**CRESCENTA VALLEY WATER DISTRICT
CLAIM FORM**

8	If the actual amount of your claim is less than \$10,000, as of the date of presentation of the claim, including the estimated amount of any prospective injury, damage or loss, insofar as it may be known at the time of the presentation of the claim, together with the basis of computation of the amount claimed. If the amount claimed exceeds ten thousand dollars \$10,000, no dollar amount shall be included in the claim. However, it shall indicate whether the claim would be a limited civil case.												
<table style="width: 100%; border: none;"><tr><td style="width: 20%; border: none;">Date:</td><td style="width: 20%; border: none;"><i>3-31-17</i></td><td style="width: 20%; border: none;">TIME:</td><td style="width: 20%; border: none;"></td><td style="width: 20%; border: none;">SIGNATURE:</td><td style="width: 20%; border: none;"><i>Patricia V. Engel</i></td></tr><tr><td colspan="6" style="border: 1px solid black; padding: 2px; text-align: center; font-size: small;">ANSWER ALL QUESTIONS. OMITTING INFORMATION COULD MAKE YOUR CLAIM LEGALLY INSUFFICIENT.</td></tr></table>		Date:	<i>3-31-17</i>	TIME:		SIGNATURE:	<i>Patricia V. Engel</i>	ANSWER ALL QUESTIONS. OMITTING INFORMATION COULD MAKE YOUR CLAIM LEGALLY INSUFFICIENT.					
Date:	<i>3-31-17</i>	TIME:		SIGNATURE:	<i>Patricia V. Engel</i>								
ANSWER ALL QUESTIONS. OMITTING INFORMATION COULD MAKE YOUR CLAIM LEGALLY INSUFFICIENT.													

RECEIVED

APR 11 2017

CRESCENTA VALLEY WATER DISTRICT CLAIM FORM

CRESCENTA VALLEY
WATER DISTRICT

To Be Presented By The Claimant Or By A Person Acting On His Behalf

1 Name, mailing address, and phone number of claimant. Name: <u>MARY GARCIA</u> Address: <u>2715 MARY STREET, LA CRESCENTA, CA. 91214</u> Phone Number(s): <u>CELL: 626-375-4359</u> Social Security Number: _____ Date of Birth: _____ E-Mail: <u>mlingarcia@daviselen.com</u> CVWD Account No. (If applicable): <u>031713-000</u>
2 Name, address, and phone number of any witnesses. Name: <u>SCOTT DAVIDSON</u> Address: <u>37 SUFFOLK AVE. SIERRA MADRE, CA. 91024</u> Phone Number(s): <u>626-375-4359</u>
3 List the date, time, place, and other circumstances of the occurrence or transaction which gave rise to the claim asserted. Date: <u>9-15-16</u> Time: <u>8:30 AM</u> Place: <u>2715 MARY ST. LA CRESCENTA, CA 91214</u> Tell What Happened (give complete information): <u>ON 9-15-16 I met with RON MITCHELL AND DENISE MAXWELL to discuss the damage to my driveway and retaining walls, due to the large tree on the property of the CRESCENTA VALLEY WATER DISTRICT. DENISE proposed patching a small section of the driveway that was lifted. I expressed my concern that the cracks in the driveway and retaining walls were not addressed and I was told a claim to the CVWD had to be submitted for anything more than what was being offered as a solution.</u> Note: Attach any photographs you may have regarding this claim
4 Give a general description of the indebtedness, obligation, injury, damage, or loss incurred so far as it may be known at the time of presentation of the claim. <u>DUE TO THE ROOTS OF THE LARGE TREE ON THE PROPERTY OF THE CVWD, THE RETAINING WALL BETWEEN OUR PROPERTIES HAS CRACKED. MY DRIVEWAY HAS TWO LARGE CRACKS AND A PORTION HAS LIFTED AND SEPARATED. ON THE OTHER SIDE OF THE DRIVEWAY THERE ARE CRACKS IN THE RETAINING WALL OF MY PROPERTY.</u>
5 Give the name or names of the District employee or employees causing the injury, loss, or damage, if known. _____ _____ _____

**CRESCENTA VALLEY WATER DISTRICT
CLAIM FORM**

8	If the actual amount of your claim is less than \$10,000, as of the date of presentation of the claim, including the estimated amount of any prospective injury, damage or loss, insofar as it may be known at the time of the presentation of the claim, together with the basis of computation of the amount claimed. If the amount claimed exceeds ten thousand dollars \$10,000, no dollar amount shall be included in the claim. However, it shall indicate whether the claim would be a limited civil case.
Date: <u>4-3-17</u> TIME: <u>10:00 AM</u> SIGNATURE: <u>Mary Garcia</u>	
ANSWER ALL QUESTIONS. OMITTING INFORMATION COULD MAKE YOUR CLAIM LEGALLY INSUFFICIENT.	

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 4
May 4, 2017

To: Honorable President and Members of the Board of Directors
From: Thomas A. Love, General Manager
Subject: California Water Fix

ACTION ITEM:

1. **Update on the California Water Fix**

BACKGROUND:

The attached are documents that highlight the history of the California Water Fix over the last 10 years and provide additional information in a Question and Answer format. More information is scheduled to be provided at the meeting.

Prepared & Submitted by:



Thomas A. Love, P.E.
General Manager

CALIFORNIA WATERFIX: SIGNIFICANT PROGRESS AND NEXT STEPS

California WaterFix is the state's plan to upgrade outdated infrastructure in the Sacramento-San Joaquin Delta (Delta) to secure California's water supplies and improve the Delta's ecosystem. Over the last ten years the project has made significant progress, with 2016 marking completion of the environmental review documents.

An unprecedented level of public review, comment, and scientific input has helped refine and improve the proposed project. Below is a snapshot of major WaterFix milestones.

PUBLIC INVOLVEMENT & INPUT


3

Public review
environmental
documents


**OVER
650**

Working group meetings,
stakeholder presentations /
Q&As, and public meetings


1

Notice and review of
final environmental
document


**OVER
10k**

Fact sheets, executive
summaries, DVDs, comment
cards, etc. distributed to the
public


341

Days of public
comment

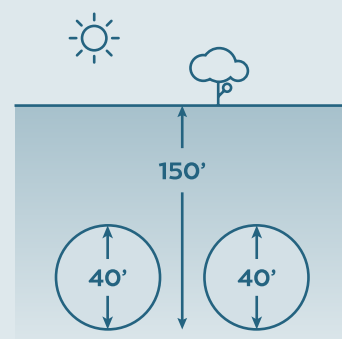
A full suite of online information – videos,
animations, webinars, frequently asked
questions, multilingual materials, toll-free
hotline, and brochures – available at

www.californiawaterfix.com

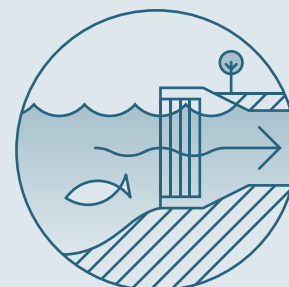
and

www.baydeltaconservationplan.com

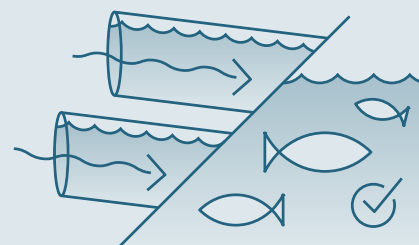
WATER DELIVERY UPGRADE



Two tunnels up to 150' below ground designed
to protect California's water supplies from sea
level rise, earthquakes, floods and levee failure.



Three new intakes located farther upstream
closer to higher quality water and away
from endangered species habitats.



Gravity-fed tunnels to move water naturally and
more efficiently with reduced harm to fish





2017

JANUARY

2017

Aquatic Science Peer Review Phase 2B conducted by the Delta Stewardship Council's Delta Science Program, representing an independent scientific evaluation of draft sections of U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS) Biological Opinions on California WaterFix for all federal Endangered Species Act (ESA)-listed aquatic species and their critical habitat

[More Information on the Aquatic Science Peer Review Phase 2B](#)

2016

DECEMBER

2016

California Department of Water Resources (DWR) and U.S. Bureau of Reclamation (Reclamation) release Final Environmental Impact Report/ Environmental Impact Statement (EIR/EIS). The documents describe and analyze alternatives, including the preferred alternative, discuss potential environmental impacts, identify mitigation measures that would help avoid or minimize impacts, and provide responses to all substantive comments received on the draft environmental review documents.

[Press Release](#)

[Fact Sheet: Moving Toward Environmental Review Process Completion](#)

Aquatic Science Peer Review Phase 2A conducted by the Delta Stewardship Council's Delta Science Program, representing an independent scientific evaluation of the Adaptive Management Framework and use of best available scientific information in the 2081(b) permit application analyses

[More Information on the Aquatic Science Peer Review Phase 2A](#)

Publication of map depicting areas dependent on water imported through the Delta

[Delta Dependency Map](#)



OCTOBER

2016

DWR submits incidental take permit application to the California Department of Fish and Wildlife (CDFW) pursuant to Section 2081(b) of the California Endangered Species Act

[Incidental Take Permit Application](#)

Op-ed by DWR Director on the need to operate as "one state" to find water solutions together

[Op-ed: Unity Needed for Statewide Water Solutions](#)

Op-ed by California Natural Resources Agency (CNRA) Secretary on the anniversary of the Loma Prieta earthquake as a reminder that California needs to safeguard it's water supplies against eventual future disasters

[Op-ed: Loma Prieta Memories Should Remind of Delta's Peril](#)





AUGUST - SEPTEMBER

2016

DWR and Reclamation submit the biological assessment to USFWS and NMFS, which is required to obtain incidental take authorization under the federal ESA

Biological Assessment

Adaptive Management Framework

Publication of fact sheet outlining how much water could have been captured and stored in early 2016 if WaterFix were in place

Fact Sheet: How Much Water Could We Have Stored?



JULY

2016

DWR and Reclamation begin presenting their case in chief during Part 1A of the State Water Resources Control Board (SWRCB) WaterFix Water Right Change Petition hearings. The public hearings are focused on DWR's request to add three new points of diversion to the State Water Project, with coordinated operations for the Central Valley Project

16 DAYS OF DIRECT TESTIMONY AND CROSS EXAMINATION

16 EXPERT WITNESSES

Updates on the State Water Board Change Petition Hearing

California Natural Resources Agency Press Release

Intake Construction Sequence Animation

Op-ed by DWR Director discusses critical need to strategically plan for California's water future, including upgrading outdated infrastructure

Op-ed: Planning for California's Water Future



JUNE

2016

Release of fact sheet covering project details and outlining critical importance to California

Fact Sheet: Fast Facts





MAY												2016
DWR and Reclamation submit testimony and evidence to the SWRCB for the Water Right hearings												Exhibit List



APRIL												2016
Op-ed by CNRA Secretary highlights the state's significant reliance on water from the Delta, and the integral role it plays in implementing local water projects												Op-ed: California Lifestyle Relies on Delta Water



MARCH												2016
Aquatic Science Peer Review conducted by the Delta Stewardship Council's Delta Science Program, representing an independent scientific evaluation of the methods and approaches (including the working draft biological assessment) for developing the joint Biological Opinion requirements and analyses prepared for the CDFW 2081(b) Incidental Take Permit application												More Information on the Aquatic Science Peer Review
Publication of new fact sheet discussing Delta water quality and associated project impacts												Fact Sheet: Water Quality



FEBRUARY												2016
Op-ed by CNRA Secretary covers the importance of improving the current system to allow for the capture of high flows when available, including specific details on missed opportunities to capture and store a significant amount of water this winter												Op-ed: To Make the Most of Rain, State Needs Delta Tunnels



JANUARY - FEBRUARY												2016
DWR and Public Water Agencies release tentative agreement that seeks to ensure accountability, transparency, and safe, timely, cost-effective and efficient project completion												Tentative Design and Construction Enterprise Agreement
DWR and Reclamation release a working draft biological assessment for California WaterFix				Working Draft Biological Assessment				Biological Assessment Modeling Data				





Below is an update on the status of the regulatory and permitting actions associated with California WaterFix.

REGULATORY PROCESSES AND PERMITS			STATUS
1	CALIFORNIA ENVIRONMENTAL QUALITY ACT / NATIONAL ENVIRONMENTAL POLICY ACT (CEQA/NEPA)		
	CURRENT	Final EIR/ EIS released on December 22, 2016	
		Reclamation issued NEPA required 30-day Notice of Availability for the Final EIR/EIS on December 30, 2016	
	NEXT STEPS	Reclamation issues Record of Decision (ROD), which will also include consideration of final biological opinions issued under ESA Section 7	EXPECTED SPRING 2017
		▶ DWR certifies the Final EIR/EIS, including that it is in compliance with CEQA ▶ If DWR chooses to approve a project, it will adopt "CEQA Findings," an MMRP, and if appropriate, a Statement of Overriding Considerations as part of project approval ▶ DWR issues a Notice of Determination (NOD)	EXPECTED SPRING 2017
2	ENDANGERED SPECIES ACT (ESA) SECTION 7 CONSULTATION		
	CURRENT	Biological assessment submitted to USFWS and NMFS and engaged in formal consultation	
	NEXT STEPS	USFWS and NMFS issue final Biological Opinion	EXPECTED SPRING 2017
3	NATIONAL HISTORIC PRESERVATION ACT (NHPA) SECTION 106 COMPLIANCE		
	CURRENT	Final Programmatic Agreement completed and signed	EXPECTED FEBRUARY 2017
	NEXT STEPS	Develop Draft Programmatic Historic Properties Treatment Plan	EXPECTED SPRING 2017
4	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE (CDFW) 2081(B) PERMIT		
	CURRENT	Incidental take permit application submitted to CDFW on October 5, 2016	
	NEXT STEPS	CDFW determines whether to issue permit	EXPECTED SPRING 2017
5	SECTION 401 OF THE CLEAN WATER ACT – WATER QUALITY CERTIFICATION		
	CURRENT	Application for Water Quality Certification submitted to SWRCB on September 24, 2015	
	NEXT STEPS	SWRCB determines whether to issue certification	EXPECTED LATE 2017
6	CDFW LAKE AND STREAMBED ALTERATION AGREEMENT, SECTION 1602		
	CURRENT	DWR preparing permit application for submittal to CDFW	EXPECTED SPRING 2017
	NEXT STEPS	CDFW determines whether to issue permit	EXPECTED SUMMER 2017





REGULATORY PROCESSES AND PERMITS			STATUS
7	U.S. ARMY CORPS OF ENGINEERS (USACE) SECTION 404 PERMIT		
	CURRENT	Section 404 Permit application submitted on September 9, 2015	
		Compensatory Mitigation Strategy completed Fall 2016	
	NEXT STEPS	Finalize alternatives analysis	EXPECTED SUMMER 2017
		USACE determines whether to issue permit	EXPECTED LATE 2017
8	STATE WATER RESOURCES CONTROL BOARD (SWRCB) CHANGE PETITION		
	CURRENT	Presentation of Part 1B cases-in-chief concluded on December 14, 2016	
	NEXT STEPS	Conduct rebuttal for Part 1 cases-in-chief, and then conduct Part 2 of the Water Right hearing addressing the effects of the project on fish and wildlife	ANTICIPATED START IN SPRING - FALL 2017
9	DELTA STEWARDSHIP COUNCIL		
	NEXT STEPS	DWR may determine that California WaterFix is a covered action consistent with the Delta Plan and regulations, and in such event, would file a certification of consistency with the Council. The Council would have appellate authority over DWR's consistency determination	ANTICIPATED SUMMER 2017
10	DESIGN & ENGINEERING		
	CURRENT	Completion of the initial design phase, which includes 10 percent design and preliminary work	
	NEXT STEPS	Once the ROD/NOD has been issued, engineering and design work progresses toward construction	EXPECTED SPRING 2017
11	CONSTRUCTION		
	NEXT STEPS	Groundbreaking activities	EXPECTED 2018
12	USACE SECTION 408 PERMIT		
	NEXT STEPS	Prior to work commencing on a jurisdictional levee, DWR will prepare and submit a permit application to USACE	Application developed in conjunction with continued facility design





Progress made from 2012 to 2015 is outlined below:

2015

OCTOBER

2015

Close of Recirculated Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) Public Review Period

**OVER
6,200**

UNIQUE COMMENT
LETTERS RECEIVED

SEPTEMBER

2015

DWR submits Section 404 Permit application to U.S. Army Corps of Engineers

[More Info on Section 404 Permit](#)

New fact sheet outlines how the proposed California WaterFix would benefit the Delta's native fish

[Securing Solutions for the Sacramento-San Joaquin Delta's Native Fish Fact Sheet](#)

AUGUST

2015

DWR and Reclamation submit change petition to SWRCB

[SWRCB Fact Sheet](#)

DWR releases revised information regarding parcels potentially impacted by the project; reduced number of permanent and surface impacts

[Facts about Parcels Potentially Impacted by California WaterFix](#)

JULY

2015

DWR and Reclamation hold two public open house meetings in Sacramento and Walnut Grove to collect comments on the RDEIR/SDEIS and answer questions

370

PEOPLE IN
ATTENDANCE

Publication of new Conceptual Engineering Report (CER) with engineering and design details for redesigned Modified Pipeline Tunnel Option – Clifton Court Forebay Pumping Plant

[CER](#)



JULY

2015

Visual animations depicting proposed design changes and Delta flows released

[Delta Flow Animation](#)

[Intakes Animation](#)

[Clifton Court Forebay Animation](#)

RDEIR/SDEIS Public Comment Period extended 60 days

[Press Release](#)

RDEIR/SDEIS available for public review and comment

[RDEIR/SDEIS Fast Facts](#)

[RDEIR/SDEIS Frequently Asked Questions](#)



APRIL

2015

Governor Brown announces California WaterFix as joint state and federal preferred alternative and unveils plans to accelerate restoration of the Delta's ecosystem through California EcoRestore



**CALIFORNIA
WATERFIX**
RELIABLE. CLEAN. WATER.



**CALIFORNIA
ECO RESTORE**
A STRONGER DELTA ECOSYSTEM.

[Protecting Water Supplies
Protecting Fish Fact Sheet](#)

[State of the Art Solution Fact Sheet](#)

[Refined Tunnel Option
& Intake Fact Sheet](#)

[California EcoRestore Fact Sheet](#)

[California WaterFix Website](#)

[California WaterFix /
California EcoRestore FAQs](#)

2014

DECEMBER

2014

Further refinements made to conveyance facilities to reduce impacts. Proposed changes include eliminating pumping plants at north Delta intakes and consolidating at Clifton Court Forebay; reduced construction impacts to Delta communities; improved tunnel reliability and operation

[NEWSLETTER: Additional
Refinements to Proposed Water
Delivery Facility Reduce Impacts](#)

[Bay Delta Conservation Plan
\(BDGP\): Expanding Greater Sandhill
Crane Habitat Fact Sheet](#)

[Modified Tunnel Option
Fact Sheet](#)





OCTOBER

2014

DWR landowner liaisons begin communication with all impacted landowners regarding the right-of-way process as it relates to field studies (for the environmental impact analysis) and temporary easements needed for geotechnical drilling

SEPTEMBER

2014

A series of meetings conducted between September 2014 and February 2015 with over 75 local residents, elected officials, Cooperating and Responsible agencies, and other interested parties to gather input and feedback on proposed facility design changes and how to minimize potential impacts from the proposed design optimization

VISUAL SIMULATION:
Modified Intake #3

VISUAL SIMULATION: Modified Clifton
Court Pumping Facility

AUGUST

2014

Agency review of public comments,
project refinements

Newsletter:
Planning for Climate Change

Blog: Refinements Warrant
Additional Public Review

Lead agencies announce Partial Recirculation of Draft Environmental Impact Report (EIR)/ Supplemental Draft Environmental Impact Statement (EIS) to address project changes

JULY

2014

Close of the 228-day Public Review and Comment Period on Draft BDCP and Associated Environmental Impact Report / Environmental Impact Statement

**OVER
10,000** UNIQUE COMMENT
LETTERS RECEIVED

JUNE

2014

BDCP could create and protect
1,135,812 California jobs

Infographic:
Job Creation & Protection

eNewsletter:
How Many Jobs Will BDCP Create?

eNewsletter:
Reliable Water for About \$5 / mo

Episode:
Jobs & Local Economic Benefits

Informational video featuring visual simulations of water conveyance facility

Visual Animation & Presentation:
Water Conveyance Facility



MAY 2014		
Evaluation concludes BDCP is affordable for urban ratepayers: costs as low as \$2-3 per month for some water users Report: LA Office of Public Accountability	BDCP proponents agree on draft implementation strategy, open for 60-day public review period News: Agreement & Comment Extension	DWR establishes the "BDCP Office" to guide BDCP implementation Blog: Principles for Sharing Design and Construction Oversight



FEBRUARY 2014	
Public Review and Comment Period Extension	News: Draft BDCP & Comment Extension



JANUARY 2014	
Final California Water Action Plan released Website: State Water Action Plan	Governor Brown declares Drought State of Emergency News: Declaration Press Release
BDCP holds 12 public open house meetings throughout the state to collect comments on the draft documents and answer questions	Distribution of highlights, DVDs and response tweets to #whereinBDCP

2013

DECEMBER 2013		
DWR and Reclamation release public draft BDCP and EIR/EIS for review and comment		
Press Release	Draft EIR/EIS Highlights	BDCP Highlights



OCTOBER 2013	
Publication of video reiterating BDCP would not take more water and would modernize our current system	Video: How Much Water?





AUGUST **2013**

DWR announces changes to BDCP that would reduce the project footprint by one-half and reduce local impacts

News: Changes to BDCP Would Reduce Impacts to Landowners and Residents

BDCP Refinements Respond to Community and Statewide Needs



MAY **2013**

BDCP Administrative Draft EIR/EIS available for public review

MARCH **2013**

Preliminary Draft BDCP available for public review

2012

JULY **2012**

Governor Brown outlines revisions to the BDCP: Intake capacity reduced from 15,000 cubic feet per-second (cfs) to 9,000 cfs

California's Water Future Framework Brochure



Frequently Asked Questions

Updated July 17, 2015

1. What is California WaterFix?

California WaterFix is a proposal backed by the administrations of Governor Edmund G. Brown Jr. and President Barack Obama to change how we divert water from the Sacramento-San Joaquin Delta. The Delta is a source of water for two-thirds of California's population and one-third of its irrigated farmland. The plan seeks to accomplish three primary goals that have long bedeviled state and federal policymakers:

1. Allow for more natural flows in the Delta to benefit salmon, smelt, and other species.
2. Increase water supply reliability by giving the water projects that divert from the Delta more flexibility to move water without harming fish.
3. Guard the Delta water diversion point from natural disaster disruption, such as earthquake or flood.

The proposal involves construction of three new intakes, each with a maximum diversion capacity of 3,000 cubic feet per second, on the east bank of the Sacramento River between Clarksburg and Courtland in the north Delta. Each intake site would employ state-of-the-art on-bank fish screens and, although the diversions would be located outside of the main range for delta and longfin smelt, the fish screens would be designed to meet delta smelt criteria. Two 40-foot-wide underground pipelines would carry the diverted water by gravity flow approximately 30 miles to the expanded Clifton Court Forebay, where two pumping plants would be constructed to maintain optimal water levels in the forebay for the existing State Water Project (SWP) and Central Valley Project (CVP) pumping facilities. Those existing pumps would lift the water into the canals that flow hundreds of miles to supply San Joaquin Valley farms and cities as far away as San Diego.

The north Delta intakes would be operated with the existing south Delta pumping facilities as a "dual conveyance system," which would be a significant upgrade from the existing system. The existing south Delta pumps pull water from nearby channels in an unnatural direction, called "reverse flows," which can draw fish off their migratory path into predator-rich channels.

Besides the environmental imperative to restore more natural flows to the Delta, there are infrastructure security reasons to modernize the Delta water conveyance system. The Delta's peat soil, composed of thousands of years'

worth of rotted tules and other wetland plants, oxidizes when dried and tilled. Now many of the approximately 60 islands that make up the Delta – most are farmed – are sunken as much as 20 feet below sea level in their centers. Should an earthquake, flood, or some other force knock down those levees, the sunken islands would fill up with water, drawing saltwater from San Francisco Bay eastward toward the SWP and CVP south Delta water intakes. Water supplies could be disrupted for weeks, months, or years, depending upon the extent of the damage.

2. What is California EcoRestore?

California EcoRestore is a state and federal agency initiative committed to the restoration of at least 30,000 acres of Delta habitat over the next four years. The types of habitat targeted include tidal wetlands, floodplain, upland, and riparian, and others. EcoRestore projects are unassociated with the habitat mitigation responsibilities of California WaterFix. The Delta hardly resembles the vibrant estuary of 200 years ago. Starting with the Gold Rush, people drained the Delta's marshes. They also dredged and straightened its meandering channels so that they could farm its rich peat soil. People built levees -- mounds of earth -- along the channels to hold back water, and in many places, lined those channels with big rocks to protect the levees from being scoured by water. In this way, the Delta lost not just its wetlands but also the riverside forest that shaded and harbored native fish.

3. How do California WaterFix and California EcoRestore relate to the Bay Delta Conservation Plan?

Federal and state water and wildlife agencies, in cooperation with the public water districts that depend upon water delivered from the Delta, launched the Bay Delta Conservation Plan (BDCP) in 2007. The effort aimed to find a way to accomplish dual goals:

- Enhance, protect and restore the Delta ecosystem and;
- Improve the reliability of water supplies for California.

After hundreds of public meetings and extensive analysis, a draft BDCP and corresponding environmental analysis was released in December 2013 for public review. The plan was a habitat conservation plan under Section 10 of the U.S. Endangered Species Act and a natural community conservation plan (NCCP) under the state Natural Community Conservation Planning Act. Regional habitat conservation plans and NCCPs cover a wide range of species over a large landscape, and include commitments and assurances for a specific permit term (the BDCP requested a 50-year term). The draft BDCP included a preferred alternative with the same basic water conveyance changes that are now embodied in California WaterFix. The draft plan also included 145,000 acres of protected or restored habitat related to meeting the requirements of the federal

and state laws for contributions to the recovery of the covered species in conjunction with the assurances requested for the 50-year permit.

Review of thousands of public comments received on the draft BDCP and its draft environmental impact documents raised considerable doubts as to whether a Section 10/NCCP approach -- with a 50-year term -- is realistic, given the uncertainty about future ecological conditions under climate change, as well as a lack of scientific data about how the Delta's estuary might respond to habitat restoration.

In April 2015, the principal backers of the BDCP -- the California Department of Water Resources and the U.S. Bureau of Reclamation -- announced a pivot in their approach to accomplishing the dual goals of ecosystem restoration and water supply reliability. They have chosen to study additional alternatives to modernize the Delta's water conveyance system and achieve the dual goals through implementation of the North Delta intakes and associated conveyance facilities, including the tunnels. These "sub-alternatives" would achieve compliance with the U.S. Endangered Species Act through the Section 7 consultation process and California Endangered Species Act through obtaining a 2081b incidental take permit and would not include long-term assurances for water project operators. The California Department of Water Resources has identified one of these sub-alternatives, Alternative 4A (California WaterFix), as its proposed project.

The draft BDCP and associated Draft EIR/EIS are still "live" documents; they are referenced in several of the sub-alternatives evaluated in the Partially Recirculated Draft Environmental Impact Report (EIR)/Supplemental Draft Environmental Impact Statement (EIS). Those documents were released for public comment on July 9, 2015. The BDCP website is still available, and all the documents are available there for continued public reference. The website CaliforniaWaterFix.com offers information about Alternative 4A, the new proposed project under the California Environmental Quality Act (CEQA).

At the same time, the state and federal governments will pursue at least 30,000 acres of habitat restoration through the California EcoRestore initiative. This effort is unassociated with the habitat mitigation responsibilities of California WaterFix, and represents a continued commitment to restoring the Delta's ecosystem.

4. What caused federal and state agencies to shift from a habitat conservation plan?

The U.S. Fish and Wildlife Agency, National Marine Fisheries Service, and California Department of Fish and Wildlife face great uncertainty about how climate change will affect the recovery of native fish in the Delta. (The average

early spring snowpack in the Sierra Nevada has decreased by about 10 percent during the last century, a loss of 1.5 million acre-feet of snowpack storage, and there has been an observed rise in sea level of seven inches at the Golden Gate over the past century.)

California WaterFix (Alternative 4A) would allow for an alternative implementation strategy for the new Delta water delivery infrastructure under Section 7 of the ESA and Section 2081(b) of CESA, and reflects the lead agencies' interest in exploring alternate regulatory approaches that could facilitate expeditious progress on Delta solutions. California WaterFix (Alternative 4A) was developed in response to input from the 2013 BDCP Draft EIR/EIS comment period as well as from agencies' comments regarding the challenges with meeting the standards required to issue long-term assurances associated with compliance with Section 10 of the ESA and the NCCPA. These challenges relate to the difficulties in assessing species status and issuing assurances over a 50-year period, in light of climate change, and accurately factoring in the benefits of long-term conservation in contributing to the recovery of the covered species. There were also questions raised as to the ability to implement large-scale habitat restoration and an interest in early implementation of certain restoration actions, untethered to the water infrastructure approval.

However, California's water supply for 25 million people remains vulnerable, as do the existing risks to sensitive aquatic species without this upgrade. We cannot in good conscience set aside these risks, so we are seeking to implement a proposed project with a reduced long-term objective with more limited authorizations under the federal and state endangered species acts to get this project started.

**5. Will the changed permitting process require new environmental analysis?
What is the process and timeline going forward?**

The Partially Recirculated Draft EIR/Supplemental EIS that analyzes this change was released for a 45-day public review period on July 9, 2015. The U.S. Bureau of Reclamation published a Notice of Intent in the Federal Register to announce the availability of the Recirculated Draft EIR/Supplemental Draft EIS. The alternatives in the original Draft EIR/EIS remain the same, and they are still part of the required range of alternatives to be considered in the Recirculated draft. Additional alternatives are presented in the Partially Recirculated Draft EIR/Supplemental Draft EIS, including Alternative 4A, also known as California WaterFix, which is the new CEQA proposed project. Reclamation and the California Department of Water Resources, the lead agencies on the proposed project, will review the public comments after the public comment period ends August 31, 2015.

6. What habitat restoration efforts will be included as part of the mitigation for California WaterFix?

Based on ongoing review of potential construction and operation impacts, mitigation for California WaterFix (Alternative 4A) construction and operation will include about 2,300 acres of habitat restoration and up to 13,300 acres of habitat protection (e.g. conservation easements). This additional acreage will focus primarily on preserving existing cultivated lands that also provide wildlife habitat in the Delta. DWR and Reclamation anticipate that a total of 15,600 acres of habitat restoration and protection will be the maximum amount required for mitigation. Final determinations will be based on actual project impacts and consultation with fish and wildlife agencies. All habitat restoration and protection costs for California WaterFix (Alternative 4A) will be paid for exclusively by water agencies benefiting from the project.

7. How will California EcoRestore be funded?

Separate from California WaterFix and in part pursuant to existing regulatory responsibilities, California EcoRestore aims to break ground on – and in some cases complete – at least 30,000 acres of habitat restoration in the next four years. Over this time period, we expect costs to reach at least \$300 million. Much of that will be borne by the public water agencies that buy water from the SWP, operated by the California Department of Water Resources, and the CVP, operated by the U.S. Bureau of Reclamation. The public agencies that take delivery of water from those two Delta-based projects are responsible for creation of 25,000 acres of various kinds of habitat deemed beneficial to threatened and endangered native fish.

Roughly \$130 million from the state and federal water project contractors will be needed to get moving on restoration in the next three or four years. Completion of all these projects may add significantly to the estimated cost. The total obligation of state and federal water project contractors will be what is needed to finish these projects and meet their regulatory obligations.

Other funds to accomplish the California EcoRestore goals may be available through Proposition 1, a \$7.5 billion water bond approved by state voters in November 2014, and the AB 32 Greenhouse Gas Reduction Fund. Local and federal partners may contribute, too.

8. How will this change affect the overall cost of the preferred water conveyance project?

The estimated \$15 billion cost of the new intakes, pipelines, operation, maintenance and mitigation will not change. All of those costs will be borne by the public water agencies that depend upon the SWP and CVP.

9. Why can't California just reduce the amount of water it diverts from the Delta?

California must continue its substantial investments in local and regional projects that involve conservation, recycling, stormwater capture, new connections among suppliers, and other ways to improve the efficiency with which we use water and build drought resilience. All of these actions have gained us at least two million acre-feet in additional supply in the last 20 years, and that effort will continue under the Governor's comprehensive California Water Action Plan: [http://resources.ca.gov/docs/california_water_action_plan/Final California Water Action Plan.pdf](http://resources.ca.gov/docs/california_water_action_plan/Final_California_Water_Action_Plan.pdf).

Keeping pace with rising demand and creating a buffer of supply to cope with the vagaries of climate change will require steady progress on using water more efficiently, shoring up the reliability of existing supplies, and using new techniques to expand supplies. To also replace water supply lost as Delta deliveries decline would significantly increase costs and leave local water districts vulnerable to shortages. Desalination and water recycling projects, for example, are more expensive per acre-foot than California WaterFix and take considerable time for planning, permitting, and implementation.

10. How was the capacity of California WaterFix chosen?

A facility capable of diverting up to 9,000 cubic feet per second of water from the Sacramento River provides the greatest complement to local water supply projects because it is the only project that can take full advantage of water that is available in wet and above-normal years

A 9,000-cfs facility includes the following benefits:

- Reduce south Delta reverse river flows and minimize entrainment of fish that spawn in or migrate through the Delta;
- Enhance ability to store surplus outflows and reduce diversions during periods when fish are vulnerable;
- Improve drinking water quality and ability of local water districts to meet public health standards;
- Support efforts to expand groundwater recharge and recycling to help meet California's new mandate to bring groundwater basins into sustainable patterns of pumping and recharge; and
- Enhance seismic protection with ability to provide a base supply while Delta levees are repaired.

Furthermore, operational redundancy through two pipelines is important during outage scenarios, such as periodic maintenance or a catastrophic event like an earthquake. In addition, a single bore tunnel would require a tunnel size of 60 feet or more. A tunnel this large would set an engineering precedent. It would also increase overall project risk due to increased equipment needs (more tunnel boring machines, etc.), potential leaks, added ground pressure, and engineering uncertainties that would need to be tested.

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Item No. 1
May 2, 2017

To: Board of Directors
From: Thomas A. Love, P.E. – General Manager
Subject: **Resolution No. 736 Supporting ACWA's policy statement on Bay-Delta flow requirements**

ACTION ITEM:

1. **Resolution No. 736** – Consideration and motion to adopt Resolution No. 736 in support of ACWA's policy statement on Bay-Delta flow requirements.

BACKGROUND:

At a recent meeting, Mr. Love reported that he and Mr. Mitchell had met with Tim Quinn, Executive Director of ACWA and discussed various topics related to water issues and various pieces of legislation that are being considered at the state capitol. Mr. Quinn encouraged the District to be more involved in our Region 8 activities and encouraged the Board to voice their opinions through resolutions of support or opposition to legislation that will benefit or harm the water community.

Staff recently received an email from Mr. Quinn (copy attached) saying that ACWA's Board of Directors has adopted a strong policy statement urging the State Water Resources Control Board to set aside its problematic "unimpaired flow" approach to setting new water quality objectives in the Bay-Delta watershed.

The statement, adopted in a special meeting by conference call on March 10, calls on the State Water Resources Control Board to heed Gov. Jerry Brown's call for negotiated agreements, which have proven successful in achieving positive ecological outcomes while maintaining water supply reliability. ACWA believes the state's policy on flows should embrace a collaborative, comprehensive approach that protects and promotes both water supply reliability and ecosystem health.

Staff has prepared Resolution No. 736 in support of ACWA's policy statement on Bay-Delta flow requirements and encourages the Board to adopt it tonight and direct staff to send a copy to ACWA as requested.

Recommendation

It is staff recommendation that the Board adopts Resolution No. 736 in support of ACWA's policy statement on Bay-Delta flow requirements and direct to staff to send a copy to ACWA.

Prepared by:

Submitted by:



Ron L. Mitchell, Secretary-Treasurer

Thomas A. Love, General Manager

From: [Thomas Love](#)
To: [Ron Mitchell](#)
Cc: [Christy Scott](#)
Subject: FW: ACWA Seeking Resolutions of Support
Date: Tuesday, April 18, 2017 9:33:07 AM
Attachments: [image001.png](#)
[image002.png](#)

Ron, Please add this to the next Board agenda.

Tom

From: Timothy Quinn [mailto:Tim.Quinn@acwa.com]
Sent: Tuesday, April 04, 2017 11:10 AM
Cc: Rebecca Franklin <RebeccaF@acwa.com>; Cindy Tuck <CindyT@acwa.com>; Tim Quinn <TimQ@acwa.com>
Subject: ACWA Seeking Resolutions of Support

ACWA Members:

ACWA's Board of Directors has adopted a strong policy statement urging the State Water Resources Control Board to set aside its problematic "unimpaired flow" approach to setting new water quality objectives in the Bay-Delta watershed.

The statement, adopted in a special meeting by conference call on March 10, calls on the State Water Board to heed Gov. Jerry Brown's call for negotiated agreements, which have proven successful in achieving positive ecological outcomes while maintaining water supply reliability. ACWA believes the state's policy on flows should embrace a collaborative, comprehensive approach that protects and promotes both water supply reliability and ecosystem health.

The State Water Board staff proposal to base new water quality objectives on a "percentage of unimpaired flow" could lead to widespread fallowing of agricultural land and negatively affect water reliability for much of the state's population. The singular focus on unimpaired flow is incompatible with the state's policy of coequal goals and other broader policy commitments in the Brown Administration's California Water Action Plan.

You can read ACWA's Policy Statement on Bay-Delta Flows [here](#).

To demonstrate the broadest support possible for ACWA's policy statement on Bay-Delta Flows Requirements, ACWA is requesting its member agencies take the following steps:

1. Adopt a Resolution

Adopt a resolution in support of ACWA's policy statement on Bay-Delta flow requirements. A sample resolution is available [here](#). Actions other than resolutions that indicate support by your agency's board of directors are also welcome.

2. Email a Copy of Resolution to ACWA

Email a copy of your agency's approved resolution or other action to ACWA Region & Member Services Specialist Ana Javaid at anaj@acwa.com.

Questions about the policy statement may be directed to ACWA Senior Regulatory Advocate Rebecca Franklin at rebeccaf@acwa.com.

Questions about resolutions of support may be directed to ACWA Senior Regional Affairs Representative Brandon Ida at brandoni@acwa.com.

For more information please visit acwa.com.

Tim Quinn

Executive Director

Association of California Water Agencies

916.441.4545 | TimQ@acwa.com | www.acwa.com





ACWA POLICY STATEMENT ON BAY-DELTA FLOW REQUIREMENTS

COLLABORATIVE APPROACH IS KEY TO CALIFORNIA'S FUTURE

California is facing a defining moment in water policy. A staff proposal under consideration by the State Water Resources Control Board presents a decision point about the future we want for California and its communities, farms, businesses and ecosystems. The State Water Board's staff proposal to base new water quality objectives on a "percentage of unimpaired flow" would have impacts that ripple far beyond water for fish.

The proposal could lead to widespread fallowing of agricultural land, undercut the state's groundwater sustainability goals, cripple implementation of the Brown Administration's California Water Action Plan, negatively affect water reliability for much of the state's population and impact access to surface water for some disadvantaged communities that do not have safe drinking water. These effects are not in the public's interest.

Local water managers overwhelmingly believe the proposal's singular focus on "unimpaired flow" is the wrong choice for the state's future. California's urban and agricultural water managers are united in their vision for a future that includes a healthy economy as well as healthy ecosystems and fish populations. That vision is best achieved through comprehensive, collaborative approaches that include "functional" flows as well as non-flow solutions that contribute real benefits to ecosystem recovery.

On behalf of its more than 430 member public agencies serving urban and agricultural customers throughout the state, the Association of California Water Agencies (ACWA) adopts the following policy statement regarding the State Water Board's proposed approach to updating the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta.

LOCAL SUCCESS STORIES

Collaborative efforts have been successful on many rivers in the Bay-Delta watershed.

Lower Yuba River: A voluntary, collaborative settlement among Yuba County Water Agency, California Department of Fish and Wildlife, National Marine Fisheries Service, PG&E and conservation groups resolved 20 years of controversy and resulted in a continuing program to improve 24 miles of salmon and steelhead habitat while protecting water rights and the needs of local communities. State Water Board members have specifically recognized the value of the agreement, which was formally implemented in 2008.

Lower American River: A broad representation of water suppliers, environmental groups, local governments and others negotiated an historic agreement that led to a flow management standard that was successfully incorporated into a 2009 biological opinion issued by the National Marine Fisheries Service.

Feather River: Six years of negotiations among water users, fisheries agencies and environmental groups yielded a comprehensive agreement that includes a habitat improvement program with specific flow and temperature requirements to accommodate spawning salmon and steelhead. The State Water Board adopted the agreement, with some modification, in 2010 as a water quality certification under the federal Clean Water Act.

CHOOSING OUR VISION FOR CALIFORNIA'S WATER FUTURE

Since 2009, state law has required water resources to be managed in a way that achieves the coequal goals of improving water supply reliability for California and protecting, restoring and enhancing the Delta ecosystem. ACWA and its public water agency members believe that policy requires a commitment from state agencies and stakeholders to advance both water supply and environmental goals together. ACWA and its members further believe that effective implementation of the coequal goals requires transparent, collaborative processes and comprehensive solutions.

In 2014, the Brown Administration released its California Water Action Plan outlining priority actions addressing water-use efficiency, groundwater sustainability, ecological restoration, Delta conveyance solutions, water storage, safe drinking water and more. Embedded in the plan is the Brown Administration's commitment that planned actions "will move California toward more sustainable water management *by providing a more reliable water supply for our farms and communities*, restoring important wildlife habitat and species, and helping the state's water systems and environment become more resilient."

ACWA believes the policy of coequal goals and the commitment embedded in the California Water Action Plan have the potential to put California on a path that includes a vibrant agricultural and urban economy and a healthy ecosystem.

ACWA and its members believe the unimpaired flow approach proposed by State Water Board staff undercuts and threatens that potential and cannot lead us to the future we want for California. Simply put, any strategy that would result in vast amounts of agricultural land going out of production and ultimately reduce water supply reliability for the majority of Californians is irreconcilable with a policy of coequal goals and blatantly inconsistent with the water policy objectives of the Brown Administration.

ACWA strongly supports the collaborative approach called for by Governor Jerry Brown to move these important decisions out of adversarial processes and into negotiated, comprehensive agreements. The following principles can assure success in that endeavor.

A BETTER PATH TO THE FUTURE

The State Water Board is responsible for updating the Bay-Delta Plan in a manner that establishes water quality objectives that ensure the reasonable protection of all beneficial uses of water (including domestic, municipal, agricultural and industrial supply; power generation; recreation; aesthetic enjoyment; navigation; and preservation and enhancement of fish, wildlife, and other aquatic resources) while considering past, present and probable future beneficial uses, environmental characteristics, water quality conditions and economic considerations, among other things. (See California Water Code Section 13241.) It also has a responsibility to update the plan in a way that is consistent with the coequal goals and respects and implements the commitments made in the California Water Action Plan.

ACWA and its members urge the State Water Board to set aside the unimpaired flow approach and heed Governor Brown's call for negotiated agreements. ACWA believes that a successful flows policy must be consistent with the following principles:

- **Collaboration:** The governor has called for work on a comprehensive agreement on environmental flows in both the San Joaquin and Sacramento River basins. He has asked that State Water Board members and staff prioritize analysis and implementation of voluntary agreements. Further, the Brown Administration committed in the California Water Action Plan that the State Water Board and the California Natural Resources Agency will work with stakeholders to encourage negotiated implementation of protective Delta standards. ACWA strongly supports the collaborative approach called for by the governor because it is the least contentious, most effective way to achieve the coequal goals. Negotiated agreements have been demonstrably successful at achieving outcomes and widespread support for appropriate environmental flows; forced

regulations have not yielded the same track record. The State Water Board should wholly embrace this approach and allow enough time for it to work.

- **Comprehensive Solutions:** A successful collaborative approach will require comprehensive solutions for both water supply and ecosystem management. Water users will need to continue and build on their commitment to integrated resources management in order to maintain reliability without undue impacts on the ecosystem. Similarly, ecosystem managers will need to focus on the entire life cycle of affected species and multiple variables, such as predation, food, and habitat availability to develop integrated management portfolios that accomplish ecosystem goals without undue impacts on water supply. Utilizing the single variable proposed in the "percentage of unimpaired flow" approach will not achieve the desired ecological outcomes and is, by far, the most destructive policy approach from the perspective of protecting and improving water supply. ACWA firmly believes the ecological outcomes can be achieved with even better results through a comprehensive approach that considers multiple solutions and benefits.
- **Science:** The State Water Board needs to incorporate the best available science to inform its work and assist with the development of voluntary settlement agreements. The unimpaired flow approach, in which flow objectives are not tied to any specific ecological outcome, fails to incorporate the best available science. As noted above, the updated plan needs to focus on the entire life cycle of affected species and multiple variables, such as predation, food, and habitat availability, and incorporate relevant current scientific information. Science alone cannot identify the best policy choice, but it can inform us about the policy tradeoffs we confront and help structure integrated solutions that provide ecosystem benefits with far less impact on water supply, the California economy and the public interest.



FUNCTIONAL FLOWS: A BETTER APPROACH

Sacramento Valley: Sacramento Valley water users and conservation partners are working together to advance a new generation of innovative projects to promote salmon recovery.

Over the past two and a half years, 12 projects have been completed through the Sacramento Valley Salmon Recovery Program to address fish passage, improve the timing of flows and increase habitat for salmon and other species. Priority projects have included removal of structural barriers to fish passage, modifying riffles, eliminating predator habitat, restoring floodplains and creating side channel spawning and rearing areas.

In addition, program partners are exploring creative ways to reconnect water with the land in floodplains and agricultural areas to enhance habitat and food production and create rearing habitat in rice fields.

While each of these collaborative projects provides independent value, implementation of the entire comprehensive suite is generating unique benefits that can significantly improve ecological outcomes for salmon in the Sacramento Valley.

Merced River: Merced Irrigation District has spent millions of dollars and decades undertaking intense and in-depth scientific research on the Merced River. This research has included analysis of flows, temperatures, biological resources and habitat. MID is poised to put this research into action through its Merced S.A.F.E. Plan (Salmon, Agriculture, Flows, and Environment) to provide certainty for both the environment and local water supply in Eastern Merced County.

The plan would provide increased flows using science to dictate the amounts and timing, restore critical sections of habitat for spawning and rearing juvenile salmon, protect local drinking water quality, upgrade an existing salmon hatchery with state-of-the-art facilities and reduce predation.

Based on in-depth science and technologically advanced computer modeling, MID seeks to take immediate action and dramatically benefit salmon on the Merced River.

- **Functional Flows:** Science shows that functional flows have very promising benefits for fish as well agricultural and urban water users. Timed and tailored for specific purposes, functional flows can benefit species in ways that unimpaired flow requirements cannot. Examples abound of collaborative, innovative projects currently underway by local water agencies and stakeholders that include functional flows and non-flow solutions that reconnect land and water to restore habitat and address the full life cycle of species needs. These efforts contribute real benefits to ecosystem recovery while maintaining water supply reliability.
- **Economic Considerations:** The State Water Board has a statutory obligation to consider economic impacts when establishing water quality objectives that reasonably protect all beneficial uses of water. Having a robust economic analysis is critical. The board also has a policy obligation under the coequal goals to ensure its actions related to a revised Bay-Delta Plan increase water supply reliability and thereby allow for a healthy, growing agricultural and urban economy in California.
- **Consistency with State Policy:** ACWA urges the State Water Board to heed the governor's direction and recognize that achieving the coequal goals will lead to a more reliable water supply and healthy ecosystem. Pursuing the coequal goals should be a guiding principle for the board's decisions related to adopting a revised Bay-Delta Plan. The State Water Board also should ensure that its decisions on the Bay-Delta Plan enable, rather than obstruct, the implementation of the California Water Action Plan.
- **Leadership:** The best policy choice will come through the give and take of the negotiating process and the enlightened leadership of the State Water Board members. Ultimately, the board must establish water quality objectives that ensure the reasonable protection of all beneficial uses of water as it implements negotiated solutions. The State Water Board should actively engage in this work and lead in a manner that is grounded in an awareness of how its actions can affect the implementation of the California Water Action Plan and the achievement of the coequal goals.

ACWA and its members have taken a strong policy position in support of comprehensive solutions such as those outlined in the California Water Action Plan. We stand ready to work with the Brown Administration to pursue the collaborative and comprehensive approaches needed to ensure a future for California that includes a vibrant agricultural and urban economy and a healthy ecosystem.

RESOLUTION NO. 736

**RESOLUTION OF THE BOARD OF DIRECTORS OF
CRESCENTA VALLEY WATER DISTRICT
SUPPORTING THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
POLICY STATEMENT ON BAY-DELTA FLOW REQUIREMENTS**

WHEREAS, California is facing a defining moment in water policy that will be substantially impacted by the State Water Resources Control Board's approach to water quality objectives under the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta; and

WHEREAS, the State Water Resources Control Board has the responsibility for updating the Bay-Delta Plan in a manner that establishes water quality objectives that ensure the reasonable protection of all beneficial uses of water in a way that is consistent with the coequal goals of improving water supply reliability and protecting, restoring and enhancing the Delta ecosystem and with respect to the commitments made in the California Water Action Plan; and

WHEREAS, the State Water Resources Control Board staff's current proposal, which focuses singularly on an "unimpaired flow" approach, is irreconcilable with a policy of coequal goals of improving both water supply reliability and ecosystem health; it is also inconsistent with the broader water policy objectives of the Brown Administration; and

WHEREAS, the ACWA Board of Directors has unanimously adopted a strong policy statement that calls for a better approach that can more effectively achieve ecological objectives while maintaining water supply reliability. The statement calls on the State Water Resources Control Board to set aside its "unimpaired flow" approach and heed Governor Brown's call for negotiated agreements, which have been successful on many rivers and tributaries in California; and

WHEREAS, the ACWA statement notes that to be successful, the state's flow policy must be consistent with the principles of collaboration, comprehensive solutions, science, functional flows, economic considerations, consistency with state policy, and leadership; and

WHEREAS, California's local urban and agricultural water managers are united in their vision for a future that includes a vibrant California economy as well as healthy ecosystems and fish populations, and believe that vision is best achieved through comprehensive, collaborative approaches;

NOW THEREFORE, BE IT RESOLVED that the Board of Directors of Crescenta Valley Water District hereby supports ACWA's Policy Statement on Bay-Delta Flows and encourages the State Water Resources Control Board to embrace the approach articulated in ACWA's policy statement.

PASSED, APPROVED AND ADOPTED at a Regular Meeting of the Board of Directors of Crescenta Valley Water District held on May 2, 2017, Resolution No. 736 was adopted by the following vote:

AYES:

NOES:

ABSENT:

James Bodnar
President, Board of Directors
Crescenta Valley Water District

ATTEST:

Ron Mitchell
Secretary of the Board of Directors

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

I, RON MITCHELL, Secretary of the Crescenta Valley Water District, DO
HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No.
736 of the Board of Directors of Crescenta Valley Water District adopted at a Regular
Meeting held on May 2, 2017, and that the same has not been amended or repealed.

Secretary of the Board of Directors of
Crescenta Valley Water District

DATED: May 2, 2017

(S E A L)

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 3
May 2, 2017

To: Honorable President and Members of the Board of Directors
From: Mark E. Hass – IT Manager
Subject: **Award of Contract** - SCADA Information and Control Systems Replacement, Project E-939A

ACTION ITEM: SCADA Information and Control Systems Replacement, Project E-939A Consideration and motion to authorize the General Manager to enter into an agreement with Wonderware California to provide a SCADA information and control systems stabilization at a cost of \$153,885 and establish a contingency of \$15,389 (10% of the contract amount) for unforeseen work.

PROJECT DESCRIPTION:

CVWD staff has engineered a life cycle replacement of SCADA (Supervisory Control and Data Acquisition), including software, historical databases, alarms and IT related hardware. This project will upgrade critical components that have no simple recovery path if a hardware or software failure were to occur at this time. This project stabilizes the platform by modernizing the software and hardware allowing staff to apply protection policies for disaster recovery. Project E-939-A is the smaller portion of the master project E-939 which is total replacement of field and control assets due to end of useful life. This sub project of E-939 relieves a portion of the estimated cost of \$800k. E-939-A stabilization will allow staff to defer the larger portion of master E-939 to a point in the future where the overall water CIP budget can include the expense of the complete replacement. The staff has confidence based on current vendor support that the remaining components in the SCADA/Telemetry system are supportable for the next three years without risk to operations if need be.

DISCUSSION:

The District's operations are core to our mission. The staff members that perform these direct operating duties and support departments like Engineering, rely on stable, accurate and consistent tools that are contained within the SCADA platforms. Real-time monitoring and control, alarms and their set points, notification and complete and historical data sets are what allow a small staff to perform their duties. E-939-A provides rejuvenation for these platforms and the back office equipment associated with them.

The current status of the systems included in this project is aged, outdated and hard to support. Disaster recovery protection is limited due to their age. The period that operations staff would have to perform their duties "in hand" or manually could vary from days to several weeks depending on the nature of the event and vendor availability. Once completed, this project will allow staff to quickly recover from loss events ranging from hard loss, software corruption or even facility loss.

The systems included in this platform upgrade are:

- Physical servers and workstations and their associated operating systems
- Wonderware InTouch software (development platform for HMI and controls)
- Wonderware Historian (real-time and historical database)
- Dream Reports (analytics and report writing interface)
- Win911 PRO (replaces legacy "SCADA Alarm" for interaction with staff 24/7)
- Microsoft Windows RDS servers (Management and Engineering passive access)

All systems will emerge from this project with service agreements that can be exercised by staff, future vendors, or the manufacturer.

E-939-A components track with the expected specifications of the larger "full replacement" master CIP E-939. All systems contained within this specification will be leveraged as the other phase E-939-B to minimize total costs regardless of when budgets allow completion.

RECOMMENDATION:

It is staff's recommendation to award the contract for the subject project to Wonderware California at a cost of \$153,885 and establish a contingency of \$15,389 (10% of contract amount) for unforeseen work.

ENVIRONMENTAL REVIEW:

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

FUNDING AVAILABILITY:

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

Account Description	Amount
FY 16/17 Water CIP– Technology	\$200,000
Wonderware California Cost	<\$153,885>
Unforeseen or additional work during project (10% of project)	<\$15,389>
Additional costs outside award such as third party support, misc. hardware, customization of upgraded systems	<\$14,000>
Total Cost Estimate	<\$183.274>
Amount Remaining in Water CIP – Technology FY 2016/17	\$16,726

Prepared by:

Submitted by:

Mark E. Hass
Information Technology Manager

Thomas Love
General Manager

Attachments:

1. Quote from Wonderware California
2. Wonderware exhibit
3. Win911 exhibit
4. Dream Report exhibit



126 Mill Street
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(866) WONDER N
(866) 966-3376

QUOTE 178294.6

CRESVA

Wonderware Upgrades

04/12/2017

Direct Opp
Revision Delivered

Attn: Mark Hass
Crescenta Valley Water District

main () -

From: Tony Vasco

tony.vasco@eandm.com

direct (707) 473-3102

main (866) 966-3376

fax (707) 473-3190

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3730 GLENWOOD AVE
VERDUGO CITY, CA 91046

Bill To: Crescenta Valley Water District
3730 Glenwood Ave

Thank you for the opportunity to offer you this quote!

Site ID: 113295 - Crescenta Valley Water District, 2700 Foothill Blvd, La Crescenta California 91214

*Quote reflects that SCADAAlarm Licenses 777792-93 will be deactivated.

Interested in additional training? Please visit our website and view our events schedule at www.california.wonderware.com.

Access the status of your order on our Online Order Status system!! Just click on the link contained in your order confirmation to begin the login process. Once signed up you can access via www.california.wonderware.com.

Functional Upgrades

Quantity	Part Number/Description	Availability*	Price	Extension
1	01-3514T Upg Lic #s 405889 - InTouch 2014R2 Runtime 60K Tag without I/O RDS Conc	1 Estimated 1-2 Weeks	\$2,564.00 └ Price Reflects Trade-In-Credit of \$3,546.00	\$2,564.00
2	01-3514TP Upg Lic #953315-16 - InTouch 2014R2 Runtime 60K Tag without I/O RDS Conc	2 Estimated 1-2 Weeks	\$2,564.00 └ Price Reflects Trade-In-Credit of \$3,546.00	\$5,128.00
1	01-3455 Upg Lic #1619740 - InTouch 2014R2 Runtime 60K Tag with I/O	1 Estimated 1-2 Weeks	\$3,090.00 └ Price Reflects Trade-In-Credit of \$2,820.00	\$3,090.00
Sub-Total				\$10,782.00

PO Number:
Duration: This quote is valid for 30 days. **FOB:** Healdsburg, CA
Freight: Prepaid and Add
Terms:
Pages: 1 of 8

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Version Upgrades

** Wonderware provides customers with a 25% discount on upgrades when purchased with a year of Customer Support. If you do not intend to purchase support with upgrades, then please contact Wonderware California/ EandM for updated pricing on the version upgrades.

Quantity	Part Number/Description	Availability*	Price	Extension
1	12-12506 Upg Lic #405727, Wonderware Historian 2014R2 Standard, 25,000 Tag	1 Estimated 1-2 Weeks	\$12,785.00	\$12,785.00
1	12-12391T Upg Lic #405726, Development Studio 2014R2 Unlimited, Unlim/60K/500 RDS	1 Estimated 1-2 Weeks	\$4,700.00	\$4,700.00
1	12-12300 Upg Lic #778864, WW Historian Client 2014R2 Per Device	1 Estimated 1-2 Weeks	\$320.00	\$320.00
5	12-12890 Upg Lic #s778865, 953311-14, WW CAL with MS SQL CAL Runtime, Single, SQL 2014 Std	5 Estimated 1-2 Weeks	\$270.00	\$1,350.00
1	12-12318 Upg Lic #973277, WW Historian Client 2014R2 Per Server Conc	1 Estimated 1-2 Weeks	\$585.00	\$585.00

Sub-Total \$19,740.00

New Licenses

Please note that Dream Report part numbers that start with "DRW" are for creating reports from Wonderware data sources ONLY (ie. InTouch .lgh files, Wonderware Historian). If you will be using any non-Wonderware data source such as a SQL or Access Database, or Manual Data Entry using the Dream Report Web Portal, please contact Wonderware California for a revised quote.

Quantity	Part Number/Description	Availability*	Price	Extension
1	01-3514TP InTouch 2014R2 Runtime 60K Tag without I/O RDS Conc	1 Estimated 1-2 Weeks	\$6,110.00	\$6,110.00
1	01-3455 InTouch 2014R2 Runtime 60K Tag with I/O	1 Estimated 1-2 Weeks	\$5,910.00	\$5,910.00
5	17-1384 WW Historian Client 2014R2 Per Server Conc	5 Estimated 1-2 Weeks	\$1,550.00	\$7,750.00

Sub-Total \$19,770.00

PO Number:

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Reporting

Quantity	Part Number/Description	Availability*	Price	Extension
3	17-7006 Historian InSight Named User-Perpetual	3 Estimated 1-2 Weeks	\$750.00	\$2,250.00
1	DRW-1000-47 Dream Report for Wonderware, 1000 Tags, v4.7	1 Estimated 1-2 Weeks	\$6,000.00	\$6,000.00
1	DRW-WEB-2-47 Dream Report for Wonderware Web Client, 2 Concurrent, v4.7	1 Estimated 1-2 Weeks	\$800.00	\$800.00
1	CF-DR Customer First for Dream Report - 2 Year Term	1 Estimated 1-2 Weeks	\$2,608.00	\$2,608.00
			Sub-Total	\$11,658.00

Customer First Support - Standard

Included with Wonderware Standard Customer First Program are the following services:

- No Charge for Version Upgrades
- Get Your Tech Support Questions Answered for FREE (M-F, 8:00am - 5:00pm PST)
- Access to the Wonderware Global Customer Support Website Access: Search for answers to your questions and log and track cases
- Customer Support Shipments Including New Releases of Software, maintenance releases, Service Packs, and Patches, updates and hotfixes
- Online Training Webinars: Access to library of eLearning webinars

Please note: Customer first support contracts START from the date of license issue and are due for renewal two (2) years after date of contract inception. Support is calculated based on the list price of all licenses at the site.

Quantity	Part Number/Description	Availability*	Price	Extension
1	10-7001 Wonderware Customer First - Standard Level **2 Year Term - Year starts at date of license issue**	1 Estimated 1-2 Weeks	\$25,250.00	\$25,250.00

PO Number:

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Win-911 Pro

WIN-911 offers support for FREE, for the 6 months once a license has been activated, as part of the purchase price of the licenses. The Extended Maintenance has been prorated for an additional 18 months for a total of 2 years.

Software Maintenance and Support for WIN-911 covers the following: Allows free version upgrades, live technical support and new product or option notification for WIN-911.

Quantity	Part Number/Description	Availability*	Price	Extension
1	WIN-911/PRO WIN-911 Alarm Software for Telephony, E-mail, Paging & 2-way SMS. Includes XTools and first 6 months Software Maintenance and S	1 Estimated 1-2 Weeks	\$2,695.00	\$2,695.00
1	WIN-911/PRO-HB WIN-911/PRO HOT BACKUP (for Redundant Applications). Must be purchased with primary WIN-911/PRO or WIN-911/PRO-PV system. Note:	1 Estimated 1-2 Weeks	\$2,025.00	\$2,025.00
1	WIN-911-MAINT-EXTEND Additional 18 Months-Software Maintenance & Support for WIN-911. Version upgrades, tech support, & more for WIN-911.	1 Estimated 1-2 Weeks	\$742.50	\$742.50
			<u>Sub-Total</u>	<u>\$5,462.50</u>

PO Number:
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Apex Services - Offsite Project Management

General Project Notes & Scope include:

- Migrate existing InTouch application
- Modernize the existing InTouch application
- Validate operation of modernized InTouch graphics (~135 screens)
- Migrate Historian and existing legacy data blocks
- Commission newly upgraded InTouch (x2 thick clients) and Historian
- Validate communication to RTUs via existing OPC Server
- Validate function of existing Excel reports with upgraded version of InTouch
- Setup and configure redundant Win 911 alarm annunciation

Assumptions:

? Wonderware California (or others) will be:

- o Providing new Server hardware that is installed, configured and ready for installation of Wonderware InTouch application, Historian, etc.
- o Providing all upgraded Wonderware software licensing and any other peripheral software licensing (e.g. Microsoft Excel) required by the project
- o Providing all required Win911 software licensing and any modems or other hardware required by Win911

? Both InTouch thick clients utilize the same application

? Existing OPC Server Software is compatible with V2014 R2 and it will not require significant reconfiguration in order to function with V2014 R2.

? Existing system infrastructure (e.g. RTUs, radio communications, etc.) are fully operational and will not require modifications or updated configuration related to the upgrade of the Wonderware SCADA system.

? Other specific modifications, enhancements or deliverables have not been defined, and Apex will work at the direction of Wonderware California to achieve as much of the allotted scope as possible within the allotted time.

Quantity	Part Number/Description	Availability*	Price	Extension
8	WW.CA.PROJECTMANAGEMENT Consulting and Auditing is defined as services provided by a senior level employee for the purposes of project management	8 Estimated TBD	\$250.00	\$2,000.00

Apex Services - Offsite System Platform Integration

- o Migration of InTouch App (4 Hrs.)
- o Modernization of InTouch App (20 Hrs.)
- o Migration of Historian & Legacy Data Blocks (8 Hrs.)
- o Initial validation legacy Excel reports (4 Hrs.)
- o Initial Win911 Configuration (8 Hrs.)

Quantity	Part Number/Description	Availability*	Price	Extension
44	WW.CA.REMOTE-SERVICES Remote Services Hourly	44 Estimated TBD	\$195.00	\$8,580.00

Apex Services - Onsite System Platform Integration

Quantity	Part Number/Description	Availability*	Price	Extension
36	WW.CA.ONSITE-SERVICES Onsite Services Hourly	36 Estimated TBD	\$195.00	\$7,020.00

PO Number:

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Pages: 5 of 8

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Apex Services - Travel Expenses

****Please Note**** Travel and Expenses as quoted are only an estimate, actual cost will be bill after services are rendered, and invoiced accordingly.

Quantity	Part Number/Description	Availability*	Price	Extension
1	WW.CA.EXPENSES Expenses *Place Holder* - Actual expenses will be billed once work completed.	1 Estimated TBD	\$4,675.00	\$4,675.00

WWCA IT Services - Hardware and Software Components

*Dell Rack and Tower Servers based upon Project specs

Quantity	Part Number/Description	Availability*	Price	Extension
1	DELL-POWEREDGER630 Hyper-V Host Server: (PowerEdge R630 -DualXeon® E5-2660 v3 2.6GHz10C, 192GB RAM, RAID 6, (8) 600GB 10K RPM SAS Dual, Hot-plugWindows Server® 2012R2,St	1 Estimated 3-4 Weeks	\$16,955.00	\$16,955.00
2	DELL-PRECISION-T3620 Dell Precision Tower 3620 i7-7700K Windows 10 Pro NVIDIA® Quadro® K420 2GB, 16GB (2X8GB) RAID1,1TBX(2)	2 Estimated 3-4 Weeks	\$1,675.00	\$3,350.00
10	4322535 └ R18-05123 Microsoft Windows Server 2016 - license	10 Estimated 3-4 Weeks	\$50.00	\$500.00

Sub-Total \$20,805.00

WWCA IT Services - Summary of Functional Specification Services

Create a Document and Configuration spreadsheet that will be used to define the Scope of work for the Hardware and software purchased. Document and Spreadsheet will define the configuration for Hyper -V Host and its VM. Software installed on each VM with its Version. Networking Configuration Including Host Networking, Firewall and VPN Configuration information, Router Configuration information and Switch Configuration information. Operation of VMs, Failover and Redundancy (if Any).

Quantity	Part Number/Description	Availability*	Price	Extension
1	WWCA-FUNCTIONAL-SPEC **NOTE: A signed Functional Specification must be signed and returned to Wonderware California before parts can be ordered and work can be performed.	1 Estimated TBD	\$185.00	\$185.00

PO Number:
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WWCA IT Services - Summary of Base Documentation Services

Base Documentation is highly recommended as it provides the basic needs to installing and commissioning the system. Without this documentation it will be the responsibility of the customer to determine the proper cabling for the system. Without this documentation System support for installation and commissioning will be limited.

System Startup Procedures for a Typical Host
System Cabling Diagram for Hosts
System Cabling Diagram for Networking
Quality Assurance Documentation

Quantity	Part Number/Description	Availability*	Price	Extension
1	WWCA-VM-BASE-DOC Hypervisor System Base Documentation	1 Estimated TBD	\$1,000.00	\$1,000.00

WWCA IT Services - Summary of Installation Services

Install and Configure PowerEdge R630 Windows Server 2012R2 Hyper-V
CVWD-WW-HOST01

Install and Configure 5 VMs on Hyper-V Host

VM1: CVWD-WW-HIST01 -WW - Historian
VM2: CVWD-WW-DEV -WW - Development
VM3: CVWD-WW-AOS01 -WW - DA Server
VM4: CVWD-WW-RDS -WW - RDS Server
VM5: CVWD-WW-DC -WW - Domain Controller

Install and Configure 2 Dell Precision Tower 3620

WS01: CVWD-WW-WS01 -WW - InTouch-DAServer-Win911

WS02: CVWD-WW-WS02 -WW - InTouch-DAServer-Win911

***NOTE:WW Norcal IT Services does NOT include any Wonderware application installation, development or Migration services, unless specifically quoted elsewhere

Quantity	Part Number/Description	Availability*	Price	Extension
45	WWCA-SVC-0010 IT Services (Install and Configure Hyper-V Host with 5 VMs)	45 Estimated TBD	\$185.00	\$8,325.00
1	WWCA-CONFIG-SHEET Completed WWCA Configuration Sheet is required w/ purchase of WWCA IT Services	1 Estimated TBD	\$0.00	\$0.00

Sub-Total \$8,325.00

Base Quotation Pricing Summary

Taxable: \$112,967.50
Non-Taxable: \$32,285.00

Availability:

- Part availability is subject to change and is based on the availability at the time this quote was created.
- Time in transit is subject to change depending on the "Ship To" address that is provided by the customer at the time the order is placed and the method in which customer requests that the part(s) ship.
- For "In Stock" parts, orders must be received by 3:00PM PST to ship same day.
- For Factory Stock parts, please allow approximately one week for delivery via our standard shipping methods.

Subtotal: \$145,252.50
Tax (8.75%): \$8,633.38
Freight: TBD
TOTAL: **\$153,885.88**

PO Number:

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Optional Items Not Included in Base Quotation

WWCA IT Services - Summary of Optional Documentation Services

Optional Documentation details the Specifics of the configuration that was done to your specific hardware. It would allow you to recreate any of the installed systems. Help provide basic operational guidance and document everything that was done for your system. Without this documentation it will be the responsibility of the customer to educate themselves on the operation of the system. Without this documentation System support will be limited.

Configuration of a Typical Host

Installation and Configuration of a VM into a Host

Quantity	Part Number/Description	Availability*	Price	Extension
40	WWCA-SVC-DOC Optional system installation and configuration documentation	40 Estimated TBD	\$150.00	\$6,000.00

⚠ This line item is not returnable and cannot be cancelled after the order is placed.

PO Number:

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Terms:

Pages: 8 of 8

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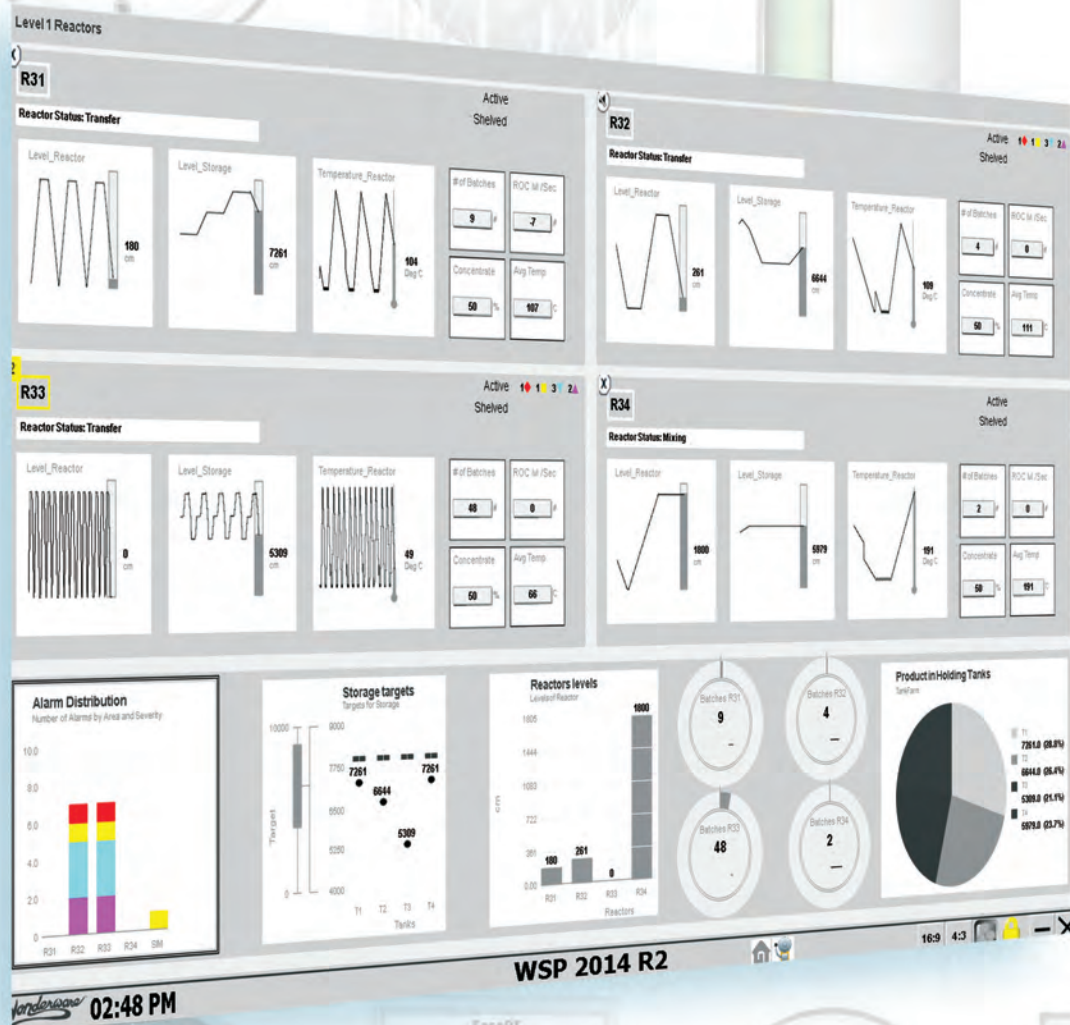
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Wonderware InTouch



The world's favorite HMI
and so much more...

Wonderware[®]
by **Schneider Electric**



“With the new Wonderware system we estimate an average annual return of \$300,000 on the current investment.”

— Ray Gonzales, Long Beach Water Department
Telecommunications Manager



Since 1987, Wonderware® InTouch® has been the world's number one human machine interface (HMI), offering market leading innovation, brilliant graphics, legendary ease of use, unsurpassed connectivity, the industry's best support and the broadest partner ecosystem.

Award winning InTouch software is an open and extensible Supervisory HMI and SCADA solution that enables you to quickly create standardized, reusable visualization applications and then deploy them across your entire enterprise without having to leave your office.

Used in over one-third of the world's industrial facilities, InTouch software continues to deliver business value by helping you:

- Maximize Situational Awareness
- Make Better Decisions
- Drive for Maximum Performance
- Capture Expert Knowledge
- Accelerate Operator Training
- Increase your Agility
- Lower your Costs
- Reduce Risk and Stay Secure
- Securely Access your System from Any Smart Device, Any Time, Anywhere

The World's favorite HMI and so much more...

Wonderware InTouch delivers truly transformational value. By improving real-time visibility into your processes, InTouch greatly improves operator effectiveness and increases control of your processes to simplify and enforce standardization and change management.

InTouch delivers a breakthrough in advanced engineering tools, delivering faster time to value, more effective HMI design, better trouble shooting, and ease of application maintenance. InTouch includes numerous new visual enhancements to improve the ability to identify and address abnormal situations before they impact operations. The powerful tools in InTouch go beyond the simplistic graphics provided by other vendors and enable application builders to focus on creating valuable content and to easily assemble effective HMI applications for simplicity, agility and performance.

While InTouch gives you the most powerful graphics tool available in any HMI, InTouch also makes it unbelievably easy to implement and encourage best practices to bring clarity, consistency and meaning to integrated data. With Wonderware InTouch, both experienced and entry-level operators are more easily able to identify, understand, react to and resolve abnormal situations, which also provides a unique solution to the industry-wide challenge of a retiring workforce.

The world's favorite HMI is also fully mobile - casual and remote web HMI and Mobile SCADA users can now view and control real-time plant floor operations data using a secure web browser from just about any "Smart" device such as tablets and smartphones.

“We did triple the work in one-fourth the time because Wonderware software’s repeatability and deployment of objects makes development easy.”

— Jeromy Peterson,
Chief Operating Officer,
CP Control Technologies



Wonderware
InTouch

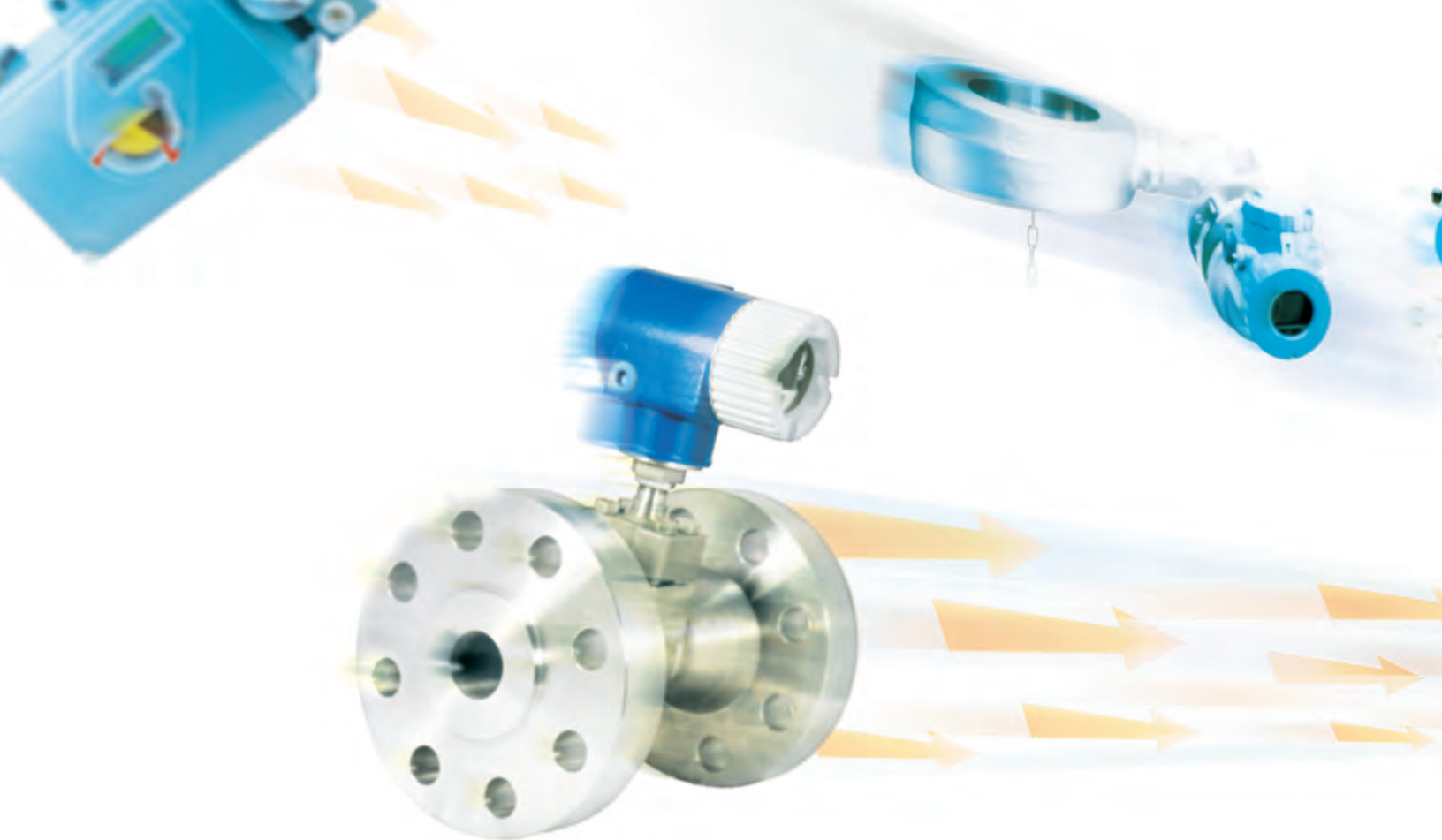
The World's
#1 HMI



Unequaled Investment Protection

Wonderware InTouch helps industrial companies, like yours, become more productive, save money, save time and reduce risk during the entire life of their system. An InTouch application implemented decades ago can still run, unchanged, on the latest InTouch software to give you the benefits of the latest hardware and operating system improvements with no re-engineering costs—no other company can make that claim.





“The biggest challenge was to find a system that was easy to modify, could communicate with all types of equipment and the different manufacturer protocols we had to link together. With Wonderware software’s powerful features and flexible communications capabilities, it proved to be the ideal solution to meet our needs.”

— Mark Osborn, Portland
General Electric Distributed
Resources Manager





InTouch Brings It All Together

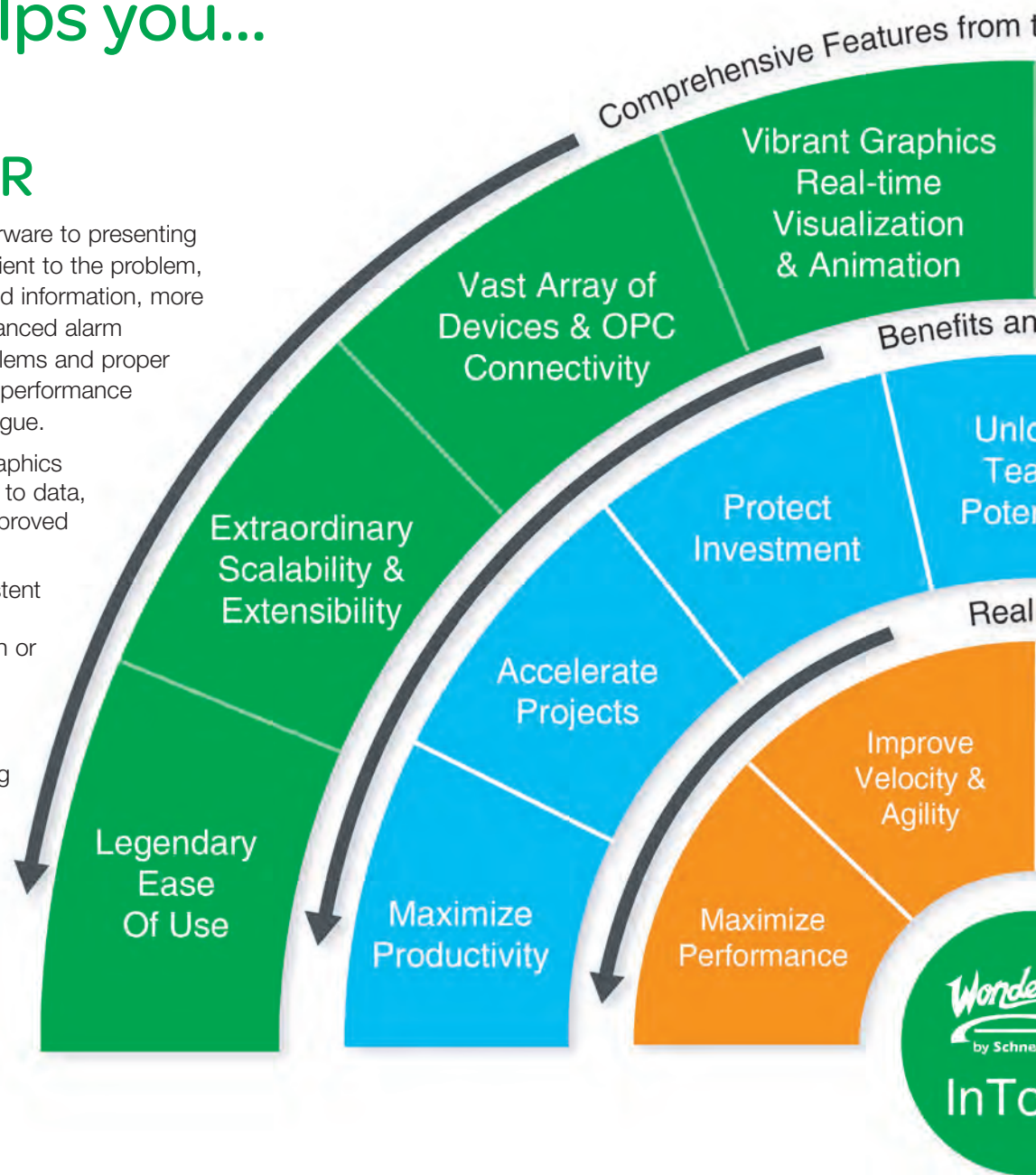
In today's modern industrial facilities there is a myriad of data sources — from field devices, to PLCs to full blown Distributed Control Systems (DCS). InTouch has been the leader in open systems since 1987 and has earned its reputation by connecting to more plant floor devices and systems than anyone. Industrial plants across the globe use InTouch instead of the software provided by their PLC suppliers. InTouch can connect to hundreds of available I/O and OPC servers and the Wonderware DA Server toolkit allows you to easily create specialized data servers if needed. No data is off limits to InTouch.

Whatever you do, InTouch helps you...

...do it BETTER

The superior approach of Wonderware to presenting information means less time to orient to the problem, increased focus on awareness and information, more useful informational displays, advanced alarm aggregation to focus on real problems and proper use of color to enhance operator performance while reducing distraction and fatigue.

- Powerful, intelligent InTouch graphics and faceplates provide context to data, enabling faster analysis and improved operator effectiveness
- Element Styles ensure a consistent HMI look and feel across your organization regardless of when or by whom it was designed.
- Symbol Wizards enable maximum flexibility and standardization while minimizing application assembly and maintenance effort.



...do it SAFER

The unique features of Wonderware InTouch deliver highly contextualized and interpretive visual content and the most effective HMI applications and user interfaces for standardization, consistency, situational awareness and abnormal situation management.

InTouch supports Microsoft integrated security, Active Directory and Smart Card technology. Within regulated and validated industries, InTouch applications help you meet the most stringent security requirements such as FDA 21 CFR Part 11.

InTouch supports the latest Microsoft and VMware virtualization technologies to minimize downtime and keep you in control.

The World's #1 HMI Company

Device Independent
Naming &
Data Handling

and Solutions

ock
m
ntial

Value

Reduce
Risk

ware
ider Electric

InTouch

Templates
with Graphics,
Quality, History
& Security

Improve
Decision
Making

Improve
Security

Reduce
Total Cost of
Ownership

Stay
Compliant

Virtualization &
Remote Desktop
Support

Versatile
multi-user
Development
& Remote
Management

...do it FASTER

The ability to respond quickly to market conditions helps you be more competitive and more profitable. Agility can mean the difference between staying ahead or falling behind. InTouch allows you to quickly switch processes or equipment so you can be ready to seize any market opportunity.

- Standardized, pre-tested graphics and automatic I/O switching allow application changes to be made quickly and safely
- The unique centralized deployment capability of InTouch eliminates the need for someone to go to each facility to update applications
- Operators quickly absorb changes to standardized InTouch applications—helping to reduce operating errors and shorten learning curves

...do it CHEAPER

InTouch saves you travel costs and engineering time by allowing you to build, test and deploy your InTouch applications from a central location. Standardization and reusable design within InTouch improves engineering efficiency, reduces training burden and minimizes the cost of future changes.

InTouch's support of Microsoft Remote Desktop Services and Hyper-V virtualization technologies reduce your hardware costs and improves your system's availability and disaster recovery capabilities.

Your investment in InTouch is also protected; an InTouch application created decades ago still runs on today's InTouch.

Wonderware InTouch is Everywhere

Wonderware InTouch controls over 100,000 plants and factories around the world. InTouch has enabled these plants to achieve world-class performance, reduce costs and maintain product quality. Here are a few examples of the success enjoyed by our customers using InTouch.



New Belgium Brewing

Application: New Belgium Brewing, brewers of Fat Tire ale and the third largest “craft brewery” in the US, undertook a significant project to improve their environmental sustainability.

In this innovative, award winning project, Wonderware InTouch plays a key role in visualizing, optimizing and controlling a wide range of plant operations including the entire wastewater treatment process, biogas production, solar power production and overall energy usage within the plant. Smart Grid is also part of this solution with the brewery able to reduce electrical demand during peak energy demand, benefitting both New Belgium Brewing and the local community.

“Every project that we design, we think of the environment first. That’s where Wonderware was able to offer the additional benefit of managing operations and helping us achieve high levels of sustainability.”

— Igor Valuyev, Chief Electrical and Automations Engineer

Pepsi Bottling Ventures of Garner

Application: Pepsi Bottling Ventures of Garner, North Carolina, produces over 30 million cases per year and is the #1 rated Pepsi bottling plant in North America. Their goal was to improve plant performance and provide greater visibility for plant operations and management. They also wanted to maintain high product quality levels, improve process reliability and reduce their environmental impact. It was also very important that the system they built be scalable.

The solution featured Wonderware InTouch, System Platform and other Wonderware products and was installed on all five lines at the Garner facility. The system quickly provided them with accurate, real-time plant performance data. Besides improving basic operations, they wanted to drive sustainability goals. They recognize that good environmental practice is also good business: the less raw materials they use, the less waste they generate, the less energy they use, the lower their costs.



“We have to make the right decisions everyday because it has a huge impact on our bottom line. Wonderware helps us make those decisions.”

— Scott Jamison,
Vice President of Engineering



Portland General Electric

Application: Portland General Electric supplies electric power to 2 million residents of Portland, Oregon. To ensure that it can provide residents with ample and affordable electrical power, Portland General Electric implemented a demand-response program using Wonderware industrial automation and information software. This system allows Portland General Electric reduce peak loads through automated connection of customer emergency stand by generators to the Portland General Electric grid.



“The Wonderware solution is working great. To my knowledge there are no other utilities in the world that have the ability to start 40 megawatts of paralleled power generation located at numerous customer sites with a single mouse click.”

— Mark Osborn, Distributed Resources Manager



Spokane Water Department

Application: Spokane Water needed to replace their 80's era SCADA system with a modern, scalable and easily modifiable system. After selecting a Wonderware HMI SCADA system featuring InTouch and other Wonderware products, Spokane Water was able to reduce lost water to a very low 6%, enable remote facility monitoring reducing required travel by two thirds. The Wonderware's scalable architecture and object based implementation allows Spokane Water to build and maintain the system using in-house staff. The redundant Wonderware InTouch SCADA solution guarantees uninterrupted 24/7 operations.

“The biggest selling point was the interface (InTouch) between the operator and the system — people who use it actually like it. The real value to us is that we have continuous monitoring and can identify problems more quickly.”

— Mark Cleveland, Operations Supervisor

InTouch Fits Any Situation in Your Facility

Wonderware InTouch can be deployed to meet your specific requirements, from the traditional control room implementation with one or more monitors, to panel displays at an equipment location or manufacturing cell, to even a mobile operator moving through the facility using a tablet or smartphone.

InTouch Access Anywhere is a feature that provides access to InTouch applications via HTML5-compliant web browsers to enable visualization, collaboration and execution at various levels of the organization with zero client installation, zero maintenance and which enables users to securely troubleshoot plant equipment from any location, on any device at any time.

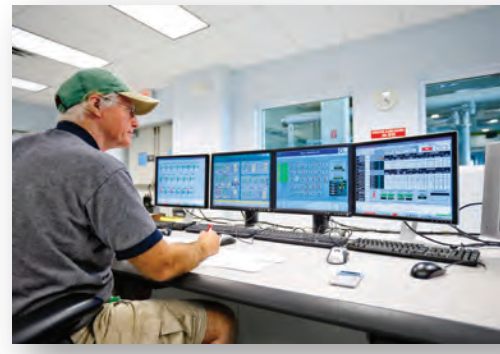
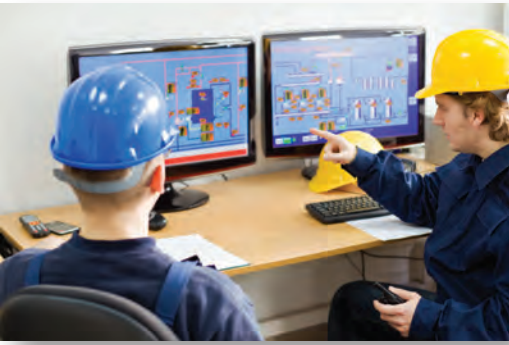
InTouch applications can be deployed remotely — no need to travel to install a new or updated InTouch application. Centralized application management via the Wonderware Integrated Development Environment (IDE), now included with InTouch, makes it easy to keep InTouch applications up-to-date and running trouble-free.

Virtualization is a hot topic today, and can save you a significant amount in convenience and hardware costs. No one in the industry offers more virtualization options than Wonderware, including the latest Microsoft® virtualization technology, Hyper-V and VMware. InTouch leverages Hyper-V and VMware so you can set up redundant HMI applications locally or at a remote site for more cost effective high availability and disaster recovery options.

“I’ve found the Wonderware software to be light years ahead of other software. It was very simple to pick up on the programming. I would say that the Wonderware software has given us a 15 to 20% reduction in our downtime.”

— Jason Gitt,
General Manager,
PVC Compounders





InTouch is Your Real-Time Window into Your Most Critical Processes

How can you make better real-time decisions if you don't have real-time data from your most important production processes? Wonderware InTouch has been helping industrial companies visualize their production processes in real-time since 1987.

Operators use InTouch to visualize and control vital plant processes in real-time.

Managers use InTouch to better understand what is occurring in their plants so they can take action when truly needed.

Engineers and other **technical workers** use InTouch to detect and troubleshoot problems in their processes.

Maintenance personnel can use InTouch to monitor critical equipment and machines that are starting to degrade so they can be better prepared to repair them when needed — reducing unscheduled downtime and maintenance costs.

Plant IT can use InTouch's visualization capabilities to create system diagnostic displays so they can maintain these critical applications more effectively.

Wonderware Delivers So Much More

Wonderware products are a comprehensive set of industrial software solutions that assist you on your path to greater business success. All Wonderware software solutions are tightly integrated to help improve your business today, and expand your operations in the future; so you can start small and grow your business at your own pace with peace of mind that Wonderware solutions will grow with you.

Wonderware InTouch

Wonderware InTouch enables users to quickly and easily create and centrally manage standardized, reusable, industrial applications; maximizing return on engineering, shortening project times, reducing risk and significantly reducing total cost of ownership.

Wonderware System Platform

Wonderware System Platform extends InTouch to provide scalability, redundancy and services for a robust industrial operating system. Wonderware System Platform provides a highly efficient and centralized, industrial software infrastructure that helps drive standards and helps you to develop, manage and maintain your industrial applications with exceptional scalability and openness.

Embedded HMI Software for Smarter Machines

Wonderware InTouch Machine Edition provides the perfect software solution for small footprint devices to meet the demanding requirements of embedded system and panel users, OEM suppliers, value added resellers, machine builders and system builders... all with the award-winning global support capabilities you have come to love and expect from Wonderware.

Wonderware MES

Wonderware Manufacturing Execution Systems (MES) feature a complete set of functional capabilities for consistent and effective execution of operational activities, from product track and trace through work in progress and enterprise integration.

Wonderware InBatch

Wonderware InBatch is a comprehensive batch execution solution that manages and tracks equipment history, material genealogy, stringent security, web-based reporting and the ability to facilitate the design and implementation of systems that are compliant with the ISA S88 batch standard and FDA 21 CFR Part 11 regulations.

Wonderware QI Analyst

Wonderware QI Analyst software is a complete statistical process control (SPC) software solution that provides powerful statistical techniques that empower every member of your team—from operators to quality professionals to decision-makers.

Wonderware Workflow

Wonderware Workflow is an advanced workflow application that enables you to institutionalize work processes within your operational environment, helping you to ensure that standardized work activities are done by the right people, at right time, using the right processes.



What's Behind the World's #1 HMI?

Customer FIRST Program and World-class Customer Support

Our commitment to you doesn't stop at our products. By enrolling in our Customer FIRST program you gain access to a host of support services including our global award winning support organization, the Wonderware Developer Network online support website which contains thousands of support related documents, online help, and 'how to' Tech Notes and Videos, Best Practices, FAQs, and of course our Security Central website with the most current Microsoft security patches and bulletins to enable you to maximize your system security.

Year after year we win awards for our customer service. You can rely on us to help keep your Wonderware products running smoothly and productively.

Saving money is always important and Customer FIRST also helps you save money over the long term with innovative discounts and flexible funding options.

The Industry's Leading Ecosystem

Our worldwide Partner Ecosystem represents thousands of partners all with the goal of helping you succeed. They can help you with InTouch as well as the full breadth of our Enterprise Control offering.

Authorized Distributors – Our distributors combine their knowledge of our products with a clear understanding of your needs to assist you in the selection and purchase of the Wonderware products and related technologies.

System Integrator Partners – Our integrator partners can deliver cost effective solutions using our products, no matter what the industry.

Industry Solution Partners – We work closely with application software providers, OEMs and VARs to offer industry specific solutions.

Partner Products – These complementary products add value to solutions and expand the value to our customers

Learning Services







OCEAN DATA SYSTEMS
The Art of Industrial Intelligence

Dream Report

User Friendly & Programming Free™
Reporting



**Dream Report
Product Overview**

Applications

Compliance Reports

Performance Reports

Quality Reports

Corporate Dashboards

Shift Reports

Batch Reports

Alarm Reports

Maintenance Reports

Efficiency Dashboards

Manual Data Entry

EAM Reports

Resource Reports

Inventory Reports

EPA, FDA Reports

Audit Trails

Enterprise Level Security

Reports as a Service (RaaS)

Time and Event Based Reports

SQL Reporting Interfaces

Historian Report Interfaces

HMI/SCADA Report Interfaces

Real-Time Data Access

Alarm Data Access

History Data Access

Business System Access

Email Delivery

PDF Reports

Excel Reports

Web (HTML5) Reports

FTP Delivery

Version Management



Report Generation and Corporate Dashboards

Turning your raw data into meaningful compliance reports, performance reports, and corporate dashboards has never been easier. Dream Report is a purpose built solution delivering extreme ease of use with features that understand and address the needs of industry. Report generation is now for everyone, not just your IT professional.

“Dream Report is designed for the automation industry by the automation industry. Unlike general purpose business tools, Dream Report is a perfect fit for industrial applications.”

A report generator and dashboard solution for automation needs to deliver all the expected tools of a business intelligence (BI) solution combined with the understanding of automation data sources, and the ability to deliver automation industry specific statistics. In addition, the solution has to be robust and all encompassing, delivering data aggregation from various data sources, automated triggering of reports on any combination of manual, time or event, the generation of information in many forms and the delivery of that information through email, file transfers and a web portal.

Dream Report delivers on all fronts and elegantly addresses the needs of every market, from discrete and hybrid applications to continuous (process) applications.

Typical Applications:

Compliance Reporting – You may have reports that are required by various agencies such as EPA, FDA, EPBD, or have reporting requirements that must meet standards such as 21 CFR Part 11. Dream Report has been designed for these tasks and addresses them elegantly and directly, requiring no complicated configuration or integration.

Performance Reporting – Typically overlooked due to the complexity in setting up a reporting solution, Dream Report’s ease of use and flexibility opens up a whole new world of information generation and delivery. Adding a new report can be a 10 minute effort, without any programming or scripting. Now you can have all the reports you want, and not just the reports that you need for compliance purposes.

Corporate Dashboards and Interactive Operation – Every information management solution should offer a web portal for

information views, manual data management and interactive analysis. Dream Report delivers in this area as well, with a solution that is automatically configured with the press of a button and completely managed for you as you develop your application.

A Solution Designed for Automation Data Sources

Unlike traditional business intelligence solutions, Dream Report understands automation data. Dream Report understands the structures that sources provide, data formats, time formats, alarm and message formats, and intelligently works with them all. It can even write the results back to your automation systems.

Dream Report integrates with every control system through a library of over 65 interfaces including those for proprietary interfaces, industry standards and business (IT) standards. Connectivity typically includes access to Real-time, Alarm and Historic Data.

Dream Report’s architecture supports both local connections and remote connections (connectivity to data sources through secure web services). The latter being delivered with a keen eye toward both high security and maximized system performance. This unique functionality positions Dream Report as an enterprise reporting solution and able to operate in the cloud, delivering reports as a service (RaaS). Again, no custom integration, programming or scripting required.

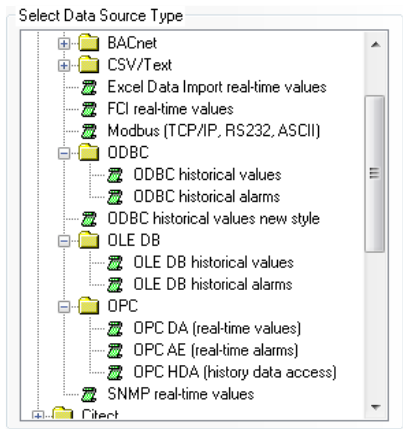
Proprietary Interfaces - Specifically built for a particular product or solution. Examples abound in Dream Report, and you can refer to our driver list for current connectivity.

Industry Standards – These include MODBUS and Open Protocols including OPC DA, OPC AE, and OPC HDA. These standards provide connectivity to any control system from Programmable Logic Controllers (PLCs) to HMI/SCADA and Distributed Control Systems (DCS). If you have a specific connectivity need, contact Ocean Data Systems and we’ll help you select an interface.

Business Standards – Includes the unique ability to automatically read and import Comma Separated Variable (CSV) and Microsoft Excel files. Dream Report will also connect to local or remote Relational Database (RDB) sources through either Open Database Connectivity (ODBC) or OLE-DB. Dream Report understands both Historic Data Logs and Alarm Message Logs.

Once data drivers are in place, Dream Report abstracts all connectivity to Tags, your data names, to represent that stream of

information, enabling you to make selections for your report objects.



Open Standards Interfaces in Dream Report

Security – A Very Important Component of the Solution

Dream Report is a safe and proven solution, having been applied to thousands of applications around the world. Dream Report has been tested and approved by NIST and is listed in the NIST database (NVD.NIST.GOV).

Security and User Authentication:

- Domain Based Security that is role oriented – The right functionality for the logged in user. Security can be node based and Windows Active Directory based.
- Report Template Version Management - Template modifications are archived and managed. Templates may be rolled back to previous versions.
- Report Signing – Reports can be signed and electronically routed. Digital signatures are applied on-line.



e-Signature Example for Report Approval

Manual Data Entry

Not all data is available programmatically. For example, Operator Logs need to be entered and properly integrated with collected data. Manual Data Entry “Selectors” enable operators and authorized users to quickly select variables and enter corresponding results, along with timestamps to match their actual collection times. Worried about getting the data entry right? Automatic Data Validation will apply bounds to manually entered variables, ensuring that a typo doesn’t make it into the record. Manual Data Entry can be human audited, validated, and corrections can be submitted. Reports can be set up to report only on validated data. Data entry can also be Mobile – entered from Smart Phones. Laboratory Information Management Systems (LIMS) are easy to integrate with Dream Report, through Manual Data Entry or the use of our Business Standard Interfaces.

Localization

Tools for your team, in the language that they dream in. Your reporting requirements aren’t likely to be limited to one location. You may have facilities around the globe and your team will want to work in local languages. Dream Report supports localization, configured at the server, or defined by the user login. Standard

support for over a dozen languages, switched on the fly, means Dream Report is the right solution for your diverse development team and user base.



Select the Languages for Development, Runtime and Portal

Interactive Reporting

You’ll want to select a template, select a facility, area, or piece of equipment and generate a report. You’ll want the reports to be completely automatic, sensing process conditions to trigger their operation, but you’ll also want to go back and recreate that report from last month, last year or for a particular piece of equipment. Dream Report handles all that, and the use of “Pickers” in a report give you the interface to make date, time, batch or equipment selections. Dream Report’s Web Portal delivers that capability to you in the office or away, on any device, with complete security.

Smart Reporting

Gone are the days of complicated Excel formulas for report generation. While that is always an option and Dream Report can create Excel Workbooks as its report output format, there is a more powerful solution, one that delivers the understanding of what you’re trying to accomplish, and it does it simply and automatically. Dream Report “Widgets” are smart reporting objects that deliver data, analytics and visualization. You simply select the widget, drop it into your report through the WYSIWYG (What You See Is What You Get) editing environment, define its data sources and desired customizations and you are done. No hassles or macros. No errors in calculations and no scripting or programming.

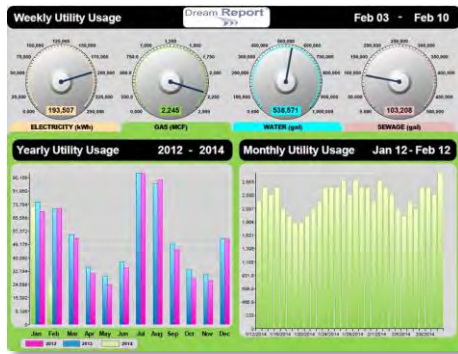
Report Design

Dream Report takes the effort and complexity out of even the most demanding reporting tasks. With connectors that understand their sources of data, to beautiful formatting and display objects, Dream Report will WOW you with its elegance. It’s not just about getting data and displaying it. It’s about understanding the data, using powerful analytics to turn your data into information and knowledge. Dream Report, through a wide range of analytic functions, delivers on that front, reducing your development effort, improving your quality and increasing your productivity.

Widgets (Smart Objects) do most of the work for you. Need page numbers? There’s a widget for that. File Name? Directory Name? Issue date, start and end times? Data displays, bar graphs, trend charts, pie charts and results tables - they are all there. Dials, gages, tanks and more. Drag them onto the report, configure a few parameters for data sources and calculation functions and you are all set. Smart Report Objects are one aspect of Dream Report’s value and the analysis functions that can be attached to them are another.

The combination of purpose built calculation functions with widget visualization objects create the world’s most sophisticated and easy to use solution for reporting and data analysis for industrial applications. Gone are the days of difficult scripting, macro

development or the need for specialized IT support and complex system integration.



Example Web Portal Dashboard Display with Widgets

Dream Report Delivers a Complete Array of Statistical Functions

Dream Report Analytic functions understand their purpose. They have been specially crafted to deliver the results you're expecting from the data sets your automation systems are providing.

Select Function	Caption
☐ Sum	☐ Sum
☐ Duration in the interval (hours)	☐ PeriodOfLogged
☐ Counter	☐ Cnt
☐ Logged Value Counter	☐ CntOfLogged
☐ ON Counter	☐ CntOn
☐ OFF Counter	☐ CntOff
☐ ON/OFF Counter	☐ CntOnOff
☐ Running Time	☐ RunningTime
☐ Down Time	☐ DownTime
☐ System availability	☐ Availability
☐ Standard Deviation	☐ StdDeviation
☐ Counter of alarms	☐ CntAlarm
☐ SQL Query	☐ Sql
☐ Mean Kinetic Temperature	☐ MKT
☐ Advanced Mean Kinetic Temp	☐ AdvMKT
☐ Batch ID	☐ BatchID
☐ Batch Start Time	☐ BatchStartTime

Simply Click for Function Selection

Calculation Functions

Value, Maximum, Minimum, Average, Sum, Standard Deviation, Associated Timestamps

Logged Value Counter – How many times a value is encountered

Duration Interval – Calculates time a value was in a range

Counter or Period Totals – Last variable minus first variable and rollover aware (for tracking energy meters & totalizers)

Advanced Functions

ON and OFF and Transition Counters – Delivers a count of variable transitions

Running Time – Totalizes the time a variable was on

Down Time – Totalizes the time a variable was off

System Availability – Percentage of time for a specified period during which a condition was met

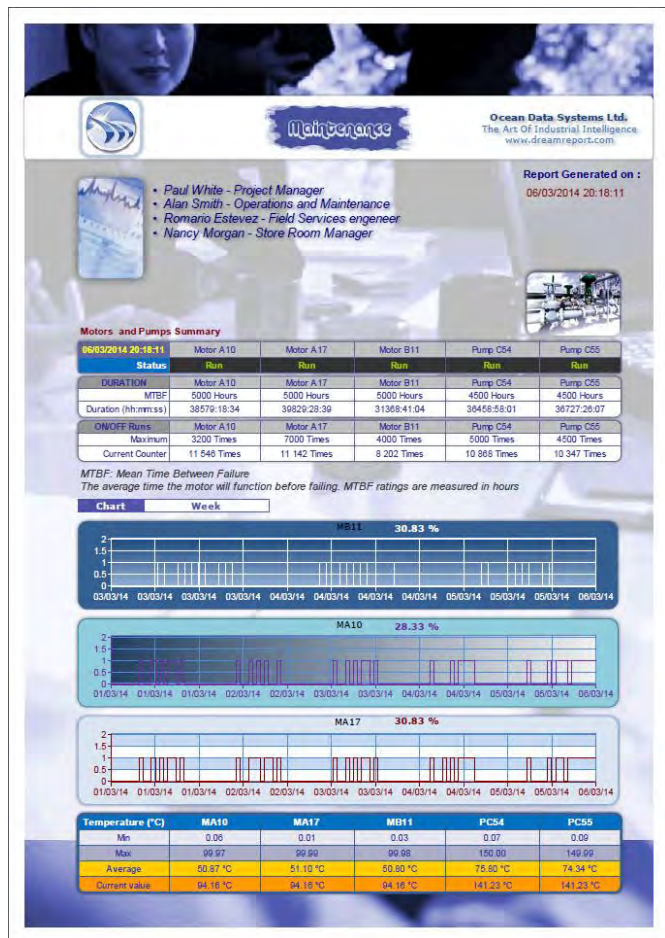
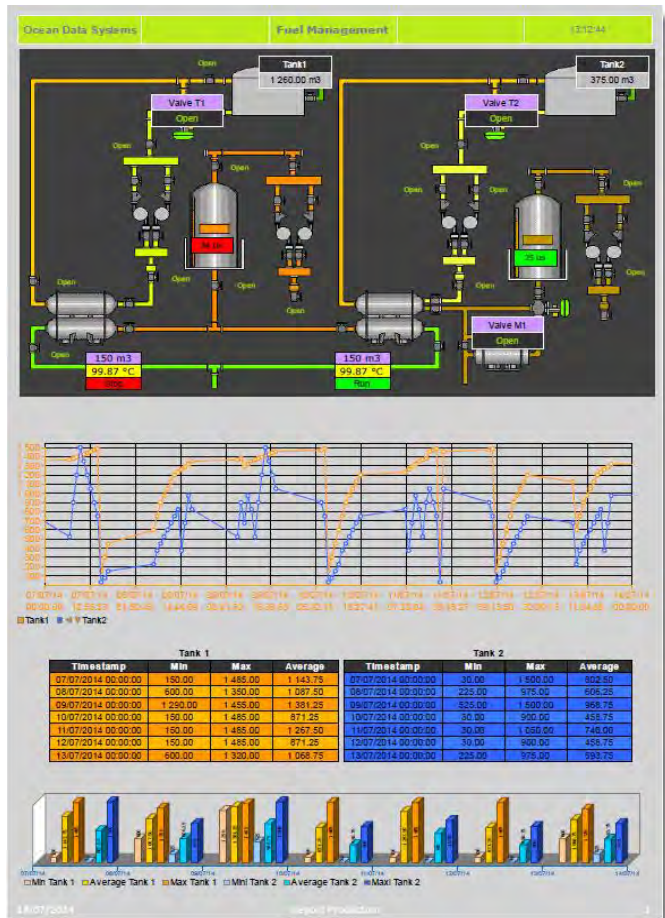
Energy Management (Facility) Functions

Produced Energy – The heat energy produced by the consumption of various fuels

Produced Emissions – The emissions' byproducts from the consumption of various fuels

Alarm Analysis Functions

Alarm Counters – Calculates the number of alarms, by filter, for a specified period



SQL Functions

Direct SQL Query, with Dynamic Tokens – Use Dream Report Variables as items in a SQL Query

Pulse Analysis Functions

Excursion Analysis - Positive pulses, negative pulses, peak maximum and peak minimum functions will count variable excursions beyond a limit, over a period

Compound Data Functions

Functions over a Data Group - These functions calculate minimums, maximums, average, sum, and standard deviation of a set of other Dream Report data items

Expression Data Functions

Mathematical Expressions - Accepts a manually entered expression involving one or more statistical objects, mathematical operators and constants.

String Functions

Text String Operations - Includes concatenation, extraction, string lookups and conversions to and from numeric values

Report Storage and Distribution

Store reports in a directory. Automatically build the directory structure. Automatically name your reports. Names can include any combination of date, time, fixed text, and data variables

Distribute Reports via Email - Built-in SMTP functionality lets you distribute reports to an email list

Print Reports - Use a specific printer. Designate an automatic backup for when a printer is unavailable.

Send Reports to a Web Portal - No effort involved. Dream Report sets up IIS automatically and configures a Web Portal to display your reports (if you choose to do so), in a browser based and mobile friendly environment.

Through the benefits of HTML-5, your reports will work in any browser and on any Mobile device, iOS, Android, Windows or other. PC or MAC - it's up to you. Need a Web Dashboard of Key Performance Indicators (KPIs)? Configure a report for automatic update and you have it.



Web Portal for Interactive Report Generation

Reliability

Of crucial importance in this market. When facilities house critical operations, you must be sure the reporting is available and your systems are reliable. There is no room for error. For optimum reliability, redundancy is the solution. If reports are generated, and one printer is unavailable, then Dream Report will automatically transfer to a backup

printer. If one reporting node becomes unavailable, possibly due to a server hardware failure, a second Dream Report system will automatically recognize the failure of its counterpart and take over reporting. Dream Report delivers many answers for your most demanding solutions.

A screenshot of a 'Hotbackup node configuration' dialog box. It contains a checkbox labeled 'This node is working in a hotbackup mode' which is checked. Below it is a text field for 'Set the IP address/PC name where the main node is running' with the value 'Dream-Report-Backup-Server'. There is a 'Test connection' button. At the bottom, there is a 'Checkup rate' section with a value of '5' and a unit of 'Seconds'.

Dream Report Hot Backup Server Selection

So, What Are You Waiting For?

You may think automated report generation is just for compliance reporting, generating the necessary documentation for your line of business. That is certainly important, however, Dream Report can deliver the power of automated business intelligence to your entire organization. If you don't have an automated report generation and data analysis solution as a part of every automation system, then you could be losing out on efficiencies.

Today, when you're tasked with continuous improvement, the old adage "Out of sight, out of mind" continues to be the primary obstacle. Having business intelligence delivered to you, in a regular and automated fashion, will keep you informed of the usual, so that you can react to the unusual.

To learn more about Dream Report, visit our Website at www.DreamReport.net and download a fully functional, time limited version of the product.



Pricing and Configuration:

Dream Report is a software solution that is typically licensed and delivered on a per node basis. If you need reports generated from a computer, that computer requires a Dream Report license.

Dream Report is a scalable solution. Scalability is offered over three dimensions – the amount of data that is accessed from data stores (Tags), the number of concurrent web portal users, and the addition of market or application specific options. Dream Report will deliver unlimited reports and calculations. There are no other dimensions of system scalability.

Tag Counts typically consist of 50, 250, 500, 1,000, 2,000, 5,000, 10,000 and unlimited.

Concurrent Web Clients consist of 2, 5, 10, 25, 50, and 100 concurrent users. (Custom options available)

Market and Application Options include: Life Sciences option (electronic signature, versioning, audit trail and Fo), Unlimited SQL option (MES), DBatch – batch data awareness option, and a Redundant Node option.

Please contact your local Dream Report partner for product details.

Companies Endorse Dream Report

We've created a program called "Proven Partners." Some of our partners resell Dream Report as their own solution, while others recommend Dream Report for use with their products. Together, we've tested our products and stand behind their combined use for your benefit. If you have a support or application question, you can rest assured that together, we'll collaborate to support you now, and in the future.

View Proven Partners at:
www.dreamreport.net/dream-report-proven-partner-program/



WIN-911

THE MOST WIDELY USED ALARM NOTIFICATION
PLATFORM IN INDUSTRY AND IIoT

*WIN-911 DELIVERS CRITICAL ALARMS & ALERTS
IN REAL TIME, INTEGRATING WITH THE WORLDS
LEADING SCADA, HMI AND CONTROL SYSTEMS.*

WIN-911 uses configuration logic to filter, route, and escalate alarms and events to designated recipients through multiple notification methods. WIN-911 supports single and bi-directional communication for alarms, acknowledgements, informational requests, and reports.



Android, iPhone, and Windows

SCADA INTEGRATION DIRECT CONNECTS

WIN-911 Direct Connects provide a native connection to leading SCADA/HMI systems enabling ease of configuration, performance optimization, and syncing of alarm acknowledgments and other data.

The use of Alarm Subscriptions, which filter alarms into WIN-911, eliminates the need to maintain two separate alarm databases providing faster integration, with simplified setup and less on-going maintenance.



WHAT CAN WIN-911 DO FOR YOU?



INCREASE:

RELIABILITY OF ALARM
NOTIFICATION

OPERATIONAL EFFICIENCY

INSIGHT INTO FREQUENT
ALARM OCCURRENCES



REDUCE:

DOWN TIME

OPERATING COSTS

MATERIAL COSTS



IMPROVE:

ALARM RESPONSE TIME

PERSONNEL AND PUBLIC SAFETY

ALARM LOGGING AND REPORTS
FOR CONTINUOUS IMPROVEMENT



SCHEDULING

Control notification logic utilizing individual and shared schedules evaluated at the time of the alarm. Complex shift scheduling made easy using an Outlook/Google style calendar control.

NOTIFICATION OPTIONS

ALL notification options support single or bi-directional communication, acknowledgements, and customized formats.



SMARTPHONE APPS

Interactive, intuitive APPS using push notifications for Apple, Android, and Windows devices.



SMS TEXT MESSAGING

Secure, text based alarm notification over cellular networks. Supports both USB and Ethernet IP cellular modems.



EMAIL

Rich HTML or plain text templates support a wide range of devices. Protocol support for SMTP, POP, IMAP, SSL/TLS.



VOICE CALLS

Text-to-speech engine dynamically reads alarm information. Supports VoIP (SIP) or analog phones (USB voice modem).



REPORTING

Rich or plain text report templates are available. Reports can be sent on demand or based on alarm conditions.



LOGGING

Supports both live and historical views. Sort, arrange print or export your alarm history based on your preferences. Includes personnel notification attempts and confirmation, acknowledgments, events and error codes.



SYSTEM MODIFICATION AUDITS

Leverage your existing SQL server auditing features to provide audit trail for regulated environments.



LOCALIZATION

Fully localized in 9 languages: English, German, Hebrew, Arabic, Italian, Portuguese, French, Chinese, Spanish. Localization includes software configuration, alarm delivery and alarm interaction.



TEXT-TO-SPEECH PREMIUM VOICES

Offered in 46 languages, Premium Voices provide a more natural sounding voice as an alternative to the standard Microsoft choices.

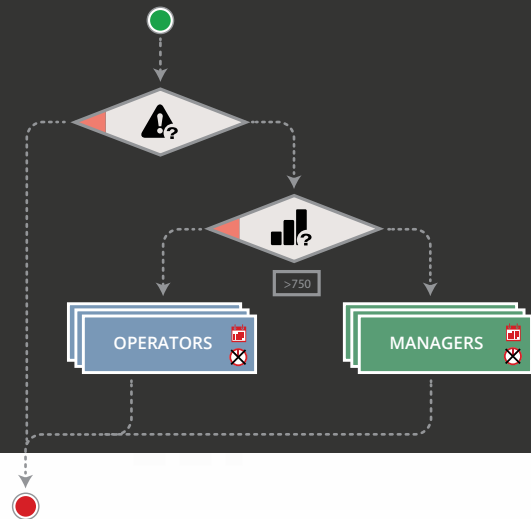
SOFTWARE & HARDWARE REDUNDANCY

Additional WIN-911 systems can be installed to provide greater reliability. Notification hardware and gateways can be pooled to increase uptime and reliability.



NOTIFICATION ESCALATION ENGINE

Configure notification workflows to best meet your operational needs. From a simple callout list to complex escalation logic, WIN-911's patented, script free, drag and drop user interface makes configuration easy and intuitive.



BASIC TACTICS

Simple Call out list that supports retries and delays.

☐	Connection	Type	Retries	Delay Between Retries			Delay After			
☐	John		0  	Minutes	0  	Seconds	0  	Minutes	0  	Seconds
☐	Paul		0  	Minutes	0  	Seconds	0  	Minutes	0  	Seconds
☐	George		0  	Minutes	0  	Seconds	0  	Minutes	0  	Seconds
☐	Ringo		0  	Minutes	0  	Seconds	0  	Minutes	0  	Seconds

ADVANCED TACTICS

Script free work-flow dynamically follows your process.

- Scales from a simple call out list to comprehensive enterprise work-flows
- As the alarm event unfolds actions can be taken dynamically as alarm conditions evolve
- Workflow can enable event-based pushing of reports
- Easily adapts to personnel and organizational changes

ADVANCED STRATEGIES

Strategies orchestrate tactic execution.

Name	South Station Alarms		
Description	includes rearming after 30 minutes		
Policies	Condition	→	Action
	Initial Event	→	Start Tactic → Operator Callout
	Any Alarm State Change	→	Re-Notify
	Upon Repeating Timer	→ 30m	Start Tactic → Realarm
	Alarm Becomes Terminal	→	Stop Strategy

WIN-911 PRODUCT COMPARISON CHART

FEATURES:	STANDARD	INTERACTIVE	ADVANCED
Scheduling	✓	✓	✓
Virtualization	✓	✓	✓
Localization	✓	✓	✓
Basic Tactics	✓	✓	✓
Basic Strategies	✓	✓	✓
Advanced Tactics			✓
Advanced Strategies			✓
SMS	✓	✓	✓
Email	✓	✓	✓
Voice (VoIP)		✓	✓
Voice (Analog)		✓	✓
WIN-911 Mobile		10 Devices	25 Devices
Remote Acknowledgements		✓	✓
Alarm Requests		✓	✓
Report Requests		✓	✓

*THE WORLD'S TRUSTED BRANDS TRUST WIN-911.
DEPLOYED AT OVER 10,000 FACILITIES IN 70 COUNTRIES ON SIX CONTINENTS.*

AEROSPACE & DEFENSE

ANIMAL & AQUATIC SPECIES
FACILITIES

BUILDING MANAGEMENT

DATA CENTERS

ENVIRONMENTAL REMEDIATION

FOOD & BEVERAGE

LABORATORIES & RESEARCH

LIFE SCIENCES

MANUFACTURING

NATURAL DISASTER PREVENTION

OIL & GAS

POWER GENERATION
AND DISTRIBUTION

WATER & WASTE TREATMENT

WIN-911

THE MOST WIDELY USED ALARM NOTIFICATION
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win911.com

☎ USA 512 326 1011
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✉ sales@win911.com

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Item No. 4
May 4, 2017

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

ACTION ITEM:

1. **Draft Strategic Plan** – Review and discussion of Draft Strategic Plan.

BACKGROUND:

On October 20, 2015 the Board and General Manager identified development of an updated strategic plan as an objective to be completed in 2016. The Board discussed the strategic planning process on June 7, 2016 and provided direction to initiate the strategic planning process.

Leadership staff participated in three workshops on August 30, October 7, and October 12, 2016. The Leadership Team has reviewed the District's Mission Statement and conducted an analysis of strengths, weaknesses, opportunities and threats (SWOT analysis) including ranking by importance. The Leadership team also discussed a value statement (how we conduct business) and vision statement.

On December 2, 2016 the Board of Directors participated in a strategic planning workshop (Workshop No. 1) and discussed the District's Mission Statement and conducted a SWOT analysis. On January 17, 2017 the Board of Directors participated in a second strategic planning workshop (Workshop No. 2) and discussed the future vision for the District and developed a vision statement:

The Board also conducted additional evaluation and ranking of the list of "areas for improvement" which were identified at Workshop No. 1. On February 2, 2017 the Board received draft goals and objectives designed to address the ranked "areas for improvement".

DISCUSSION:

Staff has incorporated the information developed in the strategic planning workshops into the attached "Draft Strategic Plan" which is provided for the Board's review, discussion and comment.

RECOMMENDATION: That the Board provide comment and direction to complete the Strategic Plan for future adoption by the Board, and provide direction on the dissemination of the Strategic Plan to the community and District's customers.

Prepared & Submitted by:



Thomas A. Love, P.E.
General Manager

DRAFT

Crescenta Valley Water District



April 2017

Draft Strategic Plan

“Providing quality water and wastewater services to the Crescenta Valley community in a dependable and economically responsible manner”

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District History

The Crescenta Valley Water District (District) was formed as the Crescenta Valley County Water District on December 14, 1950 by the vote of local residents. Organized under the provisions of Division 12 of the State of California Water Code, the District operates as a political subdivision of the State. The term "County" was officially deleted from the District's name in 1996.

In the early 1950's, the newly-formed District purchased the assets and consolidated the infrastructure of several small private water companies then in existence. This was made possible by voter approval of two capital improvement bonds with a value of \$1.35 million. By 1953, with rapid growth in the Crescenta Valley and surrounding foothill communities, it became apparent that the local groundwater supply was not going to be sufficient to meet the increasing demand. Residents from La Crescenta to Altadena voted to form the Foothill Municipal Water District (FMWD) to purchase and distribute imported water from the Metropolitan Water District of Southern California (MWD). By 1955, the District was augmenting its local well water with MWD water from the Colorado River. In the 1960's, MWD increased its supply by also contracting for Northern California water with the completion of the State Water Project. This blend of imported water which fluctuates from 40% to 60% groundwater versus imported water continues today as the source of supply for District customers.

In the 1970's, District officials were becoming aware of potential problems with private wastewater disposal systems (septic tanks) in the vicinity and potential impacts on the local groundwater supply. With federal funds available through the Clean Water Act, the District created two sewer assessment districts in 1979 and sold bonds for the construction of 64 miles of



mainline sewer and 27 miles of house-connection laterals. Approximately 75% of the \$35 million cost was satisfied with federal grant money and the remainder through direct assessment of local property owners. The project also included the purchase of treatment plant capacity from the City of Glendale and the construction of 7 miles of large-diameter sewer interceptor through the City of Glendale. All sewer system construction was completed in the mid-1980's.

The District Today

The District is located in the Crescenta Valley area of Los Angeles County in the foothills of the San Gabriel Mountains, between the San Fernando and San Gabriel valleys. The District provides water distribution and sewage collection within its boundaries to the unincorporated communities of La Crescenta, Montrose, and Verdugo City as well as a small portion of the City of La Canada-Flintridge.

The District serves an area of approximately 4 square miles in relatively steep terrain ranging from 1,200 feet to almost 3,000 feet above sea level. The customer base is primarily residential with some light commercial along Foothill Boulevard in La Crescenta and Honolulu Avenue in Montrose. The District currently provides water to over 8,000 accounts representing a population of approximately 32,000. Customer growth is steady although the Crescenta Valley area is nearly built-out. Residential growth is occurring through increased housing density in the multiple-unit zoned areas (primarily Montrose) as well as limited in-fill housing development on random parcels in La Crescenta.



Message from the Board of Directors

The Crescenta Valley Water District's five elected board members recognize the importance and value of quality and reliable water and wastewater service to the Crescenta Valley community. In order to assure these services will continue for future generations, the Board of Directors has developed this strategic plan to assess the current needs of the District and community, identify future challenges, and develop a strategic approach to address those challenges.

The Board is proud of the talent we have been able to attract and retain at the District. Our staff performs at a high level implementing the policies that the Board has adopted to achieve the District's mission. Maintaining this highly qualified, dedicated, and productive workforce has and will continue to be one of the highest priorities. Our employees are the most effective tool we can use to achieve the successful implementation of this strategic plan.

Demonstrating a commitment to the customers and community is also top priority for the Board. As the District has addressed the recent challenges of drought, state mandated conservation, increasing water supply cost, and decreased local water supplies. The Board is appreciative of the community's outstanding water conservation in exceeding the state mandated conservation goals.

Preceding text is provided for the Board's consideration, additions, edits, and suggestions are requested"



James Bodnar

Mike Claessens

Kerry Erickson

Ken Putnam

Judy Tejada

Message from the General Manager

Over the past two years, as General Manager, I have developed an increasing appreciation of the potential of the District, its employees, Board, and especially the Crescenta Valley community. The dedication and commitment of the District's employees is exemplary and will be a valued asset in addressing the future challenges identified in this strategic plan.

The participation from the Board and employees in developing this strategic plan provided valuable insights not only into the future challenges, but identified many strengths and resources that will be used to achieve the strategic plan goals and objectives. This strategic plan is based on the future vision statement: "To provide water and wastewater services effectively and communicate the value of these services to the customers and community". We recognize that as a public utility our customers only have one source for water and wastewater service. Although there are no other service providers competing for our customers, we strive to provide these services in the most efficient and cost effective manner providing value to our customers.

The success of this strategic plan and the achievement of the vision will require the combined efforts of the Board, management team, and employees. In addition, the continual monitoring, measuring and evaluating the progress on each goal and objective will be essential for success. I am counting on the support of the Board and employees and welcome additional suggestions, observations, or critique as we embark on the strategic plan implementation.

I am enthusiastic about the future potential of the District and feel confident that I have the Board's support and the implementation team capable of achieving the District vision.

Sincerely,

Thomas A. Love,
General Manager



Executive Summary

Crescenta Valley Water District is facing significant challenges in providing essential water services. A variety of issues must be planned for and accommodated in order to maintain the effective delivery of these services, including aging infrastructure, changing workforce, community engagement, emergency planning, financial stability, and effective governance.

To further this end, the District embarked on the development of this strategic plan to reassess the District's mission, vision and goals, and objectives to leverage the knowledge and commitment of the employees to address these challenges. The strategic plan was developed through a series of workshops with the Board of Directors, Management and key staff. The plan was vetted with the employees and presented to the Board for final approval.

The strategic plan provides continuous guidance and direction for each year's planning, budgeting, implementation, evaluation, and reporting. The strategic plan sets the overall policy direction and strategic priorities established by the Board. The District management develops the strategies, programs, and activities necessary to effectively implement the Board's direction. The plan further assists in determining whether staff and financial resources need to be realigned to achieve strategic objectives.

The Strategic plan provides a framework for aligning the priorities and actions of the District towards specific and measurable goals in pursuit of accomplishing the organization's mission and vision.

Mission Statement

"To provide quality water and wastewater services to the Crescenta Valley community in a dependable and economically responsible manner."

Vision Statement

"To provide water and wastewater services effectively and communicate the value of these services to the customers and community."

Values

The District values:

- Integrity
- Respect
- Competence
- Professionalism
- Innovation
- Effectiveness
- Teamwork

Organization Strategic Goals and Objectives

Strategic Goals were generated in six focus areas:

1. Infrastructure - Maintain a proactive asset management and replacement program.
2. Workforce – Maintain organizational effectiveness.
3. Emergency Response – Be prepared for emergency response.
4. Financial Stability.
5. Customer Engagement – Improve effective public outreach and customer service.
6. Governance – Enhance effective governance.

Crescenta Valley Water District

2017 Strategic Plan

Goals and Objectives

Goal: Maintain proactive asset management/replacement program				
Objectives:	By Who:	When:	Status:	Comments:
Update ten year CIP, present to Board for approval.	District Engineer	6/20/17 and annually	On Target	
Evaluate CIP funding options, present to Board for consideration.	GM	6/20/2017	On Target	Evaluate pay-go, debt, SRF low interest loans
Update asset inventory with age, condition, remaining useful life.	District Engineer	10/31/2017	On Target	
Develop Asset Management Plan.	District Engineer	4/15/2018	Not Started	
Develop maintenance management plan/system.	Superintendent	4/15/2018	Not Started	
Goal: Maintain Organizational Effectiveness				
Objectives:	By Who:	When:	Status:	Comments:
Conduct staffing needs assessment.	GM/Managers	6/20/2017	Not Started	
Evaluate organizational structure.	GM	6/20/2017	Not Started	
Continuation and enhancement of sound risk management and safety practices and programs.	Managers	On going	On Target	
Develop mechanisms to retain institutional knowledge.	GM	9/4/2017	Not Started	
Develop and implement cross training program.	GM/Managers	12/1/16 and ongoing	On Target	
Develop employee retention plan.	GM	9/4/2017	Not Started	

Crescenta Valley Water District

2017 Strategic Plan

Goals and Objectives

Goal: Be Prepared for Emergency Response				
Objectives:	By Who:	When:	Status:	Comments:
Update emergency response plan.	Program Specialist	9/4/2017	On Target	
Implement emergency response training.	Program Specialist	5/15/17 and ongoing	On Target	
Formalize mutual aid procedures with emergency response partners.	GM	9/4/2017	On Target	CV Ready, GWP, VWC, FMWD, LCID, CERT, etc.
Goal: Achieve Financial Stability				
Objectives:	By Who:	When:	Status:	Comments:
Update ten year budget forecast and financial model, present to Board for annual budget approval.	CFO	6/20/2017 and annually	On Target	
Identify and implement prudent cost containment measures.	Managers	6/20/2017 and ongoing	On Target	
Identify and pursue grant and State low interest loan funding for CIP projects.	GM/District Engineer	6/20/2017 and ongoing	On Target	\$1.1M grant revenue expected in FY 2017.

Crescenta Valley Water District 2017 Strategic Plan Goals and Objectives				
Goal: Improve Effective Public Outreach and Customer Service				
Objectives:	By Who:	When:	Status:	Comments:
Identify and implement additional public outreach mechanisms.	GM/ Program Specialist	7/4/2017	On Target	Service clubs, social media, print media, CVTC, website, bill inserts.
Maintain relevant, timely and effective messaging.	GM/ Program Specialist	4/15/17 and ongoing	On Target	Water supply status, conservation performance, infrastructure investments, financial management.
Develop and implement mechanisms to measure public outreach effectiveness and customer perception (satisfaction).	GM/ Program Specialist	7/4/17 and ongoing	On Target	Incorporate findings into future public outreach efforts.
Goal: Enhance Effective Governance				
Objectives:	By Who:	When:	Status:	Comments:
Adopt and implement strategic plan.	GM/ Board	6/6/2017	On Target	
Evaluate and implement Board committee structure and improvements to effective committee review process.	Board Executive Committee and GM	7/4/17 and ongoing	On Target	
Maintain and disseminate Board meeting and agenda item calendars.	GM	2/14/17 and ongoing	On Target	

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

GM Report
May 2, 2017

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

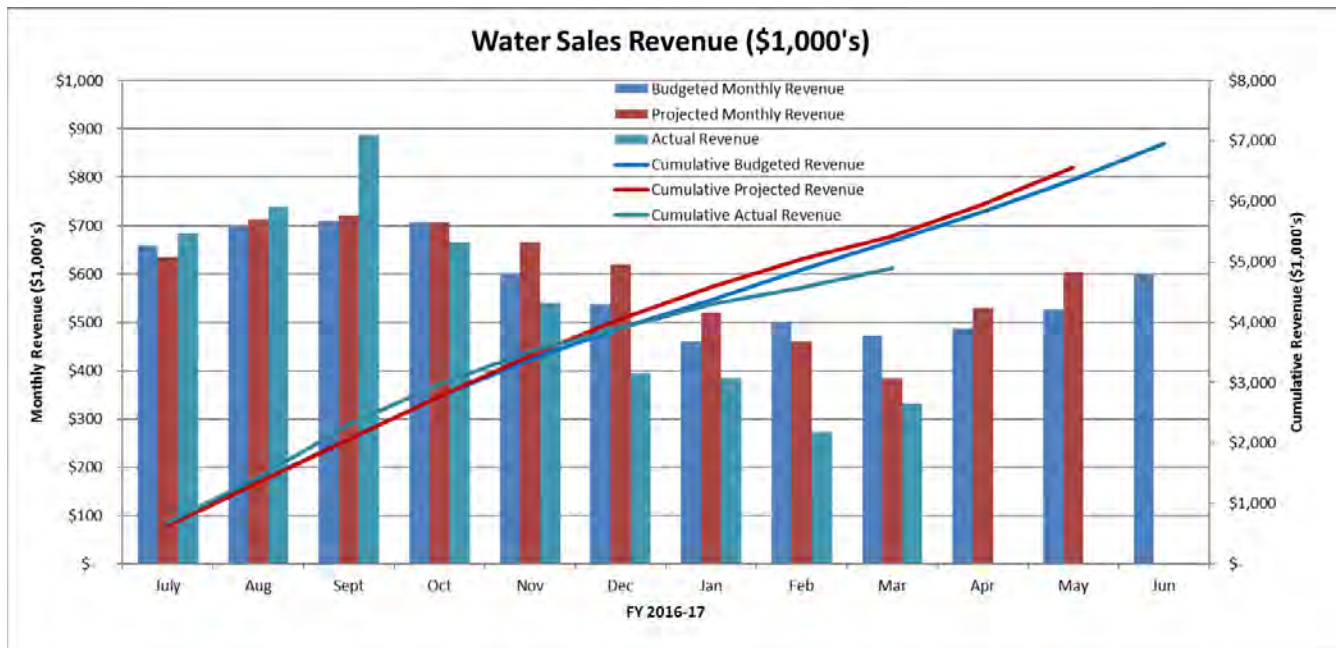
Third Quarter Budget Report

Attached is the Fiscal Year 2016/17 third-quarter budget variance summary. The net change in reserves for the water fund show a decrease of \$236,500 compared with a budgeted decrease of \$177,000. The net change in reserves for the wastewater fund is an increase of \$211,000 compared with a budgeted decrease of \$175,000.

Water Fund

Revenue:

The Fiscal Year 2016/17 Budget assumptions for water sales revenue are based on water demands increasing by 6% over the prior year. Although water demands to date have slightly exceeded projections, fewer customers are in Tier 2 and 3, especially during the winter months, resulting in water sales revenue \$454,000 below budget.



Another revenue variance of note is grant revenue. \$1,150,000 in grant revenue is expected in the fiscal year; however, a \$300,000 grant reimbursement payment from the Department of Water Resources, expected in this fiscal year, was received in June and booked in the prior fiscal year.

Expense:

All water fund expense categories, with the exception of purchased water and power, are under the fiscal year-to-date budget by \$345,000. Groundwater production is 28% less than projected resulting in increased purchased water expense, which is over budget by \$417,000. Purchased power is under budget by \$10,500.

Capital Improvements:

Expenditures for capital improvements and capital equipment are trending under budget by \$820,000. However, most capital improvement projects are completed in the third and fourth quarters. The projected capital improvement expenditures are expected to be \$640,000 under budget primarily due to the deferral of the Oak Creek Reservoir rehabilitation project which has been moved to next fiscal year.

Wastewater Fund:

Wastewater fund revenues are trending \$66,000 under budget for the first three quarters. This is primarily due to the implementation of the variable sewer rate structure which results in greater revenue variability. Wastewater fund expenses are \$254,000 under budget, partially due to City of Los Angeles sewer treatment charges being \$130,000 below the year-to-date budget. Capital improvements and capital outlay are also significantly under budget, but will increase with the purchase of the new Vector truck.

Community Outreach Activities

- Interviewed for CV Weekly Article regarding Governor ending the drought emergency.
- CVTC Presentation – April 20th - Water supply update, Prop 218 Notice and Public Hearing, Pennsylvania Pipeline Project.
- CV High School Career day – Discussed careers in water industry with students.
- Hometown Fair – April 29th.

General Manager Correspondence to the Board (Attached)

Staffing

As of April 28th, the District has worked **1054 days** without a lost time accident.

Prepared & Submitted by:



Thomas A. Love, P.E.
General Manager

CRESCENTA VALLEY WATER DISTRICT									
FISCAL YEAR 2016-17									
BUDGET VERSUS ACTUAL									
FOR THE FISCAL YEAR ENDING JUNE 30, 2017									
Description	First Quarter Ending 9/30/16 25% of Budget ^{1,2}	First Quarter Ending 9/30/16 Actual	Second Quarter Ending 12/31/16 50% of Budget ^{1,2}	Second Quarter Ending 12/31/16 Actual	Third Quarter Ending 3/31/17 75% of Budget ^{1,2}	Third Quarter Ending 3/31/17	Third Quarter Ending 3/31/17 Variance	Fourth Quarter Ending 6/30/17 100% of Budget	Fourth Quarter Ending 6/30/17
Water Operations									
Operating Revenues	2,697,150	2,940,249	5,116,180	5,179,064	7,187,560	6,922,414	(265,146)	9,398,000	
Non-Operating Revenue ³	353,363	74,656	706,725	478,384	1,060,088	609,092	(450,996)	1,413,450	
Revenues	3,050,513	3,014,905	5,822,905	5,657,448	8,247,648	7,531,505	(716,142)	10,811,450	-
Compensation and Benefits	739,250	639,275	1,478,500	1,432,035	2,217,750	2,208,611	9,139	2,957,000	
Gen'l and Admin Expenses	172,375	145,948	344,750	284,966	517,125	416,573	100,552	689,500	
Non-Operating Expense	90,375	92,243	180,750	186,957	271,125	219,278	51,847	361,500	
Water Plant Operation Expense	98,450	93,933	196,900	178,185	295,350	273,697	21,653	393,800	
Water System Expense	881,090	1,096,188	1,698,045	2,045,434	229,210	2,770,415	(2,541,205)	3,025,000	
Distribution System Expense	253,075	196,763	506,150	481,705	759,225	597,175	162,050	1,012,300	
Expenses	2,234,615	2,264,350	4,405,095	4,609,281	4,289,785	6,485,749	(2,195,964)	8,439,100	
Revenue minus Expenses	815,898	750,555	1,417,810	1,048,167	3,957,863	1,045,757	(2,912,106)	2,372,350	
W Capital Outlay & Equipment	27,500	-	55,000	8,077	82,500	113,278	(30,778)	110,000	
W Capital Improvements	350,000	255,163	700,000	543,246	1,750,000	929,719	820,281	2,800,000	
Principal Payment on Debt	54,750	54,750	109,500	109,500	164,250	164,250	0	219,000	
OPEB Fund	25,000	25,000	50,000	50,000	75,000	75,000	0	100,000	
Addition/(Reduction) to Working Cash	358,648	415,642	503,310	337,344	1,886,113	(236,490)	(2,122,602)	(856,650)	-
Wastewater Operations									
Operating Revenues	849,250	804,143	1,698,500	1,596,881	2,547,750	2,481,834	(65,916)	3,397,000	
Non-Operating Revenue	2,000	1,478	4,000	3,855	6,000	5,635	(365)	8,000	
Revenues	851,250	805,621	1,702,500	1,600,736	2,553,750	2,487,468	(66,282)	3,405,000	-
Compensation and Benefits	395,000	335,216	790,000	718,948	1,185,000	1,097,853	87,147	1,580,000	
Gen'l and Admin Expenses	70,888	66,736	141,775	129,894	212,663	179,161	33,501	283,550	
Non-Operating Expense	213	828	425	2,468	638	3,268	(2,631)	850	
Wastewater Operation Expense	16,381	15,067	32,763	29,749	49,144	47,527	1,617	65,525	
Collection System Expense	14,725	7,906	29,450	26,762	44,175	38,037	6,138	58,900	
Wastewater System Expense	310,855	321,599	621,710	482,399	932,565	803,999	128,566	1,243,420	
Expenses	808,061	747,352	1,616,123	1,390,220	2,424,184	2,169,846	254,337	3,232,245	
Revenue minus Expenses	43,189	58,269	86,378	210,516	129,566	317,622	188,056	172,755	
WW Capital Outlay & Equipment	93,750	-	187,500	-	281,250	-	281,250	375,000	
WW Capital Improvements	36,750	-	73,500	-	110,250	-	110,250	147,000	
Addition/(Reduction) to Working Cash	(87,311)	58,269	(174,623)	210,516	(261,934)	317,622	579,556	(349,245)	0
1) Quarterly Budgets for Operating Revenues and Water System Expense adjusted for seasonal variations									
2) Quarterly Budgets for Capital Improvements adjusted - 12.5 % in Q1, Q2 - 37.5% in Q3, Q4									
3) \$1,000,000 Loan from MTBE Fund not included									

From: [Thomas Love](#)
Bcc: [J Bodnar](#); [James Bodnar](#); [Judy Tejada](#); [K Erickson](#); [Ken Putnam](#); [Kerry Erickson](#); [Michael Claessens](#); [Tom Bunn](#)
Subject: Good Water Supply Summary
Date: Monday, April 03, 2017 11:10:19 AM

To: Board Members, Legal Counsel.

Directors this article provides a good synopsis of the water supply status which is consistent with the Districts message to our customers. The article does mention the geographic variations in water supply, but not in much detail.

<http://www.scpr.org/news/2017/04/02/70381/have-socal-s-water-supplies-recovered-depends-on-w/>

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

From: [Thomas Love](#)
Bcc: [GRP_CVWD_Managers](#); [J Bodnar](#); [James Bodnar](#); [Judy Tejeda](#); [K Erickson](#); [Ken Putnam](#); [Kerry Erickson](#); [Michael Claessens](#); [Tom Bunn](#)
Subject: Article referencing Governor Browns Drought Declaration
Date: Wednesday, April 05, 2017 11:42:17 AM

To: Board Members, Legal Counsel.

Directors, this article (link below) is related to our discussion at yesterday's Board meeting.

<http://www.sacbee.com/news/state/california/water-and-drought/article142626989.html>

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

From: [Thomas Love](#)
Bcc: [J Bodnar](#); [James Bodnar](#); [Judy Tejada](#); [K Erickson](#); [Ken Putnam](#); [Kerry Erickson](#); [Michael Claessens](#); [Tom Bunn](#)
Subject: Gov. Brown declares California drought emergency is over
Date: Friday, April 07, 2017 11:09:23 AM

To: Board Members, Legal Counsel.

As expected, the Governor made this announcement this morning. See link to LA Times story below.

The LA Times article does not mention that the drought emergency remains in effect in 4 counties. "Governor issued an executive order, which lifts the drought emergency in all California counties except Fresno, Kings, Tulare and Tuolumne, where emergency drinking water projects will continue to help address diminished groundwater supplies."

<http://www.latimes.com/local/lanow/la-me-brown-drought-20170407-story.html>

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

From: [Thomas Love](#)
Bcc: [J Bodnar](#); [James Bodnar](#); [Judy Tejada](#); [K Erickson](#); [Ken Putnam](#); [Kerry Erickson](#); [Michael Claessens](#); [Tom Bunn](#)
Subject: CV Weekly Water News
Date: Thursday, April 13, 2017 11:43:27 AM

<http://www.crescentavalleyweekly.com/featured/04/13/2017/drought-is-over-for-now/>

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Drought is Over – For Now

In March, Thomas Love of the CVWD changed the conservation status sign from Yellow-Extraordinary to Blue-Standard/Voluntary. Though Gov. Brown declared the drought emergency over, both he and Love advise ongoing vigilance regarding conservation efforts.
By Charly SHELTON

On Friday, Gov. Jerry Brown issued Executive Order B-40-17, ending the drought state of emergency. After this year's unprecedented rainfall and snowpack, things are looking good. For now.

"This drought emergency is over, but the next drought could be around the corner," Gov. Brown said in a statement released Friday. "Conservation must remain a way of life."

The order lifted the drought emergency in all counties except Fresno, Kings, Tulare and Tuolumne where drinking water projects will continue to help provide relief. And while EO B-40-17 rescinds the emergency status, conservation actions will remain in effect to guard against falling back into a drought as Gov. Brown said.

Coinciding with this, state agencies issued a plan to establish new legislation to cement long-term and large-scale water conservation efforts and better planning for any future droughts.

In the Crescenta Valley, the Verdugo Groundwater Basin is still lower than it should be, said Tom Love, general manager of the Crescenta Valley Water District. It is at the lowest level it has been since record keeping began, and it's 40% down from where it was when the drought cycle began. But the recent rains are still soaking in, and locally we will begin to see the levels rise a bit in the next month or so, with full saturation within 12-18 months. But this is not our only water resource.

"While the Verdugo Groundwater Basin is very low, the availability of imported water is great. That's the water we get from Metropolitan Water District, through Foothill Water District, which comes from the Colorado River Aqueduct and the State Water Project," Love said. "In fact, I've been watching the eight station index report – that's

the northern Sierra precipitation – and it is now 0.3 inches below the wettest year ever recorded. That’s a major part of the supply to the State Water Project.”

The rainfall was huge and things are improving, but the importing of water from out of the area is a tricky issue, going through many layers and agencies before reaching a faucet. As JPL Climatologist and Oceanographer Bill Patzert said earlier this year in an interview with CV Weekly, one year of heavy rain isn’t enough to fix everything.

“It took us many, many years to deplete the groundwater basins here in the San Gabriel Valley and there’s no quick fix,” Patzert said. “The other thing is our other two sources of water, which are imported water from northern California and the Colorado River. Lake Mead is at record low levels and it will take decades to refill it. Not years, but decades. And at this point, it’s not clear how much water the State Resources Board will allocate for Southern California this summer and into the fall. At this point, we’re importing 70% of our water, so who cares how much it rains here because it will take months, years to fill up the groundwater basins.”

It is hoped that the water imported from other agencies, such as Metropolitan Water District, will be allocated to the CVWD in great enough quantity this year so that CVWD will be able to maintain its Water Conservation Alert Status which the agency changed from Extraordinary to Standard/Voluntary two weeks before Gov. Brown lifted the state of emergency.

“Those that we call standard conservation practices should be practiced all the time,” Love said. “Some examples of what those include are no hosing down your driveway, don’t allow excessive runoff when watering your lawn, no watering within 48 hours after a rain, and more. In other words, for what it means to us, we already have those permanent water standards incorporated into our water conservation ordinance.”

[Charly Shelton](#)

From: [Thomas Love](#)
Bcc: [J Bodnar](#); [James Bodnar](#); [Judy Tejada](#); [K Erickson](#); [Ken Putnam](#); [Kerry Erickson](#); [Michael Claessens](#); [Tom Bunn](#)
Subject: Follow up - Cloudy Water Complaints in Montrose
Date: Thursday, April 13, 2017 7:32:11 AM

Directors, the cloudy water issue was minor. Only a few customers appear to have been affected. The cloudy water cleared up immediately when the customers plumbing was flushed.

Tom

From: Thomas Love
Sent: Wednesday, April 12, 2017 12:05 PM
Subject: Cloudy Water Complaints in Montrose

To: Board Members, Legal Counsel.

Directors, we have received a few calls from customers in the Montrose restaurant area reporting brown cloudy water. The cause is likely recent pipeline flushing which is routine. Pipeline flushing can mobilize sediment which has accumulated in the pipeline and occasionally result in cloudy or colored water reaching customers.

Our crews are currently responding to each service location in the affected area starting with the restaurants and flushing the customers service as needed. The cloudy water is improving rapidly and we expect it will dissipate soon.

Our crews response time on this issue was excellent. At least one restaurant has expressed appreciation for the quick response.

More updates to follow.

Thomas A. Love, P.E.
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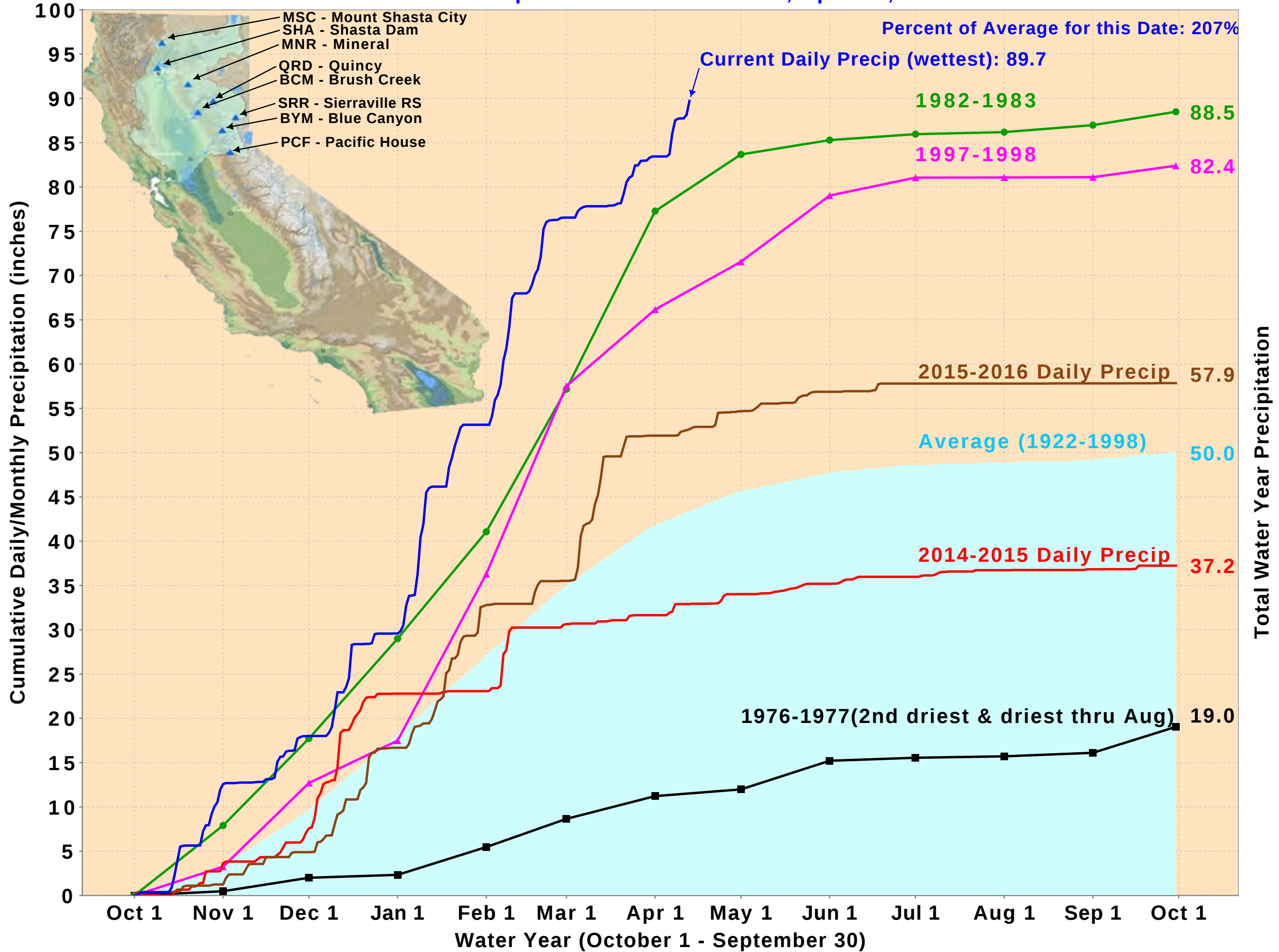
From: [Thomas Love](#)
Bcc: [J Bodnar](#); [James Bodnar](#); [Judy Tejada](#); [K Erickson](#); [Ken Putnam](#); [Kerry Erickson](#); [Michael Claessens](#); [Tom Bunn](#)
Subject: Northern Sierra Precipitation New Record
Date: Thursday, April 13, 2017 1:48:30 PM
Attachments: [Northern Sierra Precipitation New Record.pdf](#)

To: Board, Legal Counsel.

Directors, as expected precipitation in the North Sierra's has exceeded the previous wettest year on record. See attached chart.

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North Sierra Precipitation: 8-Station Index, April 13, 2017



CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

May 2, 2017
Staff Report

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

1. Water Production Report

- April 1 – 30 – Water production – 41%/59% split – 107.8 MG for the time period
- Average use – 16.0% more than 2016 and 0.5% less than 5-yr average
- Overall Estimated Water Production for FY 16/17 – 3,807 ac-ft, 3% higher than projected 3,700 ac-ft

2. Rainfall Update

- 0.15" for April 2017
- Rainfall total for Rainfall Year 2016/17 – 24.47"

3. Report on Engineering

- **CIP Projects**

- Ocean View Chloramination Project
 - Construction beginning 5/8/17
 - Agreements – Working with FMWD & LADWP
- Pipeline Projects
 - 4200 – 4400 Blocks of Pennsylvania – Project to Start on 5/15/17
- Pickens Canyon Pipeline Replacement and Slope Repair
 - Construction Progress
 - Slurry backfill of slope – completed 3/31/17
 - Import soil backfill for slope – Started 4/3/17, In Progress
 - Pipe installation – start 4/17/17, In Progress
 - Project complete by 5/12/17
- Seismic Sensors & Valve Actuators at Dunsmore & Pickens Reservoir
 - Pickens Reservoir – to be completed by end of April 2017

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

- 100% design plans and specifications, Staff Review – 5/1/17
- Plans submittal to Glendale Building & Safety for Permits – Complete
- RFQ to pre-order Electrical Motor Control Center sent out to vendors – 5/3/2017
- Motor Control Center Tentative Award of Contract – 5/16/2017

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

- Final Report submitted to DWR
- Presentation at future Board Meeting

- **ULARA**

- RFP for 3-year Watermaster services sent to consultants

- **Water Meter Replacement Program**

- Field crews continuing work on Zone 6 & 7, beginning Zone 11
- Replaced 345 meters in FY 16/17

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

• **Wells - Status**

- Well production capacity - averaging 1.60 MGD for April 2017
- Well 8 out of service – Work beginning May 2, 2017

5. **Field Maintenance & Operations**

▪ **Water Lateral Leaks & Repairs**

2743 Franklin	4456 Cloud	5147 Cloud
3916 Pennsylvania	5604 Freeman	5811 Edmund

▪ **Fire Hydrant Repair**

- No Report

▪ **Developer Job**

- No Report

▪ **Water Main Leaks**

- 3257 Brookhill

▪ **Booster Pump Maintenance**

- No Report

▪ **Reservoir Maintenance**

- No Report

▪ **Sewer Maintenance**

2600 - 2800 Blocks of El Caminito	4700-4900 Blocks of Glenwood	2800 Block of Stevens
2700 Block of Brookhill	4700 - 4800 Block of La Crescenta	2700 Block of Alabama
2700 Block of Orange	2700-2800 Blocks of Stevens	2800 Block of Los Olivos
2800 Block of Fairmount	2700 Block of Franklin	Vicwood
Ceciville		

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

April 1 - April 30, 2017

Well Production:	33,755,290	Gals		
GWP Production:	9,155,938	Gals		
Gravity Production:	1,121,000	Gals	% GW	41%
Purchased Water:				
FMWD:	63,801,125	Gals		
City of Glendale:	0	Gals	% Import	59%
TOTAL:	107,833,353	Gals		
	330.93	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	8,866,381		*Included in Well Production	

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
April 1, 2017 - April 30, 2017	3,594,445	
April 1, 2016 - April 30, 2016	3,098,822	16.0%
5-yr Average - April 2012 - 2016	3,614,272	-0.5%

RAINFALL: April 1 - April 30, 2017

0.15"

Season-To-Date:

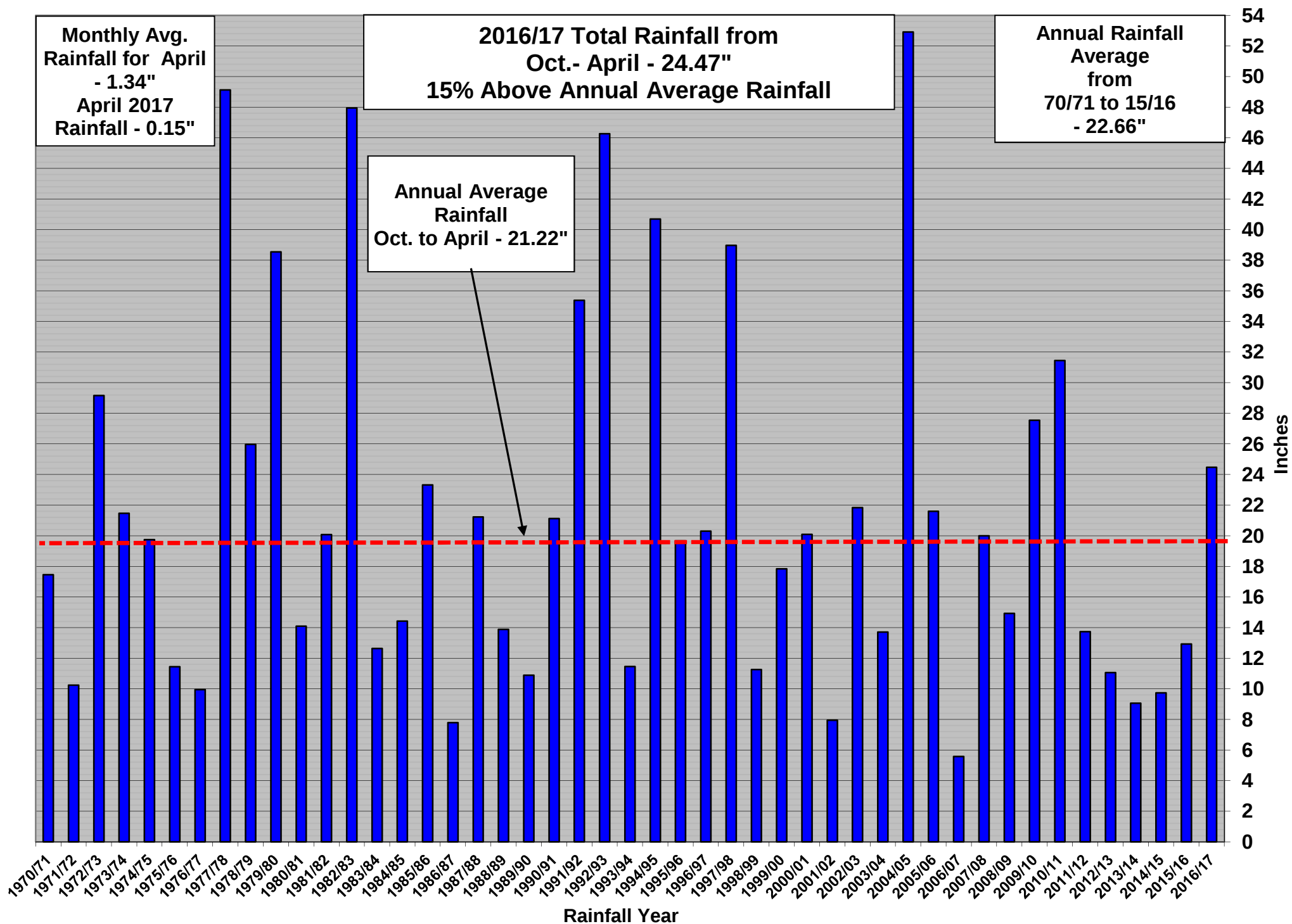
24.47"

2016/17 Fiscal Year Water Production			Groundwater Production Water Rights		GWP (Well 16) Water Production		Purchased Water Production Tier 2 Allocation	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Month	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	379	315	October	123	January	31	January	102
August	383	345	November	120	February	27	February	82
September	376	325	December	100	March	29	March	141
October	354	315	January	112	April	28	April	196
November	319	290	February	95	May		May	
December	277	250	March	108	June		June	
January	245	260	April	107	July		July	
February	205	285	May		August		August	
March	278	330	June		September		September	
April	331	325	July		October		October	
May		325	August		November		November	
June		335	September		December		December	
Total to Date	3,147	3,040	Total to Date	766	Total to Date	115	Total to Date	521
Projected	3,807	3,700	Water Rights	3,294			Tier 2	2,154
% of Projected	85.1%	82.2%	% of Rights	23%			% of Allocation	24%
Remaining	553	660	Remaining	2,528			Remaining	1,633

NOTE:

1) Blue Numbers = Estimated Water Production

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



CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

To: Honorable President and Members of the Board of Directors
From: Thomas A. Love
Subject: Staff Report

May 2, 2017

Water Conservation Updates:

On April 26, 2017, the State Water Resources Control Board (State) rescinded mandatory conservation standards for urban water suppliers. This action follows Governor Brown's ending the drought state of emergency, but keeps in place prohibitions against waste of water and mandatory water use reporting. Proposed legislation for the State to establish long-term water conservation measures "Make Conservation a California Way of Life", are still in development. (Press release attached)

The District's April report to the State for the month of March showed a 20% reduction in water used as compared with the same time in 2013 and a calculated Residential Gallons Per Capita per Day (R-GPCD) of 80.

On, April 17, 2017, the Foothill Municipal Water District's (FMWD) Board voted to amend the District Conservation Plan. (FMWD Conservation Plan attached). FMWD agencies and the Water Efficiency Team (WET) had met to discuss each District's current outdoor water policy (Table follows).

FMWD agencies agreed to delete Stage 2 – Green Alert (Increased Conservation), odd/even watering days and to rename Stage 1 Blue Alert, Normal Conservation as Standard Conservation (Mr. Love's suggestion). Standard Conservation will recommend that outdoor irrigation should be 3 days a week.

Staff will be presenting the Board with a revised water alert system for approval in the near future. Presently, the District has replaced the word "Voluntary" with "Standard" on the Blue Alert Signs that are posted throughout the District.



*"Voluntary" Conservation becomes
"Standard" Conservation*



	FMWD / CVWD, LCID, VWC	Pasadena	Glendale	Burbank
Base Level	None	3 days a week year round	None (Base Level is Stage 1)	None (Base Level is Stage 1)
Stage 1 BLUE	No limitations	3 days a week (Apr.-Oct.), 1 day a week (Nov.- Mar.)	No limitations	3 days a week year round
Stage 2 GREEN	Odd / even days based on customer address	2 days a week (Apr.-Oct.), 1 day a week (Nov.- Mar.)	3 days a week year round	3 days a week (Apr.-Oct.), 1 day a week (Nov.- Mar.)
Stage 3 YELLOW	3 days a week	1 day a week year round	2 days a week year round	2 days a week (Apr.-Oct.), 1 day a week (Nov.- Mar.)
Stage 4 ORANGE	2 days a week	Emergency condition / no outdoor watering	1 day a week year round	1 day a week year round
Stage 5 RED	Emergency condition / no outdoor watering	None	Irrigation of trees and shrubs only: 2 days per month	Irrigation of trees and shrubs only: 2 days per month
Stage 6	<i>None</i>	None	None	Emergency condition / no outdoor watering

Table prepared by FMWD

Water Quality Update:

- The District has submitted it's annual report to the State that is Due May 1st each year.
- The District is currently working on producing its annual Consumer Confidence Report (CCR). This report, done as a mailer, will be distributed to customers sometime in late June.

Submitted by:



Christy J. Scott



Media Release

State Water Board Rescinds Mandatory Conservation Standards; Reporting Requirements and Prohibition on Water Waste Remain

FOR IMMEDIATE RELEASE
April 26, 2017

Contact: George Kostyrko
george.kostyrko@waterboards.ca.gov

SACRAMENTO —Today the State Water Resources Control Board [rescinded](#) the water supply “stress test” requirements and remaining mandatory conservation standards for urban water suppliers while keeping in place the water use reporting requirements and prohibitions against wasteful practices.

The action by State Water Board Executive Director Tom Howard was in response to Governor Brown’s announcement earlier this month [ending the drought state of emergency](#) and transitioning to a permanent framework for making water conservation a California way of life.

The Governor’s April 7 [executive order](#) directs the State Water Board to lift the specific conservation provisions of its [drought emergency regulations](#) but to keep in place the temporary requirements for monthly water use reporting and prohibitions against wasteful water use practices while the Board works to develop permanent reporting and wasteful use regulations. The temporary requirements will remain in effective until Nov. 25, when the emergency regulation expires.

The current prohibitions against wasteful water use practices include outdoor watering during or within 48 hours after a rain event; hosing down a sidewalk instead of using a broom or a brush; and overwatering a landscape to where water is running off onto the sidewalk or into the gutter.

The long-term [conservation framework](#), also released on April 7, includes recommendations to establish permanent water conservation standards and improved agricultural and urban water management planning to better prepare for more frequent and severe droughts due to climate change. These actions will help achieve a top priority of the [California Water Action Plan](#) - to improve long-term drought preparedness and “Make Conservation a California Way of Life.”

As part of the framework, the Governor released [proposed legislation](#) to establish long-term water conservation measures and improved planning for more frequent and severe droughts. Among other things the proposed legislation:

- Requires the State Water Board, in consultation with the Department of Water Resources (DWR), to set long-term urban water use efficiency standards by May 20, 2021;



- Includes a robust public participation process to provide the State Water Board and DWR with critical input from local agencies, tribal governments, nongovernmental organizations, the business sector, academics, and others;
- Requires urban water suppliers to plan for droughts lasting five or more years; and
- Establishes new drought planning and water efficiency reporting requirements for agricultural water suppliers.

###

RESOLUTION NO. 871-0417

A RESOLUTION OF THE BOARD OF DIRECTORS OF FOOTHILL MUNICIPAL WATER DISTRICT AMENDING THE DISTRICT'S CONSERVATION PLAN AND REPEALING RESOLUTION NO. 856-0516

**BE IT RESOLVED BY THE BOARD OF DIRECTORS OF FOOTHILL
MUNICIPAL WATER DISTRICT as follows:**

1. Purpose.

This resolution amends a conservation plan. The plan will be implemented in stages to reflect the increasing shortage of water supply. The Board will regularly examine the adequacy of the water supply and from time-to-time, make findings concerning the stage of shortage, if any. The Board anticipates voluntary measures will be effective to address most shortages but the board will conduct a duly-noticed public hearing to consider mandatory water allocation if necessary.

2. Findings.

The State of California experiences wide shifts in water supply availability. The District's source of supply is from the Metropolitan Water District of Southern California (Metropolitan) which imports water from Northern California and the Colorado River.

Recent storms in Northern California boosted many reservoir levels to historic highs thus ending drought conditions for many regions across the state. With this hydrology, Metropolitan saw a favorable increase to its State Water Project allocation.

However, impacts remain on imported water supplies due to environmental protections in the Sacramento-San Joaquin Delta and extended drought on the Colorado River Basin. Local groundwater basins are also at historic lows and need to recover from depressed water table elevations.

Climate change also affects hydrology where a deluge of precipitation can occur in one year followed by many years of below average precipitation.

As a result, the District looks to amend its Conservation Plan and institute a Water Shortage Stage system that better reflects water supply conditions and aligns with long-term water use goals.

3. Shortage Stages.

The District will aggressively institute water conservation measures, based on defined shortage levels. For the purposes of this plan, the shortage condition will be described as one of the listed below. Orders by the State concerning conservation or water use may preempt the definitions described for each shortage stage.

(a) Stage 1: Standard Water Conservation. Foothill can meet all Member Agency demands. Standard water conservation applies. Conserved water can be put into storage to meet future demands thereby reducing the exposure to higher shortage stages. (0% shortage)

(b) Stage 2: Extraordinary Conservation. Supplies are impacted. Extraordinary conservation is called for from consumers. Water is likely being withdrawn from storage. Allocation is avoided because of extraordinary conservation by customers. (0% shortage)

(c) Stage 3: Allocation. Metropolitan has implemented its allocation plan to its member agencies, thus supplies are limited. Water is being withdrawn from storage to meet customer needs. To extend the use of this storage to meet demands, conservation at an urgent level is called upon. (Up to 50% shortage for the District)

(d) Stage 4: Critical. Water supplies are only available for health and safety needs. This could be because of hydrology, shutdown of facilities for maintenance or emergency event. (50% or greater shortage for the District)

4. Stage 1 Measures.

During Stage 1:

(a) **Limits on Watering Days:** Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to three (3) days per week.

(b) **Education Materials:** The District will offer educational materials to its customers in the efficient use of water to help customers conserve water. The District will furnish customers with water conservation information.

(c) **Leaks:** Customers shall conserve water supplied by the District by the prevention and elimination of all waste of leakage of water. Leaks from any facility both inside and outside of a customer's premises must be repaired within seventy-two hours after the customer is notified of, or discovers the leak. Residents are requested to report any observed waste of water from surrounding properties or in the community and report to their local water provider for follow-up.

(d) **New Plumbing Fixtures:** All new plumbing fixtures installed within the District service area must conform to the following requirements:

(1) Toilets shall use less than 1.28 gallons per flush.

(2) Showerheads shall flow at less than 2.0 gallons per minute.

(3) Non-residential lavatory faucets shall be metering or self-closing.

(4) Urinals shall use not more than 0.125 gallons per flush.

(e) **Recycled Water:** Where recycled water is available and appropriate, the use of potable water for irrigation purposes shall be considered a waste of potable water. Upon written notice from the General Manager that recycled water is available and appropriate for use, the customer shall have 60 days to commence the use of recycled water. Thereafter, all potable water, which is delivered to the property for irrigation shall be charged at a rate of 150% of the then current potable water rate. As used in this section, "available" means a district-recycled water main is contiguous to the site in question.

As used in this section, "appropriate" means the proposed use is

acceptable to the Department of Health Services and the Regional Water Quality Control Board.

(f) **Construction Activities:** Potable water shall not be used for construction activities such as compaction and dust control when recycled water is available and appropriate. As used in this paragraph, “available” also means the cost of required recycled water, when added to the cost of required recycled water conveyance facilities, is less than or equal to the cost of an equivalent amount of potable water priced at 150% of regular potable water rates, plus the cost of necessary potable water conveyance facilities. Both potable and nonpotable water for construction purposes including but not limited to de-brushing of vacant land, compaction of fills and pads, trench backfill and other construction uses, shall be used in an efficient manner which will not result in runoff.

(g) **Runoff Elimination:** It is the desire of the District to effect conservation of water resources whenever possible, such measures being consistent with legal responsibilities to seek to wisely utilize the water resources of the State of California and the District. No irrigation of new or existing parks, median strips, landscaped public areas or landscaped areas, lawns, or gardens surrounding single-family homes, condominiums, townhouses, apartments, and industrial parks shall occur in such a way as to waste water. The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures is prohibited.

(h) **Limits on Watering Hours:** Watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited between the hours of 9:00 a.m. and 5:00 p.m. Pacific Standard Time on any day, except by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shut-off nozzle or device, or for very short periods of time for the purpose of adjusting or repairing an irrigation system.

(i) **Limit on Watering Duration:** Watering or irrigating of lawn, landscape or other vegetated area with potable water using a landscape irrigation system or a watering device not continuously attended is limited to no more than ten (10) minutes watering per day per station. This subsection does not apply to landscape irrigation systems using only very low-flow drip type irrigation systems when no emitter produces more than two (2) gallons of water per hour and weather based controllers or stream rotor sprinklers that meet a 70% efficiency standard.

(k) **Outdoor Water Use:** Irrigation of turf and ornamental landscapes is prohibited during and 48 hours following measurable precipitation.

(j) **New Landscapes & Retrofits:** New landscaping and retrofits subject to the 2015 Model Water Efficient Landscape Ordinance¹ (MWELO) shall conform to its requirements. Per § 490.1. Applicability, this includes, but is not limited to: new construction projects with an aggregate landscape area equal to or greater than 500 square feet requiring a building or landscape permit, plan check or design review; and rehabilitated landscape projects with an aggregate landscape area equal to or greater

1. CCR Title 23, Division 2, Chapter 2.7. Model Water Efficient Landscape Ordinance (2015):
<https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I55B69DB0D45A11DEA95CA4428EC25FA0&originationContext=documenttoc&transitionType=Default&contextData=%28sc.Default%29>

than 2,500 square feet requiring a building or landscape permit, plan check or design review.

(l) **New Construction:** The irrigation with potable water of landscapes outside of newly constructed homes and buildings must be consistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.

(m) **No Installation of Single Pass Cooling Systems:** Installation of single pass cooling systems is prohibited in buildings requesting new water service

(n) **No Washing Down Hard or Paved Surfaces:** Washing down hard or paved surfaces, including but not limited to sidewalks, walkways, driveways, parking areas, tennis courts, patios or alleys, is prohibited except when necessary to alleviate safety or sanitary hazards, and then only by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shut-off device, a low-volume, high-pressure cleaning machine equipped to recycle any water used, or a low-volume high-pressure water broom.

(o) **Fountains and Water Features:** Re-circulating Water Required for Water Fountains and Decorative Water Features: Operating a water fountain or other decorative water feature that does not use re-circulated water is prohibited.

(p) **Limits on Washing Vehicles:** Using water to wash or clean a vehicle, including but not limited to any automobile, truck, van, bus, motorcycle, boat or trailer, whether motorized or not is prohibited, except by use of a hand-held bucket or similar container or a hand-held hose equipped with a positive self-closing water shut-off nozzle or device. This subsection does not apply to any commercial car washing facility or commercial service station; where health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles which transport food and perishables.

(q) **No Installation of Non-re-circulating in Commercial Car Wash and Laundry Systems:** Installation of non-re-circulating water systems is prohibited in new commercial conveyor car wash and new commercial laundry systems.

(r) **Commercial Car Wash Systems:** Effective on July 1, 2009 all commercial conveyor car wash systems must have installed operational re-circulating water systems, or must have secured a waiver of this requirement from their local water purveyor.

(s) **Drinking Water Served Upon Request Only:** Eating or drinking establishments, including but not limited to a restaurant, hotel, cafe, cafeteria, bar, or other public place where food or drinks are sold, served, or offered for sale, are prohibited from providing drinking water to any person unless expressly requested.

(t) **Commercial Lodging Establishments Conservation Notice:** Commercial lodging establishments are requested to post notices informing their guests about the District's water conservation policy and urging guests to conserve water.

(u) **Commercial Lodging Establishments Must Provide Guests Option to Decline Daily Linen Services:** Hotels, motels and other commercial lodging establishments must provide customers the option of not having towels and linen laundered daily. Commercial lodging establishments must prominently display notice of

this option in each bathroom using clear and easily understood language.

(v) **Pre-Rinse Spray Valve:** Restaurants Required to Use Water Conserving Dish Wash Spray Valves: Food preparation establishments, such as restaurants or cafes, are prohibited from using non-water conserving dish wash spray valves.

(w) **Windy and Rainy Days:** No watering, sprinkling or irrigating shall take place in any landscaped or vegetated areas on days when the wind is blowing causing overspray, and on days when it is raining.

(x) **Fire Hydrants:** The use of potable water from fire hydrants shall be limited to firefighting related activities or other activities immediately necessary to maintain the health, safety, and welfare of the residents of the District.

(y) **Homeowner's Association:** Imposing or threatening to impose a fine, assessment, or other monetary penalty against any owner of a separate interest for reducing or eliminating the watering of vegetation or lawns during a declared drought emergency, as described in section 4735, subdivision (c) of the Civil Code.

(z) **Public Street Medians:** Irrigation with potable water of ornamental turf in public street medians is prohibited.

5. Stage 2 Measures.

(a) During Stage 2, the District shall encourage a reduction in water deliveries from the District-to-District customers.

(b) In addition to the prohibited uses of water identified in Section 4 above, the board may prohibit wasteful practices and implement conservation measures during a water shortage, including restrictions on the following:

Limits on Watering Days: Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to three (3) days per week on Tuesdays, Thursdays and Saturdays. During the months of November through March, watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to no more than two (2) days per week on Tuesdays and Saturdays. This provision does not apply to landscape irrigation zones that exclusively use very low-flow drip type irrigation systems when no emitter produces more than two (2) gallons of water per hour. This provision also does not apply to watering or irrigating by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shut-off nozzle or device, or for the express purpose of adjusting or repairing an irrigation system."

6. Stage 3 Measures.

(a) During Stage 3, the District shall encourage a reduction in water deliveries from the District-to-District customers based on the amount of water Metropolitan Water District of Southern California reduces to it. Based on the shortage level declared by Metropolitan, the District shall allocate its water to the retail agencies as described in Attachment A. The amount of water allocated to each agency will be adopted by separate resolution and changed through a modified resolution when Metropolitan changes its allocation to the District.

(b) In addition to the prohibited uses of water identified in Section 4 and 5

above, the board where appropriate shall prohibit wasteful practices and implement conservation measures during a water shortage, including restrictions on the following:

(1) **Limits on Watering Days:** Watering or irrigating of lawn, landscape or other vegetated area with potable water is limited to two days per week. This provision does not apply to landscape irrigation zones that exclusively use very low flow drip type irrigation systems when no emitter produces more than two (2) gallons of water per hour. This provision also does not apply to watering or irrigating by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shut-off nozzle or device, or for the express purpose of adjusting or repairing an irrigation system.

(2) **Obligation to Fix Leaks, Breaks or Malfunctions:** All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired within forty-eight (48) hours of notification by the local water purveyor unless other arrangements are made with the local water purveyor.

(3) **Limits on Filling Ornamental Lakes or Ponds:** Filling or re-filling ornamental lakes or ponds is prohibited, except to the extent needed to sustain aquatic life, provided that such animals are of significant value and have been actively managed within the water feature prior to declaration of a supply shortage level under this plan.

(4) **Limits on Washing Vehicles:** Using water to wash or clean a vehicle, including but not limited to, any automobile, truck, van, bus, motorcycle, boat or trailer, whether motorized or not, is prohibited except by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shut-off nozzle or device, by high pressure/low volume wash systems, or at a commercial car washing facility that utilizes a re-circulating water system to capture or reuse water.

7. Stage 4 Measures.

(a) During Stage 4, the District shall cease deliveries to District customers unless required for health and safety reasons and local agency water is not sufficient to meet needs.

(b) In addition to the prohibited uses of water identified in Section 4, 5, and 6 above, the board shall prohibit wasteful practices and implement conservation measures during a water shortage, including restrictions on the following:

(1) **No Watering or Irrigating:** Watering or irrigating of lawn, landscape or other vegetated area with potable water is prohibited. Any waivers to this restriction must be obtained from the local water purveyor.

(2) **Obligation to Fix Leaks, Breaks or Malfunctions:** All leaks, breaks, or other malfunctions in the water user's plumbing or distribution system must be repaired within twenty-four (24) hours of notification by the local water purveyor unless other arrangements are made with the local water purveyor.

8. Implementation.

Commencing on the date this resolution is adopted and after which Stage is declared and at each regular board meeting, the board of directors will consider a report by the General Manager concerning the then current water supply status. The board will change the stage designation as appropriate. However, the board will not impose mandatory measures without first conducting a duly-noticed public hearing pursuant to Water Code sections 350 *et seq.*, or 375 *et seq.*

9. Violation.

Any violation of this plan should be reported either to the areas local water purveyor or to the District at (818) 790-4036 or conserve@fmwd.com. District staff will contact the local water purveyor for follow up to the violation.

10. Other.

Resolution Number 856-0516 is hereby repealed. The secretary shall forthwith transmit a certified copy of this resolution to each member agency of the District, Metropolitan, and each city located within the District.

PASSED, APPROVED AND ADOPTED on April 17, 2017.

President

ATTEST:

Secretary

(SEAL)