

DESERT WATER AGENCY
JUNE 6, 2017



BOARD OF DIRECTORS
REGULAR MEETING AGENDA

REGULAR MEETING 8:00 A.M. OPERATIONS CENTER - 1200 SOUTH GENE AUTRY TRAIL – PALM SPRINGS – CALIFORNIA

About Desert Water Agency:

Desert Water Agency operates independently of any other local government. Its autonomous elected board members are directly accountable to the people they serve. The Agency is one of the desert's two State Water Contractors and provides water and resource management, including recycling, for a 325-square-mile area of Western Riverside County, encompassing parts of Cathedral City, Desert Hot Springs, outlying Riverside County and Palm Springs.

- 1. PLEDGE OF ALLEGIANCE**
- 2. APPROVAL OF MINUTES – May 16, 2017** **CIOFFI**
- 3. GENERAL MANAGER'S REPORT** **KRAUSE**
- 4. COMMITTEE REPORTS –**
 - A. Executive – May 30, 2017 **CIOFFI**
 - B. Conservation & Public Affairs – May 30, 2017 **CIOFFI**
 - C. Finance – June 1, 2017 **STUART**
- 5. PUBLIC INPUT:**

Members of the public may comment on any item not listed on the agenda, but within the jurisdiction of the Agency. In addition, members of the public may speak on any item listed on the agenda as that item comes up for consideration. Speakers are requested to keep their comments to no more than three (3) minutes. As provided in the Brown Act, the Board is prohibited from acting on items not listed on the agenda.
- 6. SECRETARY-TREASURER'S REPORT – APRIL** **BLOOMER**
- 7. ITEMS FOR ACTION**
 - Public Hearing Items (A-C):**
 - A. 2017/2018 Groundwater Replenishment Assessments **KRAUSE**
 - Whitewater River Subbasin
 - 1). Request Adoption of Resolution No. 1161 Making Findings in Fact Pursuant to Section 15.4 of Desert Water Agency Law for the Whitewater River Subbasin Replenishment Assessment
 - 2). Request Adoption of Resolution No. 1162 Levying a Replenishment Assessment for Fiscal Year 2017/2018 for the Whitewater River Subbasin
 - B. Mission Creek Subbasin
 - 1). Request Adoption of Resolution No. 1163 Making Findings in Fact Pursuant to Section 15.4 of Desert Water Agency Law for the Mission Creek Subbasin Replenishment Assessment
 - 2). Request Adoption of Resolution No. 1164 Levying a Replenishment Assessment for Fiscal Year 2017/2018 for the Mission Creek Subbasin
 - C. Garnet Hill Subbasin
 - 1). Request Adoption of Resolution No. 1165 Making Findings in Fact Pursuant to Section 15.4 of Desert Water Agency Law for the Garnet Hill Subbasin Replenishment Assessment
 - 2). Request Adoption of Resolution No. 1166 Levying a Replenishment Assessment for Fiscal Year 2017/2018 for the Garnet Hill Subbasin
- 8. ITEMS FOR DISCUSSION**
 - A. State Water Contractors' Meeting – May 18, 2017 **RIDDELL**
 - B. 2017/2018 Operating, General and Wastewater Budgets (DRAFT) **KRIEGER**
 - C. Director's Report on Conference/Seminar Attendance **BLOOMER**
 - D. Fire Hydrant and Sample Station Relocation Request at 2380 E. Smokewood Ave. **JOHNSON**

METZGER

9. OUTREACH & CONSERVATION

- A. Media Information
- B. Activities

10. DIRECTORS COMMENTS AND REQUESTS

11. CLOSED SESSION

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Agua Caliente Band of Cahuilla Indians vs. Coachella Valley Water District, et al
- B. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Agua Caliente Band of Cahuilla Indians vs. County of Riverside, et al
- C. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Mission Springs Water District vs. Desert Water Agency
- D. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Pursuant to Government Code Section 54956.8
Property: 0.504 acre west of Indian Canyon Drive between Racquet Club Rd. and Via Olivera
APN No. 504-260-026 and portions of APN No. 504-260-025 and 504-260-027
Agency Negotiators: Mark S. Krause, General Manager and Steven L. Johnson, Asst. General Manager
Negotiating Parties: Ayres Advisors
Under Negotiation: Price and terms
- E. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Pursuant to Government Code Section 54956.8
Property: Conveyance of Property APN No. 687-030-019 to City of Cathedral City and
Conveyance of Easement APN 677-420-021 to City of Cathedral City
Agency Negotiators: Mark S. Krause, General Manager and Steven L. Johnson, Asst. General Manager
Negotiating Parties: DWA and City of Cathedral City
Under Negotiation: Terms

12. RECONVENE INTO OPEN SESSION – REPORT FROM CLOSED SESSION

13. ADJOURN

**MINUTES
OF THE REGULAR MEETING
OF THE
DESERT WATER AGENCY
BOARD OF DIRECTORS**

2

May 16, 2017

DWA Board: James Cioffi, President) **Attendance**
Joseph K. Stuart, Vice President)
Patricia G. Oygar, Director)
Craig A. Ewing, Director)

Absent: Kristin Bloomer, Secretary-Treasurer)

DWA Staff: Mark S. Krause, General Manager)
Steve Johnson, Asst. General Manager)
Martin S. Krieger, Finance Director)
Sylvia Baca, Asst. Secretary of the Board)
Irene Gaudinez, Human Resources Mgr.)
Ashley Metzger, Outreach & Conserv. Mgr.)

Consultant: Michael T. Riddell, Best Best & Krieger)
David F. Scriven, Krieger & Stewart)

Public: David Freedman, P.S. Sustainability Comm.)
William Johnson, Palm Springs resident)

17823. President Cioffi opened the meeting at 8:00 a.m. and asked everyone to join Director Ewing in the Pledge of Allegiance. **Pledge of Allegiance**

17824. President Cioffi called for approval of the May 2, 2017 Regular Board meeting minutes. **Approval of 05/02/17 Regular Board Mtg. Minutes**

Director Oygar moved for approval. After a second by Vice President Stuart, the minutes were approved as written (Secretary-Treasurer Bloomer absent, Director Ewing abstained due to his absence).

17825. President Cioffi called upon General Manager Krause to provide an update on Agency operations. **General Manager's Report**

Mr. Krause stated on May 1 at approximately 7:35 p.m., a 2-inch polyethylene water service split open at Village Square North. The water ran for approximately 30 minutes. There was damage to the street and the pool flooded. Staff replaced 30 feet of service line (copper) and completed a large amount of cleanup. He noted there will be more

Water Service Break

replacements in the area this week.

Whitewater Deliveries

Mr. Krause stated for the month of April, approximately 38,680 acre-feet of water was delivered to the basin and the Whitewater Hydro generated 769,759 kWh, collecting \$67,517 from SCE (split with CVWD) for power produced.

Desert Palisade 1240
Booster

Mr. Krause noted that Cora Constructors performed the initial plant start-up for Desert Palisade 1240 Booster on May 3. All of the equipment operated as designed; all work was completed on May 12.

Memorial Day Holiday

Mr. Krause reminded everyone that Agency offices will be closed on Monday, May 29 in observance of Memorial Day.

System Leak Data
General Manager's
Meetings & Activities

Concluding his report, Mr. Krause noted the current system leak data; and meetings and activities he participated on during the past several weeks.

Public Input

17826. President Cioffi opened the meeting for public input.

Director Ewing noted that Mr. Johnson, DWA customer, had contacted him about addressing the Board at today's meeting.

There being no one from the public wishing to address the Board, President Cioffi closed the public comment period. He stated he would re-open public comment if/when Mr. Johnson arrives.

Items for Action:

17827. President Cioffi called upon General Manager Krause to present the 2017/2018 Groundwater Replenishment Assessments.

2017/2018
Groundwater
Replenishment
Assessments

Mr. Krause stated at its April 18 meeting, the Board discussed the draft Engineer's report on groundwater replenishment assessments for the Mission Creek, Whitewater River and Garnet Hill Subbasins. Today's meeting is attended to allow comments from the public. As indicated in the report, the proposed assessments for all three basins will be set at \$120 per acre-foot. Staff recommends a determination be made that funds should be raised by a replenishment assessment, and the Board set the time and place for public hearing on June 6, 2017 to consider resolutions of findings in fact and levying replenishment assessments for the Fiscal Year 2017/2018. He then asked Mr. Scriven to provide a brief overview of the revisions since the last discussion on this item.

Mr. Scriven noted the following changes to the report: 1) Exhibits 1 - 3 are hydrographs; 2) Estimated quantities of replenishment water were updated (Page II-15); 3) Minor clarifications on the extent of management areas; and 4) Explanation of accumulative gross overdraft.

Director Ewing inquired about Page III-3 and IV-3, Section E and the wording of increase, rather than decrease.

Action Items:
(Cont.)
2017/2018
Groundwater
Replenishment
Assessments

Mr. Scriven said he would review with his office to see if this was a typographical error. If so, page revisions will be sent to Agency staff to incorporate into the report.

Director Oygar moved to approve staff's recommendation, noting the clarification as mentioned. Director Ewing seconded the motion, which carried unanimously (Secretary-Treasurer Bloomer absent).

17828. President Cioffi re-opened public input in order to hear Mr. Johnson's comments.

Public Input - Reopened

Mr. Johnson, Palm Springs resident requested the Board look into removing the Agency's fire hydrant and test station at 2380 E. Smokewood Ave.

President Cioffi explained that the Brown Act prohibits the Board from acting on items not listed on the agenda. He requested management look into this matter and report back to the Board at a later date.

17829. President Cioffi called upon General Manager Krause to present staff's request for adoption of Resolution No. 1158 Nomination of Kristin Bloomer for candidate of California Special Districts Association (CSDA) Board of Directors.

Request Adoption of
Reso. 1158/Nominate
Kristin Bloomer CSDA

Mr. Krause stated the attached resolution is being considered for the nomination of Kristin Bloomer to CSDA's Board of Directors. CSDA recently announced the nomination period for the voting process. The deadline to receive nominations is May 19. CSDA will be mailing out ballots on June 2, with a deadline of August 4, 5:00 p.m. The majority of travel expenses associated with this position are handled through CSDA's reimbursement policy. It was noted that Ms. Bloomer is absent today because she is attending CSDA's Special District Leadership Academy. Staff requests the Board adopt Resolution No. 1158 placing in nomination Kristin Bloomer as Director of the Board of California Special Districts Association.

Director Oygar made a motion to adopt Resolution No. 1158. After a second by Director Ewing, the motion carried unanimously (Secretary-Treasurer Bloomer absent).

Action Items:
(Cont.)

RESOLUTION NO. 1158
A RESOLUTION OF THE BOARD OF DIRECTORS
OF DESERT WATER AGENCY PLACING IN
NOMINATION KRISTIN BLOOMER AS A
DIRECTOR OF THE BOARD OF THE
CALIFORNIA SPECIAL DISTRICTS ASSOCIATION

Resolution No. 1158
Adopted

17830. President Cioffi called upon Finance Director Krieger to present the request for adoption of Resolution No. 1159 Establishing an Account with Sun Community Federal Credit Union for Purposes of Investment.

Request Adoption of
Reso. 1159/Establish
Account with Sun
Community Federal
Credit Union

Mr. Krieger stated that this resolution authorizes establishment of accounts with Sun Community Federal Credit Union for the investment of DWA's Operating and General account funds (certificates of deposit). The funds invested with Sun Community stay in the local community and are utilized in the local economy. Staff would like to include them with other authorized investment firms in order to increase investment options for the Agency. Staff requests the Board adopt this resolution authorizing establishment of an account with Sun Community Federal Credit Union.

Director Ewing made a motion to adopt Resolution No. 1159. After a second by Vice President Stuart, the motion carried unanimously (Secretary-Treasurer Bloomer absent).

RESOLUTION NO. 1159
A RESOLUTION OF THE BOARD OF DIRECTORS
OF DESERT WATER AGENCY AUTHORIZING THE
ESTABLISHMENT OF ACCOUNTS WITH
SUN COMMUNITY FEDERAL CREDIT UNION
FOR PURPOSES OF INVESTMENT
(OPERATING FUND/GENERAL FUND)

Resolution No. 1159
Adopted

17831. President Cioffi called upon General Manager Krause to present the request for adoption of Resolution No. 1160 Supporting the Association of California Water Agencies (ACWA) Policy Statement on Bay-Delta Flow Requirements.

Request Adoption of
Reso. 1160/Support
ACWA Policy Stmt.
Bay-Delta Flow Req.

Mr. Krause stated that ACWA is requesting member agencies to consider adoption of a resolution regarding how the State Water Resources Control Board (SWRCB) is managing water quality objectives for the Bay-Delta region. In summary, the proposed resolution is requesting state agencies to advance both water supply and environmental goals

together. Staff recommends adoption of Resolution No. 1160 in support of ACWA's policy statement on Bay-Delta Flow requirements.

Action Items:
(Cont.)
Request Adoption of
Reso. 1160/Support
ACWA Policy Bay-
Delta Flow Req.

Director Oygar made a motion for adoption of Resolution No. 1160. After a second by Director Ewing, the motion carried unanimously (Secretary-Treasurer Bloomer absent).

RESOLUTION NO. 1160
RESOLUTION OF THE BOARD OF DIRECTORS
OF THE DESERT WATER AGENCY IN SUPPORT
OF THE ASSOCIATION OF CALIFORNIA
WATER AGENCIES' POLICY STATEMENT
ON BAY-DELTA FLOW REQUIREMENTS

Resolution No. 1160
Adopted

17832. President Cioffi asked General Manager Krause to report on the April water production figures.

Discussion Items:
April Water Production

Mr. Krause reported that the Agency and its customers achieved a 15.35 percent reduction in potable water production during April compared to April 2013. He noted the cumulative savings June 2015 through current is 24 percent. He also noted the amount of fresh water outflow to the ocean was 5,780,172 acre feet for April.

In response to President Cioffi, Mr. Krause explained the drought surcharge criteria.

17833. President Cioffi noted his attendance at the ACWA/JPIA meetings and the ACWA conference.

Directors' Report on
ACWA Conference
Attendance

Vice President Stuart reported his attendance at the ACWA conference.

Director Ewing noted his attendance at the ACWA conference and its Groundwater Committee meeting.

17834. At 9:00 a.m., President Cioffi convened into Closed Session for the purpose of Conference with Legal Counsel, (A) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), Agua Caliente Band of Cahuilla Indians vs. Coachella Valley Water District, et al; (B) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), ACBCI vs. County of Riverside, et al; (C) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), Mission Springs Water District vs. Desert Water Agency; and (D) Real Property Negotiators, pursuant to Government Code Section 54956.8, Property-0.504 acre west of Indian Canyon Drive between Racquet Club Rd. and Via Olivera, Agency Negotiators: Agency Negotiators: Mark S. Krause, General Manager and Steven L. Johnson, Assistant General Manager, Negotiating Parties: DWA and Ayres Advisors, Under Negotiation: Price and terms.

Closed Session:
A. Existing Litigation –
ACBCI vs. CVWD, et
al.
B. Existing Litigation –
ACBCI vs. Riverside
County
C. Existing Litigation –
MSWD vs. DWA
D. Real Property
Negotiators (DWA &
Ayres Advisors)

17835. At 10:58 a.m., President Cioffi reconvened the meeting into open session and announced there was no reportable action. **Reconvene –No Reportable Action**

17836. In the absence of any further business, President Cioffi adjourned the meeting at 11:00 a.m. **Adjournment**

James Cioffi, President

ATTEST:

Kristin Bloomer, Secretary-Treasurer

DRAFT

GENERAL MANAGER'S REPORT JUNE 6, 2017

On May 13 at approximately 5:20 p.m. stand-by personnel responded to a report of a hit fire hydrant at the corner of Waverly Dr. and Golf Club Dr. Staff replaced the bolts, gasket and put the fire hydrant back in service. A police report was made and the water loss was estimated for a fully open 6-inch fire hydrant riser which ran for approximately 30 minutes.



Whitewater Deliveries

For the month of May, approximately 39,000 AC-Ft of water was delivered to the basin and Whitewater Hydro generating approximately 761,400 kWh. The plant went offline for approximately 7 hours on May 26 due to SCE problems associated with high winds. Staff anticipates collecting approximately \$67,000 from SCE from the power produced.

LAKE PERRIS WATER RECOVERY PROJECT

On Monday May 15, DWA met with CVWD and MWD in Riverside to discuss the current status of the project. The briefing included discussion of agreements, costs, project schedule, CEQA, funding, project water yield, water rights and hydrogeology studies.

A funding agreement between MWD and DWR has been finalized and will soon be executed. It is an agreement for the funding of environmental analysis, planning, and preliminary design. The agreement states that the project will recover all seeped water and deliver it to MWD in addition to its current Table A water. The agreement states "MWD shall offer in writing to DWA and CVWD the opportunity to share this recovered water proportional to our relative maximum annual Table A amounts of Lake Perris". If DWA and/or CVWD decide to participate in this Project, MWD, DWA, and/or CVWD will need to execute additional funding agreements. DWA and CVWD have expressed their desire to see the findings of DWR's hydrologic study first before making the final decision to participate.

DWR's hydrogeological study is ongoing. It has been estimated that as much as 400,000 acre-feet of water has seeped underneath Perris Dam since it was constructed in 1974. However, a precise estimate of water yield is still to be determined. DWR is currently conducting a study which will be finalized soon and is presumed will provide a precise estimate water yield.

The table below shows estimated Project cost through preliminary design, CEQA analysis, and permitting that are already included in MWD's 2017 statement of charges:

Project Work Item	Estimated Project Cost
Task 1: Review and Compile Existing Information	\$250,000
Task 2: Field Assessment and Groundwater Modeling	\$3,000,000
Task 3: Preliminary Design, CEQA Analysis, and Permitting	\$4,000,000
Total (excludes construction, reporting and monitoring)	\$7,250,000

Overall DWR and MWD Costs incurred for planning, design and construction are estimated at between 25 to 27 million dollars (includes costs in table above). It is anticipated that DWR will issue Water System Revenue Bonds that will be recovered through MWD, DWA and CVWD's Statement of Charges. The \$7,250,000 is currently being billed to MWD in their statement of charges.

DWR will serve as the Lead Agency for the Project under CEQA, and MWD shall serve as a Responsible Agency.

California WaterFix

Significant progress has been made in the environmental review and approval of the project. A final decision is expected in late spring or early summer this year. This has made the State Water Contractors effort to resolve the method of cost of allocation all the more imperative. Significant progress has been made in this area, however more detailed analysis is necessary.

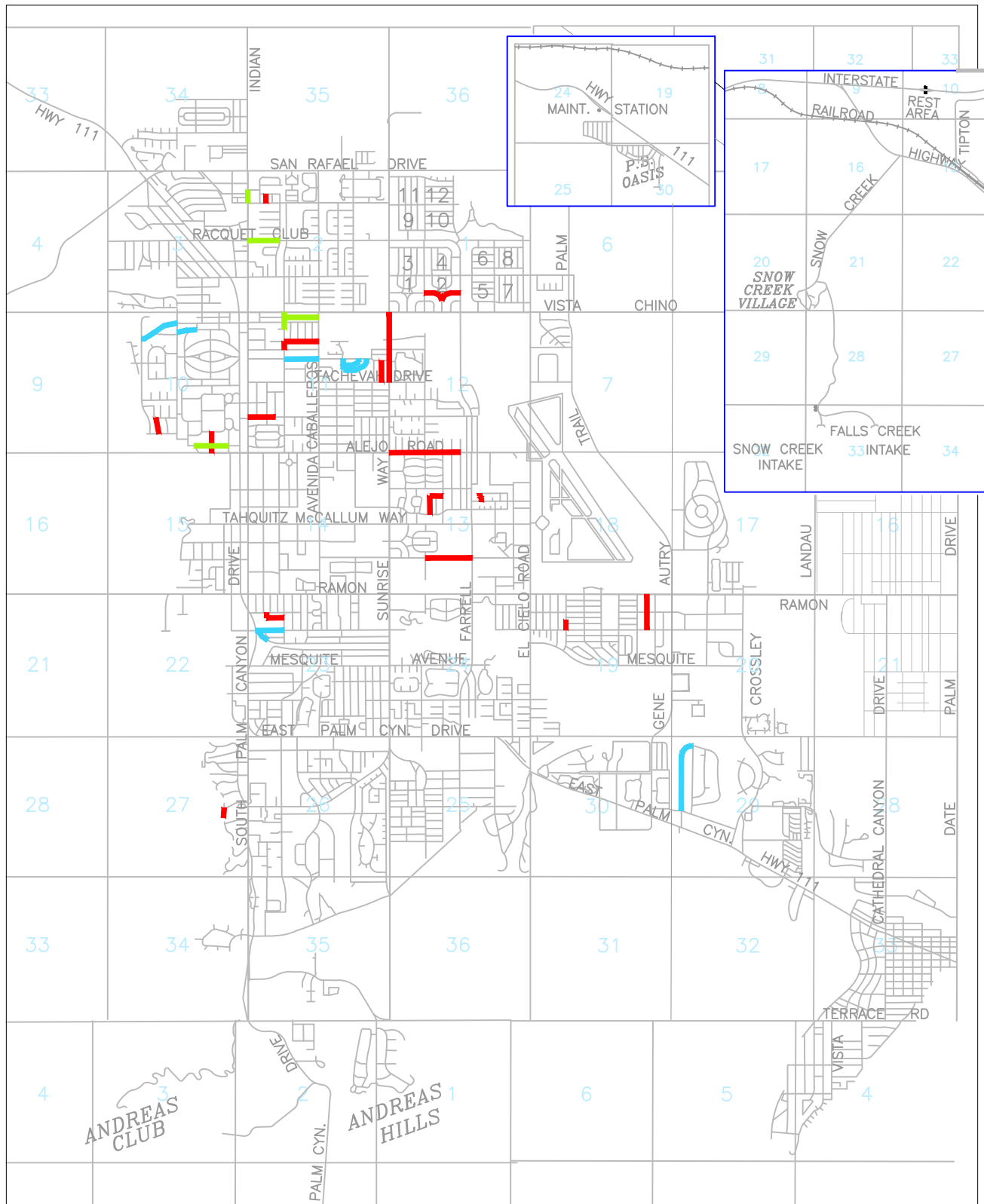
It is anticipated that DWA staff will present a series of white papers to the Board prepared by the State Water Contractors (Based on papers prepared by MWD). The papers will be presented this summer and fall. The papers will explain the physical infrastructure, the benefits and reasons for improving and modernizing the system; the operations and the water supply yield; and the cost allocation amongst the contractors and finance.

SYSTEM LEAK DATA		
(PERIOD BEGINNING MAY 10, 2017 THRU MAY 30, 2017)		
STREET NAME	QUARTER SECTION	NUMBER OF LEAKS
COTTONWOOD RD	4411NW	9
SUNNY DUNES RD	4423NW	5
LINDA VISTA RD	4411NE	4
PASEO EL MIRADOR	4411NW	4
VIA MIRALESTE	4411NW	3
CAHUILLA RD	4410SE	3
CAMINO NORTE	4410NE	2
BROADMOOR DR	4529NW	2
TERRY LN	4413NW	2
MICHELLE RD	4413NW	2
CALLE MARCUS	4411NE	2
PASATIEMPO RD	4411NE	1
STEVENS RD	4410NW	1
N RIVERSIDE DR	4423NW	1
CHINO RD	4410SE	1
INDIAN CANYON DR	4402NW	1
RACQUET CLUB RD	4402NW	1
TAMARISK RD	4411SW	1
AVENIDA CABALLEROS	4411NW	1
ALEJO RD	4412SW	1
VIA VAQUERO	4413SE	1
OLEANDER RD	4519NE	1
WYMAN DR	4402NW	1
CHIA RD	4411NW	1
EASMOR CIR	4413NE	1
CAMINO MONTE	4427SE	1
DESERT PARK AVE	4401SW	1
CALLE CHIA	4423NW	1
HIGH RD	4410SW	1
EL PLACER RD	4519NW	1

TOTAL LEAKS IN SYSTEM:	57
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* Streets highlighted in blue are being replaced as part of the 2016/2017 Replacement Pipeline Project

* Streets highlighted in green are included as part of the proposed list of streets for the 2017/2018 Replacement Pipeline Project



SYSTEM LEAKS

(Period beginning May 10, 2017 thru
May 30, 2017)

DESERT WATER AGENCY
PALM SPRINGS, CALIFORNIA

LEGEND

- LEAK(S) RECORDED
- LEAK(S) RECORDED;
INCLUDED IN 2016/17
REPLACEMENT PIPELINES
- LEAK(S) RECORDED;
INCLUDED IN PROPOSAL
FOR 2017/18
REPLACEMENT PIPELINES

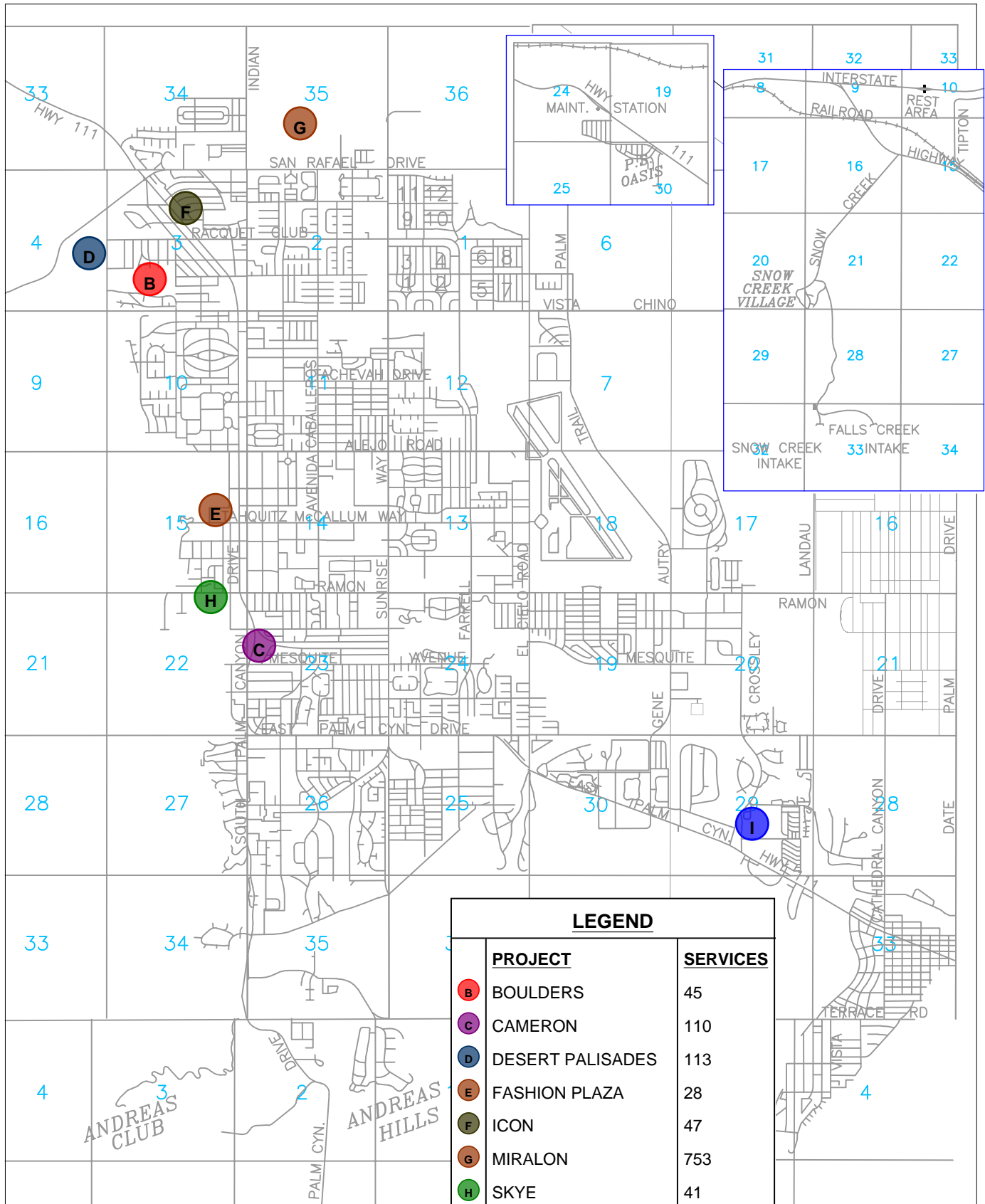
DWG. BY
SR



DATE
5/17

SCALE
NTS

EXHIBIT
"A"



LEGEND		
PROJECT	SERVICES	
B BOULDERS	45	
C CAMERON	110	
D DESERT PALISADES	113	
E FASHION PLAZA	28	
F ICON	47	
G MIRALON	753	
H SKYE	41	
I THE DISTRICT	50	

DEVELOPER PROJECTS

DWA SERVICE AREA

DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA

DATE

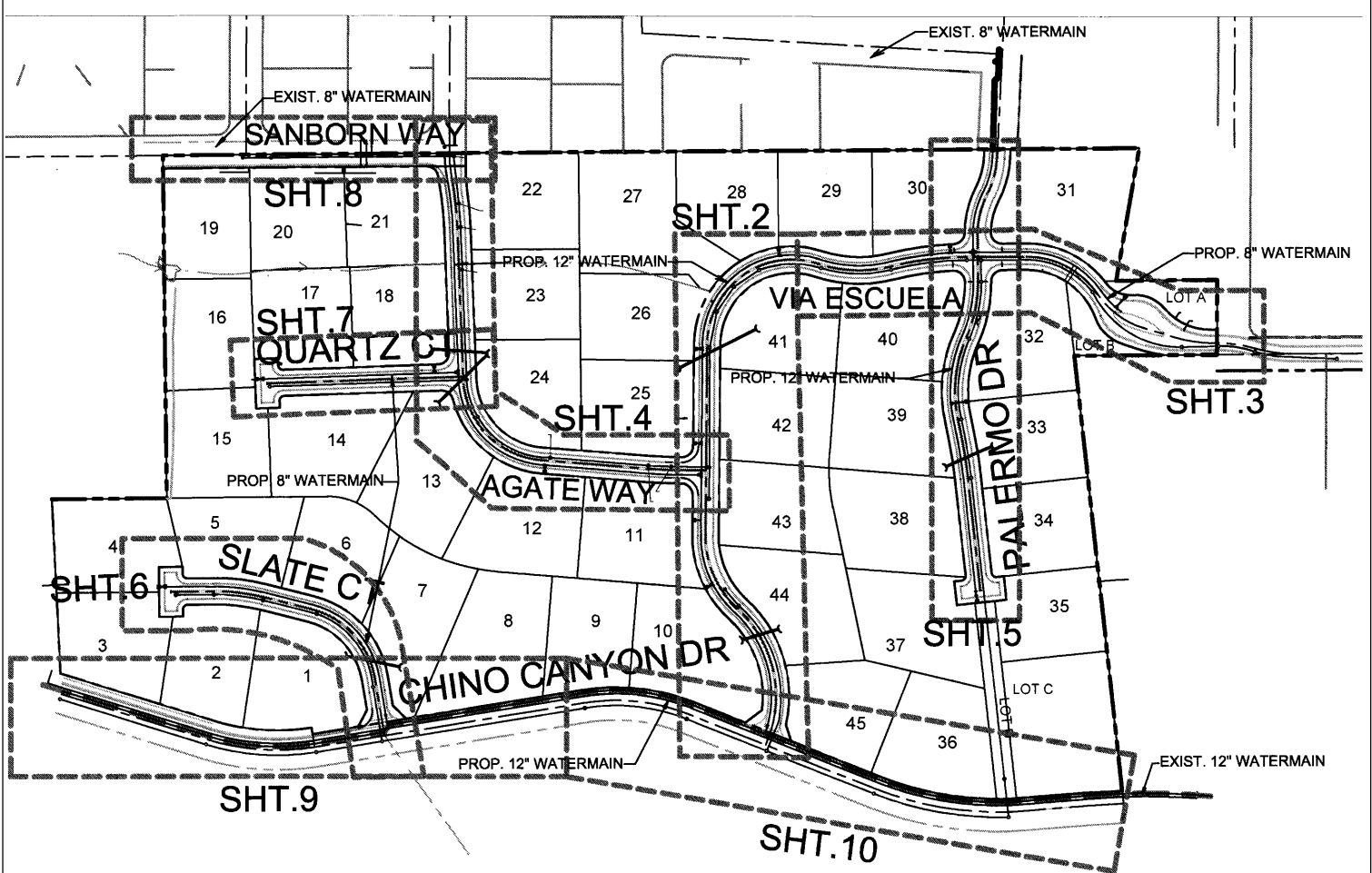
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SCALE

NTS



EXHIBIT
"A"



PROJECT INFORMATION

PROJECT IS ON A 30.4 ACRE SUBDIVISION: COMMUNITY OF 45 SINGLE FAMILY RESIDENTIAL LOTS WITH CUSTOM BUILT HOMES.

PROJECT DETAILS

- 1,371 L.F. OF 8" D.I. WATER MAIN
- 4,526 L.F. OF 12" D.I. WATER MAIN
- 45 RESIDENTIAL 1" WATER SERVICES
- NEW DRAINLINE FROM UPPER TO LOWER RSEVIOR TO BE DESIGNED AND INSTALLED BY DEVELOPER ALONG CHINO CANYON DR

PROJECT STATUS

- PROJECT IS STARTING ITS 3RD PLAN CHECK

**THE BOULDERS
TRACT 31095**

WESSMEN HOLDINGS, LLC

LEGEND

DATE

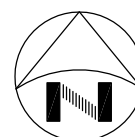
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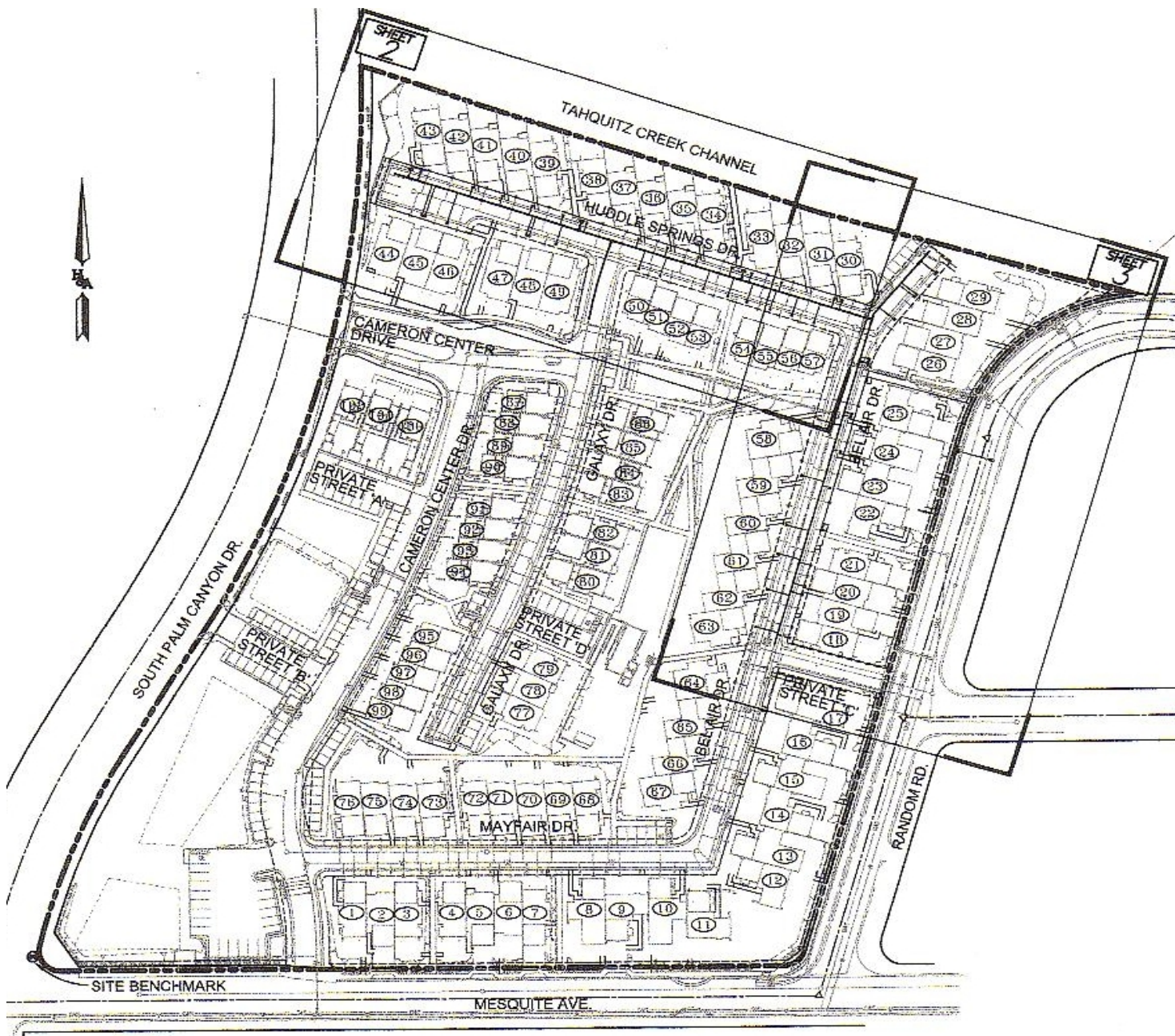
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DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



**PROJECT
"B"**



PROJECT INFORMATION

PROJECT IS ON A 11.5 ACRE LOT: GATED COMMUNITY OF 80 TOWNHOMES, 22 THREE-STORY "LIVE-WORK UNITS" AND 15,000 SQ. FT. OF RETAIL SPACE.

PROJECT DETAILS

- 3,067 L.F. OF 8" D.I. WATER MAIN
- 85 L.F. OF 12" D.I. WATER MAIN
- 102 RESIDENTIAL 1" WATER SERVICES
- 5 COMMERCIAL WATER SERVICES
- 15 RESIDENTIAL FIRE HYDRANTS
- 3 IRRIGATION WATER SERVICES

PROJECT STATUS

- PROJECT IS PHASED IN 2 PARTS
- PHASE 1.-- STILL IN CONSTRUCTION
- PHASE 2.-- START IS PENDING

THE CAMERON PHASE 2 TRACT NO. 33575

CAMERON LLC

LEGEND

DATE

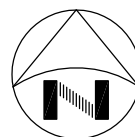
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SCALE

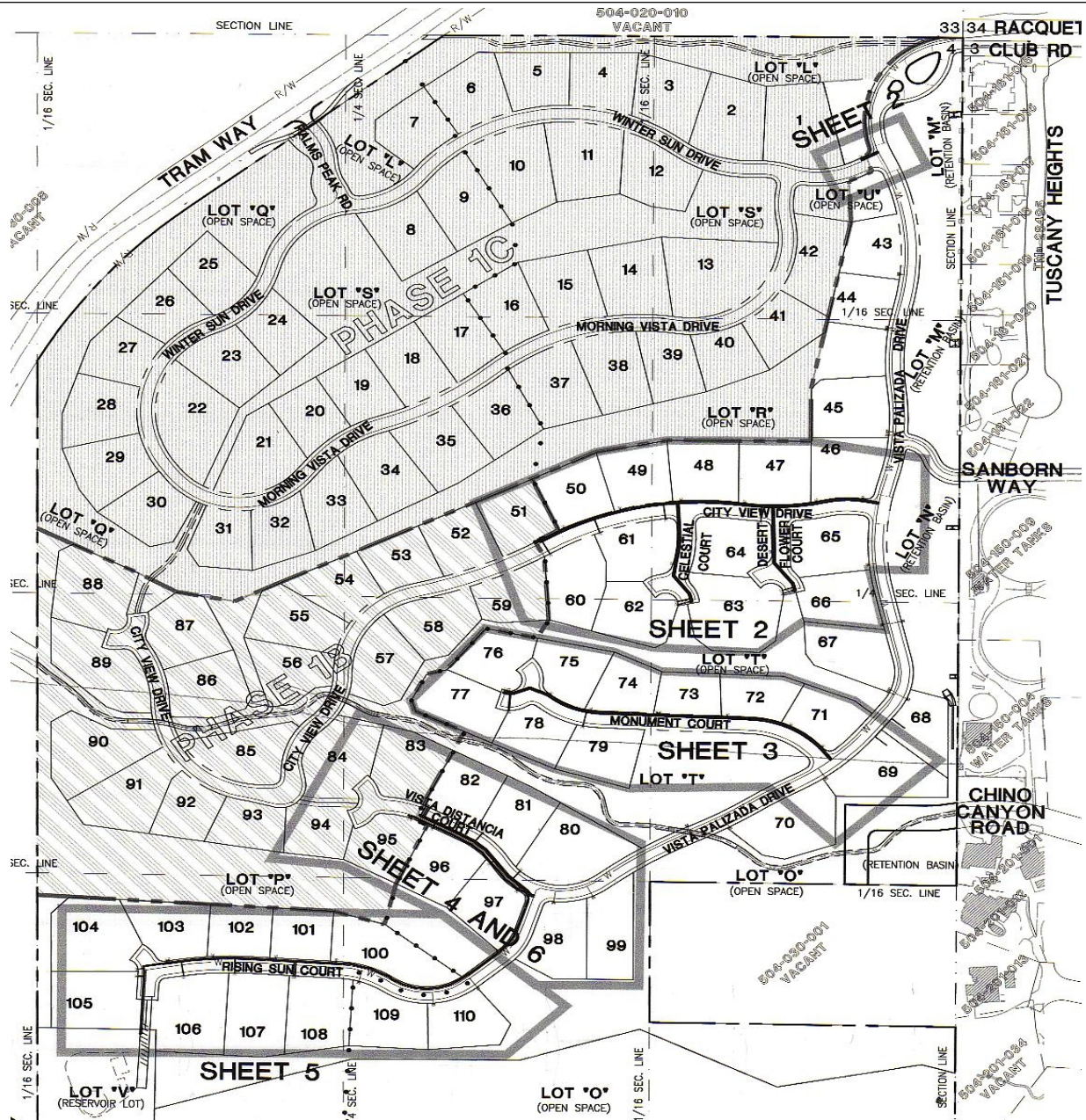
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DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



PROJECT "C"



PROJECT INFORMATION

SINGLE FAMILY RESIDENTIAL COMMUNITY CONSISTING OF 110 CUSTOM HOME SITES WITH A SEPARATE LOT OF 1.7 ACRES FOR DWA RESERVOIR SITE TO PROVIDE DOMESTIC WATER.

PROJECT DETAILS

- 3532 L.F. OF 16" D.I. TRANSMISSION LINE
- 6110 L.F. OF 12" D.I. WATER MAIN
- 110 RESIDENTIAL 2" WATER SERVICES
- 20 RESIDENTIAL FIRE HYDRANTS
- 3 IRRIGATION WATER SERVICES
- 0.5 M.G. STEEL RESERVIOR
- 1 BOOSTER STATION

PROJECT STATUS

- PROJECT LOCATED IN TWO PRESSURE ZONES.
- HAS BEEN ACCEPTED INTO OUR SYSTEM.
- JOB COMPLETED.

DESERT PALISADES
TRACT NO. 35540

PINNACLE VIEW, LLC.

LEGEND

DATE

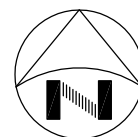
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SCALE

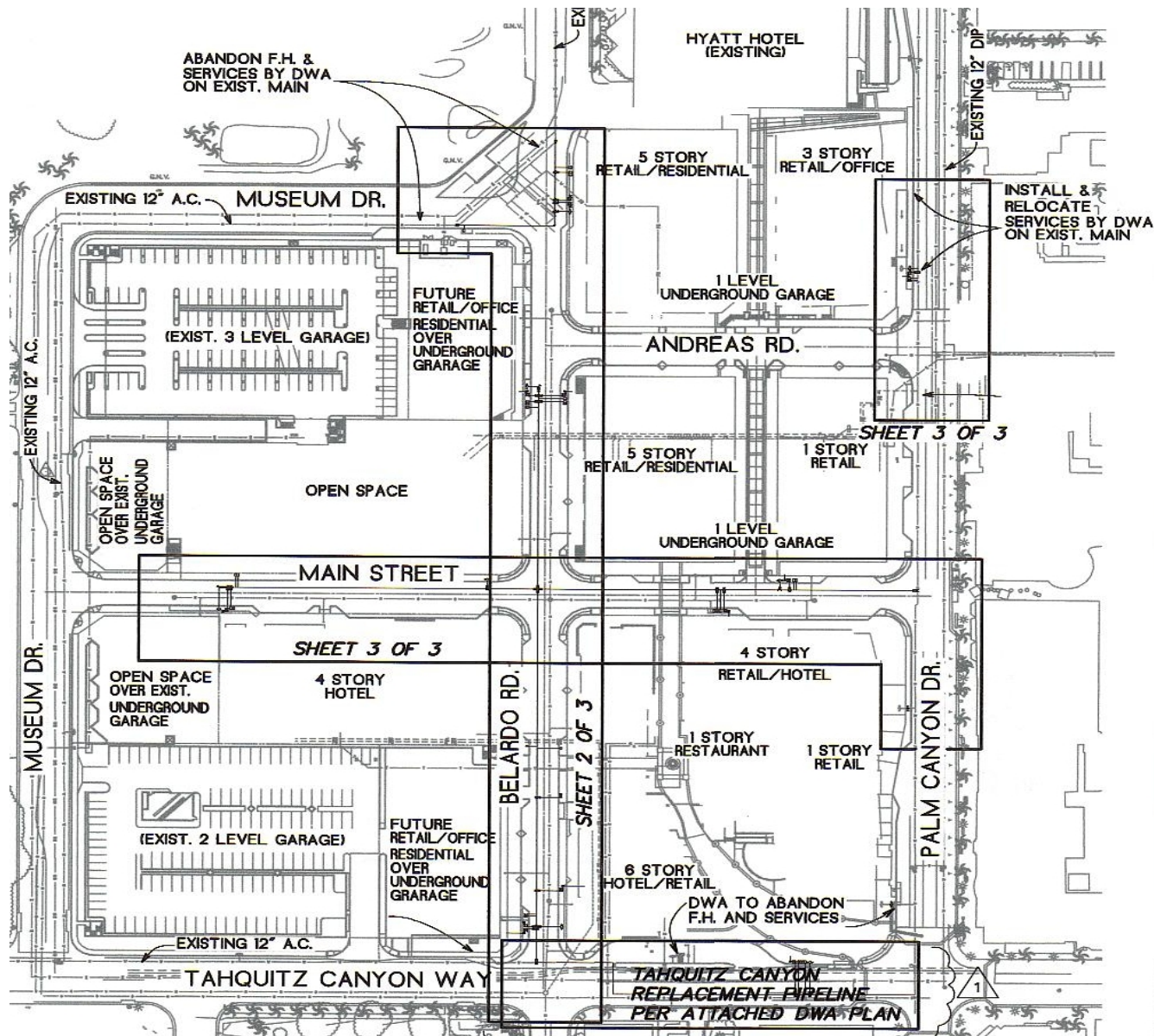
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DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



PROJECT
"D"



PROJECT INFORMATION

THIS PROJECT INCLUDES THREE NEW CITY BLOCKS THAT WOULD INCLUDE RETAIL, RESTAURANTS, OFFICE SPACE, NEW CITY STREETS AND A SIX-STORY BOUTIQUE HOTEL.

PROJECT DETAILS

- 1,387 L.F. OF 12" D.I. WATER MAIN
- 39 COMMERCIAL 2" WATER SERVICES
- 13 COMMERCIAL 6" FIRE SERVICES
- 6 COMMERCIAL FIRE HYDRANTS

PROJECT STATUS

- PROJECT IS UNDER CONSTRUCTION.
- MAIN IS ENERGIZED TO PROVIDE FIRE PROTECTION TO BUILDINGS IN CONSTRUCTION, BUT HAS NOT BEEN ACCEPTED.

FASHION PLAZA
PARCEL MAP NO. 36446

WESSMAN DEVELOPMENT

LEGEND

DATE

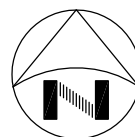
05/24/2017

SCALE

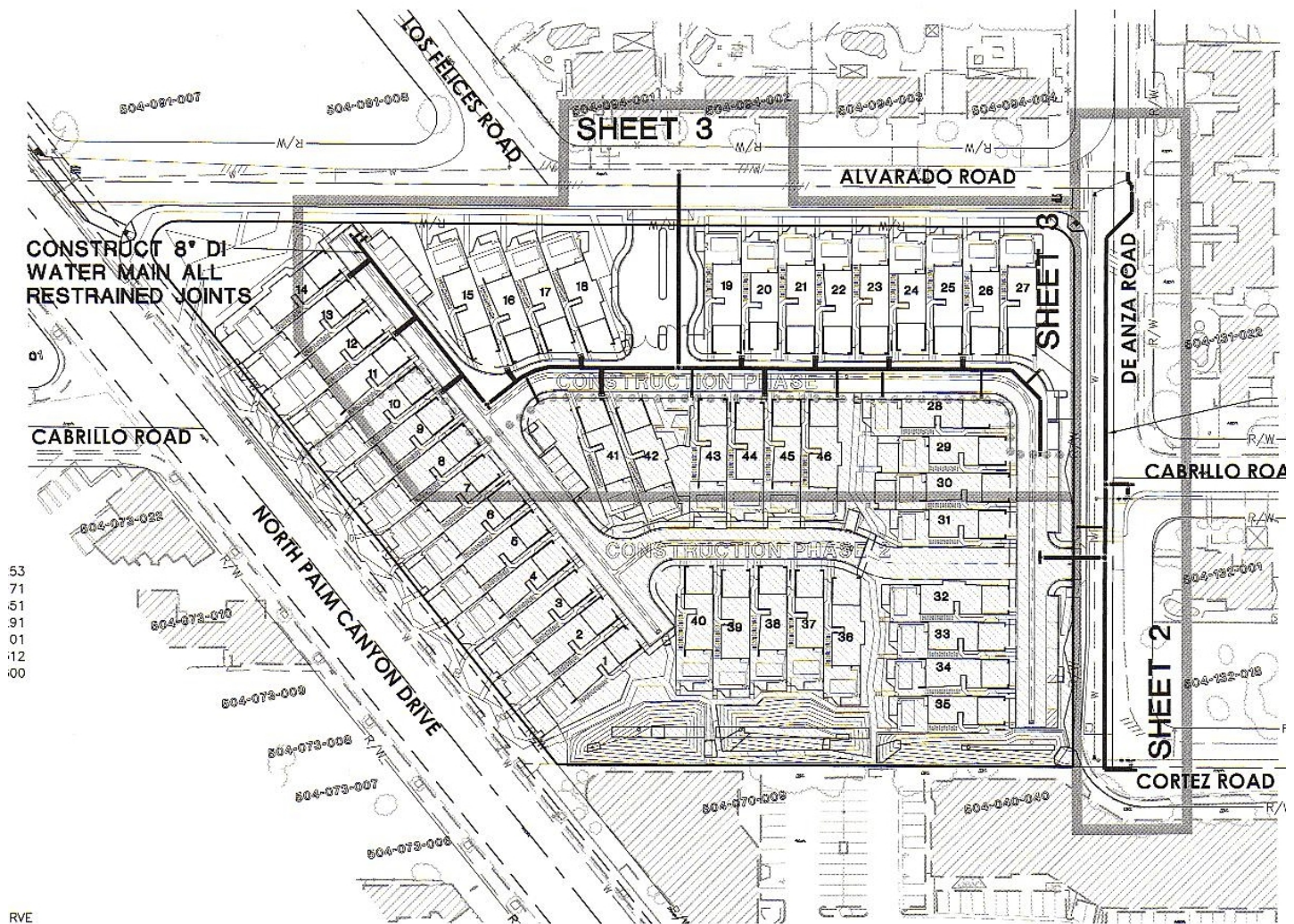
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DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



PROJECT
"E"



PROJECT INFORMATION

THIS PROJECT HAS 46 LOTS FOR SINGLE FAMILY HOMES IN A GATED COMMUNITY. THREE-TWO STORY FLOOR PLANS WITH UP TO 2,006 SQ. FT. PER HOME SIZE.

PROJECT DETAILS

- 1,948 L.F. OF 8" D.I. WATER MAIN
- 7 RESIDENTIAL FIRE HYDRANTS.
- 46 RESIDENTIAL 1" WATER SERVICES.
- 1 IRRIGATION 2" WATER SERVICE.
- 505 L.F. UPSIZE MAIN FROM 6" TO 8" D.I. WATER MAIN. ON "DE ANZA RD".

PROJECT STATUS

- WATER PLANS HAVE BEEN APPROVED
- DEVELOPER REQUIREMENTS PACKAGE (PENDING)

ICON - PALM SPRINGS
TRACT NO. 36725
 FAR WEST INDUSTRIES

LEGEND

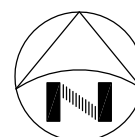
DATE

05/12/2017

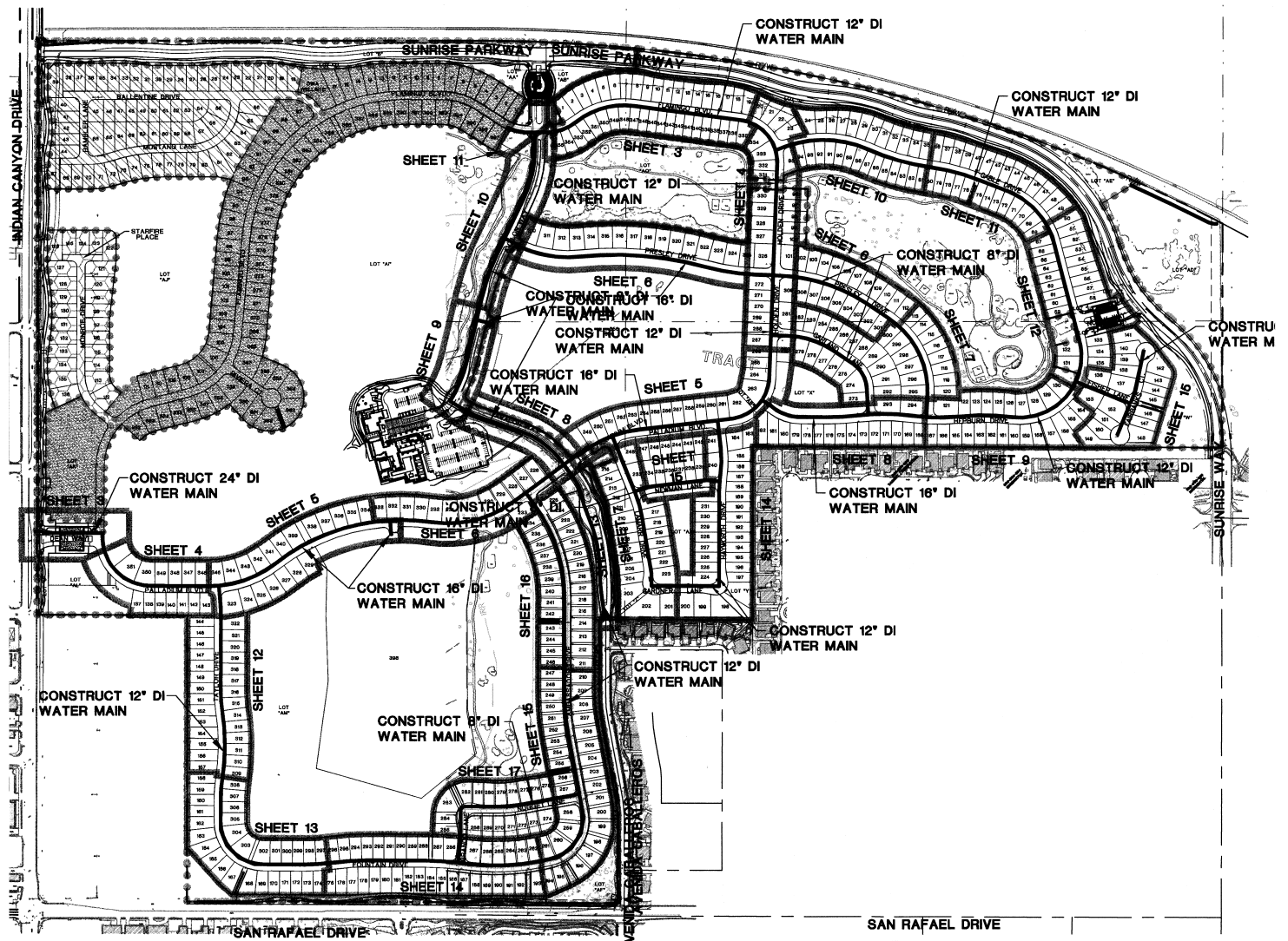
SCALE

NTS

DESERT WATER AGENCY
 PALM SPRINGS, CALIFORNIA



PROJECT
"F"



PROJECT INFORMATION

PROJECT IS A COMMUNITY OF 753 SINGLE FAMILY RESIDENTIAL LOTS SURROUNDING A PUBLIC SPACE COMMUNITY OLIVE GROVE.

PROJECT DETAILS

- 7,910 L.F. OF 8" D.I. WATER MAIN
- 15,229 L.F. OF 12" D.I. WATER MAIN
- 5,630 L.F. OF 16" D.I. WATER MAIN
- 305 L.F. OF 24" D.I. WATER MAIN
- 753 1" RESIDENTIAL WATER SERVICES
- 5 2" COMMERCIAL WATER SERVICES
- 116 RESIDENTIAL FIRE HYDRANTS
- PRIVATE WELL FOR PUBLIC AREA IRRIGATION
- FUTURE DWA WELL SITE

PROJECT STATUS

- PROJECT HAS TWO TRACT PHASES
- PHASE 1 HAS BEEN BUILT BUT WAS NEVER ACCEPTED BY DWA. THEY ARE CURRENTLY IN FINAL PLAN CHECKING FOR SETTING UP FOUR SEPERATE CONSTRUCTION PHASES TO REPAIR THE EXISTING WATER FACILITIES
- PHASE 2 HAS STARTED THE PLAN CHECK PROCESS

MIRALON PHASE 1 & 2 TRACT 31848-1, -2

AVALON 1150 LLC

LEGEND

DATE

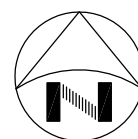
05/24/2017

SCALE

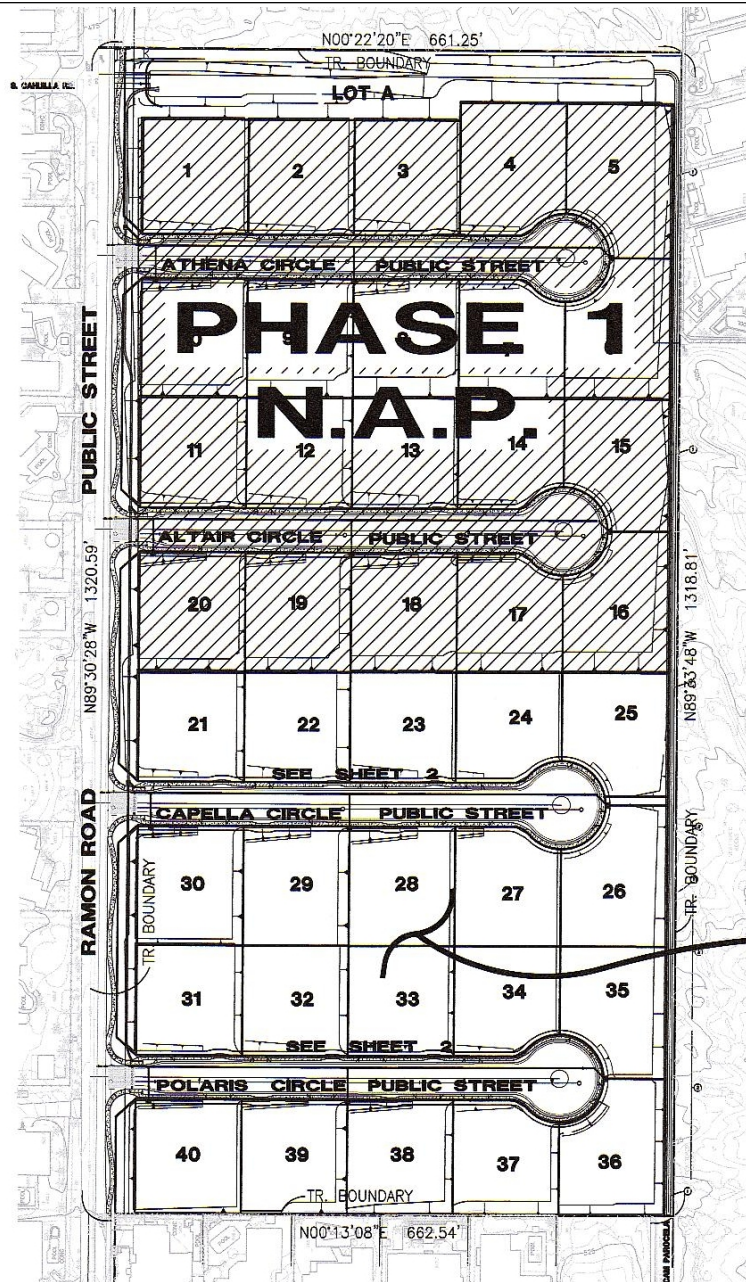
NTS

DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



**PROJECT
"G"**



PROJECT INFORMATION

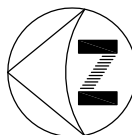
THE PROJECT IS A COMMUNITY OF 40 LUXURY HOMES, THESE SITES HAVE A MINIMUM OF 14,000 SQ. FT. AND ARE BUILT ON 4 CUL-DE-SACS OFF RAMON ROAD.

PROJECT DETAILS

- 2210 L.F. OF 8" D.I. MAIN.
- 40 RESIDENTIAL 1" WATER SERVICES.
- 12 RESIDENTIAL FIRE HYDRANTS.

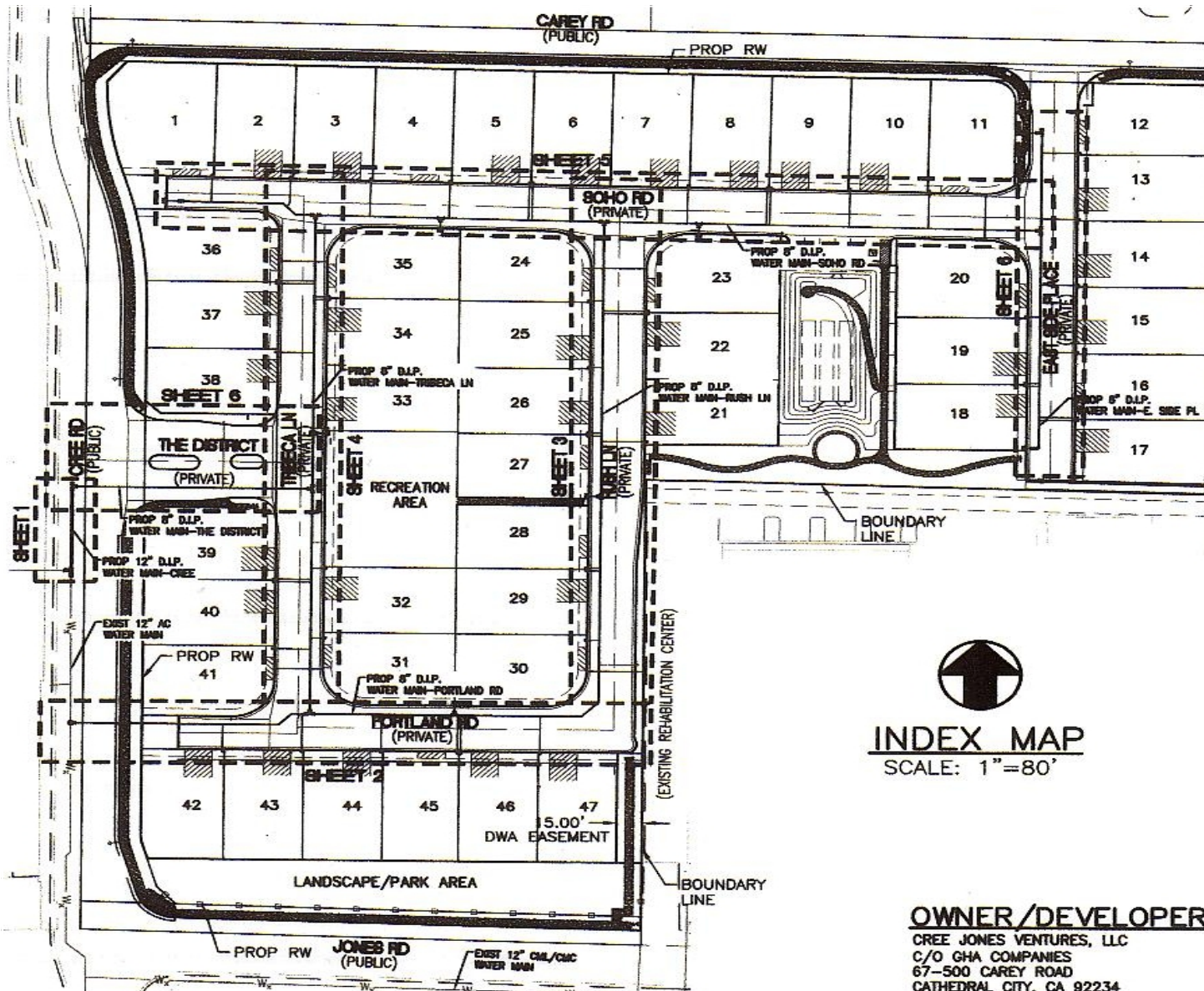
PROJECT STATUS

- PHASE 1 IS COMPLETED AND ACCEPTED.
- PHASE 2 IS CURRENTLY IN PLAN CHECK.

THE SKYE PHASE 2 TRACT MAP 36738 WOOD-BRIDGE PACIFIC GROUP	LEGEND	DATE 05/24/2017	SCALE NTS
			PROJECT "H"

DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



INDEX MAP
SCALE: 1"=80'

OWNER/DEVELOPER
CREE JONES VENTURES, LLC
C/O GHA COMPANIES
67-500 CAREY ROAD
CATHEDRAL CITY, CA 92234

PROJECT INFORMATION

THE PROJECT IS A GATED CUMMUNITY WITH 47 RESIDENTIAL SINGLE FAMILY HOMES LOCATED IN CATHEDRAL CITY CA.

PROJECT DETAILS

WATER.-

- 1873 L.F. OF 8" D.I. WATER MAIN
- 47 RESIDENTIAL 1" WATER SERVICES
- 8 RESIDENTIAL FIRE HYDRANTS
- 3 IRRIGATION 1" WATER SERVICES
- 59 L.F. OF 12" D.I. WATER MAIN

SEWER.-

- 1,968 L.F. OF 8" VCP SEWER MAIN
- 12 MANHOLES
- 47 SEWER LATERALS

PROJECT STATUS

- PROJECT HAS BEEN COMPLETED & ACCEPTED INTO OUR SYSTEM.

**THE DISTRICT
TRACT 36747**

GHA COMPANIES

LEGEND

DATE

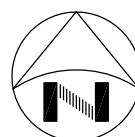
05/24/2017

SCALE

NTS

DESERT WATER AGENCY

PALM SPRINGS, CALIFORNIA



PROJECT
" | "

General Manager's Meetings and Activities

Meetings:

05/15/17	DWA Engineering Operations Staff Meeting	DWA
05/15/17	Desert Sun Op/Ed Prep Meeting	DWA
05/15/17	BLM – Whitewater River Recharge Basins – BLM Permit	Conf. Call
05/15/17	Lake Perris Dam Seepage Recovery Project Meeting	Riverside (Mills)
05/16/17	Desert Sun Op/Ed Board/DWA/CVWD Meeting	Desert Sun Bldg.
05/16/17	MSWD Public Records Act – Preparation Meeting	DWA
05/17/17	SWC Delta Committee Meeting	Sacramento
05/17/17	SWC Cal WaterFix Cost Allocation Meeting	Sacramento
05/17/17	SWC Policy Dinner	Sacramento
05/18/17	SWC Monthly Board Meeting	Sacramento
05/18/17	SFCWA Monthly Board Meeting	Sacramento
05/18/18	Sites Reservoir Committee Monthly Meeting	Sacramento
05/19/17	Sites Reservoir Project Site Tour	Sacramento
05/22/17	DWA I.S./Staff/Snow Creek Security Weekly Meeting	DWA
05/23/17	BLM – Whitewater River Recharge Basins – BLM Permit	BLM C.P.S. Bldg
05/24/17	SGMA Tribal Coordination Meeting	CVWD P.D. Bldg
05/24/17	SFCWA Special Board Meeting	Conf. Call
05/29/17	DWA I.S./Staff/Snow Creek Security Weekly Meeting	DWA
05/30/17	DWA Executive Committee Meeting	DWA
05/30/17	DWA Conservation & Public Affairs Committee Meeting	DWA
06/01/17	DWA Finance Committee Meeting	DWA
06/01/17	BLM – Whitewater River Recharge Basins – BLM Permit	Conf. Call

Activities:

- 1) Sites Reservoir
- 2) E-Billing – implementing customer payment history capabilities
- 3) Outreach Talking Points – KESQ
- 4) Snow Creek Hydro SCE contract extension - ongoing
- 5) Whitewater Hydro – Developing new administration and operating procedures
- 6) State and Federal Contractors Water Authority and Delta Specific Project Committee (Standing)
- 7) MSWD Second Amended Petition– Ongoing
- 8) ACBCI Section 14 Facilities & Easements
- 9) New Mesquite Property Fencing
- 10) Chain of Title
- 11) Lake Oroville Spillway Damage
- 12) Replacement Pipelines 2017-2018
- 13) Lake Oroville NMFS Requirements
- 14) DWA/CVWD/MWD Operations Coordination/Article 21/Pool A/Pool B/Yuba Water
- 15) DWA/CVWD/MWD Agreements Update
- 16) SGMA Alternative Plans and Bridge Documents/Public Comments
- 17) SWP 2017 Water Supply
- 18) ACBCI Law Suits
- 19) Lake Perris Dam Remediation

Activities:
(Cont.)

- 20) Drought Pricing Study
- 21) Section 14 Pipeline Easements
- 22) DOI Regulation
- 23) DWA Fiscal Year 2017-2018 Budget
- 24) A.B. 1562
- 25) Cathedral City Monitoring Well Site Abandonment
- 26) Whitewater Hydro Operations Coordination with Recharge Basin O&M
- 27) Multi-Agency Rate Study
- 28) SGMA Tribal Stakeholder Meetings
- 29) 2016/2017 Engineer's Report on Groundwater Replenishment and Assessment Program
- 30) Whitewater Spreading Basins – BLM Permits
- 31) Lake Perris Dam Seepage Recovery Project Participation
- 32) Cal Waterfix Cost Allocation

Minutes
Executive Committee Meeting
May 30, 2017

Directors Present: Jim Cioffi, Joe Stuart

Staff Present: Mark Krause, Steve Johnson, Martin Krieger

1. Discussion Items

A. Review Agenda for June 6, 2017 Regular Board Meeting

The proposed agenda for the June 6, 2017 regular board meeting was reviewed.

B. Potential Late Fee Implementation

It was proposed to change the delinquency period from 90 to 60 days with a late fee of \$25 after 30 days. The Committee was in favor of the proposed change.

2. Other - None

3. Adjourn

Minutes
Conservation & Public Affairs Committee Meeting
May 30, 2017

Directors Present: Jim Cioffi, Craig Ewing
Staff Present: Mark Krause, Ashley Metzger

1. Discussion Items

A. Instagram

The Committee discussed Staff's proposal to start an Instagram account for the Agency. The Agency will start posting to Instagram over the summer months using photos from the Dog Days of Summer campaign and Agency photography.

B. Leadership CV

Staff discussed participation in Leadership Coachella Valley.

C. Water Trailer Policies

The Committee authorized Staff to develop a policy for water trailer use in conjunction with Agency Counsel Riddell.

D. PSUSD Teacher as Summer Intern

Staff updated the Committee on the options for working with PSUSD over the summer break to enhance DWA's curriculum and educational offerings.

E. Dog Days of Summer Update

Staff updated the Committee on the rollout of the Dog Days of Summer campaign in partnership with the Palm Springs Animal Shelter

F. Turf Buyback Reopen

The Committee directed staff to reach out to the City to determine the feasibility of working with them on turf removal projects in the upcoming fiscal year. The Committee also discussed the possibility of targeting HOA's for conversion.

G. DWAsk/DWA Dates

Staff shared the concept similar to "coffee with cops" with the Committee of various Board Members and select Staff members being available for discussions and information at various times and dates starting in the fall.

H. Litigation – Microsite

The Committee directed Staff to look at incorporating graphics/images into the web page dedicated to an overview of the water rights litigation.

I. Litigation – Media Resources

Staff updated the Committee on factsheet development. The Committee discussed a schedule.

J. CV Water Counts Winners

The Committee directed Staff to bring the CV Water Counts winners to the Board for recognition and to issue the City of Palm Springs a resolution for recognition of their commitment to water savings during the drought.

2. Other

A. The Committee discussed communication support needs and reviewed the Water Quality Report which will be available to customers in June.

3. Adjourn

Minutes
Finance Committee Meeting
June 1, 2017

Directors Present: Joseph K. Stuart, Kristin Bloomer

Staff Present: Mark Krause, Martin Krieger, Steve Johnson

Discussion Items

1. Proposed 2017/2018 Operating Fund Budget
The Committee reviewed Water Sales/Services, Source of Supply, Pumping, Regulatory, Transmission/Distribution, Customer Account, A&G, Reclamation expenses and Capital improvements and Reserves. The Committee discussed Rate/Monthly fixed charges and Late Fee implementation.
2. Proposed 2017/2018 General Fund Budget
The Committee reviewed Groundwater and Whitewater revenues, Legal Expenses, State Water Project Charges (Capital and M&O), Whitewater Hydro expenses, A&G expenses, Property taxes and Capital improvements and Reserves.
3. Proposed 2017/2018 Wastewater Fund Budget
The Committee reviewed Capacity charges, CVWD & City of Palm Springs Sewer increases, Operating expenses, Capital improvements and Sewer contracts.
4. Other - None

Adjourn

DESERT WATER AGENCY
STATEMENT OF CASH RECEIPTS AND EXPENDITURES

OPERATING ACCOUNT

APRIL 2017

INVESTED
RESERVE FUNDS
\$14,995,104.64

BALANCE APRIL 1, 2017 (\$745,429.98)

WATER SALES	\$1,500,392.47
RECLAMATION SALES	90,164.95
WASTEWATER RECEIPTS	72,785.11
POWER SALES	0.00
METERS, SERVICES, ETC.	269,514.00
REIMBURSEMENT – GENERAL FUND	123,122.49
REIMBURSEMENT – WASTEWATER FUND	66,488.31
ACCOUNTS RECEIVABLE – OTHER	16,011.06
CUSTOMER DEPOSITS – SURETY	8,620.00
CUSTOMER DEPOSITS – CONST.	28,680.00
LEASE REVENUE	3,396.33
INTEREST RECEIVED ON INV. FDS.	38,269.77
FRONT FOOTAGE FEES	0.00
BOND SERVICE & RESERVE FUND INT	0.00
MISCELLANEOUS	78,880.70

TOTAL RECEIPTS \$2,296,325.19

PAYMENTS

PAYROLL CHECKS	\$327,422.52
PAYROLL TAXES	160,297.63
ELECTRONIC TRANSFERS	118,777.56
CHECKS UNDER \$10,000.00	285,208.60
CHECKS OVER \$10,000.00 – SCH. #1	1,727,835.37
CANCELLED CHECKS AND FEES	7,449.49

TOTAL PAYMENTS \$2,626,991.17

NET INCOME (\$330,665.98)

BOND SERVICE ACCOUNT

MONTHLY WATER SALES	\$0.00
EXCESS RETURNED BY B/A	\$0.00

BOND SERVICE FUND \$0.00

INVESTED RESERVE FUNDS

FUNDS MATURED	\$1,804,700.00
FUNDS INVESTED – SCH. #3	1,290,669.77

NET TRANSFER \$514,030.23 (\$514,030.23)

BALANCE APRIL 30, 2017 (\$562,065.73) \$14,481,074.41

OPERATING ACCOUNT

SCHEDULE #1-CHECKS OVER \$10,000

CHECK #	NAME	DESCRIPTION	AMOUNT
114268	DOWN TO EARTH LANDSCAPING	LANDSCAPE MAINTENANCE - MARCH 2017	\$30,887.36
114280	ACWA-JOINT POWERS INS AUTHORITY	WORKERS COMPENSATION PREMIUM - JANUARY - MARCH 2017	\$49,969.48
114285	DESERT WATER AGENCY - WASTEWATER	SEWER CAPACITY CHARGES - JONES CREE VENTURES	\$57,640.00
114377	D.W. JOHNSTON CONSTRUCTION	REFUND CONSTRUCTION DEPOSIT (W/O # 15-804 SERIES)	\$23,272.62
114379	HJH CONSTRUCTION	REFUND CONSTRUCTION DEPOSIT (W/O # 16-802-F-04)	\$10,628.97
114383	DESERT WATER AGENCY - GENERAL	3RD QUARTER 2016/2017 GROUNDWATER REPLENISHMENT ASSESSMENT	\$547,570.71
114384	DESERT WATER AGENCY - WASTEWATER	WASTEWATER REVENUE BILLING FOR MARCH 2017	\$82,318.93
114395	SOUTHERN CALIFORNIA EDISON CO	POWER	\$279,195.90
114401	ACWA-JOINT POWERS INS AUTHORITY	HEALTH, DENTAL & VISION INSURANCE PREMIUMS - MAY 2017	\$176,354.79
114421	BACKFLOW APPARATUS & VALVE CO	WATER SERVICE SUPPLIES	\$22,341.17
114423	BEST BEST & KRIEGER LLP	LEGAL FEES	\$92,608.82
114435	CORA CONSTRUCTORS INC	ZONE 1240 - BOOSTER DESERT PALISADES (W/O # 15-150-B)	\$92,853.00
114443	DOWN TO EARTH LANDSCAPING	LANDSCAPE MAINTENANCE - APRIL 2017	\$35,161.93
114461	HD SUPPLY WATERWORKS LTD	WATER SERVICE SUPPLIES	\$22,282.21
114470	INLAND WATER WORKS SUPPLY CO	WATER SERVICE SUPPLIES	\$17,268.38
114472	KENNY STRICKLAND INC	FUEL PURCHASE	\$14,217.37
114473	KINER COMMUNICATIONS	MARKETING & ADVERTISING SERVICES FOR CV WATER COUNTS	\$13,128.00
114475	KRIEGER & STEWART INC	ENGINEERING	\$89,498.73
114506	THATCHER COMPANY OF CALIFORNIA	WATER SERVICE SUPPLIES	\$15,979.00
114521	Z&L PAVING, INC	PAVING	\$54,658.00
** TOTAL			\$1,727,835.37

DESERT WATER AGENCY
OPERATING FUND - LISTING OF INVESTMENTS
APRIL 30, 2017

PURCH DATE	NAME	DESCRIPTION	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
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Local Agency Investment Fund

06-30-83	State of California	LAIF	Open	\$ 11,731,074.41	\$ 11,731,074.41	\$ 11,731,074.41	0.910%	-
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Certificates of Deposit

09-28-15	Union Bank	Capital Bank CD	09-28-17	\$ 250,000.00	\$ 250,000.00	\$ 250,370.00	1.050%	Bullet
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	Total Certificates of Deposit	\$ 250,000.00	\$ 250,000.00	\$ 250,370.00
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Commercial Paper

	Total Commerical Paper	\$ -	\$ -	\$ -
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Government Agency

09-20-16	Union Bank	FNMA (Callable 6-20-17)	09-20-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,840.00	1.300%	Quarterly
10-28-16	Union Bank	FHLMC STEP (Callable 7-28-17)	10-28-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,620.00	1.000%	Quarterly
02-28-17	Union Bank	FHLMC (Callable 8-25-17)	02-25-19	\$ 500,000.00	\$ 500,000.00	\$ 499,740.00	1.400%	Quarterly

	Total Government Agency	\$ 2,500,000.00	\$ 2,500,000.00	\$ 2,491,200.00
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Weighted Mean YTM 0.962%

TOTAL INVESTED @ 04/30/17	\$ 14,481,074.41	\$ 14,481,074.41	\$ 14,472,644.41
BALANCE @ 06/30/16	\$ 12,488,311.86		
INCREASE (DECREASE)	\$1,992,762.55		

DESERT WATER AGENCY
STATEMENT OF CASH RECEIPTS AND EXPENDITURES

GENERAL ACCOUNT

APRIL 2017

INVESTED
RESERVE FUNDS
\$110,658,984.35

BALANCE APRIL 1, 2017 (\$982,407.37)

* TAXES - RIVERSIDE COUNTY	1,550,354.17
* INTEREST EARNED - INV. FUNDS	146,541.35
GROUNDWATER REPLEN. ASSESSMENT	721,930.06
REIMBURSEMENT - OPERATING FUND	0.00
REIMBURSEMENT - CVWD MGMT	0.00
STATE WATER PROJECT REFUNDS	384,830.00
REIMB - CVWD - WHITEWATER HYDRO	0.00
POWER SALES - WHITEWATER	18,795.69
MISCELLANEOUS	168.00

TOTAL RECEIPTS \$2,822,619.27

PAYMENTS

CHECKS UNDER \$10,000.00	14,339.86
CHECKS OVER \$10,000.00 - SCH. #1	2,749,563.63
CANCELLED CHECKS AND FEES	1,107,775.00

TOTAL PAYMENTS \$3,871,678.49

NET INCOME (\$1,049,059.22)

INVESTED RESERVE FUNDS

FUNDS MATURED	5,527,700.00
FUNDS INVESTED – SCH. #2	4,116,748.35

NET TRANSFER \$1,410,951.65 (\$1,410,951.65)

BALANCE APRIL 30, 2017 (\$620,514.94) \$109,248,032.70

* INCLUSIVE TO DATE

	TAXES	INTEREST
RECEIPTS IN FISCAL YEAR	\$15,511,981.58	\$833,542.13
RECEIPTS IN CALENDAR YEAR	\$9,382,088.27	\$386,119.03

DESERT WATER AGENCY

GENERAL ACCOUNT

SCHEDULE #1-CHECKS OVER \$10,000

CHECK #	NAME	DESCRIPTION	AMOUNT
8888	REED ELECTRIC & FIELD SERVICES	WHITEWATER HYDRO VIBRATION ANALYSIS & GENERATOR INSPECTION	\$13,720.30
8890	STATE OF CA. DEPT. OF WATER RESOURCES	STATE WATER PROJECT ENTITLEMENT - FEBRUARY 2017	\$1,947,648.00
8891	STATE OF CA. DEPT. OF WATER RESOURCES	STATE WATER PROJECT - APRIL 2017	\$655,031.00
8892	DESERT WATER AGENCY-OPERATING	P/R & EXP REIMBURSEMENT FOR MARCH 2017	\$123,122.49
8895	COACHELLA VALLEY WATER DISTRICT	WHITEWATER HYDRO REVENUE - FEBRUARY 2017	\$10,041.84

**** TOTAL**

\$2,749,563.63

DESERT WATER AGENCY
GENERAL FUND - LISTING OF INVESTMENTS
APRIL 30, 2017

PURCHASE DATE	NAME	DESCRIPTION	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
Local Agency Investment Fund								
06-30-83	State of California	LAIF	Open	\$ 36,489,562.70	\$ 36,489,562.70	\$ 36,489,562.70	0.910%	-
Certificates of Deposit								
01-25-13	Union Bank	General Electric Capital Bank CD	01-25-18	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,810.00	1.100%	Bullet
09-28-15	Union Bank	Capital Bank CD	09-28-17	\$ 250,000.00	\$ 250,000.00	\$ 250,370.00	1.050%	Bullet
10-07-15	Ladenburg Thalmann	Goldman Sachs CD	04-07-18	\$ 245,000.00	\$ 245,000.00	\$ 245,553.70	1.350%	Bullet
10-29-15	Ladenburg Thalmann	Ally Bank CD	10-30-17	\$ 245,000.00	\$ 245,000.00	\$ 245,379.75	1.150%	Bullet
11-04-15	Ladenburg Thalmann	Capital One NA CD	11-06-17	\$ 245,000.00	\$ 245,000.00	\$ 245,374.85	1.100%	Bullet
11-04-15	Ladenburg Thalmann	Discover CD	11-06-17	\$ 245,000.00	\$ 245,000.00	\$ 245,325.85	1.150%	Bullet
04-20-17	RBC Wealth Mgmt	Whitney Bank CD	04-22-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,002,570.00	1.650%	Bullet
Total Certificates of Deposit				\$ 3,230,000.00	\$ 3,230,000.00	\$ 3,235,384.15		
Commercial Paper								
12-16-13	Stifel	General Electric	05-15-18	\$ 587,600.00	\$ 500,000.00	\$ 521,420.00	6.300%	Bullet
04-27-15	Ladenburg Thalmann	Apple Inc.	05-03-18	\$ 997,920.00	\$ 1,000,000.00	\$ 997,520.00	1.000%	Bullet
02-01-16	Union Bank	US Bank Note (Callable 12-29-17)	01-29-18	\$ 1,000,950.00	\$ 1,000,000.00	\$ 1,000,220.00	1.450%	1 Time
Total Commercial Paper				\$ 2,586,470.00	\$ 2,500,000.00	\$ 2,519,160.00		
Government Agency								
09-19-12	Stifel (D.A.D)	FNMA	09-19-17	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,170.00	0.950%	1 Time
12-28-12	Stifel (D.A.D)	FHLB (Callable Continuous)	12-28-17	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,450.00	0.840%	Continuous
03-27-13	Ladenburg Thalmann	FNMA (Callable 6-27-17)	03-27-18	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,930.00	1.050%	Qtrly
06-13-13	Ladenburg Thalmann	FHLB (Callable 6-13-17)	06-13-18	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,260.00	1.100%	Qtrly
06-23-15	Ladenburg Thalmann	FHLMC	06-23-17	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,040.00	0.900%	1 Time
10-02-15	Stifel	FHLB (Callable 10-2-17)	10-02-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,680.00	1.450%	Continuous
10-29-15	Stifel	FHLB (Callable Continuous)	10-29-18	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,690.00	1.120%	Continuous
11-23-15	Ladenburg Thalmann	FHLMC (Callable 5-23-17)	05-23-18	\$ 996,000.00	\$ 1,000,000.00	\$ 996,410.00	1.000%	Qtrly
11-25-15	Stifel	FNMA (Callable 5-25-17)	11-25-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,730.00	1.500%	Qtrly
02-26-16	Ladenburg Thalmann	FNMA (Callable 5-26-17)	02-26-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,690.00	1.250%	Qtrly
03-23-16	Ladenburg Thalmann	FNMA (Callable 6-23-17)	03-23-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,650.00	1.500%	Qtrly
03-30-16	Stifel	FNMA STEP (Callable 6-30-17)	03-30-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,290.00	1.500%	Qtrly
03-30-16	Stifel	FHLMC STEP (Callable 6-30-17)	03-30-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,170.00	1.250%	Qtrly
04-26-16	Ladenburg Thalmann	FHLB (Callable Continuous)	10-26-20	\$ 999,500.00	\$ 1,000,000.00	\$ 988,980.00	1.550%	Continuous
05-23-16	Stifel	FHLMC STEP (Callable 5-23-17)	05-23-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,480.00	0.800%	Qtrly
05-23-16	Stifel	FNMA (Callable 5-23-17)	08-23-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 991,050.00	1.250%	Qtrly
05-25-16	Stifel	FNMA STEP (Callable 5-25-17)	05-25-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,180.00	1.000%	Qtrly
05-26-16	Union Bank	FNMA (Callable 5-26-17)	11-26-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 993,900.00	1.300%	1 Time
05-31-16	Ladenburg Thalmann	FHLMC (Callable 5-29-17)	08-29-18	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,470.00	1.020%	Qtrly
06-01-16	Stifel	FFCB (Callable Continuous)	03-01-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,500.00	1.250%	Continuous
06-13-16	Ladenburg Thalmann	FNMA (Callable 6-13-17)	06-13-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,680.00	1.400%	Qtrly
06-16-16	Stifel	FFCB (Callable Continuous)	03-16-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 993,170.00	1.400%	Continuous
06-21-16	Stifel	FHLMC STEP (Callable 6-21-17)	06-21-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 986,710.00	1.400%	Qtrly
06-28-16	Stifel	FHLMC STEP (Callable 6-28-17)	06-28-19	\$ 1,500,000.00	\$ 1,500,000.00	\$ 1,497,900.00	0.750%	Qtrly
06-28-16	Ladenburg Thalmann	FNMA (Callable 6-28-17)	06-28-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 993,510.00	1.200%	Qtrly
06-30-16	Stifel	FHLMC STEP (Callable 6-30-17)	12-30-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,700.00	1.000%	Qtrly

DESERT WATER AGENCY
GENERAL FUND - LISTING OF INVESTMENTS
APRIL 30, 2017

PURCHASE DATE	NAME	DESCRIPTION	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
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Government Agency

07-07-16	Ladenburg Thalmann	FFCB (Callable Continuous)	01-07-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 992,580.00	1.000%	Continuous
07-11-16	Ladenburg Thalmann	FHLB (Callable Continuous)	10-11-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 989,920.00	1.125%	Continuous
07-11-16	Ladenburg Thalmann	FHLB (Callable Continuous)	07-11-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 991,260.00	1.125%	Continuous
07-13-16	Union Bank	FFCB (Callable Continuous)	01-13-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 985,750.00	1.240%	Continuous
07-26-16	Ladenburg Thalmann	FNMA (Callable 7-26-17)	07-26-19	\$ 999,500.00	\$ 1,000,000.00	\$ 991,670.00	1.125%	Qtrly
07-27-16	Stifel	FNMA STEP (Callable 7-27-17)	07-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 978,930.00	1.250%	Qtrly
08-10-16	Ladenburg Thalmann	FHLMC (Callable 5-10-17)	08-10-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 990,520.00	1.450%	Qtrly
08-24-16	Ladenburg Thalmann	FHLMC STEP (Callable 5-24-17)	08-24-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,190.00	1.125%	Qtrly
08-24-16	RBC Wealth Mgmt	FHLMC STEP (Callable 5-24-17)	08-24-18	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,280.00	0.875%	Qtrly
08-30-16	Stifel	FHLMC STEP (Callable 5-30-17)	08-30-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,740.00	1.000%	Qtrly
08-30-16	Ladenburg Thalmann	FNMA (Callable 5-27-17)	11-27-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 987,130.00	1.250%	Qtrly
09-06-16	Ladenburg Thalmann	FFCB (Callable Continuous)	03-06-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,240.00	1.150%	Continuous
09-20-16	Union Bank	FNMA (Callable 6-20-17)	09-20-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,840.00	1.300%	Qtrly
09-27-19	Ladenburg Thalmann	FHLMC STEP (Callable 6-27-17)	09-27-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,270.00	1.000%	Qtrly
09-29-16	Ladenburg Thalmann	FHLMC STEP (Callable 6-29-17)	09-29-21	\$ 950,000.00	\$ 950,000.00	\$ 938,742.50	1.250%	Qtrly
09-30-16	Ladenburg Thalmann	FNMA (Callable 6-30-17)	09-30-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 992,430.00	1.250%	Qtrly
10-06-16	Ladenburg Thalmann	FHLMC (Callable 7-6-17)	07-06-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 990,040.00	1.375%	Qtrly
10-11-16	Ladenburg Thalmann	FHLMC (Callable 7-11-17)	10-11-18	\$ 999,750.00	\$ 1,000,000.00	\$ 994,570.00	1.000%	Qtrly
10-17-16	Stifel	FNMA (Callable 10-17-17)	04-17-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 986,540.00	1.250%	1 Time
10-28-16	Stifel	FHLMC STEP (Callable 7-28-17)	10-28-21	\$ 1,500,000.00	\$ 1,500,000.00	\$ 1,490,730.00	1.250%	Qtrly
10-28-16	Union Bank	FHLMC STEP (Callable 7-28-17)	10-28-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,620.00	1.000%	Qtrly
11-03-16	Ladenburg Thalmann	FFCB (Callable Continuous)	05-03-21	\$ 999,250.00	\$ 1,000,000.00	\$ 982,270.00	1.490%	Continuous
11-15-16	Stifel	FHLMC STEP (Callable 5-15-17)	11-15-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,020.00	1.000%	Qtrly
12-14-16	Ladenburg Thalmann	FHLMC (Callable 6-14-17)	12-14-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,520.00	1.750%	Qtrly
12-29-16	Ladenburg Thalmann	FHLB (Callable 6-29-17)	09-29-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,270.00	2.000%	Qtrly
12-29-16	Ladenburg Thalmann	FNMA (Callable 6-29-17)	06-29-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,020.00	1.750%	Qtrly
12-30-16	Ladenburg Thalmann	FHLMC (Callable 6-30-17)	12-30-19	\$ 998,000.00	\$ 1,000,000.00	\$ 999,670.00	1.500%	Qtrly
01-27-17	Stifel	FHLB STEP (Callable 7-27-17)	07-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,140.00	1.000%	Qtrly
01-27-17	RBC Wealth Mgmt	FHLMC (Callable 7-27-17)	01-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,300.00	2.000%	Qtrly
01-27-17	Stifel	FHLMC (Callable 7-27-17)	07-27-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,150.00	1.850%	Qtrly
01-27-17	Ladenburg Thalmann	FNMA (Callable 7-27-17)	01-27-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,380.00	1.650%	Qtrly
01-30-17	Union Bank	FHLB (Callable 1-30-18)	04-30-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,480.00	1.750%	Qtrly
02-07-17	Ladenburg Thalmann	FNMA (Callable 8-17-17)	02-07-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,490.00	1.750%	Qtrly
02-24-17	Ladenburg Thalmann	FNMA (Callable 8-24-17)	11-24-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,250.00	2.000%	Qtrly
02-28-17	Union Bank	FHLMC (Callable 8-25-17)	02-25-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,480.00	1.400%	Qtrly
03-15-17	Union Bank	FFCB (Callable 6-15-17)	03-15-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,110.00	2.130%	Continuous
03-29-17	Stifel	FHLMC STEP (Callable 3-29-18)	03-29-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,430.00	1.300%	Annual
03-30-17	Ladenburg Thalmann	FHLMC (Callable 6-30-17)	03-30-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,200.00	1.900%	Qtrly
04-20-17	Stifel	FHLMC STEP (Callable 7-20-17)	04-20-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,150.00	1.250%	Qtrly
04-27-17	Ladenburg Thalmann	FHLMC (Callable 10-27-17)	01-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,001,230.00	2.000%	Qtrly

Total Government Agency \$ 66,942,000.00 \$ 66,950,000.00 \$ 66,646,942.50

Weighted Mean YTM 1.195%

TOTAL INVESTED @ 04/30/17 \$ 109,248,032.70 \$ 109,169,562.70 \$ 108,891,049.35

BALANCE @ 06/30/16 \$ 107,168,350.37

INCREASE OR (DECREASE) \$ 2,079,682.33

DESERT WATER AGENCY
STATEMENT OF CASH RECEIPTS AND EXPENDITURES

WASTEWATER ACCOUNT

APRIL 2017

INVESTED
RESERVE FUNDS
\$1,144,627.59

BALANCE	APRIL 1, 2017	\$27,269.04	
ACCOUNTS RECEIVABLE - OTHER		\$0.00	
CUSTOMER DEPOSITS - CONSTRUCTION		0.00	
INTEREST EARNED - INVESTED FUNDS		2,221.13	
WASTEWATER REVENUE		82,318.93	
SEWER CAPACITY CHARGES		61,855.73	
MISCELLANEOUS		<u>0.00</u>	
TOTAL RECEIPTS		\$146,395.79	
PAYMENTS			
CHECKS UNDER \$10,000.00		\$18,624.72	
CHECKS OVER \$10,000.00 - SCH. #1		48,273.45	
CANCELLED CHECKS AND FEES		<u>0.00</u>	
TOTAL PAYMENTS		<u>\$66,898.17</u>	
NET INCOME		\$79,497.62	
INVESTED RESERVE FUNDS			
FUNDS MATURED		\$27,200.00	
FUNDS INVESTED – SCH. #2		<u>75,192.42</u>	
NET TRANSFER		(\$47,992.42)	\$47,992.42
BALANCE	APRIL 30, 2017	\$4,239.16	\$1,192,620.01

DESERT WATER AGENCY
WASTEWATER ACCOUNT

SCHEDULE #1-CHECKS OVER \$10,000

CHECK #	NAME	DESCRIPTION	AMOUNT
2490	COACHELLA VALLEY WATER DISTRICT	WASTEWATER REVENUE BILLING FOR MARCH 2017	\$48,273.45
** TOTAL			\$48,273.45

DESERT WATER AGENCY
WASTEWATER FUND - LISTING OF INVESTMENTS
APRIL 30, 2017

PURCH DATE	NAME	DESCRIPTION	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY
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Local Agency Invstment Fund

06-30-83	State of California	LAIF	Open	\$ 1,192,620.01	\$ 1,192,620.01	\$ 1,192,620.01	0.910%
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TOTAL INVESTED @ 04/30/17	\$ 1,192,620.01	\$ 1,192,620.01	\$ 1,192,620.01
BALANCE @ 06/30/16	\$ 1,027,031.01		
INCREASE OR (DECREASE)	\$ 165,589.00		

DESERT WATER AGENCY -- OPERATING FUND
COMPARATIVE EARNINGS STATEMENT

MONTH 16-17 APRIL	THIS MONTH-----			FISCAL YEAR TO DATE-----			VARIANCE--	
	THIS YEAR	LAST YEAR	BUDGET	THIS YEAR	LAST YEAR	BUDGET	YTD	PCT
OPERATING REVENUES								
WATER SALES	1,921,063.82	1,685,559.90	1,715,300.00	19,004,597.59	17,792,923.42	17,131,525.00	1,873,072.59	11
RECLAMATION SALES	99,566.46	124,940.98	121,600.00	1,104,534.04	1,127,397.55	1,088,400.00	16,134.04	1
POWER SALES	.00	2,109.73	1,750.00	15,212.73	8,213.64	17,500.00	2,287.27	13
OTHER OPER REVENUE	213,960.57	186,297.73	121,125.00	1,111,598.31	1,207,494.21	1,098,750.00	12,848.31	1
TOTAL OPER REVENUES	2,234,590.85	1,998,658.34	1,959,775.00	21,235,942.67	20,136,028.82	19,336,175.00	1,899,767.67	10
OPERATING EXPENSES								
SOURCE OF SUPPLY EXP	20,797.36	23,058.78	27,084.00	2,454,850.56	2,279,884.69	2,662,007.00	207,156.44	8
PUMPING EXPENSE	302,943.82	136,940.22	263,425.00	2,127,072.81	2,417,500.20	2,791,650.00	664,577.19	24
REGULATORY WATER TREAT	37,463.33	40,696.32	42,100.00	407,409.72	402,410.85	421,000.00	13,590.28	3
TRANS & DIST EXPENSE	255,973.77	277,425.83	430,841.00	3,034,460.11	2,542,514.34	3,158,418.00	123,957.89	4
CUSTOMER ACT EXPENSE	68,710.34	78,083.36	74,050.00	774,039.04	749,540.64	742,100.00	31,939.04	4
ADMIN & GEN EXPENSE	620,446.40	697,953.40	658,225.00	7,274,140.77	7,660,224.57	7,592,250.00	318,109.23	4
REGULATORY EXPENSE	5,144.29	4,745.48	16,991.00	166,038.33	103,164.30	169,918.00	3,879.67	2
SNOW CREEK HYDRO EXP	4,437.20	1,919.57	3,400.00	33,770.95	31,507.16	34,000.00	229.05	1
RECLAMATION PLNT EXP	83,317.22	86,067.09	269,025.00	366,888.04	730,545.90	1,913,950.00	1,547,061.96	81
SUB-TOTAL	1,399,233.73	1,346,890.05	1,785,141.00	16,638,670.33	16,917,292.65	19,485,293.00	2,846,622.67	15
OTHER OPER EXPENSES								
DEPRECIATION	453,731.65	456,165.16	459,225.00	4,631,252.57	4,535,158.11	4,592,250.00	39,002.57	1
SERVICES RENDERED	8,602.57	10,511.68	13,850.00	109,391.22	163,354.37	138,500.00	29,108.78	21
DIR & INDIR CST FOR WD	151,016.29	160,537.59	72,750.00	1,687,422.21	1,702,532.74	727,500.00	959,922.21	132
TOTAL OPER EXPENSES	1,710,551.66	1,653,029.30	2,185,466.00	19,691,891.91	19,913,272.39	23,488,543.00	3,796,651.09	16
NET INCOME FROM OPERATIONS	524,039.19	345,629.04	225,691.00	1,544,050.76	222,756.43	4,152,368.00	5,696,418.76	137
NON-OPERATING INCOME (NET)								
RENTS	3,396.33	3,368.43	3,375.00	65,580.10	65,351.33	65,600.00	19.90	0
INTEREST REVENUES	12,073.47	8,071.33	8,300.00	102,268.04	76,941.45	83,000.00	19,268.04	23
INTEREST EXP. OTHER	.00	.00	25,325.00	.00	.00	253,250.00	253,250.00	100
INVESTMENT AMORT.	4,700.00	.00	.00	4,700.00	.00	.00	4,700.00	0
OTHER REVENUES	4,285.97	120.00	.00	6,310.97	132,737.52	7,875.00	1,564.03	20
GAINS ON RETIREMENT	.00	2,308.06	75.00	9,554.15	2,308.06	675.00	8,879.15	0
DISCOUNTS	.00	10.06	275.00	2,942.35	394.30	2,750.00	192.35	7
PR. YEAR EXPENSES	70,026.09	.00	.00	69,726.09	522.10	.00	69,726.09	0
LOSS ON RETIREMENTS	.00	7,351.38	3,750.00	23,795.04	55,212.73	33,750.00	10,954.96	32
TOTAL NON-OPER INCOME	85,081.86	6,526.50	17,050.00	228,886.66	223,042.03	127,100.00	355,986.66	280
TOTAL NET INCOME	609,121.05	352,155.54	242,741.00	1,772,937.42	445,798.46	4,279,468.00	6,052,405.42	141

**STAFF REPORT
TO
DESERT WATER AGENCY
BOARD OF DIRECTORS**

JUNE 6, 2017

**RE: GROUNDWATER REPLENISHMENT ASSESSMENT
WHITEWATER RIVER SUBBASIN (PUBLIC HEARING)**

Following presentation of the Engineer's Report on the Groundwater Replenishment and Assessment Program for 2017/2018 during the Board's May 16, 2017 meeting, a determination was made that funds should be raised by a replenishment assessment, and the Board set the time and place for both a public meeting and public hearing on the matter.

As indicated in the Replenishment Reports, the proposed Whitewater Groundwater Replenishment Assessment will be set at \$120 per acre-foot.

A copy of the Notice of Public Meeting and Public Hearing was sent to all pumpers on May 16, 2017 advising them of the scheduled public meeting and hearing, as well as the recommended replenishment assessment to be considered. The Notice of Public Hearing, setting the hearing date for today, was published in The Public Record on May 9, 2017.

On May 16, 2017, the Agency held a Public Meeting on the proposed Whitewater Groundwater Replenishment Assessment.

A comparison of historic and proposed groundwater replenishment rates for Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) is set forth as follows:

YEAR	DWA \$/AF	CVWD \$/AF	DIFFERENCE
03/04	\$35.00	\$72.86	(\$37.86)
04/05	\$45.00	\$78.86	(\$33.86)
05/06	\$50.00	\$78.86	(\$28.86)
06/07	\$63.00	\$83.34	(\$20.34)
07/08	\$63.00	\$91.67	(\$28.67)
08/09	\$72.00	\$93.78	(\$21.78)
09/10	\$72.00	\$102.45	(\$30.45)
10/11	\$82.00	\$102.45	(\$20.45)
11/12	\$82.00	\$107.57	(\$25.57)
12/13	\$92.00	\$110.26	(\$18.26)
13/14	\$92.00	\$110.26	(\$18.26)
14/15	\$102.00	\$110.26	(\$8.26)
15/16	\$102.00	\$112.00	(\$10.00)
16/17	\$102.00	\$145.60	(\$43.60)
17/18	\$120.00*	\$189.28	(\$69.28)

*Proposed Replenishment Assessment Rate

Staff recommends adoption of Resolution No. 1161, making findings of fact relevant and material to levying the replenishment assessment within the Whitewater River Subbasin.

Staff further recommends adoption of Resolution No. 1162, levying the 2017/2018 Whitewater River Groundwater Replenishment Assessment in the amount of \$120.00 per acre-foot.

RESOLUTION NO. 1161

RESOLUTION OF THE BOARD OF DIRECTORS OF DESERT WATER AGENCY MAKING FINDINGS OF FACT RELEVANT AND MATERIAL TO THE LEVY OF A REPLENISHMENT ASSESSMENT PURSUANT TO DESERT WATER AGENCY LAW

WHITEWATER RIVER SUBBASIN

WHEREAS, this Board has called and conducted a public hearing pursuant to statute in regard to the levy of a replenishment assessment within a portion of the Desert Water Agency for the 2017-2018 fiscal year; and

WHEREAS, it appears to this Board that such an assessment should be levied based upon the following findings material and relevant to such levy;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Desert Water Agency that this Board finds:

1. Significant cumulative overdraft conditions exist within that portion of the Whitewater River Subbasin of the Upper Coachella Valley lying within the boundaries of the Desert Water Agency; therefore, there is need for groundwater replenishment to arrest or reduce cumulative groundwater overdraft.

2. There is need to levy a replenishment assessment (charge) for fiscal year 2017-2018 upon groundwater extractions within the aforementioned portion of the Whitewater River Subbasin or surface water diversions from streams which would naturally replenish such portion of the Whitewater River Subbasin to defray the costs of groundwater replenishment.

3. Except for the exclusion provided for in Paragraph 5 herein, such groundwater replenishment assessment (charge) shall apply to all water production, both groundwater extractions and surface water diversions within the Area of Benefit, at a uniform rate in dollars per acre foot.

4. Pursuant to statute, the Area of Benefit is hereby delineated as that portion of the Whitewater River Subbasin of the Upper Coachella Valley lying within the boundaries of

the Desert Water Agency (See Figure 2 in "*Engineer's Report on Groundwater Replenishment and Assessment Program for the Whitewater River, Mission Creek and Garnet Hill Subbasins – Desert Water Agency 2017-2018*"), and those areas within the Agency from which diversions are made from streamflow which would replenish naturally such portion of the Whitewater River Subbasin. The reason for delineation of this Area of Benefit is that all producers therein, except for exclusions provided for in Paragraph 5 herein, benefit from the groundwater replenishment program now being carried on by the Agency.

5. Extractions of groundwater of 10 acre feet or less per year are excluded from this process, and are exempted from the levy of any replenishment assessment pursuant to Section 15.4(g) of the Desert Water Agency Law. Diversions which do not diminish streamflow in excess of 10 acre feet per year shall also be excluded. Production of water pursuant to any right to divert surface flow, which has been determined in a statutory adjudication proceeding, shall also be exempt from assessment to the extent that such right is prior and paramount to the rights of riparian and overlying users within such portion of the Whitewater River Subbasin.

6. This Agency plans to take its 2017-2018 Table A Water Allocation under its State Water Project Contract and to use such water for replenishment purposes.

7. Pursuant to Section 15.4(f) of the Desert Water Agency Law, the maximum permissible replenishment assessment rate for State Water Project water for the 2017-2018 fiscal year, based on the Agency's estimated applicable State Water Project charges of \$9,397,722 and estimated assessable production within all the Whitewater River, Mission Creek and Garnet Hill Subbasins of 41,910 acre feet, is \$224.24 per acre foot.

8. Pursuant to the provisions of the 2014 Water Management Agreement between the Agency and the Coachella Valley Water District, the effective replenishment assessment rate for State Water Project water for the 2017-2018 fiscal year, based on the Agency's estimated allocated State Water Project charges for its Table A Water Allocation of \$6,621,173 and estimated assessable production within the Whitewater River, Mission Creek and Garnet Hill Subbasins of 41,910 acre feet is \$158 per acre foot.

9. Pursuant to Section 15.4(b) of the Desert Water Agency Law, the replenishment assessment in any given year may include costs of purchasing, transporting, and spreading the water. The 2017-2018 replenishment assessment rate includes a credit of \$38 per acre foot for discretionary reductions for the Whitewater River Subbasin.

10. Pursuant to the above provisions, the 2017-2018 replenishment assessment rate is \$120 per acre foot.

ADOPTED this 6th day of June, 2017.

James Cioffi, President
Board of Directors

ATTEST:

Kristin Bloomer, Secretary-Treasurer
Board of Directors

RESOLUTION NO. 1162

RESOLUTION OF THE BOARD OF DIRECTORS OF DESERT WATER AGENCY LEVYING A WATER REPLENISHMENT ASSESSMENT FOR THE FISCAL YEAR 2017-2018 FOR THE PURPOSE OF REPLENISHING GROUNDWATER SUPPLIES WHITEWATER RIVER SUBBASIN

WHEREAS, Section 15.4 of the Desert Water Agency Law provides for the levy of water replenishment assessment (charge) upon the extraction of groundwater, or the diversion of surface supplies which would naturally replenish groundwater supplies; and

WHEREAS, the Board has followed and completed the statutory procedures required for the levy of such water replenishment assessment, including the adoption by resolution of specific findings of fact on all matters relevant and material to the purpose for which a water replenishment assessment may be levied.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Desert Water Agency as follows:

1. The Board does hereby levy a water replenishment assessment upon all water produced during the 2017-2018 fiscal year from within the area of benefit as hereinafter determined.

2. The area of benefit is hereby determined to be that portion of the Whitewater River Subbasin lying within the boundaries of the Desert Water Agency (See Figure 2 in "**Engineer's Report on Groundwater Replenishment and Assessment Program for the Whitewater River, Mission Creek and Garnet Hill Subbasins - Desert Water Agency, 2017-2018**"), and those areas within the Agency from which diversions are made from streamflow which would replenish naturally such portion of the Whitewater River Subbasin. Except for the

exemptions provided in Paragraph 5 herein, water production shall include both groundwater extractions and surface water diversions.

3. The water replenishment assessment in such area of benefit shall be at the rate of \$120.00 per acre foot. The water replenishment assessment shall be due and payable on a quarterly basis, and shall be paid within 30 days after the end of each quarter ending September 30, December 31, March 31, and June 30.

4. The General Manager of the Agency shall give notice of the levy of this water replenishment assessment, and shall provide the necessary forms for production statements, as required by Sections 15.4(h) and 15.4(i) of the Desert Water Agency Law.

5. Minimal production, either groundwater extractions of 10 acre feet or less per year, or streamflow diversions which do not diminish the flow in excess of 10 acre feet per year, shall be exempt from any water replenishment assessment. Production of water pursuant to any right to divert surface flow, which has been determined in a statutory adjudication proceeding, shall also be exempt from any water replenishment assessment to the extent that such right is prior and paramount to the rights of riparian and overlying users within such portion of the Whitewater River Subbasin.

ADOPTED this 6th day of June, 2017.

James Cioffi, President
Board of Directors

ATTEST:

Kristin Bloomer, Secretary-Treasurer
Board of Directors

**STAFF REPORT
TO
DESERT WATER AGENCY
BOARD OF DIRECTORS**

JUNE 6, 2017

**RE: GROUNDWATER REPLENISHMENT ASSESSMENT
MISSION CREEK SUBBASIN (PUBLIC HEARING)**

Following presentation of the Engineer's Report on the Groundwater Replenishment and Assessment Program for 2017/2018 during the Board's May 16, 2017 meeting, a determination was made that funds should be raised by a replenishment assessment, and the Board set the time and place for both a public meeting and public hearing on the matter.

As indicated in the Replenishment Reports, the proposed Mission Creek Groundwater Replenishment Assessment will be set at \$120 per acre-foot.

A copy of the Notice of Public Meeting and Public Hearing was sent to all pumpers on May 16, 2017 advising them of the scheduled public meeting and hearing, as well as the recommended replenishment assessment to be considered. The Notice of Public Hearing, setting the hearing date for today, was published in The Public Record on May 9, 2017.

On May 16, 2017, the Agency held a Public Meeting on the proposed Mission Creek Groundwater Replenishment Assessment.

A comparison of historic and proposed groundwater replenishment rates for Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) is set forth as follows:

YEAR	DWA \$/AF	CVWD \$/AF	DIFFERENCE
03/04	\$35.00	\$59.80	(\$24.80)
04/05	\$46.00	\$59.80	(\$13.80)
05/06	\$50.00	\$59.80	(\$9.80)
06/07	\$63.00	\$65.78	(\$2.78)
07/08	\$63.00	\$72.36	(\$9.36)
08/09	\$72.00	\$76.60	(\$4.60)
09/10	\$72.00	\$87.56	(\$15.56)
10/11	\$82.00	\$89.75	(\$7.75)
11/12	\$82.00	\$98.73	(\$16.73)
12/13	\$92.00	\$98.73	(\$6.73)
13/14	\$92.00	\$98.73	(\$6.73)
14/15	\$102.00	\$98.73	\$3.27
15/16	\$102.00	\$112.00	(\$10.00)
16/17	\$102.00	\$123.20	(\$21.20)
17/18	\$120.00*	\$135.52	(\$15.52)

*Proposed Replenishment Assessment Rate

Staff recommends adoption of Resolution No. 1163, making findings of fact relevant and material to levying the replenishment assessment within the Mission Creek River Subbasin.

Staff further recommends adoption of Resolution No. 1164, levying the 2016/2017 Mission Creek Groundwater Replenishment Assessment in the amount of \$120.00 per acre-foot.

RESOLUTION NO. 1163

A RESOLUTION OF THE BOARD OF DIRECTORS OF DESERT WATER AGENCY MAKING FINDINGS OF FACT RELEVANT AND MATERIAL TO THE LEVY OF A REPLENISHMENT ASSESSMENT PURSUANT TO DESERT WATER AGENCY LAW

MISSION CREEK SUBBASIN

WHEREAS, this Board has called and conducted a public hearing pursuant to statute in regard to the levy of a replenishment assessment within a portion of the Desert Water Agency for the 2017-2018 fiscal year; and

WHEREAS, it appears to this Board that such an assessment should be levied based upon the following findings material and relevant to such levy;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Desert Water Agency that this Board finds:

1. Significant cumulative overdraft conditions exist within that portion of the Mission Creek River Subbasin of the Upper Coachella Valley lying within the boundaries of the Desert Water Agency; therefore, there is need for groundwater replenishment to arrest or reduce cumulative groundwater overdraft.

2. There is need to levy a replenishment assessment (charge) for fiscal year 2017-2018 upon groundwater extractions within the aforementioned portion of the Mission Creek Subbasin or surface water diversions from streams which would naturally replenish such portion of the Mission Creek Subbasin to defray the costs of groundwater replenishment.

3. Except for the exclusion provided for in Paragraph 5 herein, such groundwater replenishment assessment (charge) shall apply to all water production, both groundwater extractions and surface water diversions within the Area of Benefit, at a uniform rate in dollars per acre-foot.

4. Pursuant to statute, the Area of Benefit is hereby delineated as that portion of the Mission Creek Subbasin of the Upper Coachella Valley lying within the boundaries of the

Desert Water Agency (See Figure 2 in "*Engineer's Report on Groundwater Replenishment and Assessment Program for the Whitewater River, Mission Creek and Garnet Hill Subbasins – Desert Water Agency 2017-2018*"), and those areas within the Agency from which diversions are made from streamflow which would replenish naturally such portion of the Mission Creek Subbasin. The reason for delineation of this Area of Benefit is that all producers therein, except for exclusions provided for in Paragraph 5 herein, benefit from the groundwater replenishment program now being carried on by the Agency.

5. Extractions of groundwater of 10 acre feet or less per year are excluded from this process, and are exempted from the levy of any replenishment assessment pursuant to Section 15.4(g) of the Desert Water Agency Law. Diversions which do not diminish streamflow in excess of 10 acre feet per year shall also be excluded. Production of water pursuant to any right to divert surface flow, which has been determined in a statutory adjudication proceeding, shall also be exempt from assessment to the extent that such right is prior and paramount to the rights of riparian and overlying users within such portion of the Mission Creek Subbasin.

6. This Agency plans to take its 2017-2018 Table A Water Allocation under its State Water Project Contract and to use such water for replenishment purposes.

7. Pursuant to Section 15.4(f) of the Desert Water Agency Law, the maximum permissible replenishment assessment rate for State Water Project water for the 2017-2018 fiscal year, based on the Agency's estimated applicable State Water Project charges of \$9,397,722 and estimated assessable production within the Whitewater River, Mission Creek and Garnet Hill Subbasins of 41,910 acre feet, is \$224.24 per acre foot.

8. Pursuant to the provisions of the 2014 Water Management Agreement between the Agency and the Coachella Valley Water District, the effective replenishment assessment rate for State Water Project water for the 2017-2018 fiscal year, based on the Agency's estimated allocated State Water Project charges for its Table A Water Allocation of \$6,621,173 and estimated assessable production within both the Whitewater River, Mission Creek and Garnet Hill Subbasins of 41,910 acre feet is \$158 per acre foot.

9. Pursuant to Section 15.4(b) of the Desert Water Agency Law, the replenishment assessment in any given year may include costs of purchasing, transporting, and spreading the water. The 2017-2018 replenishment assessment rate includes a credit of \$38 per acre foot for discretionary reductions for the Mission Creek Subbasin.

10. Pursuant to the above provisions, the 2017-2018 replenishment assessment rate is \$120 per acre foot.

ADOPTED this 6th day of June, 2017.

James Cioffi, President
Board of Directors

ATTEST:

Kristin Bloomer, Secretary-Treasurer
Board of Directors

RESOLUTION NO. 1164

A RESOLUTION OF THE BOARD OF DIRECTORS OF DESERT WATER AGENCY LEVYING A WATER REPLENISHMENT ASSESSMENT FOR THE FISCAL YEAR 2017-2018 FOR THE PURPOSE OF REPLENISHING GROUNDWATER SUPPLIES MISSION CREEK SUBBASIN

WHEREAS, Section 15.4 of the Desert Water Agency Law provides for the levy of a water replenishment assessment (charge) upon the extraction of groundwater, or the diversion of surface supplies which would naturally replenish groundwater supplies; and

WHEREAS, the Board has followed and completed the statutory procedures required for the levy of such water replenishment assessment, including the adoption by resolution of specific findings of fact on all matters relevant and material to the purpose for which a water replenishment assessment may be levied.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Desert Water Agency as follows:

1. The Board does hereby levy a water replenishment assessment upon all water produced during the 2017-2018 fiscal year from within the area of benefit as hereinafter determined.

2. The area of benefit is hereby determined to be that portion of the Mission Creek Subbasin lying within the boundaries of the Desert Water Agency (See Figure 2 in "Engineer's Report on Groundwater Replenishment and Assessment Program for the Whitewater River, Mission Creek and Garnet Hill Subbasins - Desert Water Agency, 2017-2018"), and those areas within the Agency from which diversions are made from streamflow which would replenish naturally such portion of the Mission Creek Subbasin. Except for the exemptions

provided in Paragraph 5 herein, water production shall include both groundwater extractions and surface water diversions.

3. The water replenishment assessment in such area of benefit shall be at the rate of \$120.00 per acre foot. The water replenishment assessment shall be due and payable on a quarterly basis, and shall be paid within 30 days after the end of each quarter ending September 30, December 31, March 31, and June 30.

4. The General Manager of the Agency shall give notice of the levy of this water replenishment assessment, and shall provide the necessary forms for production statements, as required by Sections 15.4(h) and 15.4(i) of the Desert Water Agency Law.

5. Minimal production, either groundwater extractions of 10 acre feet or less per year, or streamflow diversions which do not diminish the flow in excess of 10 acre feet per year, shall be exempt from any water replenishment assessment. Production of water pursuant to any right to divert surface flow, which has been determined in a statutory adjudication proceeding, shall also be exempt from any water replenishment assessment to the extent that such right is prior and paramount to the rights of riparian and overlying users within such portion of the Mission Creek Subbasin.

ADOPTED this 6th day of June, 2017.

James Cioffi, President
Board of Directors

ATTEST:

Kristin Bloomer, Secretary-Treasurer
Board of Directors

**STAFF REPORT
TO
DESERT WATER AGENCY
BOARD OF DIRECTORS**

JUNE 6, 2017

**RE: GROUNDWATER REPLENISHMENT ASSESSMENT
GARNET HILL SUBBASIN (PUBLIC HEARING)**

Following presentation of the Engineer's Report on the Groundwater Replenishment and Assessment Program for 2017/2018 during the Board's May 16, 2017 meeting, a determination was made that funds should be raised by a replenishment assessment, and the Board set the time and place for both a public meeting and public hearing on the matter.

As indicated in the Replenishment Reports, the proposed Garnet Hill Groundwater Replenishment Assessment will be set at \$120 per acre-foot.

A copy of the Notice of Public Meeting and Public Hearing was sent to all pumpers on May 16, 2017 advising them of the scheduled public meeting and hearing, as well as the recommended replenishment assessment to be considered. The Notice of Public Hearing, setting the hearing date for today, was published in The Public Record on May 9, 2017.

On May 16, 2017, the Agency held a Public Meeting on the proposed Garnet Hill Groundwater Replenishment Assessment.

Staff recommends adoption of Resolution No. 1165, making findings of fact relevant and material to levying the replenishment assessment within the Garnet Hill Subbasin.

Staff further recommends adoption of Resolution No. 1166, levying the 2017/2018 Garnet Hill Groundwater Replenishment Assessment in the amount of \$120.00 per acre-foot.

RESOLUTION NO. 1165

A RESOLUTION OF THE BOARD OF DIRECTORS OF DESERT WATER AGENCY MAKING FINDINGS OF FACT RELEVANT AND MATERIAL TO THE LEVY OF A REPLENISHMENT ASSESSMENT PURSUANT TO DESERT WATER AGENCY LAW

GARNET HILL SUBBASIN

WHEREAS, this Board has called and conducted a public hearing pursuant to statute in regard to the levy of a replenishment assessment within a portion of the Desert Water Agency for the 2017-2018 fiscal year; and

WHEREAS, it appears to this Board that such an assessment should be levied based upon the following findings material and relevant to such levy;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Desert Water Agency that this Board finds:

1. Significant cumulative overdraft conditions exist within that portion of the Garnet Hill Subbasin of the Upper Coachella Valley lying within the boundaries of the Desert Water Agency; therefore, there is need for groundwater replenishment to arrest or reduce cumulative groundwater overdraft.

2. There is need to levy a replenishment assessment (charge) for fiscal year 2017-2018 upon groundwater extractions within the aforementioned portion of the Garnet Hill Subbasin or surface water diversions from streams which would naturally replenish such portion of the Garnet Hill Subbasin to defray the costs of groundwater replenishment.

3. Except for the exclusion provided for in Paragraph 5 herein, such groundwater replenishment assessment (charge) shall apply to all water production, both groundwater extractions and surface water diversions within the Area of Benefit, at a uniform rate in dollars per acre-foot.

4. Pursuant to statute, the Area of Benefit is hereby delineated as that portion of the Garnet Hill Subbasin of the Upper Coachella Valley lying within the boundaries of the

Desert Water Agency (See Figure 2 in "*Engineer's Report on Groundwater Replenishment and Assessment Program for the Whitewater River, Mission Creek and Garnet Hill Subbasins – Desert Water Agency 2017-2018*"), and those areas within the Agency from which diversions are made from streamflow which would replenish naturally such portion of the Garnet Hill Subbasin. The reason for delineation of this Area of Benefit is that all producers therein, except for exclusions provided for in Paragraph 5 herein, benefit from the groundwater replenishment program now being carried on by the Agency.

5. Extractions of groundwater of 10 acre feet or less per year are excluded from this process, and are exempted from the levy of any replenishment assessment pursuant to Section 15.4(g) of the Desert Water Agency Law. Diversions which do not diminish streamflow in excess of 10 acre feet per year shall also be excluded. Production of water pursuant to any right to divert surface flow, which has been determined in a statutory adjudication proceeding, shall also be exempt from assessment to the extent that such right is prior and paramount to the rights of riparian and overlying users within such portion of the Garnet Hill Subbasin.

6. This Agency plans to take its 2017-2018 Table A Water Allocation under its State Water Project Contract and to use such water for replenishment purposes.

7. Pursuant to Section 15.4(f) of the Desert Water Agency Law, the maximum permissible replenishment assessment rate for State Water Project water for the 2017-2018 fiscal year, based on the Agency's estimated applicable State Water Project charges of \$9,397,722 and estimated assessable production within all the Whitewater River, Mission Creek and Garnet Hill Subbasins of 41,910 acre feet, is \$224.24 per acre foot.

8. Pursuant to the provisions of the 2014 Water Management Agreement between the Agency and the Coachella Valley Water District, the effective replenishment assessment rate for State Water Project water for the 2017-2018 fiscal year, based on the Agency's estimated allocated State Water Project charges for its Table A Water Allocation of \$6,621,173 and estimated assessable production within all the Whitewater River, Mission Creek and Garnet Hill Subbasins of 41,910 acre feet is \$158 per acre foot.

9. Pursuant to Section 15.4(b) of the Desert Water Agency Law, the replenishment assessment in any given year may include costs of purchasing, transporting, and spreading the water. The 2017-2018 replenishment assessment rate includes a credit of \$38 per acre foot for discretionary reductions for the Garnet Hill Subbasin.

10. Pursuant to the above provisions, the 2017-2018 replenishment assessment rate is \$120 per acre foot.

ADOPTED this 6th day of June, 2017.

James Cioffi, President
Board of Directors

ATTEST:

Kristin Bloomer, Secretary-Treasurer
Board of Directors

RESOLUTION NO. 1166

A RESOLUTION OF THE BOARD OF DIRECTORS OF DESERT WATER AGENCY LEVYING A WATER REPLENISHMENT ASSESSMENT FOR THE FISCAL YEAR 2017-2018 FOR THE PURPOSE OF REPLENISHING GROUNDWATER SUPPLIES GARNET HILL SUBBASIN

WHEREAS, Section 15.4 of the Desert Water Agency Law provides for the levy of a water replenishment assessment (charge) upon the extraction of groundwater, or the diversion of surface supplies which would naturally replenish groundwater supplies; and

WHEREAS, the Board has followed and completed the statutory procedures required for the levy of such water replenishment assessment, including the adoption by resolution of specific findings of fact on all matters relevant and material to the purpose for which a water replenishment assessment may be levied.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Desert Water Agency as follows:

1. The Board does hereby levy a water replenishment assessment upon all water produced during the 2017-2018 fiscal year from within the area of benefit as hereinafter determined.

2. The area of benefit is hereby determined to be that portion of the Garnet Hill Subbasin lying within the boundaries of the Desert Water Agency (See Figure 2 in "Engineer's Report on Groundwater Replenishment and Assessment Program for the Whitewater River, Mission Creek and Garnet Hill Subbasins - Desert Water Agency, 2017-2018"), and those areas within the Agency from which diversions are made from streamflow which would replenish naturally such portion of the Garnet Hill Subbasin. Except for the exemptions

provided in Paragraph 5 herein, water production shall include both groundwater extractions and surface water diversions.

3. The water replenishment assessment in such area of benefit shall be at the rate of \$120.00 per acre foot. The water replenishment assessment shall be due and payable on a quarterly basis, and shall be paid within 30 days after the end of each quarter ending September 30, December 31, March 31, and June 30.

4. The General Manager of the Agency shall give notice of the levy of this water replenishment assessment, and shall provide the necessary forms for production statements, as required by Sections 15.4(h) and 15.4(i) of the Desert Water Agency Law.

5. Minimal production, either groundwater extractions of 10 acre feet or less per year, or streamflow diversions which do not diminish the flow in excess of 10 acre feet per year, shall be exempt from any water replenishment assessment. Production of water pursuant to any right to divert surface flow, which has been determined in a statutory adjudication proceeding, shall also be exempt from any water replenishment assessment to the extent that such right is prior and paramount to the rights of riparian and overlying users within such portion of the Garnet Hill Subbasin.

ADOPTED this 6th day of June, 2017.

James Cioffi, President
Board of Directors

ATTEST:

Kristin Bloomer, Secretary-Treasurer
Board of Directors

May 18, 2017

MEMORANDUM

TO: GENERAL MANAGER AND BOARD OF DIRECTORS
OF DESERT WATER AGENCY

FROM: BEST BEST & KRIEGER LLP

RE: MAY 18, 2017 ANNUAL MEMBERSHIP MEETING AND BOARD OF
DIRECTORS MEETING OF THE STATE WATER CONTRACTORS

The May 18, 2017 annual membership meeting and Board meeting of the State Water Contractors, Inc., were conducted at the Tsakopoulos Library Galleria in downtown Sacramento.

1. Annual Membership Meeting

The annual membership meeting of the State Water Contractors began promptly at 8:30 a.m. The first item of business was the selection of Board members to represent each of the classes for the upcoming year. The incumbent Directors were reappointed to the Board except as follows: Roland Sanford was appointed to take the place of Phil Miller as the Director from the Napa area, while the Class 8 (East Branch) Contractors reelected Doug Hedrick of San Bernardino Valley Municipal Water District to one position and elected Robert Cheng of Coachella Valley Water District to take the place of Kirby Brill as the other Class 8 Director.

SWC staff provided a report on accomplishments during the previous year, and proposed objectives for the upcoming year. A copy of the PowerPoint presentation used to provide that report is enclosed with this memo. Energy accomplishments included preventing a change in the Cal ISO governing structure for the proposed expansion of ISO outside of California, and also the filing of claims with SCE and PG&E for recovery of transmission rates charged by those utilities. Infrastructure accomplishments included repair of the Oroville river valves, initial hydraulic modeling and assessment of ground elevation subsidence affecting SWP aqueduct facilities, and accelerated emergency repair of the damaged intake structure at the Clifton Court Forebay. Water supply accomplishments included preparation of the EIR/EIS for Cal Water Fix, which will be completed within two weeks following issuance of biological

opinions on June 9; testimony before the State Water Resources Control Board for the proposed change in the point of diversion for Cal Water Fix; and creation of the Delta Compliance Committee to understand Delta regulatory compliance requirements, projects and costs.

2. Election of SWC Board Officers

Upon conclusion of the annual membership meeting, the monthly meeting of the SWC Board of Directors was called to order. The first item of business was the selection of officers for the upcoming fiscal year. Mark Gilkey of Tulare Lake Basin Water Storage District was selected as President of the Board, Steve Arakawa of Metropolitan Water District was selected as Vice President, and Matt Stone of Castaic Lake Water Agency was selected as Secretary.

3. SWP Operations Report

John Leahigh of DWR reported that the State Water Project is still enjoying a very good year in terms of water supply. The gated spillway at Oroville was scheduled for shut down the following day for the final time this year. Thereafter DWR was expected to manage releases from Oroville by delivering water through the Hyatt hydro facilities. Leahigh reported that this year DWR released 5.2 million acre feet of water from the Oroville spillway, breaking a previous record of 2.1 million acre feet in a single year. Flow regulations have taken effect on the San Joaquin River, reducing the quantity of the water available for export from the Delta. Article 21 deliveries were terminated the week prior to the meeting. This water year has been the wettest year on record, but also was warmer than normal. In 1983 the SWP watershed had almost twice as much snowpack as this year. Due to the problems with the spillway at Oroville, and DWR's precautionary measures to keep the lake level less than full to prevent potential problems, the SWP will be going into next year with less storage than normally would have been the case following a year like the one we just had. The lower storage heading into next year will likely affect next year's allocation as well. Leahigh reported that although an increase in the allocation is possible for this year, a further increase appears unlikely at this point.

4. General Manager's Report

SWC General Manager Jennifer Pierre reported that a letter to the Delta Stewardship Council commenting on the proposed Delta Plan would be sent out that day. She stated that the Delta Stewardship Council would be taking public comment on the proposed Delta Plan the following Thursday, May 25, and that a large number of people representing environmental interests were expected to provide comment in support of further restrictions on exports from the Delta. She asked Contractors to appear and provide comment in favor of the Cal Water Fix project, if possible. She noted that the biological opinions are expected to be issued on June 9, that the Record of Decision/Notice of Determination on the environmental document would be issued approximately two weeks thereafter, and that DWR would immediately file a validation action to ultimately clear the way for issuing bonds to finance the project. She also reported that the June meeting would be conducted in Chico rather than in Sacramento.

5. Cal Water Fix Cost Allocation Discussions

The Wednesday preceding the Thursday SWC meetings, there was a committee presentation and discussion at the Resources Building regarding the proposed method of allocating costs among Contractors for the Cal Water Fix project. A preliminary analysis had been prepared using certain assumptions, including cost estimates that will have to be updated later, to illustrate the proposed method of allocating cost. The key assumption, and the likely course, is that all Contractors will be required to participate in the Cal Water Fix project pursuant to their existing Water Supply Contracts. Contractors that cannot afford the cost will be allowed to sell or lease portions of their Table A Amounts, possibly with a "call back" provision to allow them to recover leased or sold amounts at a later date. The analysis demonstrated what the unit cost of water is projected to be, per acre foot, once the project is constructed and the annual reliability increases from an assumed 48% reliability to an assumed 61% reliability. The analysis used three Contractors as examples to show how much of their Table A Amounts would have to be sold in order to allow them to maintain their current unit cost for water received. The SWC is not yet prepared to release that analysis in print, because it needs to be refined. However, the plan is to develop a model that will allow each Contractor to project for itself what its additional

unit costs of water will be, and how much of its Table A Amount would have to be sold in order to maintain the existing unit costs for water received.

Michael T. Riddell

State Water Contractors 2016-17 Accomplishments 2017-18 Objectives

STATE WATER CONTRACTORS BOARD
MAY 18, 2017



Agenda

- Overview of Major Accomplishments and Revised Objectives by Group
 - Four Major Groups:
 1. Energy Resources
 2. Infrastructure Reliability
 3. Business Process
 4. Water Supply

Energy Resources Accomplishments

■ FY 2016-17

1. Contribute to effort to avoid legislation that would have allowed CAISO to expand which would have increased SWP transmission costs even more.
2. Join group of utilities (including DWR) in making claims against PG&E over excessive transmission costs and insufficient stakeholder input.
3. Coordinating with DWR to ensure the Habitat Expansion Plan remains viable instead of unproven and expensive fish passage at Oroville.

Energy Resources Objectives

■ FY 2017-18

No Objectives Revised:

- Address threats and opportunities to SWP Operations and Economics under Post-2020 Energy Policy
- Improve understanding of spot and near-term resource procurement and practices to manage risk
- Work with DWR on appropriate greenhouse gas and renewables policies that reflect SWP utility characteristics and rate concerns
- Obtaining acceptable new license for the Oroville complex and initiate process for same at SoCal facilities.
- Assure proper legal representation for potential litigation

Infrastructure Reliability Accomplishments

■ FY 2016-17

1. Modifications to Hyatt River Valve System completed and successfully operated up to intended 4,000 cfs capacity.
2. Initial hydraulic modeling and assessment of subsidence impacts to California Aqueduct capacity was performed.
3. Phase III of Control System upgrade (Oroville FD and all check sites) was completed.
4. Accelerated emergency repair of broken Clifton Court intake structure (not on Objectives list).

Infrastructure Reliability Objectives

■ FY 2017-18

Objectives Revised:

- Remove Oroville River Valves
- Add Oroville Spillway Remediation and Improvement (priority 1)
- Add SWP Seismic Vulnerability Studies (priority 2)
- Combine Motor/Gen refurb with Valve Rehab item (priority 3)

Business Process Accomplishments

■ FY 2016-17

1. Provided standardized reports of DWR's B132-17 draft budget data to Contractor Committees, to assist with the review of the 2018 Statement of Charges
2. Provided analysis and isolated the causes of recent increases in the Contractors' Statement of Charges; Transportation and Conservation Minimum Charges
3. Support Contractors' SWP Reporting Strategy Workgroup in developing near-term and long-term reporting strategies
4. Provide support for current contract amendment activities
5. Proposed standardized auditing categories to assist Contractors' development of a proposal to DWR addressing the prevention of errors or irregularities, identification of accounting problems, and ensuring that corrective action is taken
6. Promote and communicate comprehensive solution(s) for providing revenue stream for SWRDS' unfunded activities post-2035 and managing 51(e) revenues

Business Process Objectives

■ FY 2017-18

- Retitled Business Process Objectives to align with functions of a Chief Financial Manager

OBJECTIVES:

Functions of Financial Management	1.	Budgets	Monitor and promote DWR's development and management of a SWP budget to minimize annual variances and optimize reasonable revenue requirements
	2.	Financial Projections	Monitor and promote DWR's analysis, development and management of SWP's cost trends to maximize operational readiness at an optimal cost level ensuring long-term affordability
	3.	Financial Resources, Revenue Requirements, and Investments	Monitor and assess DWR's State Water Project financial performance with regard to operational goals, budgets, financial targets, and forecasts to maximize use of available revenues and optimize determination of revenue requirement
	4.	SWRDS Capital Development and Investment in Capital Infrastructure	Monitor and assess DWR's State Water Project capital infrastructure goals, budgets, financial targets, and forecasts to maximize debt financing and investment ensuring stable and level capital revenue requirements
	5.	Business Process Control Activities and Environment	Monitor and promote DWR's internal control directives, activities and environment to minimize financial risk, ensure financial integrity and maintain reporting reliability
	6.	Cash-flow	Monitor and promote DWR's development and management of a SWP cash-flow statement(s) and business process to ensure short-term and long-term SWP cash availability regardless of project purpose

Water Supply Accomplishments

■ FY 2016-17

1. The Final EIS/R, Biological Assessment, and 2081 Permit Application for the California WaterFix were completed and submitted.
2. The SWC worked with DWR to prepare and present testimony for the State Water Resource Control Board's Change in Point of Diversion hearing for California WaterFix.
3. The DWR/SWC Delta Compliance Committee was created and met regularly with the goal of understanding Delta regulatory compliance projects and costs.

Water Supply Objectives

■ FY 2017-18

Objectives Revised:

- Add Long-term Operations Reconsultation
 - Participate in the reinitiation of consultation on the CVP/SWP Long-term Operations for development of near-term project operations and associated Biological Opinions
- Add Delta Plan
 - Coordinate with DSC staff and board to ensure revisions to the Delta Plan are consistent with SWC planning and operations
- Expanded "Facilitate Water Transfers"
 - Include work on improving flexibility of Table A transfers.

Board Action Request

- Approve the State Water Contractors Work Objectives for Fiscal Year 2017-18

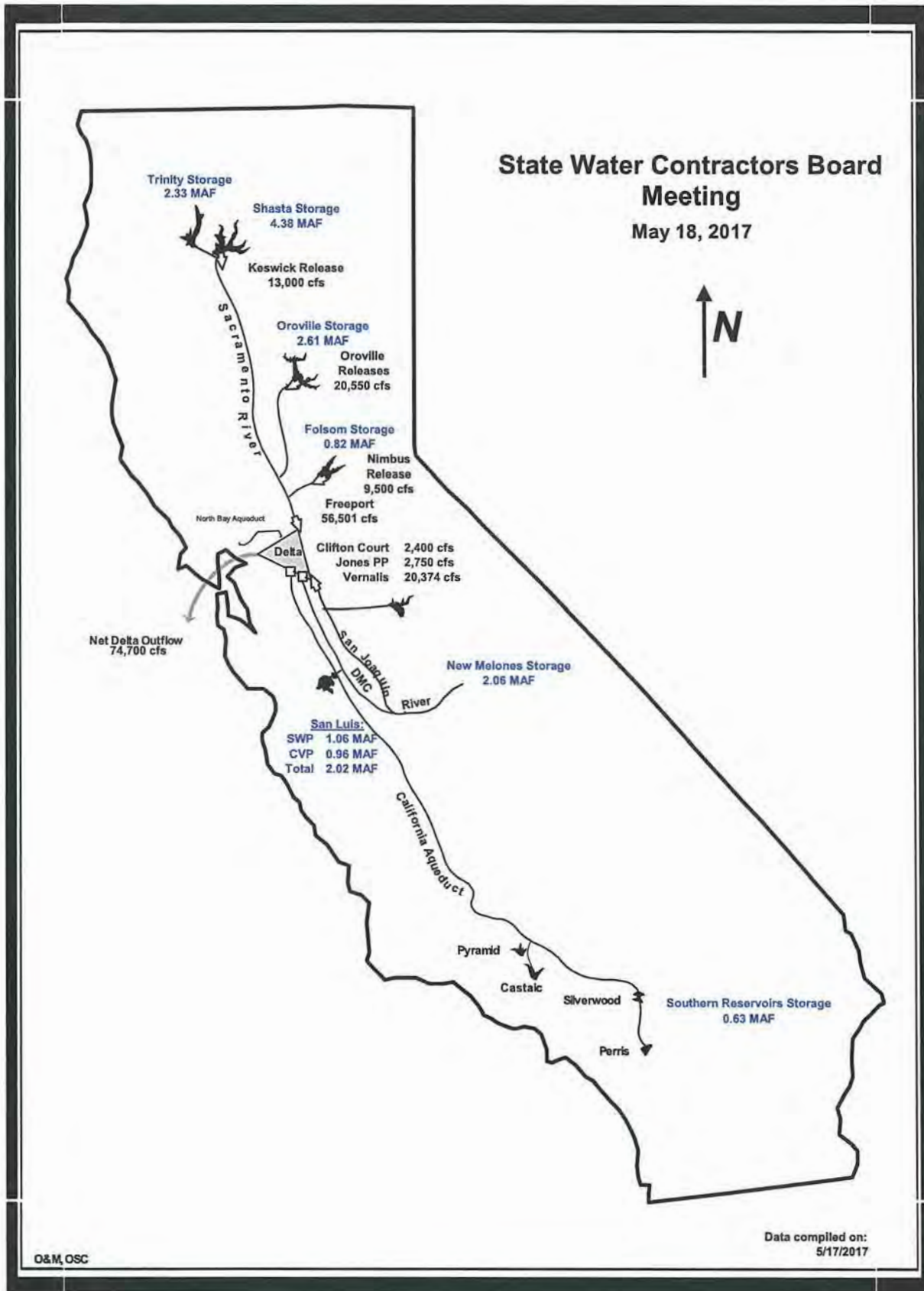
Questions

Jennifer Pierre

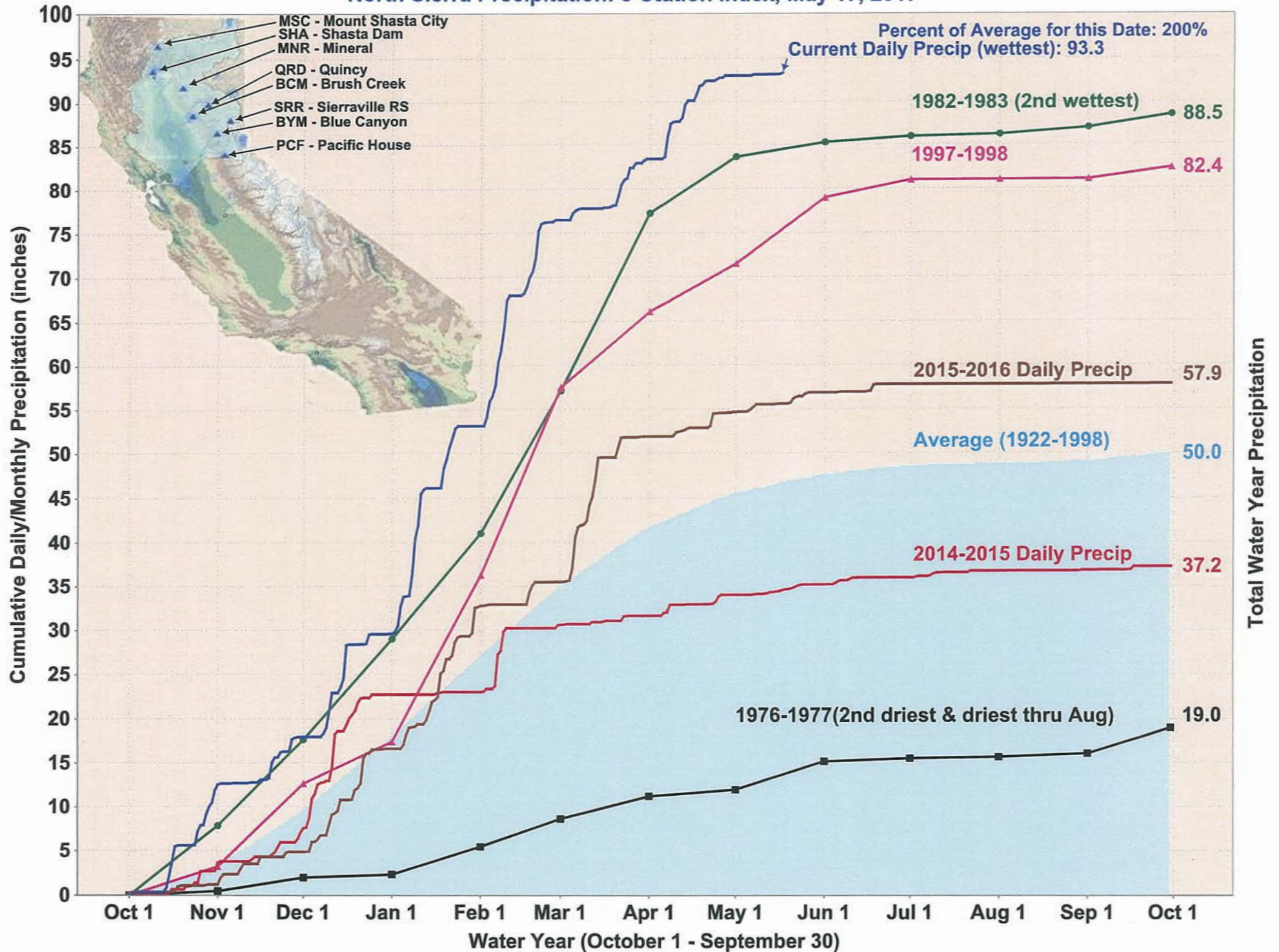
State Water Contractors

JPierre@swc.org

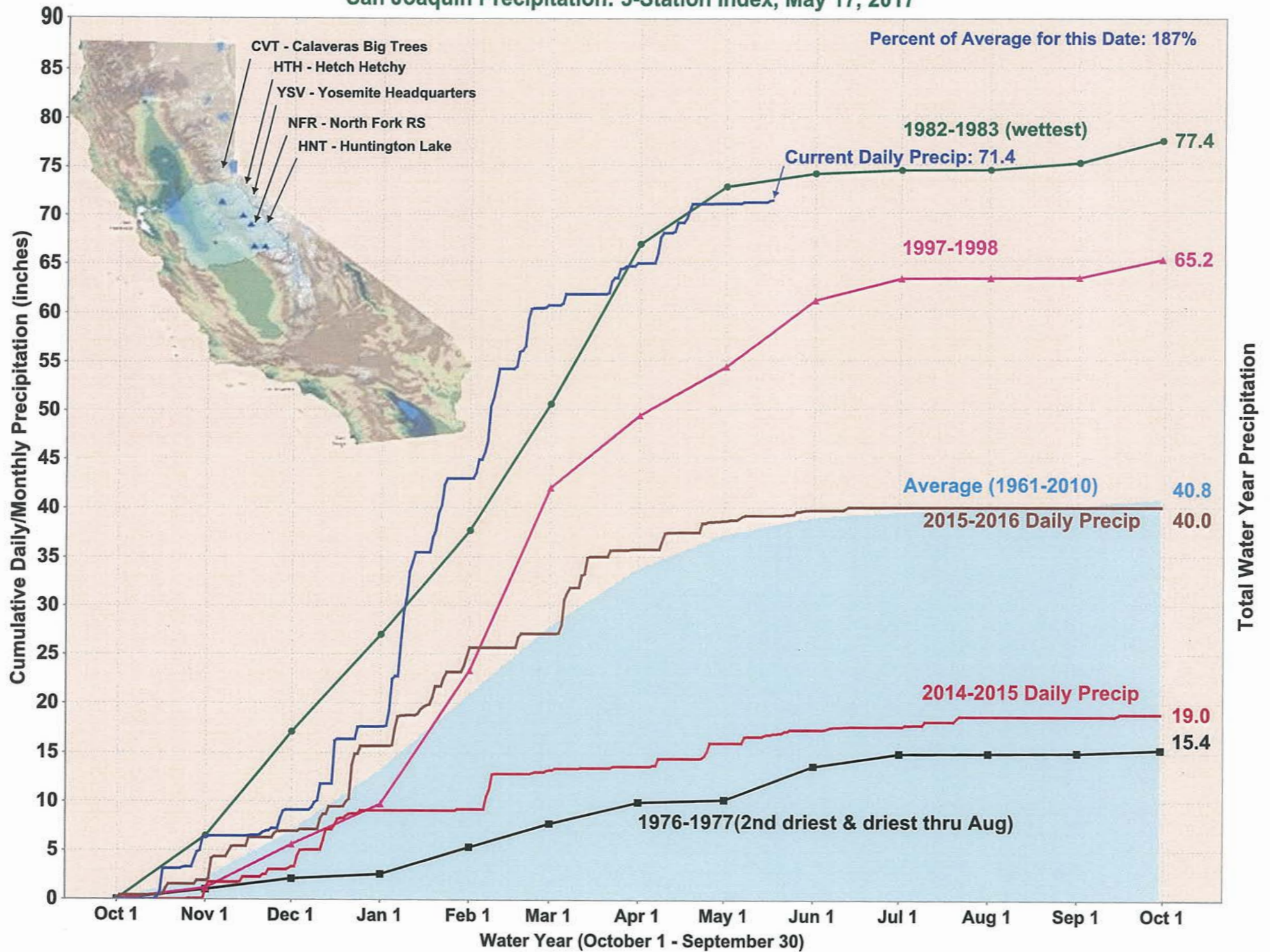
(916) 447-7357 ex: 203



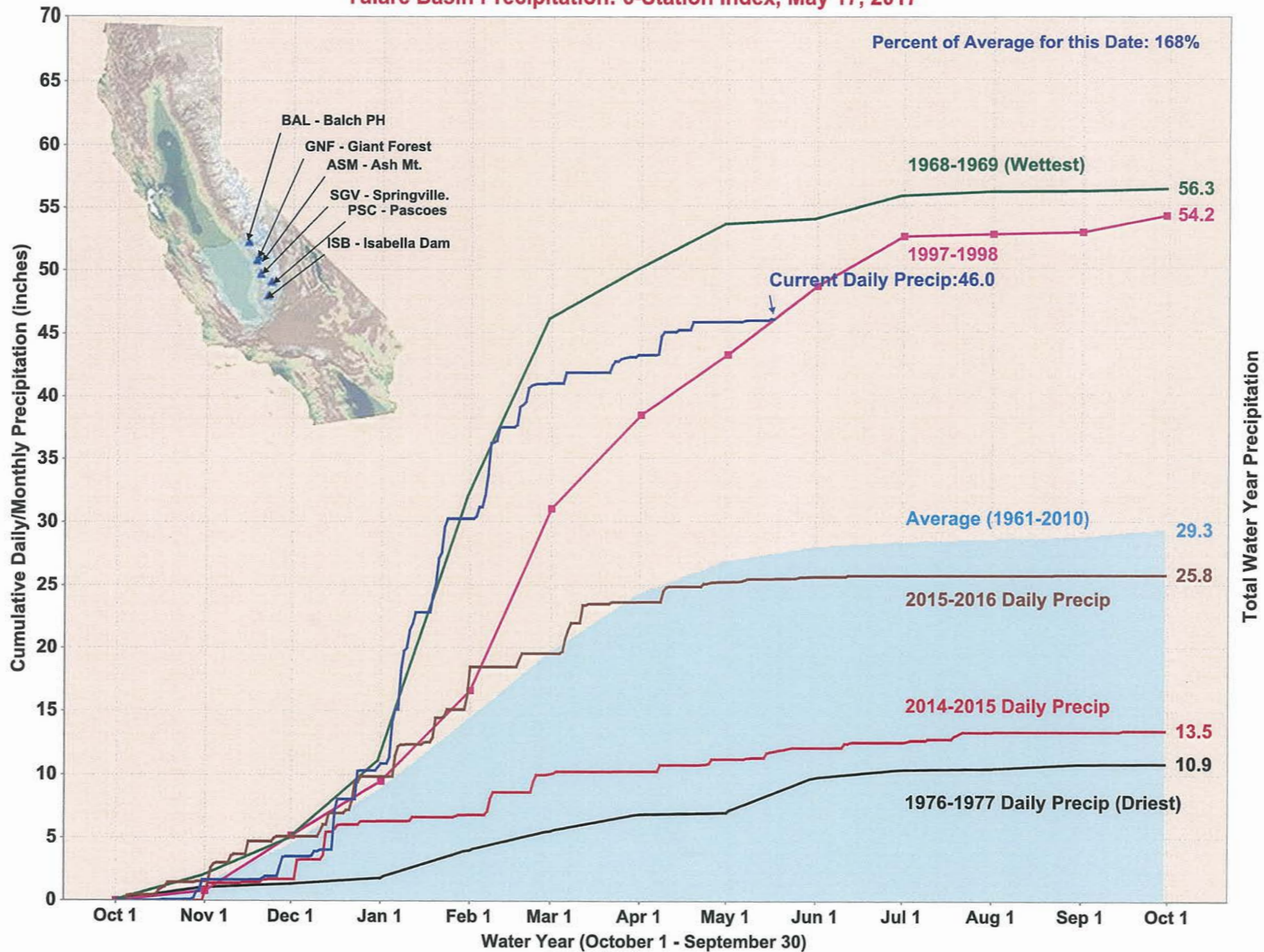
North Sierra Precipitation: 8-Station Index, May 17, 2017



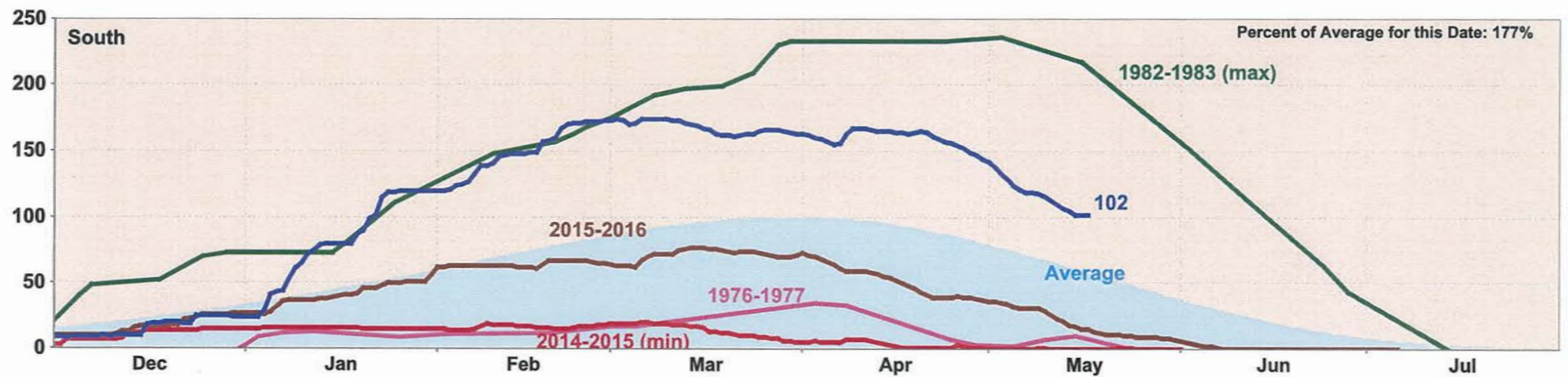
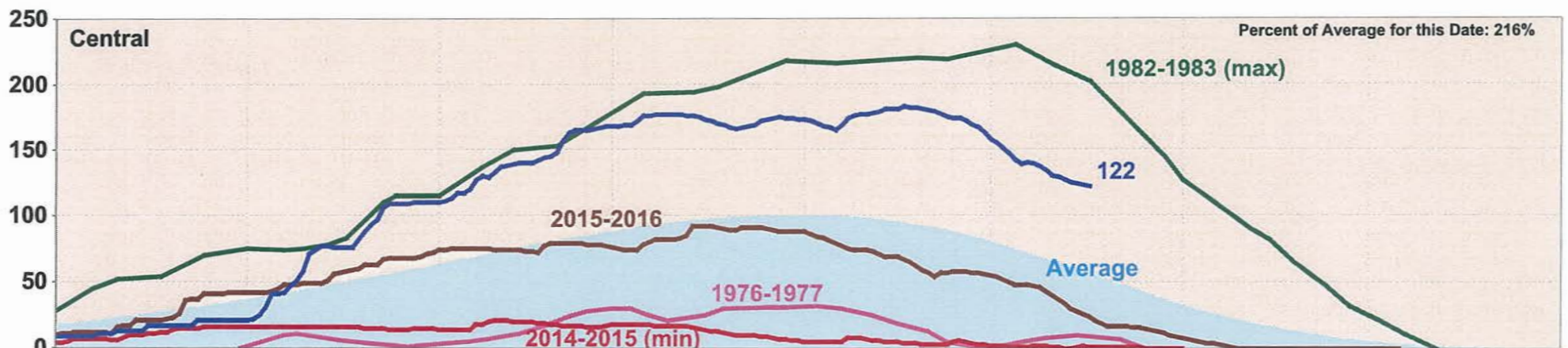
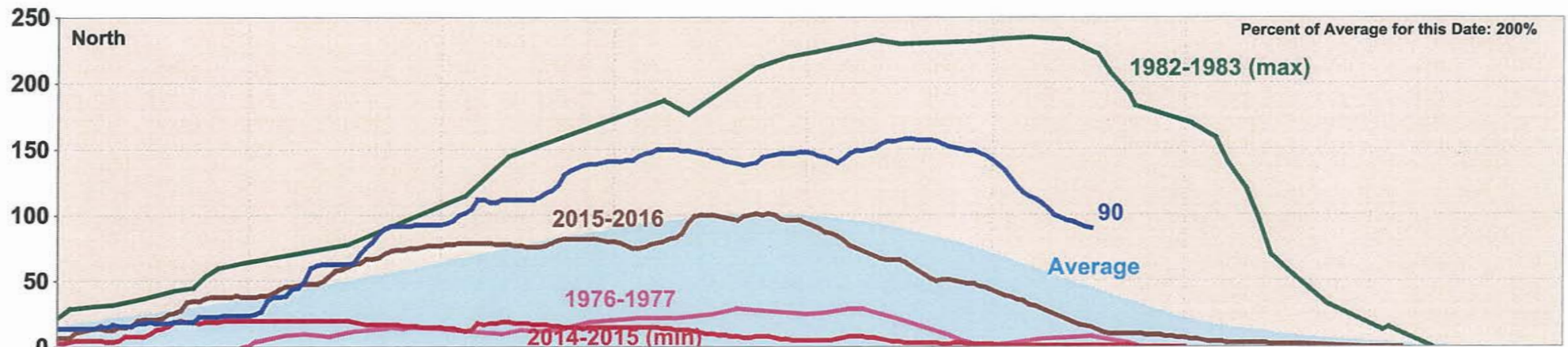
San Joaquin Precipitation: 5-Station Index, May 17, 2017



Tulare Basin Precipitation: 6-Station Index, May 17, 2017



California Snow Water Content, May 17, 2017, Percent of April 1 Average



Statewide Percent of April 1: 108%

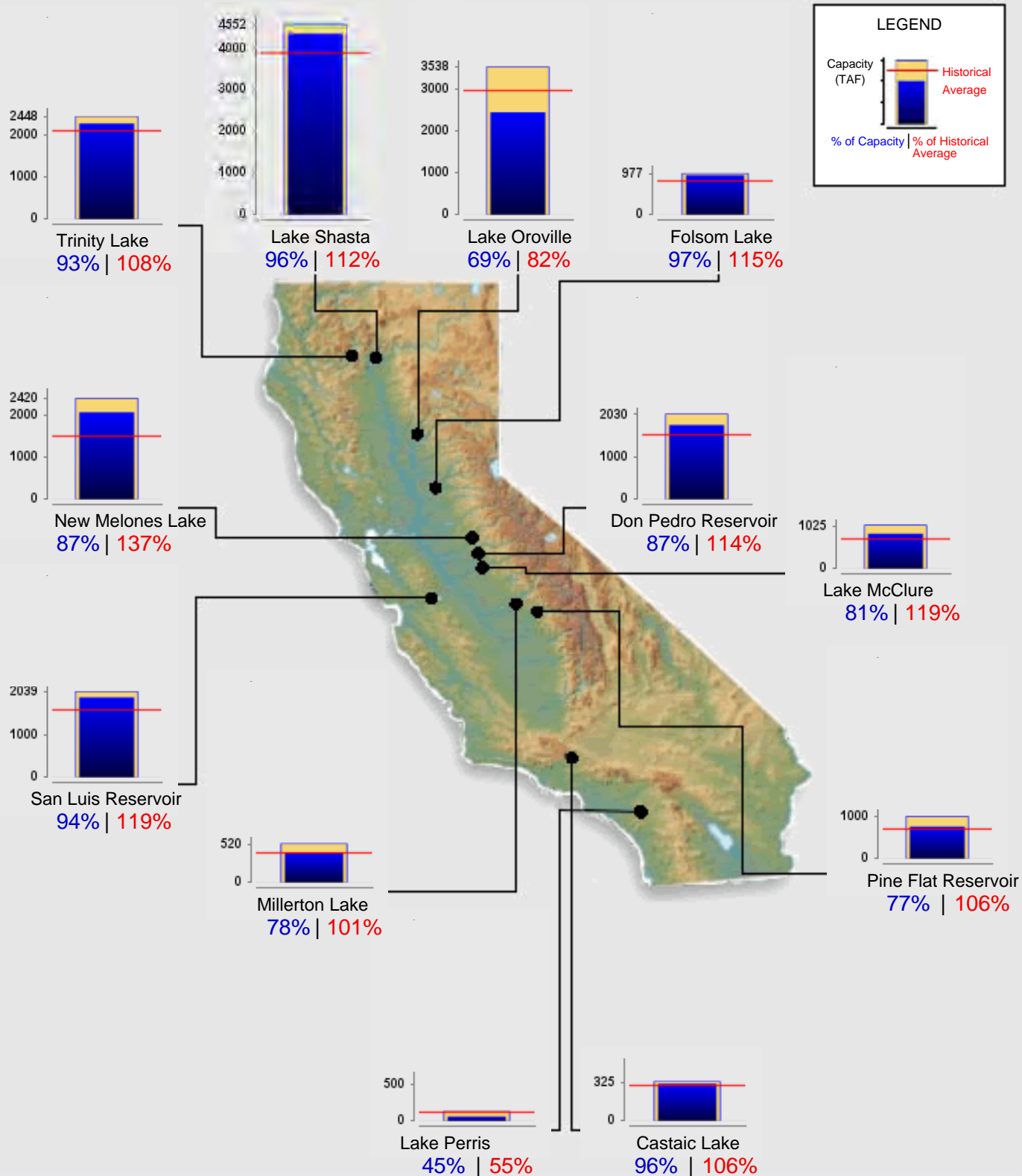
Statewide Percent of Average for Date: 201%



Reservoir Conditions

Ending At Midnight - June 1, 2017

CURRENT RESERVOIR CONDITIONS



**STAFF REPORT
TO
DESERT WATER AGENCY
BOARD OF DIRECTORS**

JUNE 6, 2017

**RE: FISCAL 2017/2018 OPERATING, GENERAL AND WASTEWATER
BUDGETS**

Attached for your review is a draft of the proposed Operating, General and Wastewater Fund Budgets for Fiscal Year 2017/2018. Along with the draft budget is a listing of budget highlights.

The Finance Committee has met, reviewed the budgets, and modifications have been made thereto.

Staff is available to answer any questions the Board may have with regard to the budgets for the 2017/2018 Fiscal Year.

**STAFF REPORT
TO
DESERT WATER AGENCY
BOARD OF DIRECTORS**

JUNE 6, 2017

**RE: 2380 E. SMOKEWOOD - FIRE HYDRANT AND SAMPLE
STATION RELOCATION INVESTIGATION**

As requested by the Board during its May 16, 2017 Board Meeting, staff investigated the history of the fire hydrant and sample station located in front of the residence at 2380 E. Smokewood Ave. As part of the investigation, staff performed the following tasks:

- Damage and maintenance record review
- Field investigation

The Agency maintains damage invoices for ten years. Staff reviewed all damage invoices on file and found none for this hydrant or sample station. Records for damages that occur due to a hit and run are held for approximately two years. Staff reviewed these records and found none for this hydrant or sample station. Staff also reviewed maintenance reports and discovered that the last recorded maintenance for the hydrant took place in December 2015 (hydrant painted).

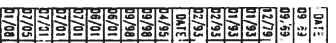
On May 16, 2017 staff visited the site to evaluate the conditions of the facilities and surrounding properties. Then, on May 26, staff performed a site survey of the area, mapping the current location of the facilities, property line, and edge of street asphalt. The survey confirmed that the facilities are located within the street right-of-way.

To relocate the facilities to the south (Proposed Relocation #1), staff estimates the cost to be \$16,000 for labor and materials. The work will require abandoning the existing facilities, welding a new side outlet on the main for the hydrant, hot tapping the main, upgrading the hydrant head, installing a new service saddle for the sample station, installing new piping for both facilities, and installing new concrete around the hydrant head and sample station cover.

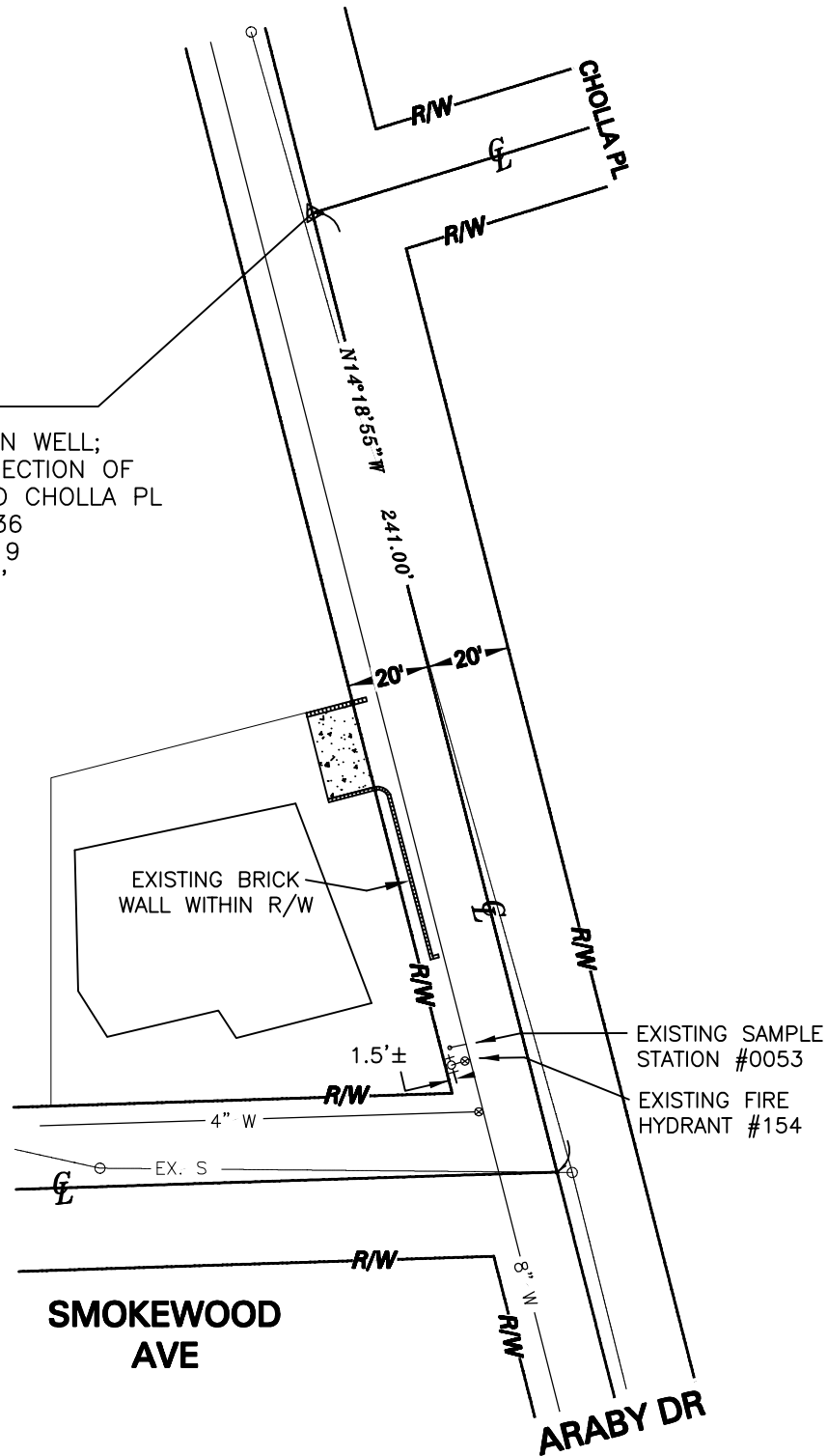
Another option (Proposed Relocation #2) would be to utilize the existing hydrant outlet and sample station service saddle and install a 90 degree angle on the hydrant lateral and sample station piping, relocating the facilities to the north of their current position, but still in front of the 2380 E. Smokewood property. Staff estimates the cost for this option to be \$5,000 for labor and materials.

Based on the research and site evaluation of the facilities, we believe this relocation is operationally unwarranted and therefore financially prohibited. Staff recommends not relocating the facilities at the Agency's expense. However, relocating the facilities at the customer's expense is an acceptable option.

3 c

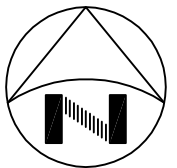


FD. 0.5" I.P. IN WELL;
IN THE INTERSECTION OF
ARABY DR AND CHOLLA PL
N: 2231599.936
E: 6481179.019
ELEV: 474.066'



LOCATION MAP

NOT TO SCALE



ARABY DR FH #154 PROPOSED RELOCATION MAP	DWG. BY SER	DATE 6/17	SCALE N.T.S.	W.O.NO.
	APP'D BY	REVISED	PERMIT	FILE NO.
	CHK'D BY SLJ			SHEET 1 OF 1
DESERT WATER AGENCY PALM SPRINGS, CALIFORNIA				



S Araby Dr

EX. WATER

PROPOSED RELOCATION #1

CURRENT FH LOCATION

E Smokewood Ave

PROPOSED RELOCATION #2

Google Earth

© 2016 Google

200 ft





PROPOSED RELOCATION #1



PROPOSED RELOCATION #2

**DESERT WATER AGENCY
MEDIA INFORMATION
MAY 2017**

DATE	PACKET PAGE	MEDIA SOURCE	ARTICLE
04/25/17	1-2	WOODLAND DAILY	Rice Farmer Expresses Confidence In Site Reservoir
04/25/17	3	PLEASANTON WEEKLY	Plenty Of Water That Will Cost More This Year
04/28/17	4-5	PRESS ENTERPRISE	Groundwater Is At Stake In Desert Pumping Plan
04/30/17	6-7	PRESS ENTERPRISE	Board Wants Strict Cap On Toxic Chemical In Tap Water
04/30/17	8-9	PRESS ENTERPRISE	Boost Possible In Water Supply
05/03/17	10	LOS ANGELES TIMES	State Snowpack Is Twice Normal Size
05/03/17	11-12	PRESS ENTERPRISE	Aquifers
05/04/17	13-15	LOS ANGELES TIMES	Rains End, But Flooding Dangers Loom If Massive Sierra Snowpack Melts Too Quickly
05/14/17	16-17	PRESS ENTERPRISE	Limits On Chromium-6 In Water In Limbo

ENVIRONMENT

Rice farmer expresses confidence in Sites Reservoir

Would add 500,000 acre-feet of water to state's water system

By Jim Smith, Woodland Daily Democrat, Tuesday, April 25, 2017

The long-proposed Sites Reservoir in Northern California is “going to get built” but it will be a challenge, according to Woodland-based rice farmer Fritz Durst.

Durst was speaking to the Woodland Chamber of Commerce Water Committee Tuesday morning and while he remains confident the Maxwell-area reservoir will one day be completed, he said there are challenges.

And, interestingly, the primary challenges are centered around involvement by the federal government — which is exactly the direction in which action is progressing.

As recently as last months, two Northern California congressmen, Doug LaMalfa, R-Richvale, and John Garamendi, D-Walnut Grove, introduced legislation that would accelerate the federal review of Sites Reservoir and improve its chances “should it be found feasible.”

The proposed 1.12 million acre-foot reservoir west of Maxwell in Colusa and Glenn counties has been under review for decades, and could get some state funding under Proposition 1, a \$7.5 billion water bond approved by voters in 2014.

During a ranging review of water availability in Yolo County and elsewhere in California that included such topics as salmon restoration, conservation of the Delta smelt and groundwater availability, Durst also touched on Sites and spoke about the advantages of having around 500,000 acre-feet of extra water annually to the state's water system.

“It depends on how you use the water,” he told the group of business and city officials.

He also said it was a matter of timing on being able to fill the reservoir once it's completed. Depending on rainfall, it could fill up in one- to three years.

That storage would also increase Northern California's overall water storage by about 23 percent and would also allow another 1.12 million acre-feet of water in other reservoirs such as Shasta, Trinity, Oroville and Folsom.

The problem, Durst said, was that in trying to meet the limits imposed by federal agencies, the work has gotten bogged down. It would be better, he said, if the state — or even Northern California alone — was able to complete the process.

However, the more pressing of challenges outlined by Durst is paying for construction, particularly getting a healthy dose of the \$2.7 billion of bond funds available from California's Proposition 1.

The Sites Reservoir committee has submitted an application for funding. It's estimated that the state could finance about half of the estimated \$4.4 billion construction cost. That would mean that half of the benefits from the project would go toward "public" benefits.

Yet, if the state doesn't vote for half the funding, more than enough investors are ready to pay the tab, Jim Watson, Sites Reservoir general manager reported last year.

Although investors are signed up from outside the Sacramento Valley area, only members within the Sacramento Valley will be the owner operators, which has been the plan from the beginning. The Southern California Metropolitan Water District, Durst reported Tuesday, is not on that list.

First dibs were given to Sacramento Valley investors, and 19 signed up for differing amounts.

Another 15 groups could receive water in the Bay Area, San Joaquin Valley and south of the Tehachapis.

Regardless of what happens, however, Durst said, the state is at a point "where we're either going to build it or stop talking about it."

Plenty of water that will cost more this year

By Tim Hunt, Uploaded: Apr 25, 2017

To the surprise of no one, the Zone 7 water district announced that the record rain and snowfall have resulted in abundant water supplies for Livermore Valley customers.

The state Dept. of Water Resources reported that average precipitation for the northern Sierra region is 209 percent above average, making 2017 the wettest year on record. The snowfall coupled with the local rainfall captured in Del Valle Reservoir means Zone 7 will deliver all the requested water both this year and next year even if the drought returns in 2018. The forecast also says that the agency expects to meet demand through 2021.

Notably, demand in 2016 from local residents and businesses was only 60 percent of what had been forecast. It will be interesting to see how that trend continues this year when there is abundant water available.

Of course, water rates may play into that as well. Water rates this year include a 57-cent per cubic foot surcharge to rebuild Zone 7's financial reserves that were depleted during the drought. It is scheduled to end after this year.

There's also the huge challenge of rebuilding the spillway at Lake Oroville, the major dam that serves Zone 7 and the 28 other water agencies that contract with the Dept. of Water Resources for water. The state agency has issued a \$275 million contract to rebuild or otherwise repair the heavily damaged spillway.

The feds will pick up 20 percent of that bill and perhaps more depending on disaster relief funds. The tab for the rest will go to the agencies such as Zone 7, which uses about 2 percent of the water supplied from Lake Oroville. The big bills will go to the Metropolitan Water District in Southern California and the two large ag districts in the San Joaquin Valley.

What's truly unfortunate is, in this record year, there's limited capability of storing the water. Voters passed a huge water bond in 2014 that included money for reservoirs. Have you seen construction on the Sites reservoir, which would be an off-river facility such as San Luis Reservoir near Los Banos? Building Sites would be beneficial for both water supply and for fish.

Water stored there can be released into the Delta for summer and fall supplies, allowing cold water to be held back in Lake Shasta where salmon spawn. Salmon eggs die if water temperatures reach the high 50s, so releasing cold water from Lake Shasta is important to maintaining the natural runs. That's why Sites is a win-win environmentally and for water supplies. And, it dams no river.

The abundant water supply also offers agencies the opportunity to refill ground water basins. Zone 7 has managed the valley's ground water basin for decades and routinely replenishes the basin during summer and fall months. That's why some arroyos, that otherwise would dry up, run year-round.

Groundwater is at stake in desert pumping plan

Power project near Joshua Tree National Park could deplete aquifer, critics contend

By David Danelski, April 28, 2017

Federal land managers have advanced plans for a \$1.4 billion energy-storage project in which desert groundwater would be pumped to high-elevation reservoirs near Joshua Tree National Park and then released downhill to generate electricity.

Late last week, the Bureau of Land Management found that using 1,150 acres of public land — mainly for the project's power and water lines — would not cause significant harm to the environment. The acreage stretches between Interstate 10 and the national park. The finding moves the project, which was licensed by federal energy officials in 2014, into a 30-day period to allow for official protests.

The Eagle Mountain Hydroelectric Project would use two defunct Kaiser Steel iron ore pits to hold water pumped from wells on the desert floor about 15 miles away. These are the same Eagle Mountain mine pits where developers had sought to build the world's largest landfill.

Even though the pumps would use more electricity than the system would create, Santa Monica-based Eagle Crest Energy plans to take advantage of cheaper electricity that's abundant during off-peak times for pumping water, and later release the water downhill to run the generators during high-use times, such as in the evenings when electricity is more valuable.

Such energy-storage systems could help California use a glut of solar energy produced in late mornings and early afternoons. This glut has forced some solar plants to be turned off during peak production times, because supply exceeds demand.

Enough to power 900,000 houses

The Eagle Mountain project would store enough electricity to power about 900,000 houses, according to the BLM.

Company officials were pleased with the decision.

"We welcome the Bureau of Land Management's findings and look forward to continuing to work with the BLM and other agencies to bring this project to fruition and eliminate millions of tons of greenhouse gas emissions and assist California in meeting its renewable energy goals," Eagle Crest Energy President Steve Lowe said in a statement.

Despite the BLM decision, the project still may be challenged by environmentalists.

The Tucson-based Center for Biological Diversity is considering filing an official protest to the BLM's finding, said Ileene Anderson, a biologist for the center. Such protests must be submitted before lawsuits can be filed.

The center and the National Parks Conservation Association oppose the project, arguing its water use could deplete an aquifer that goes under the park and may cause springs important to wildlife to dry up.

“Water is the most precious thing in the desert,” said David Lamfrom of the conservation association. “To use tens of thousands of acre-feet from the aquifer just doesn’t make sense.”

Filling the plant would require about 24,000 acrefeet of water — nearly 8 billion gallons — over three to four years, company officials have said. They contend that water-level drops in the aquifer would not be harmful.

The project would take away and compromise habitat needed by desert tortoises, bighorn sheep and golden eagles, among other wildlife, as well as crowd the park with large-scale industrial use, he said.

The Eagle Mine land was part of the original Joshua Tree National Monument when it was established by President Franklin Roosevelt in 1936. But in 1950, it was among 265,000 acres removed from the original 825,000 acres to allow for mining and subdivisions. This included land for the Kaiser Steel iron mine that produced ore needed for shipbuilding and other industries.

The pump-storage project is latest conservation fight in the area.

After the iron mines closed in 1983, a plan emerged to turn the open pits and surrounding canyons into the world’s largest garbage dump. As much as 20,000 tons of trash per day would have been delivered by rail from Los Angeles County and buried in mine pits and surrounding canyons.

That 25-year battle ended in 2013 when the landfill proposal was withdrawn. The project’s developers had filed for Chapter 11 bankruptcy protection two years earlier. Eagle Crest Energy acquired the mine areas in 2015.

Lamfrom argues that public land should be returned to the park as intended by Roosevelt.

Last year, the National Park Service found that private and public lands in the Eagle Mountain area would be suitable for Joshua Tree, which became a national park in 1994.

ENVIRONMENT**Board wants strict cap on toxic chemical in tap water**

By Stephanie O'Neill, April 30, 2017

California Healthline

California regulators are proposing a strict limit on a toxic man-made chemical that has contaminated water supplies throughout the state, particularly in its vast agricultural heartland.

California would be the second state, after Hawaii, to establish a threshold for the former pesticide ingredient and industrial solvent known as TCP (1,2,3-trichloropropane) in drinking water. The chemical compound, identified in California as a human carcinogen, is no longer in wide use but has leached over the years into many wells and reservoirs in California and other states.

The California State Water Resources Control Board's proposal would set the maximum allowable amount of TCP in public tap water at five parts per trillion — the lowest level that existing filtration systems can reliably detect and far lower than Hawaii's.

It "is a top priority for the state water board," said board spokesman Andrew DiLuccia.

TCP taints water systems serving nearly a million people from Sacramento to San Diego, according to the state water board. The compound is present at levels above the proposed limit in 562 wells, reservoirs and other sources belonging to 94 public water systems, according to 2016 data. Those numbers do not include private wells.

Citing federal data, the Environmental Working Group, a Washington, D.C.-based advocacy organization, says the chemical also has been detected in water supplies of a dozen other states, including New York, Pennsylvania and New Jersey, as well as Puerto Rico. The group, or EWG, said the extent of contamination is likely underestimated because federal tests used a contamination threshold much higher than California's. (The federal government does not set restrictions on TCP in drinking water.) Once TCP gets into the groundwater, it "persists for centuries," according to the EWG's April report.

In California, the contamination exists in many urban areas, including in Los Angeles, San Bernardino and San Mateo counties. Though the source in those more populated regions is not known, the pollution is believed to come from industrial and hazardous waste sites.

"Los Angeles has quite a bit of contamination," said Andria Ventura, toxics program manager for the environmental advocacy group Clean Water Action. "It's hard for water providers to pinpoint where it came from."

But California's most serious and widespread TCP contamination is in the agricultural counties of the Central Valley, where the chemical was an ingredient in soil fumigants sold by the Shell Oil and Dow Chemical companies from at least the 1950s into the 1980s.

During that period, farmers who grew potatoes, sugar beets and other vegetables used the fumigants to kill tiny, soil-dwelling worms called nematodes. Dozens of municipalities and public water suppliers across the state have filed lawsuits against Shell and Dow, alleging that the companies knew — or should have known — that the TCP in their soil-fumigating pesticides would migrate into groundwater and pose a serious health hazard.

Shell and Dow have denied wrongdoing. Shell quit selling its product, known as D-D, in the mid-1980s. About the same time, Dow opted to reformulate its fumigant, known as Telone, after which TCP declined to “generally undetectable” levels, according to company spokesman Jarrod Erpelding. He declined to comment further, citing pending litigation.

Shell sent an email response: “The former Shell agricultural product, last manufactured more than 30 years ago, contained trace amounts of 1,2,3 trichloropropane (TCP). It was used to control microscopic worms that attacked crops causing millions of dollars a year of crop loss for farmers, and was approved for use by the U.S. government and the State of California.”

Environmental advocates say the adoption of a regulatory limit for TCP is a crucial step to help cashstrapped, rural water districts pay for the cleanup of their drinking water.

“It allows the districts when they go into court to be very specific and say to the judge, ‘We’re going to need exactly this amount of money to purchase this kind of system to meet the state standards,’” said Bill Walker, managing editor at the Environmental Working Group.

At a public hearing on April 19, water board members heard testimony and received written comments on the proposed limit. Now the board is reviewing the input it received and will likely vote on the plan by summer, DiLuccia said.

California Healthline Managing Editor Bernard Wolfson contributed to this report. California Healthline is a service of the California Health Care Foundation produced by Kaiser Health News, an editorially independent program of the Kaiser Family Foundation.

SAN JACINTO VALLEY

Boost possible in water supply

Projects could increase storage and enhance purification efforts

By Craig Shultz, April 30, 2017

Eastern Municipal Water District is about to embark on a first-of-its-kind plan in Riverside County to increase the amount — and improve the quality — of groundwater in the San Jacinto Valley.

Collectively called Groundwater Reliability Plus, the projects are expected to help droughtproof the region by increasing storage and purifying recycled water. The projects include constructing multiple facilities to recharge water and to increase sources of water around the San Jacinto River.

“It will help us better deal with future conditions of drought,” said Joe Mouawad, EMWD’s assistant general manager for planning, engineering and construction.

EMWD, which serves portions of Hemet and San Jacinto as part of its 555-square-mile service area from Moreno Valley to Temecula, already has recharge facilities in San Jacinto and has plans to construct more. It gets about half of its water from imported sources, and the project will help collect more water locally.

One process will blend treated recycled water into natural water sources that can ultimately be used for drinking water after further filtration and treatment. Officials say the water is safe and the process has been successfully used in other districts throughout the state.

“It’s proven, it’s science-based,” district spokesman Kevin Pearson said.

Recharge is a process where water moves downward from surface water to groundwater. It is the primary method through which water enters an aquifer. Recycled water is wastewater that has been purified so it can be used again for new, non-drinking purposes.

“Our objective is to continually increase the amount of water we can recharge into the ground,” said Mouawad.

Consumers can look at the new storage capabilities as a sort of savings account, officials said. Water can be collected when it’s plentiful and stored until it’s needed.

“We can put it in in the winter and take it out in the summer,” Mouawad said.

No other water district in Riverside County has a recycled underground recharge program, although the process has been done successfully in Chino, Orange County and San Diego.

As it is, EMWD doesn’t let any water go to waste, recycling wastewater for uses such as irrigating farms, parks and golf courses.

“In the last three years we used every drop we’ve generated,” Mouawad said.

Additional potable water will also help the district as it grows.

“Our service area is only 40 percent built out,” Pearson said. “We have to meet the demands in the future. We just came out of this major drought, we need to be prepared for three, four, 10 droughts down the road.”

The construction project will bring water from EMWD facilities on Sanderson Avenue to ponds throughout the San Jacinto Valley, including a new facility that will be constructed at Mountain and Esplanade avenues.

The multi-million project will be paid for through money set aside for construction and from new hook-ups. There will be no additional charge to the district’s 146,000 customers, Mouawad said.

The projects also will help meet the conditions of a settlement related to water rights for the Soboba Band of Luiseño Indians. The four water providers in the San Jacinto Valley are responsible for sustaining the amount of water in the basin.

The settlement came after the tribe filed suit over seepage of water from the Soboba Reservation into the Metropolitan Water District’s nearby San Jacinto Tunnel.

Construction for the water banking project could be completed in the summer of 2019. The purified water replenishment project could be completed by 2022. The district is starting its public outreach program in May, meeting with chambers of commerce, service clubs, homeowners associations and the like to explain the project.

May 3, 2017

State snowpack is twice normal size

ASSOCIATED PRESS

State water managers say California's springtime snowpack is nearly double its normal levels after five years of historic drought.

They say all the snow is beginning to melt, increasing the risk of flooding for communities downstream.

The California Department of Water Resources on Monday conducted its final snowpack survey of the state's wet season. The snow

holds more water compared with the last several years.

The measurement comes well into spring, when the weather warms and snow melts, rushing downhill into canals and reservoirs.

Forecasters with the National Oceanic and Atmospheric Administration expect the Merced River in Yosemite National Park to go about a foot over its banks Wednesday.

The mountain snow provides roughly a third of California's water supply.

WATER REPLENISHING

AQUIFERS

Strong storm season increases Seven Oaks Dam output

By Sandra Emerson, May 3, 2017

HIGHLAND - Higher levels of water behind Seven Oaks Dam from heavier rains pelting the region this past storm season is welcome news for local agencies responsible for shoring up local groundwater supplies.

With the storm season over, the dam releases 20 to 30 cubic feet of water per second, or about 30 million gallons per day.

Those releases have helped the San Bernardino Valley Water Conservation District divert more water to support one of the area's major water sources, the Bunker Hill Groundwater Basin.

Since October, when storm season officially started, the district has recharged the basin with about 27,700 acre feet of water, including about 6,000 in State Water Project water, which is more than the past three years combined, said Daniel Cozad, spokesman with the conservation district.

"It's very joyous to have water," Cozad said. "Being a water conservation district whose main job is putting water into the ground, it's less fun when there's no water."

Completed in 2000, the earthen Seven Oaks Dam was not meant for long-term water storage. Its primary function is to reduce flood risk in San Bernardino, Riverside and Orange counties. That means water is released regularly, San Bernardino County officials said.

Water levels are maintained around 100 feet during storm season, from Oct. 15 to April 15.

"The water level only rose a little over 100 feet this year, which is not a whole lot in comparison to what the dam actually holds," said Scott Ryan, operations superintendent with the San Bernardino County Department of Public Works.

The dam is releasing about 30million gallons a day from the reservoir north of the dam. Water behind the dam is around 87feet, according to San Bernardino County Public Works.

"Although," he added, "the dam was at one of its lowest levels ever prior to the season with the drought."

Because of higher inflow this year, more water is being released from behind the dam, though at a slower pace and over a longer period, said Roni Edis, spokeswoman for county public works.

The public works department takes its cue on how much water to release from Orange County Flood Control and the Army Corps of Engineers, which operates the Prado Dam downstream near Corona. Water at Seven Oaks is released at a minimum of 3 cubic feet per second, but depending on the time of year and amount of water behind the dam, the flow is adjusted.

Downstream concerns

"What we do affects them downstream, so they play a major part in what we do and how we regulate our water," Ryan said.

At 550 feet tall and 3,000 feet wide, the dam is about a mile upstream from Greenspot Road and makes up part of what officials call the Santa Ana River Mainstem Flood Control System — which tries to assure against a 100-year flood in the river channel between Seven Oaks and Prado.

Seven Oaks was made to withstand an earthquake of a magnitude over 8.0 and offers 350-year flood protection at the site.

The flood control improvements follow the Santa Ana River from Seven Oaks to the Pacific Ocean.

‘Dams work in tandem’

“These two dams work in tandem with each other so you can get more benefit by operating them together instead of independently,” said David Lovell, a public works engineer.

Meanwhile, about a half mile downstream from Seven Oaks, field crews with the water conservation district work to divert the water into its percolation basins. The county works with local water agencies, such as the district and Bear Valley Mutual Water Co., to capture as much water as possible.

Although the California drought is over from a surface water perspective, Cozad with the conservation district said, there is still a long way to go to replenish the Bunker Hill basin.

“Our groundwater basin is still near historic lows,” he said. “We could use as much as 500,000 acre feet of water to recharge our basin. That would be 10 really wet years.”

Rains end, but flooding dangers loom if massive Sierra snowpack melts too quickly

Joseph Serna, May 4, 2017

Tranquillity, Calif. - The rain has largely stopped after one of the wettest winters in California.

But as spring temperatures begin to climb and snow in the Sierra Nevada melts, the threat of flooding has communities across the Central Valley on edge.

The storms that set a rainfall record in Northern California have left a vast layer of mountain snowpack, which now sits at almost 200% of average for the first week of May. In some areas, the snow is 80 feet deep, according to state and NASA reports.

Downstream, the rapid snowmelt is keeping public agencies juggling water levels across the state's network of reservoirs. Water district managers conduct daily conference calls to coordinate how much water each expects to release into California's labyrinth of rivers, creeks, bypasses and canals.

The coordination is crucial, as the reservoir releases affect water levels far downstream days later. Also, one reservoir's release may meet with another, so managers must painstakingly chart how much water rivers and levees can support before overflowing.

The concerns are magnified in some areas by subsidence, a festering problem exacerbated by five years of drought in the Central Valley.

Though the land's gradual sinking has been documented for decades in California, studies show that in Tranquillity and other Central Valley locations, the ground has begun to dip even faster in recent years.

During the drought, mandates to protect fish and other wildlife in the Sacramento-San Joaquin Delta limited irrigation deliveries to farmers in places like Tranquillity, west of Fresno, and Corcoran to the south. Those farmers increasingly relied on groundwater pumping for their crops, which has caused the ground to sink by several feet in some areas.

This subsidence has lowered levee walls in some places and created dips in canal channels that can alter the flow of water.

"The levees, they're just taking a beating," said David Rizzardo, water supply forecasting chief for the state Department of Water Resources. "It's like a boxing match, and the guy just doesn't give up and he's taking a left and a right to the face."

A heat wave could cause chaos

In Mendota, where the Kings and San Joaquin rivers converge and flow north to the delta, subsidence has reduced the capacity of at least one adjacent flood-control channel, officials said.

The question remains how the system will hold up if a scorching heat wave or a warm rain rapidly melts the snow and the reservoirs aren't ready for the surge.

"Just think of a bathtub fairly full, and now you have several bathtubs waiting to fill it and a very small drain on the other end," Rizzardo said. "It's like a maze that you haven't figured out how you're going to get out of yet." A warm spell this week prompted a new set of warnings for possible flooding. The biggest concerns were along portions of the Truckee and Merced rivers, where Yosemite National Park issued a warning to visitors that the

picturesque Pohono Bridge could be flooded Thursday. Other rivers under watch include portions of the Sacramento and San Joaquin rivers.

Not very tranquil in Tranquillity

When the levee collapsed in 2006, Tranquillity farmers were desperate to stop the torrent of water that flooded their crops.

As Danny Wade tells it, irrigation officials couldn't fill the breach fast enough, so one farmer decided to plug the hole with his sister's Porsche.

"This was a nice-looking car that just needed some repairs to get it going again," recalled Wade, the Tranquillity Irrigation District's general manager. "His idea was: 'We're going to push the car off in that hole to slow the water down.' He pushed it off there, and it ended up about 300 yards in the field. It looked like a boat going across the field. ... Everyone still teases him to this day."

Workers eventually repaired the levee with concrete, but several thousand acres of crops were destroyed. Now, more than a decade later, this Central Valley community worries there may be a repeat of that 2006 disaster.

In the run-up to the flood, the aging, earthen levee system that protects towns and farms in the Sacramento and San Joaquin river basins was pounded by historic rains, weakened by saturation and compromised by burrowing wildlife — much as it was this winter.

Likewise, the Tranquillity levee failed in May 2006 when a weeklong heat wave melted the Sierra Nevada snowpack and sent runoff surging into the valley.

Squirrels and gophers are your worst enemy

In places like Tranquillity, a community of 1,000 residents and 10,000 acres of farmland, preparations for the snowmelt have been underway for months.

On a Thursday morning in April, Wade drove his heavy-duty pickup atop the levee that blew out in 2006 and sent water from the James Bypass canal onto fields of cotton and alfalfa seed reaching more than a mile east. He kept his eyes peeled for holes dug by animals.

"Squirrels and gophers are your worst enemy," Wade said. "We were at a 95% chance or better of blowing out."

The animals can create complex burrows, making the levees vulnerable to erosion when they come up against swift-moving water or heavy rain.

Two months ago, Tranquillity's levee patrol found a north-south section that was compromised with seven gopher holes, Wade said.

So his district quickly purchased the 500-acre field next to the levee and excavated the land to reinforce the earthen mound.

"The option is: 'Give up a few acres or all your onions are going to be underwater,'" Wade recalled telling the previous landowner. "It was an easy decision for him."

For weeks, a private contractor and Wade's eight-man crew spent every waking hour packing thick, dark soil onto the top and backside of the levee, with only four- or five-hour breaks for sleep.

‘You’re not stopping that flood’

No longer concerned about subsidence, Wade said the fate of Tranquillity now depends on whether the federally run Pine Flat Dam reservoir that feeds the town has enough space for all that snowmelt.

The reservoir can hold 1 million acre-feet of water and was about half-full on May 3. State estimates say there’s enough water in the snowpack in the mountains above — somewhere between 2.2 million and 2.5 million acre-feet of water — to fill the reservoir more than twice over.

“If we started getting a warm rain melting the snow too fast and they dump it ... that’s the only way we would flood,” Wade said. “You could build these banks from here clear to Babel, and you’re not stopping that flood.”

If the levee in Tranquillity fails, water will have to be diverted to the south fork of the Kings River — and toward Corcoran and its state prison 60 miles south.

Subsidence has been a known issue there too, said Rizzardo, the state water-supply forecasting chief.

“It’s not like nobody wants to fix it; it’s just a hard fix,” he said. “It’s a lot of money and a lot of resources to do it.”

Preparing for a worst-case scenario

Dustin Fuller, manager of the Cross Creek Flood Control District, can attest to that.

“I can tell you farm ground will go under this year — I don’t know to what extent,” Fuller said. “My job is to look at the worst-case scenario, and the worst-case scenario is water encompasses this whole area.”

Though he’s taken state lawmakers on tours and explained what subsidence is and that new federal standards in the wake of Hurricane Katrina require wider levees, it hasn’t resulted in money for levee improvements here, he said.

According to federal standards, rural areas with sparse populations “might not be calculated to generate sufficient economic benefit to offset the costs of levee rehabilitation,” a state Legislative Analyst’s Office report in March stated. There is an estimated \$2 billion worth of crops in Fresno, Tulare and San Joaquin counties, it said.

Fuller said if Corcoran flooded, it would cause \$600 million in damage.

Taking matters into his own hands

Many of the state’s dams and weirs are at least 60 years old, and in the Central Valley, many were built more than a century ago, the report stated. It noted that flood-management responsibilities in California are spread among more than 1,300 local agencies managing an infrastructure of more than 20,000 miles of levees and channels and more than 1,500 dams and reservoirs.

In February, Fuller decided he no longer could wait for the politicians. He called a local contractor who has lived in the community for decades to supply the labor, hammered out a contract in a week with the Corcoran prison to excavate one of its wheat fields and launched a \$14-million effort to raise 14 miles of levee wall by 4 feet.

Fuller said his agency will be able to pay off the contract by 2020. In the meantime, crews have piled on more than 700,000 cubic yards of dirt, enough to cover 120 football fields, on top of and alongside the area’s levees. They are now 4 feet taller and 10 feet wider than they were before the drought, he said.

“We had to take the bull by the horns and get to work,” Fuller said. “I don’t have time to wait for the bureaucrats to square this mess out.”

BANNING**Limits on chromium-6 in water in limbo*****Judge's review of stricter state standard may benefit suppliers, residents*****By Gail Wesson, May 14, 2017**

Although they did not file the lawsuit, water providers — including Banning and the desert areas of Riverside and San Bernardino counties — may get at least temporary relief after a Sacramento judge ruled the state didn't take into account economic impacts when setting a chromium-6 drinking water standard more stringent than the federal standard.

Water suppliers are looking at costly construction of treatment facilities that ultimately will affect the rates their customers pay. Banning, which has its own water system, and the Coachella Valley Water District are seeking millions in state assistance for design of a compliance project that would include pilot programs to try cheaper treatment methods.

In May 2014, the state Department of Public Health set the state's drinking water standard for the naturally occurring mineral at a maximum contaminant level of 10 parts per billion. The federal Environmental Protection Agency standard is 100 parts per billion for total chromium, which includes chromium-6 and chromium-3. The latter is a mineral the body needs.

The state limit is equivalent to 10 drops of water in an Olympicsized swimming pool.

"The amount of studies and infrastructure needed to meet the State's current requirement would cost water districts millions of dollars and those costs would ultimately be passed on to customers in water rate increases," Banning City Manager Michael Rock noted in a written statement.

In the high desert, the Twentynine Palms Water District is considered a disadvantaged community with U.S. census data showing income of less than 80 percent of the state's median household income, according to the district.

"By requiring the state to take affordability seriously in enacting a new standard, we will use the time wisely in looking for treatment systems that are affordable to our residents and businesses," Ray Kolisz, the district's general manager, said in a news release. The district has removed about 20 percent of its well production capacity because of chromium-6 levels.

The state Water Quality Control Board is reviewing the ruling and evaluating next steps, spokesman George Kostyrko wrote in an email. The state has 60 days from the notice of the ruling to make a decision.

Chromium 6 first came into popular culture as the focus of the 2000 movie "Erin Brockovich" starring Julia Roberts about water contamination problems in the San Bernardino County desert community of Hinkley. There the issue was more complex with the chromium-6 traced to a consequence of PG&E utility operations and as a naturally-occurring mineral.

Health experts have said high concentrations of chromium 6 have been linked to skin irritation, lung damage and, in studies of inhalation by industrial workers, to cancer.

The effects of ingesting water at high levels over many years are still being studied. Agencies have said there is no immediate health risk. Banning's notice to customers says the water can be used for drinking but suggests consumers with other health issues consult their doctors.

The California Manufacturers and Technology Association sued the state water board to challenge the public health regulation, calling compliance "massively expensive" and seeking withdrawal of the standard and adoption of a level that is economically feasible.

Judge Christopher E. Krueger did just that in a ruling dated May 5. He wrote that the department must comply with the state Legislature's directive "paying particular attention to small water systems and their users," while meeting public health goals, according to the court decision.

"We don't know yet exactly what it's going to mean," said Heather Engel, spokeswoman for the Coachella Valley Water District. About half a dozen other water districts are pilottesting some alternative treatment methods that may prove "a lot cheaper for our customers," she said. Districts have until 2020 to comply with the standard.

The treatment process that Coachella Valley and Banning hope to try uses stannous chloride and is expected to be less expensive than the ion exchange method the desert agency district suspended work on last October.

In January, the Banning City Council voted to seek an almost \$3.6 million state loan for planning and design of its chromium-6 compliance project.

The city has nine of 21 wells that exceed the state standard, and two of three shared with the Beaumont-Cherry Valley Water District.

DESERT WATER AGENCY

9-B

OUTREACH & CONSERVATION ACTIVITIES

May 2017

Activities:

5/04/17 Ashley Metzger was on a live segment with KESQ on the heat wave and hydration.

5/04/17 Ashley Metzger was interviewed on the Joey English radio show.

5/05/17 Vicki Petek completed 1 turf buy back post-inspection.

5/09/17-
5/11/17 Staff and Board of Directors attended ACWA conference in Monterey, California.

5/11/17 Vicki Petek completed 1 turf buy back post-inspection.

5/12/17 Ashley Metzger was on a live segment with KESQ about school/classroom program.

5/13/17 DWA distributed materials to the Cathedral City Homebuyer Seminar.

5/18/17 Ashley Metzger was on a live segment with KESQ on earthquake preparedness.

5/19/17 Vicki Petek completed 2 turf buy back post-inspections.

5/25/17 Ashley Metzger participated in a Whitewater River safety demo and was interviewed by KESQ.

5/25/17 Ashley Metzger was on a live segment with KESQ about pool water saving tips.

5/26/17 Staff worked with CVWD on a groundwater management video.

5/26/17 DWA provided the water trailer to Cielo Vista Charter School for their annual walk-a-thon.

5/29/17 DWA provided the water trailer to the Palm Springs Air Museum for their Memorial Day celebration.

Public Information Releases/eBlasts:

May 15, 2017 – Nextdoor – DWA customers saved 15% in April.

May 22, 2017 – Media alert – Whitewater River safety

Water Conservation Reviews:

City of Cathedral City Auto Park
Canyon Vista
Diplomat
Mesquite Canyon Estates
Sundance Condos

Sunrise Oasis Condos #1
Sunrise Oasis Condos #2
Sunrise Racquet Club
Sunrise Villas
Via Isla Condos

Water Conservation Reviews are annual mailings sent to large water users. The Reviews include a 5-year consumption report, facility map, and information brochures. The purpose is to help customers save water by summarizing their consumption, and offering suggestions for reducing usage. Occasionally, after viewing, the recipient may contact DWA for assistance in the form of a Mobile Lab Evaluation.

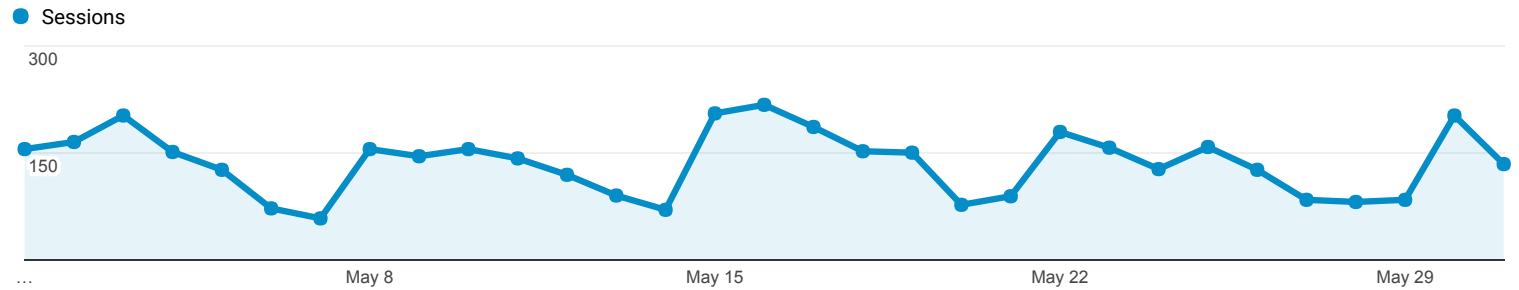


Audience Overview

May 1, 2017 - May 31, 2017

All Users
100.00% Sessions

Overview



Sessions

4,213



Users

3,248



Pageviews

9,859



Pages / Session

2.34



Avg. Session Duration

00:02:12



Bounce Rate

40.14%

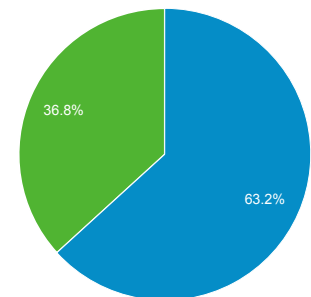


% New Sessions

63.19%



■ New Visitor ■ Returning Visitor



Language		Sessions	% Sessions
1.	en-us	3,986	94.61%
2.	en-gb	68	1.61%
3.	en-ca	34	0.81%
4.	es-419	22	0.52%
5.	(not set)	17	0.40%
6.	es-us	10	0.24%
7.	en	9	0.21%
8.	ko-kr	8	0.19%
9.	en-au	6	0.14%
10.	zh-cn	6	0.14%

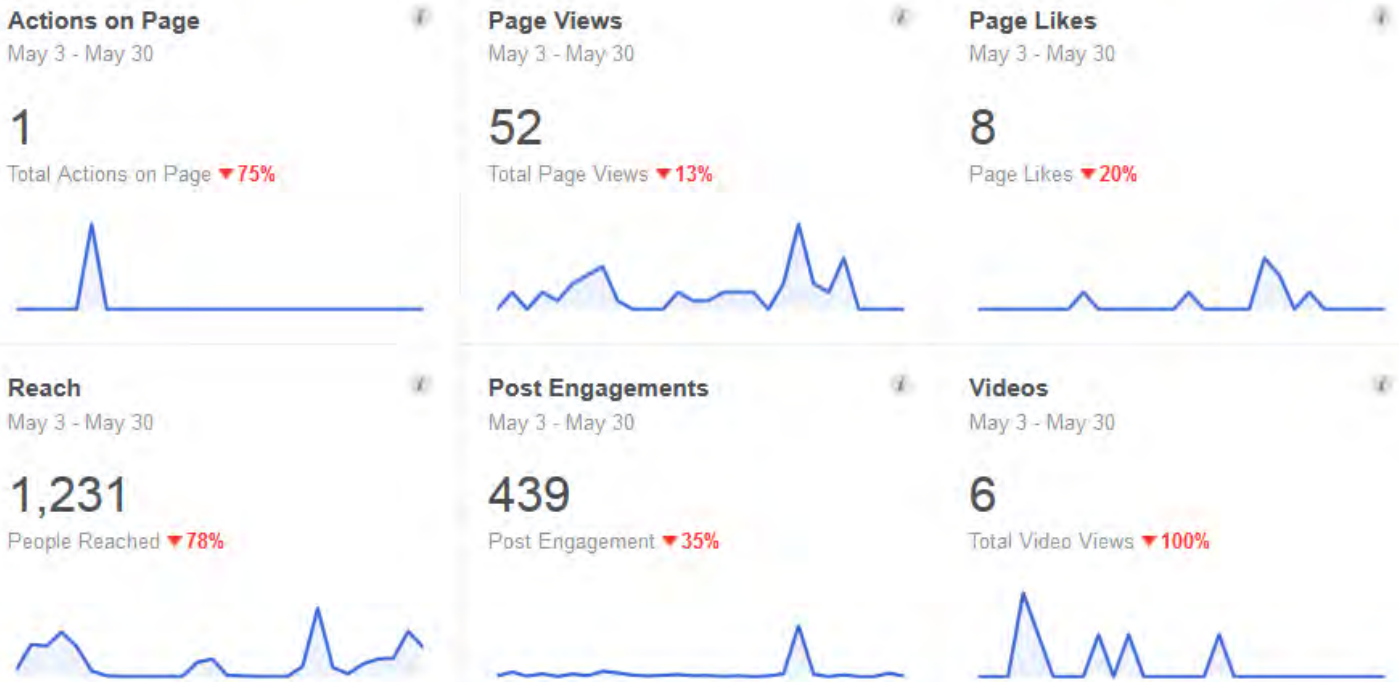


Desert Water Agency
Facebook Analytics
May 2017

Page Summary [Last 28 days](#) [Export Data](#)

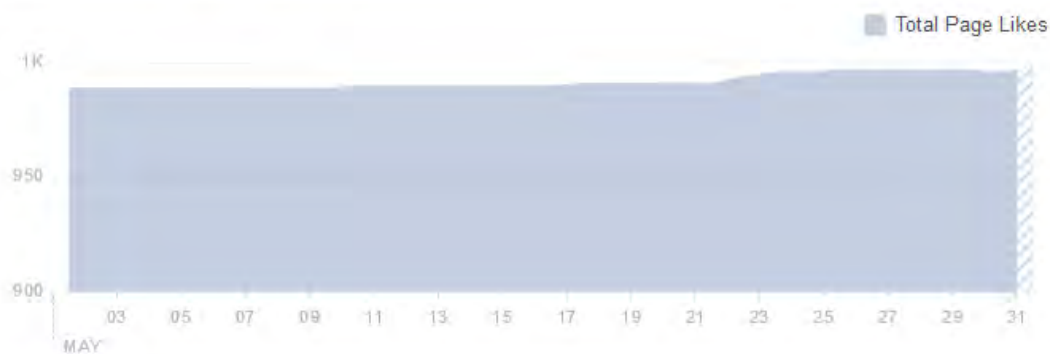
Results from **May 03, 2017 - May 30, 2017**
Note: Does not include today's data

Organic Paid



Published	Post	Type	Targeting	Reach	Engagement	Promote
05/29/2017 7:21 am	Thank you to all of those who have given the ultimate sacrifice f			412	6 12	Boost Post
05/26/2017 4:02 pm	Our office will be closed on Monday in observance of Memorial			269	2 0	Boost Post
05/23/2017 9:03 am	Our customers were a big part of this achievement.			37	0 0	Boost Post
05/15/2017 4:39 pm	The drought may be over but conservation isn't. Last month, D			184	5 8	Boost Post
05/05/2017 8:32 am	Have a fun and safe #CincoDeMayo. Stay hydrated, my friends.			434	4 9	Boost Post
05/04/2017 2:53 pm	Need to know how to adjust your sprinkler timer or smart control			396	6 7	Boost Post
05/04/2017 11:06 am	Desert Water Agency shared C V Water Counts's photo.			34	0 1	Boost Post
05/02/2017 11:35 pm	DWA is still on the lookout for water waste. Save this link to ma			105	2 5	Boost Post

Total Page Likes as of Today: 998

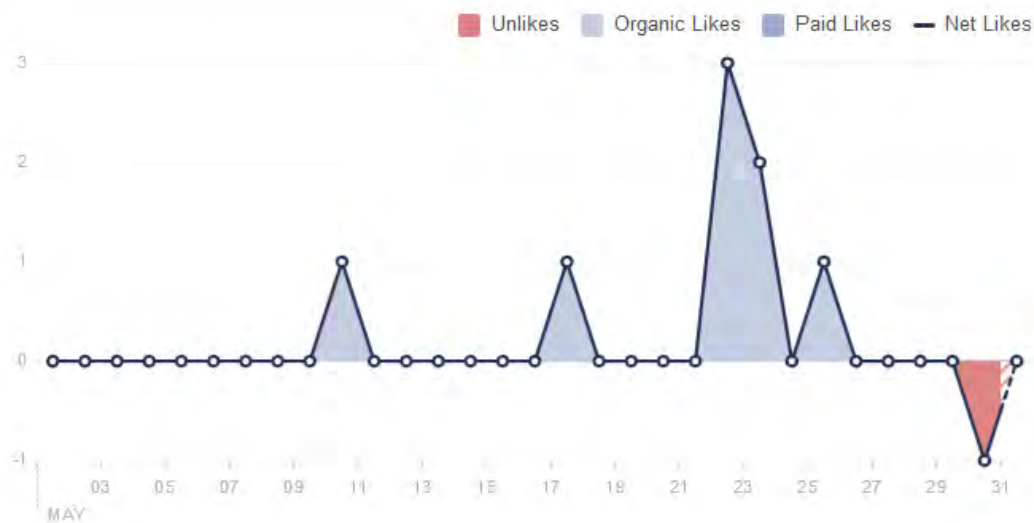


BENCHMARK
Compare your average performance over time.

Total Page Likes

Net Likes

Net likes shows the number of new likes minus the number of unlikes.



BENCHMARK
Compare your average performance over time.

Unlikes

Organic Likes

Paid Likes

Net Likes

WANT MORE LIKES?
Create an ad to get more people to like your Page.

Promote Page



DESERT WATER

TWEETS 1,129 FOLLOWING 1,511 FOLLOWERS 941 LIKES 432 MOMENTS 0

Desert Water Agency
Twitter Analytics
May 2017

28 day summary with change over previous period

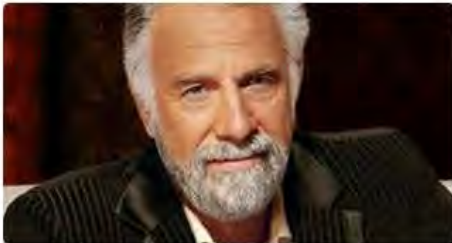


May 2017 • 30 days so far...

TWEET HIGHLIGHTS

Top Tweet earned 615 impressions

Have a safe and fun [#CincoDeMayo](#). Stay hydrated, my friends!
pic.twitter.com/KOZ2UF7FxP



2 4

View Tweet activity

View all Tweet activity

Top media Tweet earned 214 impressions

Need a how-to on adjusting your sprinkler timer or smart controller? Try a YouTube search with the make and model for a how-to. pic.twitter.com/dbdicbDpBn



1

View Tweet activity

View all Tweet activity

ADVERTISE ON TWITTER

Get your Tweets in front of more people

Promoted Tweets and content open up your reach on Twitter to more people.

Get started

MAY 2017 SUMMARY

Tweets	5	Tweet impressions	6,062
Profile visits	115	New followers	9

Top Follower followed by 1,386 people



RivCO animalSERVICES

@helpinRIVcoPETS [FOLLOWS YOU](#)

Working to improve Riverside County (Calif.) for people and pets. Our shelter locations: Blythe, Jurupa Valley, San Jacinto, & Thousand Palms. PLEASE ADOPT!

View profile

View followers dashboard