

**SAN JUAN WATER DISTRICT  
BOARD MEETING AGENDA  
March 28, 2018  
6:00 p.m.  
9935 Auburn Folsom Road  
Granite Bay, CA 95746**

The Board may take action on any item on the agenda, including items listed on the agenda as information items. The Board may add an item to the agenda (1) upon a determination by at least three Board members that an emergency situation exists, or (2) upon a determination by at least four Board members (or by three Board members if there are only three Board members present) that the need to take action became apparent after the agenda was posted.

The public may address the Board concerning an agenda item either before or during the Board's consideration of that agenda item. Public comment on items within the jurisdiction of the Board is welcome, subject to reasonable time limitations for each speaker. Upon request, agenda items may be moved up to accommodate those in attendance wishing to address that item. Please inform the General Manager.

Documents and materials that are related to an open session agenda item that are provided to the District Board less than 72 hours prior to a regular meeting will be made available for public inspection and copying at the District office during normal District business hours.

In compliance with the American's with Disabilities Act, if you have a disability and need a disability-related modification or accommodation to participate in this meeting, please contact the Board Secretary at 916-791-0115. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

***Please silence cell phones and refrain from side conversations during the meeting.***

**I. ROLL CALL**

**II. PRESENTATION**

1. ACWA JPIA Refund Presentation - David deBernardi, Director of Finance

**III. PUBLIC FORUM**

During the Public Forum, the Board may briefly respond to statements made or questions posed by the public, or ask District staff for clarification, refer the matter to District staff or ask District staff to report back at a future meeting. The Board will not take action on any matter raised during the Public Forum, unless the Board first makes the determinations to add the matter to the agenda.

**IV. CONSENT CALENDAR**

All items under the Consent Calendar are considered to be routine and will be approved by one motion. There will be no separate discussion of these items unless a member of the Board, Audience, or Staff request a specific item removed after the motion to approve the Consent Calendar.

1. Minutes of the Board of Directors Meeting, February 28, 2018 (W & R)

*Recommendation: Approve draft minutes*

2. Granite Bay Booster Pump Station Contract (R)

*Recommendation: Approve entering into an agreement amendment with HDR Engineering, Incorporated for the Phase II design of the UGB and LGB Booster Pump Station improvements for a not-to-exceed amount of \$64,286.00 with a total authorized design budget of \$70,715 which includes a 10% contingency*

## V. OLD BUSINESS

1. Strategic Plan (W & R)  
**Action: Consider motion to approve the Strategic Plan**
2. 2018 Water Transfers (W & R)  
*Discussion*
3. Update on Potential Merger with SSWD (W & R)  
*Discussion*

## VI. NEW BUSINESS

1. FY 2017-18 Mid-year Budget Review (W & R)  
*Information*
2. Appoint SGA Representatives (W & R)  
**Action: Consider motion to confirm appointment of Pam Tobin as Representative and Marty Hanneman as Alternate Representative to the SGA Board of Directors, for submittal to Sacramento County Board of Supervisors for ratification.**
3. Facilities Plan Update (W & R)  
*Discussion*

## VII. INFORMATION ITEMS

1. General Manager's Report
  - 1.1 General Manager's Monthly Report (W & R)  
*Staff Report on District Operations*
  - 1.2 First Break All the Rules (W & R)  
*Update on staff survey*
  - 1.3 Miscellaneous District Issues and Correspondence
2. Director of Finance's Report
  - 2.1 Miscellaneous District Issues and Correspondence
3. Operation Manager's Report
  - 3.1 Miscellaneous District Issues and Correspondence
4. Legal Counsel's Report
  - 4.1 Legal Matters

## VIII. DIRECTORS' REPORTS

1. SGA
2. RWA
3. ACWA
  - 3.1 Local Government/Federal Affairs/Region 4 - Pam Tobin
  - 3.2 JPIA – Pam Tobin
  - 3.3 Energy Committee - Ted Costa

4. CVP Water Users Association
5. Other Reports, Correspondence, and Comments

**IX. COMMITTEE MEETINGS**

1. Engineering Committee – March 8, 2018
2. Finance Committee – March 27, 2018

**X. UPCOMING EVENTS**

1. 2018 Cap To Cap – Metro Chamber  
April 14-18, 2018  
Washington DC

**President Hanneman to call for Closed Session**

**XI. CLOSED SESSION**

1. Conference with legal counsel--anticipated litigation; Government Code sections 54954.5(c) and 54956.9(b); significant exposure to litigation involving state and federal administrative proceedings and programs affecting District water rights

**XII. OPEN SESSION**

Report from Closed Session

**XIII. ADJOURN**

**UPCOMING MEETING DATES**

April 25, 2018

May 23, 2018

I declare under penalty of perjury that the foregoing agenda for the March 28, 2018 regular meeting of the Board of Directors of San Juan Water District was posted by March 23, 2018, on the outdoor bulletin boards at the District Office Building, 9935 Auburn Folsom Road, Granite Bay, California, and was freely accessible to the public.

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Teri Grant, Board Secretary

## **SAN JUAN WATER DISTRICT**

Board of Director's Meeting Minutes  
February 28, 2018 – 6:00 p.m.

### **BOARD OF DIRECTORS**

Marty Hanneman	President
Dan Rich	Vice President
Ted Costa	Director
Ken Miller	Director
Pam Tobin	Director (Absent)

### **SAN JUAN WATER DISTRICT MANAGEMENT AND STAFF**

Paul Helliker	General Manager
Donna Silva	Director of Finance
Tony Barela	Operations Manager
Lisa Brown	Customer Service Manager
Greg Turner	WTP Superintendent
Rob Watson	Engineering Services Manager
Andrew Pierson	Associate Engineer
Teri Grant	Board Secretary/Administrative Assistant
Joshua Horowitz	Legal Counsel
Ryan Bezerra	Legal Counsel

### **OTHER ATTENDEES**

Dan York	Sacramento Suburban Water District
John Woodling	Regional Water Authority

### **AGENDA ITEMS**

- I. Roll Call**
- II. Public Forum**
- III. Consent Calendar**
- IV. Old Business**
- V. New Business**
- VI. Information Items**
- VII. Directors' Reports**
- VIII. Committee Meetings**
- IX. Upcoming Events**
- X. Closed Session**
- XI. Open Session**
- XII. Adjourn**

President Hanneman called the meeting to order at 6:00p.m.

#### **I. ROLL CALL**

The Board Secretary took a roll call of the Board. The following directors were present: Ted Costa, Marty Hanneman, Ken Miller and Dan Rich. Director Pam Tobin was absent.



## II. PUBLIC FORUM

Mr. John Woodling, RWA Executive Director, addressed the Board and reported that the RWA Executive Committee met last week and the RWA Board will be meeting next week where they will be considering a 4% increase in membership dues. He explained that RWA will be moving the Lobbyist Subscription Program (LSP) to a core program in the budget which will be paid for by the entire membership and not just the 13 agencies that are currently covering the costs. He explained that the LSP cost of \$9,000 per agency will be removed and the LSP cost will be allocated in the budget to the full RWA membership based on connections. The cost of membership for the District will be increased approximately \$3,000; however, the District will no longer have to pay the \$9,000 LSP cost resulting in a \$6,000 savings to the District.

Director Costa thanked Mr. Woodling for the work that RWA accomplishes and urged RWA to consider sponsoring a region-wide assessment on groundwater. In response to Director Miller's question, Mr. Woodling said that the formation of the original seven-agency advocacy group came about after the 2009 legislation and transitioned into the RWA subscription program in 2014 after RWA policy was changed to allow a two-thirds vote of the membership on any action, such as taking a position on a bill. Mr. Helliker commented that he will be attending the RWA Board meeting and will support the change.

Vice President Rich requested that Mr. Woodling return to a future Board meeting to give a presentation on future groundwater basin modeling and groundwater banking. Mr. Woodling will work with Mr. Helliker to schedule a time for RWA/SGA to conduct a presentation to the Board.

## III. CONSENT CALENDAR

All items under the consent calendar are considered to be routine and are approved by one motion. There will be no separate discussion of these items unless a member of the Board, audience, or staff request a specific item removed after the motion to approve the Consent Calendar.

**1. Minutes of the Board of Directors Meeting, January 24, 2018 (W & R)**

*Recommendation: Approve draft minutes*

**2. SMUD SolarShares Program Agreement (R)**

*Recommendation: Approve SMUD SolarShares Program Agreement*

**3. WaterSmart Grant Application (W & R)**

*Recommendation: Adopt Resolution 18-02 Authorizing Application for Funding Assistance through the Bureau of Reclamation's WaterSmart Drought Response Program*

**4. Treasurers Report - Quarter Ending December 31, 2017 (W & R)**

*Recommendation: Receive & File*

**5. Annual Investment Policy Review (W & R)**

*Recommendation: Approve updates to the San Juan Water District Investment Policy*

President Hanneman removed Consent Calendar item 5 for discussion.

***Director Costa moved to approve Consent Calendar items 1-4. Vice President Rich seconded the motion and it carried with 4 Aye votes (Tobin absent).***

Mr. Helliker informed the Board that the Investment Policy is reviewed annually with the Finance Committee and they made some changes to the policy that were not included in the Board packet. Ms. Silva explained that there were three proposed changes to the Investment Policy at the recommendation of PFM Asset Management, the District's investment advisors.

Ms. Silva informed the Board that to ensure the District's investments are as permissive as the Government Code allows, staff suggested that additional language be added to section 7.1 Investment Types. The suggested language regards repurchase and reverse repurchase agreements; however, she explained that this type of investment would probably never be used. Therefore, at the Finance Committee's request, that section should be removed from the proposed changes that were included in the Board packet.

Ms. Silva informed the Board that the Finance Committee requested that section 8.4 Investment Pools be clarified. Therefore, Ms. Silva contacted PFM and is suggesting the following language for that section:

*A thorough investigation of the pool/fund is required prior to investing. At a minimum that review should consist of the following:*

- *a determination of the eligible investment securities;*
- *a determination of the allowable size of deposits and withdrawals;*
- *the frequency with which deposits and withdrawals can be made;*
- *the process and timeline for withdrawals;*
- *a review of the fee schedule.*

*The Finance Director shall monitor the pool to ensure he/she is aware of any changes made to the pool in the above categories.*

Ms. Silva informed the Board that the third change to the policy was adding section 8.5 Review of Investment Portfolio, which the Finance Committee reviewed and made no changes to.

***President Hanneman moved to approve the recommended changes to the Investment Policy. Director Miller seconded the motion and it carried with 4 Aye votes (Tobin absent).***

## **IV. OLD BUSINESS**

### **1. Meter Replacement Program Planning Study (R)**

Mr. Helliker reported that a program was started to evaluate the District's meters and staff has discussed coordination of the program with other agencies. Mr. Barela conducted a presentation on the Meter Replacement Program Planning Study. A copy of the presentation will be attached to the meeting minutes.

Mr. Barela reviewed the government code regarding meter service and explained that the official meter installation program started in 1997 and completed in 2004. He reviewed the District's meter inventory and reviewed some testing statistics. He explained that the typical meter life is from 15 to 20 years. Therefore, the District is beginning the process of planning replacement of its meter fleet. In doing so, staff has been meeting with other water agencies in an effort to collaborate on the program and obtain an economy of scale. Mr. Helliker explained that Citrus Heights Water District and San Juan are participating fully in the study while Fair Oaks Water District, Orange Vale Water Company and Sacramento Suburban Water District (SSWD) are participating at a reduced level.

Mr. Barela informed the Board that there will be several phases to the study as follows:

- Phase 1 – Individual Agency Assessment
- Phase 2 – Next Generation Program Options
  - Technology Review (AMI, AMR, Satellite, Cellular, etc.)
  - Purchase Start-Up & Ongoing Maintenance Costs
  - Meter Reading Platform & Data Management/Analytics
  - Customer Service Support
  - Identify Preferred Alternative
- Phase 3 – Implementation Strategy
  - Agency Independently
  - Wholesale Consortium
- Phase 4 – Long Term Planning
  - Operational Plan for Future Replacements
- Phase 5 - Final Report/Plan Adoption

Mr. Barela informed the Board that once the participants are finalized, the Cost Share Agreement for the study will be completed and the RFP will be issued. Mr. Helliker commented that once it is determined as to what meters will be replaced and the schedule, decisions will need to be made on subjects such as using debt financing or pay as you go to fund the project. Mr. Helliker informed the Board that funding for the full meter replacement program was not included in the 5-year financial plan, so the consultant will need to let the District know if the meter replacement program can wait until it is included in the next 5-year financial plan.

### **2. Treatment Plant Upgrade Project (W)**

Mr. Helliker reported that the WTP Floc/Sed Improvements Project was just completed. Mr. Rob Watson and Mr. Andrew Pierson conducted a presentation.

A copy of the presentation will be attached to the meeting minutes. Mr. Watson provided an overview of the project and showed the updates that were completed on the flocculators, flocculator drives, baffle walls, sludge collection equipment, north settled water channel addition and overflow improvements, settled water channel improvements, and electrical and instrumentation improvements.

Mr. Pierson informed the Board that there were issues with the flocculators during testing. He explained that the system was not working properly and that there was an error in calculations by the vendor, who ultimately took responsibility and made the corrections to the calculations. Staff insisted that the motors and gearboxes, which were oversized for the plant, be replaced with the correct size. Therefore, the project was placed on hold over the summer months in 2017 to allow the plant to have both basins in operation during peak demand months.

Mr. Pierson reported that construction was restarted in October 2017 and was completed on January 26, 2018. In addition, he reported that the project came in under budget by approximately \$530,000 with less than 1.5% in change orders. He further informed the Board that a change order was executed to reimburse the District for all additional engineering, construction management, and inspection costs as a result of the calculation error.

Director Costa voiced concern that the Board was not informed of the issues regarding the project. He commented that he spoke with Mr. Helliker regarding the project and was informed that it was an issue with the motors but was not informed of the magnitude of the situation. He would like issues such as this brought to the Engineering Committee in the future. Mr. Helliker will make sure that the Board and/or committee is informed when there are issues on projects. President Hanneman commended staff for their work on this project and keeping the project under budget.

### **3. Board Compensation & Expense Reimbursement Policy (W & R)**

Mr. Helliker provided a written staff report which will be attached to the meeting minutes. He explained that Board policy 2300 and 2500 needed some revisions, which the Personnel Committee reviewed and approved, and the two policies were combined into one policy. He explained that the policy revisions further clarify what Board members receive reimbursement for and the travel policy was revised to remove the types of meetings that the Board members would be expected to attend.

Ms. Silva informed the Board that there is one more change that needs to be made under items G and H which would further clarify that section. She suggested changing section G and H to read:

*Meals will be reimbursed for actual expenses (receipts required) or at the per diem rate approved for the applicable city under the IRS accountable plan (no receipts needed).*

In response to Director Miller's question, Mr. Helliker explained that out of state events will not need Board approval; however, the Board should be informed of attendance at out of state events in advance. Mr. Helliker informed the Board that he would announce any out of state events during the General Manager's Report. Ms. Silva explained that the Board budget for meetings is provided in the General Manager's monthly report and the two meetings to Washington DC are budgeted for each year.

***Director Miller moved to approve revisions to Board Policies 2300 and 2500. President Hanneman seconded the motion and it carried with 4 Aye votes (Tobin absent).***

#### **4. SSWD Merger Discussions (W & R)**

Mr. Helliker provided the Board with a staff report which will be attached to the meeting minutes. He explained that Director Costa requested that the Board discuss sending a letter to SSWD regarding the status of merger planning. The Board discussed the request and directed the General Manager send a letter requesting the status of SSWD's position on the merger. Mr. Dan York, SSWD General Manager, commented that if the Board wants the SSWD Board to review a letter, then it would need to be received by March 9<sup>th</sup> in order to get on the March SSWD Board agenda.

## **V. NEW BUSINESS**

### **1. 2018 Water Bonds (W & R)**

Mr. Helliker provided the Board with a written staff report which will be attached to the meeting minutes. He explained that Prop. 68 language includes \$200 million to implement voluntary settlement agreements for the water quality control plan, which the Board will discuss in Closed Session. In addition, there is \$290 million for conjunctive use, which the District is interested in. He recommends supporting the bond measure.

President Hanneman commented that there seems to be a lot of water bond money that has been approved by the voters over the last 20-30 years, but he is unsure of the status of those bonds and whether or not the funding has been used. Mr. Helliker commented that Prop. 1 was the most recent one passed which included funding for storage projects and one caveat of the proposition was that there was specific language that the bond funds could not be distributed until after the water commission established regulations by a certain timeframe. Director Costa voiced concern that there is a water bond every two years and this region sees very little, if any, funding from the bonds.

***President Hanneman moved to adopt Resolution 18-03 in support of Prop. 68 concerning the 2018 Water Bonds. Director Rich seconded the motion and it carried with 3 Aye votes and 1 No vote (Costa with Director Tobin absent).***

**2. 2x2 Ad Hoc Committee with PCWA (W & R)**

Mr. Helliker provided the Board with a written staff report which will be attached to the meeting minutes. He explained that Placer County Water Agency (PCWA) would like to set up a 2x2 Committee; however, because of the way that PCWA structures the committee, the committee would be considered a standing committee which is subject to the Brown Act and not an ad hoc committee. The Board discussed the potential committee and need to meet with PCWA. President Hanneman appointed Directors Ken Miller and Pam Tobin to the committee with Director Ted Costa as the alternate member.

**3. CSDA Board of Directors Call for Nominations Seat A (W & R)**

Mr. Helliker informed the Board that the CSDA Board of Directors is calling for nominations for Seat A. The Board discussed the topic and there were no nominations presented.

**VI. INFORMATION ITEMS**

**1. GENERAL MANAGER'S REPORT**

**1.1 General Manager's Monthly Report (W & R)**

Mr. Helliker provided the Board with written reports for January which will be attached to the meeting minutes.

**1.2 Miscellaneous District Issues and Correspondence**

Mr. Helliker reported that reservoir levels in California are at or above historic average and precipitation is 57% of average. He reviewed the snow pack data and projected temperature and precipitation for the next three months.

Mr. Helliker reported that phase two of the California WaterFix began last week and Mr. Bezerra has been participating in the hearings. Mr. Bezerra commented that part two of the hearings is on environmental issues presented by a full two-tunnel project. Mr. Bezerra commented that they may present a one-tunnel project later. Mr. Helliker commented that a lawsuit was just filed by County of Sacramento and all the Delta counties against the State Water Board regarding secret deliberations between State Water Board staff and DWR staff.

Mr. Helliker reported that RWA has been working with the authors on the water conservation legislation and there are amendments proposed. He reported that a budget trailer bill was proposed on the water tax legislation which will require a two-thirds vote and most likely will not pass.

Mr. Helliker informed the Board that the Engineering Committee will be meeting in March to review the Granite Bay Booster Pump Station contract and the Facilities Plan. The strategic plan will be on the March Board meeting agenda.

## **2. DIRECTOR OF FINANCE'S REPORT**

### **2.1 Miscellaneous District Issues and Correspondence**

Ms. Silva reported that she received communications from CalPERS that they completed their experience study which looks at the asset allocation mix in their investment portfolio. She explained that CalPERS decided to keep the discount rate moving towards 7% as planned with no changes. In addition, CalPERS made several changes to their assumptions, such as increasing the mortality rate as people are living longer, updating the retirement rate service, disability retirement, salary scale and inflation. The assumption changes will be implemented with the June 30, 2017, actuarial valuation which affects the District's rates starting July 1, 2019. She explained that she will find out the effect of the changes when she meets with the actuary.

## **3. OPERATION MANAGER'S REPORT**

### **3.1 Miscellaneous District Issues and Correspondence**

No report.

## **4. LEGAL COUNSEL'S REPORT**

### **4.1 Legal Matters**

Mr. Horowitz reported that there would be a Closed Session regarding Bay-Delta matters.

## **VII. DIRECTORS' REPORTS**

### **1. SGA**

A written report was provided to the Board and will be attached to the meeting minutes.

### **2. RWA**

A written report was provided to the Board and will be attached to the meeting minutes.

### **3. ACWA**

#### **3.1 Local/Federal Government/Region 4 - Pam Tobin**

A written report was provided to the Board and will be attached to the meeting minutes.

#### **3.2 JPIA - Pam Tobin**

A written report was provided to the Board and will be attached to the meeting minutes.

#### **3.3 Energy Committee - Ted Costa**

No report.

#### **4. CVP WATER USERS ASSOCIATION**

No report.

#### **5. OTHER REPORTS, CORRESPONDENCE AND COMMENTS**

Mr. Helliker reminded the Board that San Juan is the presenting sponsor at the March 15<sup>th</sup> RWA Symposium on Making Safe, Clean, Affordable and Accessible Water a Reality. He commented that Vice President Rich will make some brief remarks to the participants prior to Sacramento Mayor Darrell Steinberg taking the podium. Mr. Helliker informed the Board that the 2018 ACWA Legislative Symposium is March 14<sup>th</sup> and Director Tobin will be attending the event. Director Costa requested that the Board Secretary register him for the event as well.

### **VIII. COMMITTEE MEETINGS**

#### **1. Personnel Committee – January 25, 2018**

The committee meeting minutes will be attached to the original board minutes.

#### **2. Public Information Committee – January 29, 2018**

The committee meeting minutes will be attached to the original board minutes.

#### **3. Personnel Committee – February 14, 2018**

The committee meeting minutes will be attached to the original board minutes. Director Costa reminded staff that the committee would like to see information on the number of people who pay their water bills at the District office.

#### **4. Finance Committee – February 27, 2018**

Director Miller reported that the committee approved the General Manager's expenses and reimbursements, and reviewed the January check report and found them to be in order. He reported that a budget workshop will be scheduled in the near future. The committee meeting minutes will be attached to the original board minutes.

### **IX. UPCOMING EVENTS**

1. 2018 ACWA Legislative Symposium  
March 14, 2018  
Sacramento, CA
2. 2018 Cap To Cap – Metro Chamber  
April 14-18, 2018  
Washington DC

**President Hanneman called for Closed Session at 7:43 pm.**



**CLOSED SESSION**

1. Conference with legal counsel--anticipated litigation; Government Code sections 54954.5(c) and 54956.9(b); significant exposure to litigation involving state and federal administrative proceedings and programs affecting District water rights

**OPEN SESSION**

There was no reportable action from the closed session.

**X. ADJOURN**

The meeting was adjourned at 8:28 p.m.

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MARTIN HANNEMAN, President  
Board of Directors  
San Juan Water District

ATTEST:

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TERI GRANT, Board Secretary

The meeting minute attachments are located under Meeting Minutes – *Draft* on the webpage.



January 18, 2018

Mr. Rob Watson, PE  
Engineering Services Manager  
San Juan Water District  
9935 Auburn Folsom Road  
Granite Bay, CA 95746

**RE: Amendment No. 1 to HDR's Proposal for Lower Granite Bay and Upper Granite Bay Booster Pump Stations - Low Flow Pump Upgrade Phase 1**

Dear Mr. Watson:

HDR is pleased to submit this amendment for final engineering design services for low flow "jockey" pumps at the Lower Granite Bay Booster Pump Station and Upper Granite Bay Booster Pump Station. Due to water conservation measures in the District, the pumping stations are oversized for the current demands. Low flow pumps would help to meet the reduced demand conditions within the District.

## Scope of Work

### Task 1 – Amendment No. 1

#### Final Design of Low Flow Pump Installation

HDR will continue the design for installation of a low flow pump at both Lower Granite Bay Pump Station and Upper Granite Bay Pump Station. Design will continue past the 50% level. HDR will prepare 90% and 100% signed and stamped documents ready for construction. Drawings will be prepared in the latest edition of AutoCAD. Specifications will be prepared in 16-digit format in Microsoft Word to conform to the design of the previous facilities. Technical specifications will be prepared as required; as appropriate, specification information will be shown on the design drawings.

#### Design of Actuator on Existing Butterfly Valve

HDR will provide design drawings and specifications for installation of a motorized actuator on the existing butterfly valve that is located between the Lower Granite Bay Pump Station and Hinkle Pump Station. The design will include:

- A motorized actuator to District standards (not manufactured by Limitorque).

- Concrete manway access, including a hatch for H2O loading.
- A sump pump and piping to discharge from the manway to adjacent drainage system.
- Programming modifications for operation of new motorized valve.

**Deliverables:** 90% Design (electronic pdf) and 100% Design (electronic pdf).

**Assumptions:** District to complete the front end documents for bidding. Construction documents will be issued as a single package.

Table 1 shows the estimated sheet list:

<b>Table 1 – Preliminary List of Drawings</b>	
<b>Sheet No.</b>	<b>Sheet Name</b>
G01	Cover Sheet, Sheet Index, Vicinity Map
G02	General Symbols and Abbreviations
C01	Lower Granite Bay Pump Station Site Plan
C02	Valve Manway Plan and Details
P01	Lower Granite Bay Pump Station Plan and Section
P02	Upper Granite Bay Pump Station Plan and Section
P03	Process Details
E01	Electrical Abbreviations and Symbols
E02	Single Line Diagram Lower Granite Bay
E02	Single Line Diagram Upper Granite Bay
E03	Enlarged Power and Control Plan Lower Granite Bay
E03	Enlarged Power and Control Plan Upper Granite Bay
E04	Control Diagrams
E05	Electrical Details
I01	Instrumentation Abbreviations and Symbols
I02	Lower Granite Bay Pump Station P&ID
I03	Upper Granite Bay Pump Station P&ID

Mr. Rob Watson, PE  
January 18, 2018  
Page 3

## Fee Estimate

HDR proposes to complete this work per the attached fee and rate schedule.

## Schedule

Our budget assumes the scope of work described above will be performed in 2018.

We appreciate the opportunity to continue to work with the District. If you have any questions or concerns, please contact Mason Beck at (916) 817-4827 or [Mason.Beck@hdrinc.com](mailto:Mason.Beck@hdrinc.com).

Sincerely,  
HDR ENGINEERING, INC.,



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Holly L.L. Kennedy, PE  
Senior Vice President



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Mason W. Beck, PE  
Project Manager

MWB:pk/17-10066440

Accepted:  
SAN JUAN WATER DISTRICT

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Date Signed:

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**Table 1 - Estimated Work Effort and Cost**

San Juan Water District

*Lower Granite Bay and Upper Granite Bay Booster Pump Stations - Low Flow Pump Upgrade Phase 1*

Task No.	Task Description	QA/QC	Project Mgr-Eng	Staff Engineer	Electrical Engineer	Structural Engineer	CAD Tech	Admin	Total HDR Labor Hours	Total HDR Labor (\$)	Total HDR Expenses (\$)	Total Cost (\$)
1	Amendment No. 1	8	32	66	135	28	132	34	435	\$62,786	\$ 1,500	\$ 64,286
<b>COLUMN TOTALS</b>		<b>8</b>	<b>32</b>	<b>66</b>	<b>135</b>	<b>28</b>	<b>132</b>	<b>34</b>	<b>435</b>	<b>\$62,786</b>	<b>\$1,500</b>	<b>\$64,286</b>

**HDR ENGINEERING, INC.**

**RATE SCHEDULE**

**January to December 2018**

**San Juan Water District**

***Lower Granite Bay and Upper Granite Bay Booster Pump Station -***

***Low Flow Pump Upgrade Phase 1***

QA/QC	\$260 to \$300
Project Manager/Engineer	\$185 to \$240
Sr. Electrical Engineer	\$180 to \$240
Staff Electrical Engineer	\$100 to \$150
Sr. Structural Engineer	\$225 to \$300
Structural Engineer	\$160 to \$225
Staff Engineer	\$110 to \$150
Project Coordinator/Administration	\$90 to \$150
CAD Technician	\$100 to \$150

*Rates are subject to change after December 31, 2018. The billing rates cover payroll cost, employee benefits, and HDR overhead and profit. The ranges of hourly billing rates shown are intended to illustrate typical rates for each billing category.*

**EXPENSES**

**In-House Expenses**

Vehicle Mileage (per mile)	Current Federal Travel Regulation (FTR)
Black/White Photocopies (per copy)	\$0.05 to \$0.09
Color Copy (per copy)	\$0.15 to \$0.30
Bond Plotting - Black & White (per square foot)	\$0.15
Bond Plotting - Color (per square foot)	\$0.90

## STAFF REPORT

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To: Board of Directors  
From: Paul Helliker, General Manager  
Date: March 28, 2018  
Subject: District Strategic Plan

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### RECOMMENDED ACTION

Discussion and possible approval of the strategic plan

### BACKGROUND

Last year, the District launched a formal strategic planning process, and brought Ellen Cross, Strategy Driver, Inc. under contract to facilitate the development of the plan. Ellen interviewed each of the Directors and met with the District's management team on multiple occasions to review and update components of the plan and prepare a draft. On October 5, 2017, we held a Board workshop on the plan, which was also attended by some of our wholesale customer agency managers. At that workshop, the Board approved the revised mission and vision statements, and developed and approved goals for the District. The Board also reviewed input from themselves and management on potential objectives, and brainstormed a list of items for further refinement as objectives. The Board reviewed core values and provided direction for a final list of values.

At the January 24, 2018 Board meeting, the Board reviewed the core values and the strategic objectives, and discussed some example performance metrics. Since that meeting, staff have developed a final draft of the strategic plan, with performance metrics for each of the sets of goals and objectives.

With final approval of the strategic plan by the Board, staff will proceed to develop an operational plan for 2018-19, which will include specific tasks and projects to be completed during that fiscal year, which will relate to each of the goals and objectives in the strategic plan. This plan will be presented in conjunction with the proposed budget for 2018-19.





# STRATEGIC PLAN

2018-2022



**SAN JUAN WATER DISTRICT**

Granite Bay, California

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# FOREWORD

Welcome to the San Juan Water District's Strategic Plan. With its 150+ year history and now more than 60 years of operation as San Juan Water District, the District continues to provide reliable water supply for communities in Sacramento and Placer Counties. Meeting the needs of our customers for reliable, high quality water supplies in an ever-changing regulatory and hydrologic environment can be challenging and requires thoughtful planning, as elucidated in this Strategic Plan.

Our mission, vision and values are the foundation for our operations and articulate our dedication to high quality service and environmental protection. The Strategic Plan encompasses these elements and outlines the goals and objectives that we will pursue to meet our mission and achieve our vision. The Plan incorporates the principles of fiscal responsibility, customer service and operational excellence.

This plan is our roadmap for the next two to five years, and will guide our decisions on annual budgets and operating plans. The Board of Directors and District management and staff will implement these plans to ensure efficient and effective operations that meet our commitment to our retail and wholesale customers, and our goal of protecting our water rights and supplies for years to come.



Martin Hanneman  
President, Board of Directors



Paul Helliker  
General Manager

# STRATEGIC PLAN PARTICIPANTS

Ted Costa, SJWD Director  
Marty Hanneman, SJWD Director  
Ken Miller, SJWD Director  
Dan Rich, SJWD Director  
Pam Tobin, SJWD Director  
Paul Helliker, SJWD General Manager  
Donna Silva, SJWD Finance Director  
Tony Barela, SJWD Operations Manager  
Rob Watson, SJWD Engineering Services Manager  
Lisa Brown, SJWD Customer Service Manager  
George Machado, SJWD Field Services Manager  
Greg Turner, SJWD Water Treatment Plant Superintendent  
Greg Zlotnick, SJWD Water Resources Manager  
Chris von Collenberg, SJWD IT Manager  
Teri Grant, SJWD Board Secretary/Administrative Assistant  
Marcus Yasutake, City of Folsom  
Tom Gray, Fair Oaks Water District  
Sharon Wilcox, Orange Vale Water Company  
Joe Duran, Orange Vale Water Company  
John Wingerter, Orange Vale Water Company  
Dan York, Sacramento Suburban Water District  
Einar Maisch, Placer County Water Agency  
Tom Gohring, Water Forum  
Ellen Cross, Strategy Driver, Inc., Facilitator



## MISSION STATEMENT

Our mission is to ensure the delivery of a reliable water supply of the highest quality at the lowest reasonable price.



## VISION STATEMENT

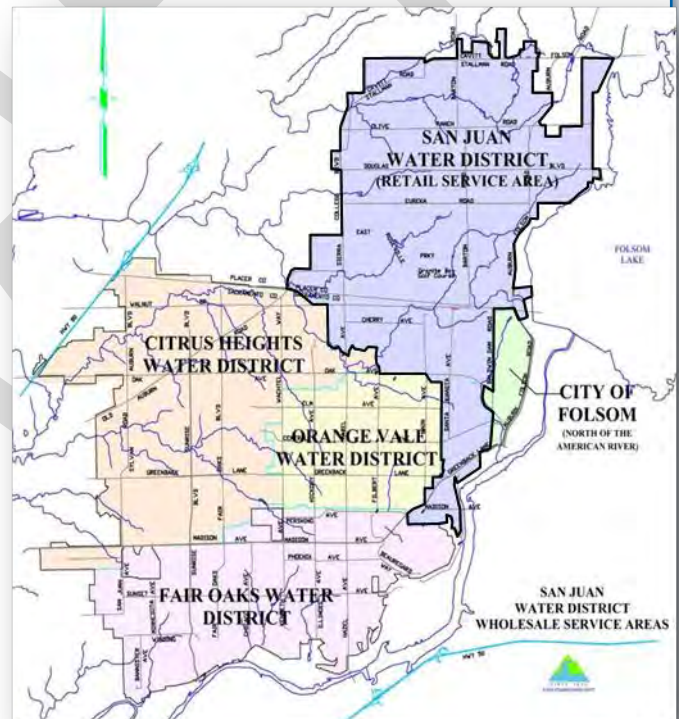
To be a recognized industry leader in the treatment and distribution of a reliable supply of safe and clean drinking water, while protecting and retaining the District's water rights and supply.

## DISTRICT OVERVIEW

The San Juan Water District (District) began as the North Fork Ditch Company, which started providing water to the area in 1854. The San Juan Water District, as it exists today, was formed as the result of petitions being presented to the Board of Supervisors of Sacramento and Placer Counties by Citrus Heights Water District, Fair Oaks Water District, Orange Vale Water Company and a group of homeowners in South Placer County. An election was then held within the boundaries of the sponsoring petitioners on February 10, 1954. At this election, voters approved the formation of the San Juan Water District by nearly a two-thirds majority and elected five Directors. The District is a community services district formed under Section 60000 et seq., Title 5, Division 3 of the California Government Code.

The District provides both wholesale and retail water service. The wholesale area (which includes the District's 17 square mile retail area) covers approximately 46 square miles in northeastern Sacramento and southeastern Placer Counties. The District wholesales water to San Juan Retail, Citrus Heights and Fair Oaks water districts, Orange Vale Water Company, and to the City of Folsom for its customers north of the American River. The District serves a population of approximately 151,000 within its wholesale service area.

The District's existing water supply consists of three separate raw water contracts. The first source of water is a settlement contract with the U.S. Bureau of Reclamation (Reclamation) that provides, in perpetuity, for the delivery of 33,000 acre-feet of water from the American River based upon the District's water rights, which date from 1853 and 1928. The second source is a long-term contract with Reclamation for 24,200 acre-feet of Central Valley Project water that expires February 28, 2045, but which can be renewed. The third source is a contract with Placer County Water Agency for up to 25,000 acre-feet of water. All sources of surface water are either stored or flow through Folsom Lake and delivery is taken at Folsom Dam outlets, either by gravity or pumped by Reclamation's Folsom Pumping Plant.





# SAN JUAN WATER DISTRICT TIMELINE

- 1853: Notice of appropriation of 3,000 miner's inches (about 60 CFS) from North Fork American River for mining and agriculture posted at dam site by North Fork Ditch Company
- 1854: Construction of rock diversion dam on North Fork American River at Tamaroo Bar commenced; first water diversions
- 1889: Orange Vale Mutual Water Company signs a water supply contract with North Fork Ditch Company



- 1916: Hinkle Reservoir constructed on 15.4 acres of land purchased in 1902 from the Hinkle family
- 1917: Fair Oaks Irrigation District formed to irrigate 4,000 acres with water purchased from North Fork Ditch Company
- 1920: Citrus Heights Irrigation District formed to irrigate 3,157 acres with water purchased from North Fork Ditch Company
- 1928: Notice of appropriation of about 6,600 acre-feet filed in February. (This diversion right was limited to 15 cfs from June 1 thru November 1 when the final license was issued in the 1960's.)
- 1949: Congress authorizes Folsom Dam to create one-million acre foot reservoir
- 1954: Settlement agreement between U.S. Bureau of Reclamation (Reclamation) and North Fork Ditch Company: providing for Reclamation to deliver 33,000 acre feet per year at a maximum rate of 75 CFS from Folsom Reservoir
- Feb. 10, 1954: Voters create San Juan Suburban Water District
- May 25, 1954: New San Juan Suburban Water District acquires North Fork Ditch Company's water system and water rights

## SAN JUAN WATER DISTRICT TIMELINE (con't)

- May 5, 1956: Folsom Dam dedicated
- 1957: First water deliveries from Folsom Reservoir to Hinkle Reservoir
- 1962: San Juan enters into Central Valley Project (CVP) water service contract with Reclamation for additional supplies
- 1967: San Juan and Reclamation agree to reduce the CVP water service contract entitlement
- 1972: San Juan enters into contract with Placer County Water Agency for supplemental water supply
- 1979: Sydney N. Peterson water treatment plant constructed and begins operating, built with a portion of the \$4.2 million bonds issued in 1973



- 1992: Congress passes Central Valley Project Improvement Act, requiring water meters for San Juan customers
- 1996: San Juan enters into Warren Act Contract with U.S. Bureau of Reclamation for delivery of PCWA contract water
- 1997: Cooperative Transmission Pipeline completed and operational, providing significant increased benefits for transmission capacity and reliability for San Juan, its wholesale customer agencies and other regional partners
- 2000: Water Forum Agreement signed
- 2001: Regional Water Authority established
- 2011: Solar Facility Project completed
- 2017: Water Treatment Plant renovated after permit upgrade in 2013 to 150 MGD

# SAN JUAN WATER DISTRICT COLLABORATIONS

*“Through Orange Vale Water Company’s collaborative relationship with San Juan Water District, the Wholesale Metering Project was a huge success. The new meters provided greater accuracy in monitoring water supply and demand for our customers, enhancing overall customer confidence.”* – Sharon Wilcox, Former General Manager, Orange Vale Water Company

*“Sacramento Suburban Water District [SSWD] has enjoyed a long and successful relationship with San Juan Water District [SJWD]. The districts have worked together on multiple fronts for many decades. With the construction of the Cooperative Transmission Pipeline [CTP] in 1996, and its extension, the Antelope Transmission Pipeline, the water transmission systems of both districts were connected. Since these transmission pipelines were built, SJWD has treated SSWD surface water and delivered it to SSWD as part of a successful SSWD conjunctive use program. In 2014 and 2015, a pump station on the CTP was constructed allowing SSWD’s groundwater supplies to be pumped into SJWD in extraordinary drought and emergency situations.”* – Dan Bills, Finance Director, Sacramento Suburban Water District

*“San Juan Water District was a founding member of the Regional Water Authority in 2001 and remains a valued partner to this day.”* – John Woodling, Executive Director, Regional Water Authority

*“Through our yearlong efforts, San Juan Water District and South Placer Fire Protection District managed a successful multi-agency effort to redefine how residential fire sprinkler systems are designed and installed to provide greater confidence in their life safety operation while reducing possible cross connection water quality concerns for all new developments.”* –Chief Mike Ritter, South Placer Fire Protection District

# GOALS

The District has adopted the following goals to guide its operations. Each of these goals tells us what we want to achieve and where we are going. The objectives that relate to each goal define what we need to accomplish in the near term. Each year, District staff prepare a budget and operational plan for approval by the Board, which allocate the resources and specify the tasks necessary to achieve these objectives. Finally, performance metrics define the quantifiable indicators which we will use to measure our progress in meeting these goals.

- ◆ **Ensure Water Supply Reliability**
- ◆ **Optimize Operations and Delivery for High Quality and Reliable Water**
- ◆ **Ensure Customer Service through Consistent Access and Timely Responsiveness**
- ◆ **Operate the District Sustainably and in a Financially Sound Manner while Maintaining a Fair Rate Structure**
- ◆ **Provide a Capable High Quality Work Force and Ensure a Safe Work Environment**

## GOAL A: Ensure Water Supply Reliability

Ensure a high-quality water supply now and into the future that is reliable and sustainable, and while protecting the District's water rights and contracts.

### Strategic Objectives

1. Partner with RWA agencies and other water Districts in California to promote legislation and regulations that allow the District to accomplish its mission.
2. Develop and implement a water transfer plan, including groundwater banking and substitution transfers.
3. Re-initiate merger discussions with SSWD.
4. Plan for future droughts and climate change impacts, including implementing a robust emergency plan for Folsom operations.
5. Strategically protect water rights and other District supplies in proceedings such as those associated with the California WaterFix and the Bay-Delta Water Quality Control Plan, including promoting the Modified Flow Management Standard.
6. Update the Urban Water Management Plan, to assess supply and demand conditions and future needs.
7. Apply for federal and state grants for studies and projects to provide reliable water supplies.



## Performance Metrics

Key Performance Indicator	FY2019 Target
Amount of water transferred in groundwater substitution transfers	4,000 acre-feet
Amount of water transferred in conserved water transfers	5,000 acre-feet
Percent of grant applications approved	> 75%
Rate of success in achieving positions adopted by Board on regulations and legislation	> 80%



## GOAL B: Optimize Operations and Delivery for High Quality and Reliable Water

Meet or surpass public health and regulatory requirements, operate the District's treatment and delivery systems in a sound and sustainable manner and maintain and improve the District's infrastructure to meet the needs of our customers.

### Strategic Objectives

1. Update the infrastructure master plan(s) to prioritize & implement infrastructure rehabilitation/replacement and align with future rate study by 2019.
2. Update Operations & Maintenance Programs and enhance technology that focuses on Prioritized, Predictive and Preventative Maintenance.
3. Implement Capital Improvement Program.
4. Implement the Hinkle Reservoir Replacement Project. Coordinate with Wholesale Customer Agencies and regional partners for optimized operation during construction.
5. Complete a review and update Safety and Regulatory Compliance Program.
6. Collaborate with Wholesale Customer Agencies to optimize water reliability and operation for mutual benefit.
7. Meet or surpass State and Federal drinking water quality goals and standards and meet all regulatory reporting goals.
8. Maintain an active Emergency Preparedness Program to plan for and manage the District's functions during an emergency and allow for an efficient and effective recovery following an emergency.

## Performance Metrics

Key Performance Indicator	FY2019 Target
Capital Improvement Projects Completed	100%
CMMS Optimization	Implement an evaluation of the current CMMS program, the District's use of the program and potential improvements to optimize the program.
% of water quality goals met	100%
% of water quality regulations met	100%
Meets 80% Turbidity Reduction Standard	100%
% of water system valves exercised	10%
% Backflows Tested & Certified	100%
# Residential Meters Tested	120
# Hydrant Maintenance Completed	150





## GOAL C: Ensure Customer Service through Consistent Access and Timely Responsiveness

Provide excellent service to our retail area customers, and promote the wise and efficient use of water. Continue to build positive relationships with Wholesale Customer Agencies.

### Strategic Objectives

1. Optimize availability of District information to promote transparency and customer education for common District functions and services (including rates, budget, capital projects, maintenance, value of water, etc.)
2. Implement a long-term efficiency program, which includes a robust customer engagement program that meets the State's regulatory requirements.
3. Provide accurate and timely billing for water service.
4. Ensure efficient migration of utility billing system to accounting and financial system.
5. Provide excellent customer service via a transparent and interactive service portal and timely response to requests.
6. Complete customer satisfaction survey every 5 years achieving an 85% good or excellent customer satisfaction rating for customer service.
7. Focus interactions with Wholesale Customer Agencies to promote and increase transparency, communication and collaboration where appropriate.

## Performance Metrics

Key Performance Indicator	FY2019 Target
Utilize internal website transparency tools to ensure all transparency requirements are met.	Review website each January for compliance.
Utilize multiple forms of communication including social media, website, e-blasts, newsletters, bill inserts, bill messages, town hall meetings, neighborhood meetings, and Chambers of Commerce.	Create bi-monthly WaterGram, monthly e-blast, monthly bill message, and bill inserts as necessary. Conduct annual town hall meeting and neighborhood meetings and Chamber events as requested.
Meet statewide water reduction target.	413 GPCD by December 31, 2020.
Develop list of efficiency workshop topics and create a marketing plan for each event.	January of each year.
Maintain bill accuracy.	Evaluate each billing packet for 99% accuracy or greater
Implement safeguards in billing system to prevent risk of fraud/theft and secure customer information including isolation of at risk job tasks and creating internal system software security protocols.	Evaluate billing process annually for risks.
Implement a billing system portal that will provide customers comprehensive information 24/7 regarding water use, bill pay services and customer transactions.	Evaluate customer service features annually for effectiveness and usability.

## **GOAL D: Operate the District Sustainably and in a Financially Sound Manner while Maintaining a Fair Rate Structure**

Manage the District's finances to meet funding needs and ensure that retail and wholesale water rates are fair and reasonable.

### **Strategic Objectives**

1. Implement, monitor and report on the Five Year Financial Plan against actual financial performance, to determine if rates should be adjusted to maintain a fair rate structure.
2. Develop and manage annual operating and capital budgets in alignment with the Strategic Plan. Maintain reserves at or above Board policy levels.
3. Provide monthly reporting and semi-annual forecasting of budget to actual financial data to the public and the Board of Directors.
  - a. Proactively explore and implement strategies to control costs and maximize efficiency such as: minimize debt; if debt must be issued – seek favorable debt instruments and terms to reduce debt service costs; and reduce/eliminate Unfunded Pension Liability.
4. Seek revenue diversity and stability.
5. Review operations to identify potential efficiencies or cost savings.

## Performance Metrics

Key Performance Indicator	FY2019 Target
Implement, monitor and report on the Five Year Financial Plan against actual financial performance to determine if pre-approved rate increases could be lowered and to ensure continued relevance of Financial Plan.	Present prior year actual vs. Financial Plan analysis to the Board of Directors in October of each year.
Operating expenditures as a percent of operating expense budget	< or = 100%
Capital expenditures as a percent of capital budget	< or = to 100%
Operating and Capital revenues as a percent of budget	> or = to 100%
Debt service coverage target	> or = 2 time coverage (1.15 required)
Seek revenue diversity and stability	Review and adjust fee schedule to achieve full cost recovery, effective January 1 of each year

## **GOAL E: Provide a Capable High Quality Work Force and Ensure a Safe Work Environment**

Create an environment that attracts, retains and engages a high performing diverse workforce in support of the District's mission and core values.

### **Strategic Objectives**

1. Maintain a safe work environment, committed to regulatory and safety compliance, and supported by an aligned and high quality staff training program.
2. Continue to invest in the District's most important asset – its employees – by improving and enhancing a flexible staff training and development program to meet the dynamic workforce needs and mission demands.
3. Attract and retain a skilled, diverse and engaged staff that is focused on the District's mission, vision, core values and culture.
4. Continue to optimize the District's business systems to provide the best investment and cost benefit by appropriately integrating labor with technology to deliver on the District's set goals and objectives.
5. Ensure adequate staffing levels to implement strategic priorities.
6. Identify and impart appropriate performance measures and apply those towards promoting, recognizing and recompensing high performance employees.

## Performance Metrics

Key Performance Indicator	FY2019 Target
Complete a BOD/GM goals and performance review process	Annually
Percentage of Performance Evaluations and Reviews completed on time	100%
Percentage of personnel completing all their assigned safety training annually	100%
Number of Injury/Illness incidents per year resulting in time away from work	1 or less per 50 personnel
Percentage of personnel in job-related, but not required training or development programs	5% (or this target may be applied as a "Performance Measure Only")
Average Annual Training Hours per Employee	Greater than 10
Number of Open Positions longer than 6-months	Less than 1



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## CORE VALUES

**Accountability** – Provide excellent service to our customers and partners by acting promptly and responsively to meet their needs

**Culture** – Make the District an enjoyable and desirable place to work and maintain a competitive and engaged work force


**Fiscal Responsibility** – Use ratepayer dollars wisely and efficiently and ensure rates are fair and reasonable

**Teamwork** – Work safely and collaboratively to accomplish the District's mission

**Innovation** – Always seek creative approaches that efficiently and cost-effectively meet changing conditions

**Integrity** – Act honestly and openly and treat others with respect and courtesy





9935 Auburn Folsom Road | Granite Bay, CA 95746

916-791-0115

[www.sjwd.org](http://www.sjwd.org)

## STAFF REPORT

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To: Board of Directors  
From: Paul Helliker, General Manager  
Date: March 28, 2018  
Subject: Water Transfers

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### RECOMMENDED ACTION

Discussion of 2018 options

### BACKGROUND

Staff has been working since the end of 2017 to prepare for potential groundwater substitution transfers. We have prepared a draft agreement for use with both Fair Oaks Water District and Citrus Heights Water District. We have also been collaborating more recently with a regional consortium of potential sellers, including Carmichael Water District, Sacramento Suburban Water District and the City of Sacramento. The 4,000 acre-feet that we can potentially make available from July 1- September 30 (the expected window for transfers across the Delta) may be augmented by an additional 8,000 AF of water from these other sellers. The Central Coast Water Authority is the potential buyer, on behalf of cities and water districts in the Santa Barbara/Solvang area. The price we have requested is \$500/AF, which would be distributed to FOWD and CHWD to cover their costs of producing the groundwater, to San Juan to cover the cost of the foregone revenue from surface water sales to CHWD and FOWD, and the remainder to be split equally between San Juan and the respective groundwater producers. We have various documents to complete, including a conveyance agreement with the Department of Water Resources, a buyer/seller agreement with Central Coast, a CEQA Negative Declaration to cover the transfer of that amount of pre-1914 water right water, and documentation associated with groundwater operations. The goal is to finalize these documents before July 1.

We are also discussing with Sacramento Suburban Water District the possibility of a conserved water transfer to them, if they are unable to purchase water from PCWA, due to inflows into Folsom Reservoir being below their triggering minimum threshold of 1.6 million acre-feet. This transfer would provide compensation to reimburse San Juan for the cost of treating and wheeling the water, as well as the cost of replacement water, and would represent revenue San Juan would not otherwise receive. This transfer would not require the approval of DWR or the Bureau of Reclamation, as we would not be using their facilities.

Staff continue to press ahead on discussions with DWR and Reclamation regarding an acceptable comprehensive approach to conserved water transfers, and will brief the Board on the status of these activities.

# AGENDA ITEM V-3

P.O. Box 2157 | 9935 Auburn Folsom Road | Granite Bay, CA 95746 | 916-791-0115 | sjwd.org



Directors

Edward J. "Ted" Costa

Marty Hanneman

Kenneth H. Miller

Dan Rich

Pamela Tobin

General Manager

Paul Helliker

March 8, 2018

Mr. Dan York  
General Manager  
Sacramento Suburban Water District  
3701 Marconi Avenue, Suite 100  
Sacramento, CA 95821

Re: Status of Merger Discussions

Dear Dan:

On behalf of the Board of Directors of San Juan Water District, I am writing to inquire about the merger discussions that occurred between San Juan and Sacramento Suburban Water District in the years prior to and including 2015. I understand that there were two reports prepared on the subject, the most recent of which was reviewed by both Boards at a joint meeting on June 25, 2015. At that meeting, your Board had some questions and concerns about the information in the report and the participation of San Juan's wholesale customer agencies in its development.

The San Juan Board is interested in the current status of your agency's consideration of the potential of a merger with our agency, and what activity may have occurred on this topic since the June, 2015 meeting. We would appreciate any information you could provide on this topic.

Thank you very much!

Sincerely,

Paul Helliker  
General Manager

cc: SJWD Board of Directors

# STAFF REPORT

To: Board of Directors  
 From: Donna Silva, Director of Finance  
 Date: March 28, 2018  
 Subject: Mid-Year Financial Report

## RECOMMENDED ACTION

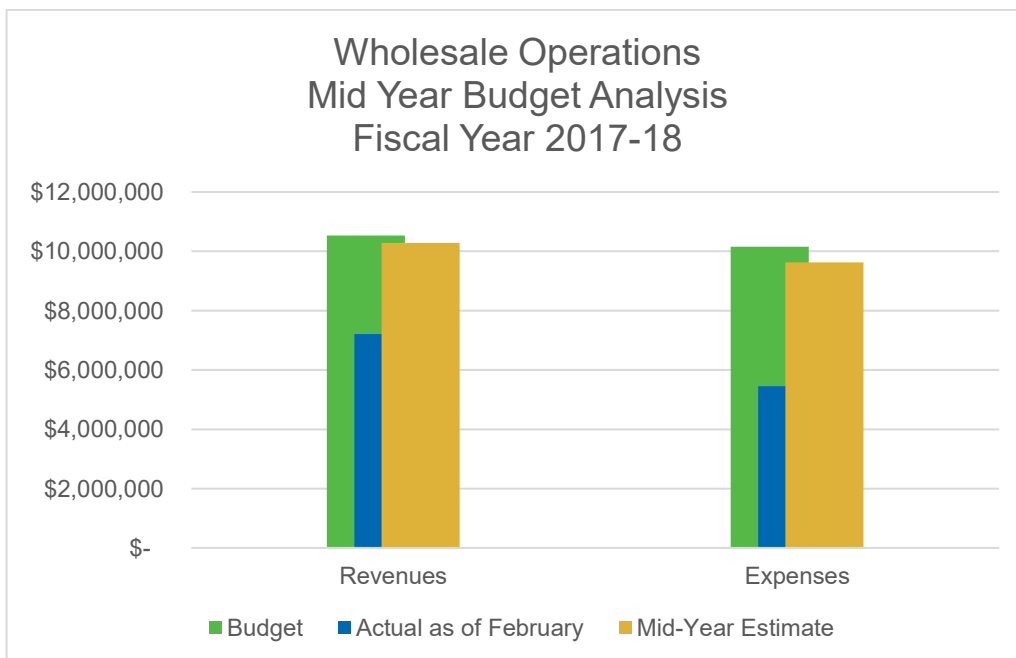
Receive report.

## BACKGROUND

The Board of Directors adopted the Fiscal Year 2017-2018 Operating and Capital Budget on June 28, 2017. The Board of Directors receives monthly budget to actual reports at each Board Meeting. The purpose of this report is to provide an in depth analysis to the Board of Directors on the actual activity of the District’s four funds (Wholesale Operations, Wholesale Capital, Retail Operations and Retail Capital). The District is approximately half way through the fiscal year. A mid-year analysis of actual versus budget affords the District the opportunity to course correct if necessary and/or to be assured that the financial activities and position of the District are on course with the approved budget.

The Summary Income Statement by fund is attached to this staff report as reference for the analysis provided below. Although the reports are through February 2018, most of the activity recorded is only through January due to a natural lag in processing.

### Wholesale Operations:



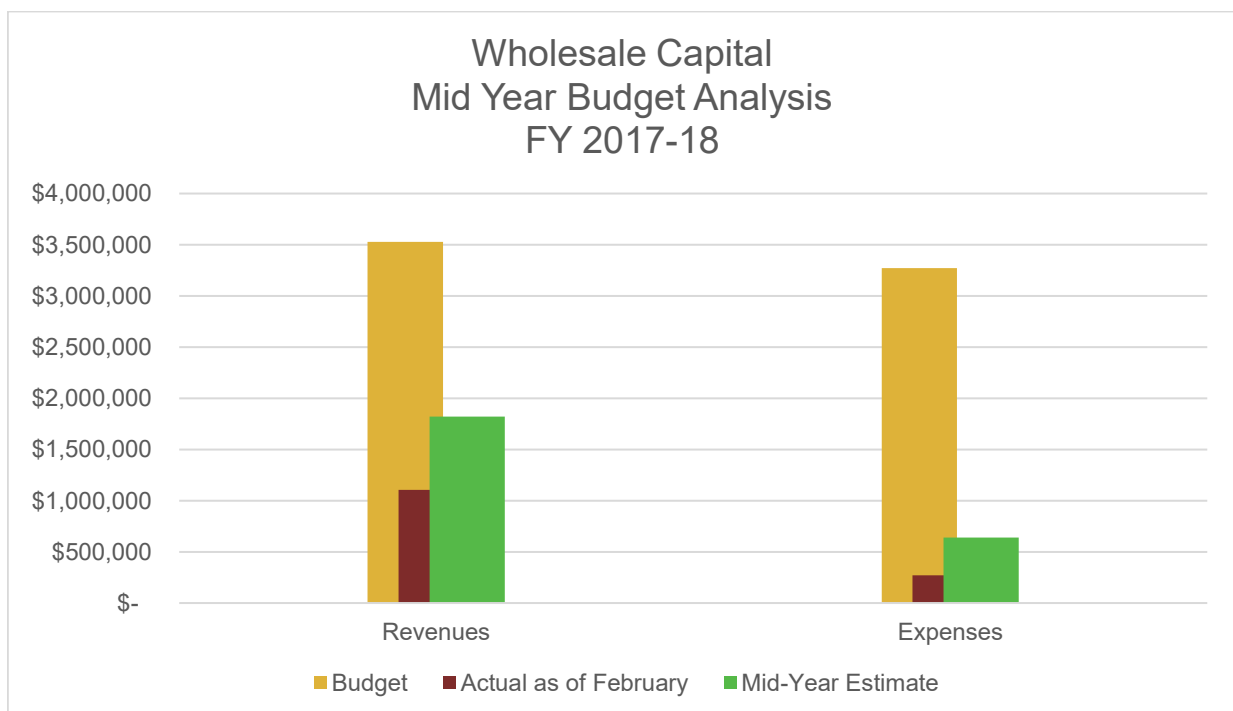
As illustrated in the above graph, wholesale operating revenues are expected to come in below the budget, but expenses are expected to be under budget by an even greater amount, yielding a higher net result than anticipated in the budget.

Wholesale operating revenues were budgeted for \$10,535,600 but are now expected to be \$10,286,900, a negative variance of \$248,700 or -2.4%. Revenues are coming in lower than anticipated in the budget due to lower demand from the Fair Oaks Water District and an inability of Sacramento Suburban Water District to have us treat and deliver as much water as planned due to a broken pipe in their system.

Wholesale operating expenses were budgeted at \$10,150,100 but are now expected to be approximately \$9,624,100, lower than the budget by \$526,000 or -5%. Three main factors contribute to variance:

- Salaries and Benefits (savings of \$256,000):
  - The budget anticipated the Assistant General Manager position to be filled for the entire year. The position was not filled and the District has no current plans to fill this position.
  - The budget anticipated a 5% increase in the cost of health benefits, yet the premiums were held constant.
  - These savings are partially offset by the costs of the newly approved Safety position, which will be split between wholesale and retail.
- Water Supply (savings of \$182,800): primarily due to the renegotiated agreement with PCWA, which will save the District approximately \$125,000 this fiscal year.
- Other Expenses: As with any budget to actual analysis there is a myriad of expenses which come in either higher or lower than anticipated in the budget. Factoring in know differences and annualizing the remaining expenses suggests combined net savings of approximately \$87,200.

Wholesale Capital:



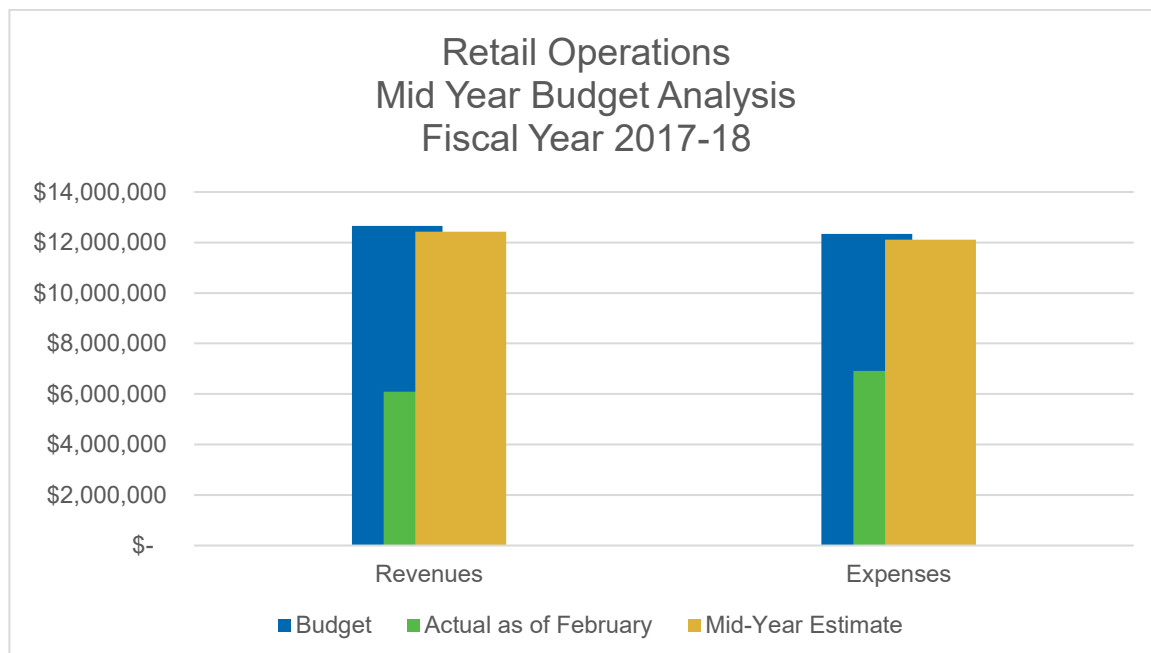
The original budget for Wholesale Capital revenue was \$3,526,700. District staff is currently estimated fiscal year revenues of \$1,821,200 due to the Fair Oak 40 Re-lining project being put on hold. Fair Oaks Water District was to have paid San Juan approximately \$1.8 million this fiscal year for the project, but it was put on hold as construction bids came in significantly higher than anticipated. There will be a corresponding decrease in expenses as well. Property tax revenues are looking to come in about 3.4% under budget, but connection fees of \$131,771 have already exceed the budget of \$35,000. Removing the effect of putting the Fair Oaks 40 Re-lining project on hold, total wholesale capital revenues look to be coming in approximately \$86,000 over budget.

Wholesale Capital Expenditures were originally budgeted for \$3,272,100 but are now anticipated to be \$639,300. This significant variance is due to a combination of project delays, such as the Fair Oaks 40, and project savings, as detailed below:

- Fair Oaks 40 project: bids came in significantly greater than budget. Project is currently being re-bid and we are hoping for a more reasonable result. Expenses this year are solely for project design for bid preparation. Staff anticipates budgeting for the construction next year, but it depends on how the bids come in.
- The District realized \$397,000 in savings on the Flocculation/Sedimentation Basin project that was completed this year.
- Savings of approximately \$70,000 on a variety of projects that were done in house at a lower amount than originally expected.

Of the total budget of \$3,272,100, \$662,200 is expected to be done this year, and \$2,143,100 is expected to be completed next year, yielding savings of \$466,800.

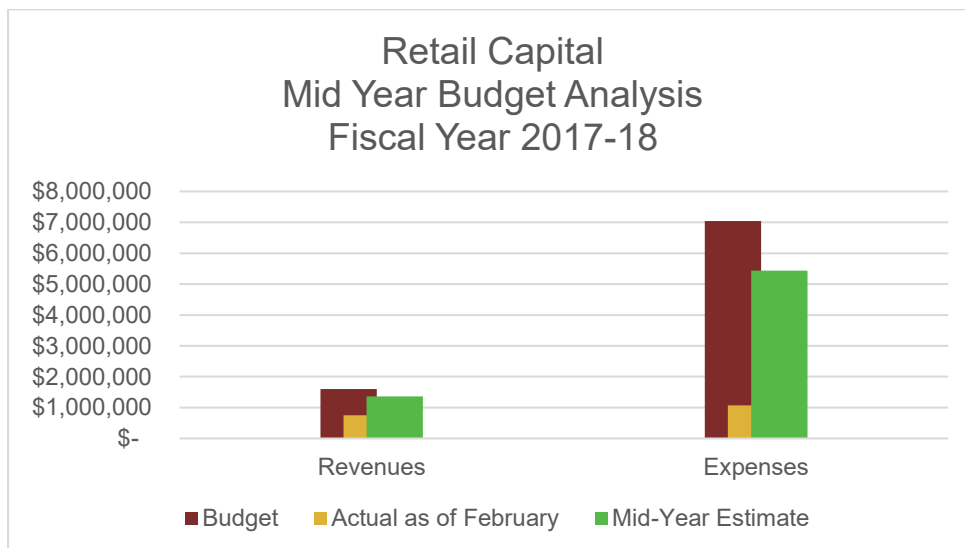
Retail Operations:



Retail operations are on track with the budget. Revenues were budgeted for \$12,650,900 and are now looking to be approximately \$12,427,300, a variance of -1.8%. Expected water sales are slightly under budget and cost recovery is looking to come in under budget due to not using as much outside consulting assistance for developer projects as anticipated in the budget. This of course, is offset by lower expenses.

Expenses were budgeted for \$12,336,600 and are looking to come in around \$12,112,600, a variance of -1.8%, the same as revenues. Salary and benefit expenses are coming in lower than budget, due to not filling the Assistant General Manager and no increase in the cost of health benefits. Also, water supply costs are slightly lower than anticipated, due to an expectation of lower water demand.

Retail Capital:



The Retail Capital Fund has budgeted revenues of \$1.6 million. Staff’s mid-year analysis suggests actual revenues will be 15.8% less than budget at \$1,362,300. The original budget anticipated Connection Fee revenues of \$450,000 due to two major development projects. While those projects continue to move forward, it is unlikely they will be completed by the end of this fiscal year. Therefore, the connection fee revenue is likely to come in next year, as opposed to this year. Property tax revenues are looking to come in slightly under budget at \$1,052,600 instead of \$1,090,000.

Retail capital expenditures are also looking to come in under budget for a number of reasons. The budget anticipated total expenses of \$7,043,700, which includes a transfer out of \$1,394,700 to help pay down the Unfunded Pension Liability. Total expenses, including the pension payment, are now expected to be \$5,439,200, a decline of \$1.6 million, mostly due to projects being partially rolled over to next year. Many projects came in under budget, but two of them (Olive Ranch Pressure Reducing Station and Oak Ave. 12” Main Line replacement) came in over budget yielding a net overage of \$85,900.

None of these variances will affect the Retail division's ability to send the planned payment in to CalPERS to pay down the unfunded liability.

Attachments:

Income Statements by Fund, Period Ending February 28, 2018







San Juan Water District, CA

## Wholesale Capital Income Statement Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MT D Activity	YTD Activity	Budget Remaining
<b>Fund: 011 - Wholesale Capital Outlay</b>					
<b>Revenue</b>					
42000 - Taxes & Assessments	1,090,000.00	1,090,000.00	266,489.99	599,989.14	490,030.86
44000 - Connection Fees	35,000.00	35,000.00	1,372.00	131,771.33	-96,771.33
44500 - Capital Contributions - Revenue	2,172,400.00	2,172,400.00	0.00	369,777.00	1,802,623.00
49000 - Other Non-Operating Revenue	60,000.00	60,000.00	0.00	3,737.94	56,262.06
49990 - Transfer In	169,300.00	169,300.00	0.00	0.00	169,300.00
<b>Revenue Total:</b>	<b>3,526,700.00</b>	<b>3,526,700.00</b>	<b>267,861.99</b>	<b>1,105,255.41</b>	<b>2,421,444.59</b>
<b>Expense</b>					
55000 - Maintenance	2,253,500.00	2,253,500.00	0.00	99,525.78	2,153,974.22
61000 - Capital Outlay	1,018,600.00	1,018,600.00	16,127.93	195,112.12	823,487.88
63000 - Contributions to Others	0.00	0.00	0.00	-23,477.00	23,477.00
<b>Expense Total:</b>	<b>3,272,100.00</b>	<b>3,272,100.00</b>	<b>16,127.93</b>	<b>271,160.90</b>	<b>3,000,939.10</b>
<b>Fund: 011 - Wholesale Capital Outlay Surplus (Deficit):</b>	<b>254,600.00</b>	<b>254,600.00</b>	<b>251,734.06</b>	<b>834,094.51</b>	<b>-579,494.51</b>
<b>Total Surplus (Deficit):</b>	<b>254,600.00</b>	<b>254,600.00</b>	<b>251,734.06</b>	<b>834,094.51</b>	<b>-579,494.51</b>



San Juan Water District, CA

## Retail Operating Income Statement Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
<b>Fund: 090 - RETAIL</b>					
<b>Revenue</b>					
41000 - Water Sales	10,716,800.00	10,716,800.00	-304.72	5,869,356.32	4,847,443.68
45000 - Other Operating Revenue	427,100.00	427,100.00	6,729.87	159,590.32	267,509.68
49000 - Other Non-Operating Revenue	112,300.00	112,300.00	0.00	67,444.96	44,855.04
49990 - Transfer In	1,394,700.00	1,394,700.00	0.00	0.00	1,394,700.00
<b>Revenue Total:</b>	<b>12,650,900.00</b>	<b>12,650,900.00</b>	<b>6,425.15</b>	<b>6,096,391.60</b>	<b>6,554,508.40</b>
<b>Expense</b>					
51000 - Salaries and Benefits	6,021,200.00	6,021,200.00	298,688.04	2,617,019.74	3,404,180.26
52000 - Debt Service Expense	522,300.00	522,300.00	0.00	321,720.26	200,579.74
53000 - Source of Supply	3,080,600.00	3,080,600.00	0.00	2,173,757.03	906,842.97
54000 - Professional Services	717,800.00	717,800.00	97,863.37	446,724.00	271,075.00
55000 - Maintenance	255,100.00	255,100.00	7,649.67	341,371.40	113,728.60
56000 - Utilities	254,200.00	254,200.00	2,403.19	190,587.30	63,612.70
57000 - Materials and Supplies	279,300.00	279,300.00	13,400.02	176,658.57	102,641.43
58000 - Public Outreach	163,100.00	163,100.00	5,333.00	36,638.77	126,461.23
59000 - Other Operating Expenses	535,800.00	535,800.00	27,423.91	299,731.26	236,068.74
69000 - Other Non-Operating Expenses	3,400.00	3,400.00	0.00	1,733.80	1,666.20
<b>Expense Total:</b>	<b>11,832,800.00</b>	<b>11,832,800.00</b>	<b>392,761.20</b>	<b>6,405,942.13</b>	<b>5,426,857.87</b>
<b>Fund: 090 - RETAIL Surplus (Deficit):</b>	<b>818,100.00</b>	<b>818,100.00</b>	<b>-386,336.05</b>	<b>-309,550.53</b>	<b>1,127,650.53</b>
<b>Total Surplus (Deficit):</b>	<b>818,100.00</b>	<b>818,100.00</b>	<b>-386,336.05</b>	<b>-309,550.53</b>	<b>1,127,650.53</b>



San Juan Water District, CA

## Retail Capital Income Statement Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
<b>Fund: 055 - Retail Capital Outlay</b>					
<b>Revenue</b>					
42000 - Taxes & Assessments	1,090,000.00	1,090,000.00	266,490.00	599,989.14	490,030.86
44000 - Connection Fees	450,000.00	450,000.00	0.00	137,555.89	312,444.31
44500 - Capital Contributions - Revenue	0.00	0.00	0.00	-3,750.00	3,750.00
49000 - Other Non-Operating Revenue	60,000.00	60,000.00	0.00	19,950.53	40,049.47
<b>Revenue Total:</b>	<b>1,600,000.00</b>	<b>1,600,000.00</b>	<b>266,490.00</b>	<b>753,725.36</b>	<b>846,274.64</b>
<b>Expense</b>					
54000 - Professional Services	66,000.00	66,000.00	0.00	0.00	66,000.00
55000 - Maintenance	155,000.00	155,000.00	0.00	9,908.01	145,096.99
61000 - Capital Outlay	5,428,000.00	5,428,000.00	13,213.92	1,060,707.78	4,367,292.22
89900 - Transfers Out	1,394,700.00	1,394,700.00	0.00	0.00	1,394,700.00
<b>Expense Total:</b>	<b>7,043,700.00</b>	<b>7,043,700.00</b>	<b>13,213.92</b>	<b>1,070,615.79</b>	<b>5,973,089.21</b>
<b>Fund: 055 - Retail Capital Outlay Surplus (Deficit):</b>	<b>-5,443,700.00</b>	<b>-5,443,700.00</b>	<b>253,276.08</b>	<b>-316,885.43</b>	<b>-5,126,814.57</b>
<b>Total Surplus (Deficit):</b>	<b>-5,443,700.00</b>	<b>-5,443,700.00</b>	<b>253,276.08</b>	<b>-316,885.43</b>	<b>-5,126,814.57</b>

## STAFF REPORT

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To: Board of Directors

From: Tony Barela, PE  
Operations Manager

Date: March 8, 2018

Subject: SJWD Facility and Needs Assessment

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### Background

In the development of the 5-year Financial Plan, multiple options were considered to address the space limitations at the District's main site. Discussions primarily focused on the Administration Building and the replacement of the Old Shop. Options discussed for the Administration Building included:

- Renting trailers to house staff and Board meetings,
- Expanding the existing Administration Building, or
- Constructing a new Administration Building near the District's main entrance.

Options for the Old Shop included:

- Full Replacement (Fire Suppression System Included),
- Partial Replacement (No Fire Suppression System & Smaller Square Footage), or
- Structural Rehabilitation to extend the life of the Existing Structure.

Initially, the 5-year financial plan included a ~\$4-million dollar line item to construct a new Administration Building and replace the Old Shop. However, due to rate increase concerns and upon Direction of the Board, the line item was adjusted to only include the costs of the structural rehabilitation of the Old Shop. Additionally, the Board directed Staff to review the District needs and present options for accommodating current and future space requirements.

In August 2017, San Juan Water District (District) contracted with Arch Nexus, Inc. (Consultant) to conduct a Facility and Needs Assessment for the District's main grounds/facilities. The assessment focused on the following locations:

- Overall Site Needs
- Administration Building
- Water Treatment Plant
- Engineering/Maintenance Building
- Old Shop

Each of these sites were evaluated related to code and life safety requirements, functionality, available space and user satisfaction. Additionally, the site was evaluated related to the Americans with Disabilities Act (ADA) and mechanical/plumbing/electrical code compliance.

The Consultant met with Staff, completed detailed inspections, and provided a final report with their findings and recommendations.

### **Presented Options and Recommendations**

Based on the site assessment, the Consultant provided three Options for consideration (see assessment report for details):

- **Option “A”** calls for the required code violations and associated work to be mitigated along with general upgrades to facilities and replace the old shop for storage.
  - o Total Estimate Cost of Option A: \$2,170,700
- **Option “B”** calls for the same scope of work as outlined above in option “A” including a new addition of 1,296 sf to the existing building. It also recommends repurposing the existing Engineering and Maintenance Building as the new Storage Building and Building a new Engineering and Maintenance Building.
  - o Total Estimate Cost of Option B: \$4,258,080
- **Option “C”** includes a new centralized Administration building that houses much of the staff as well as the Engineering/Maintenance function. Renovate the existing Engineering and Maintenance Building to become the new Storage Building.
  - o Total Estimated Cost for Option C: \$7,172,400

Based on their findings, the Consultant recommends Option “B” which allows the District to mitigate the major code issues in the locations where these issues impact the public, as well as provide a safe, long term storage solution to the campus. In addition, it provides the first phase of a campus build-out; one that sets the vision for the campus master plan.

SAN JUAN WATER DISTRICT  
FACILITY AND NEEDS ASSESSMENT  
FEBRUARY 8, 2018



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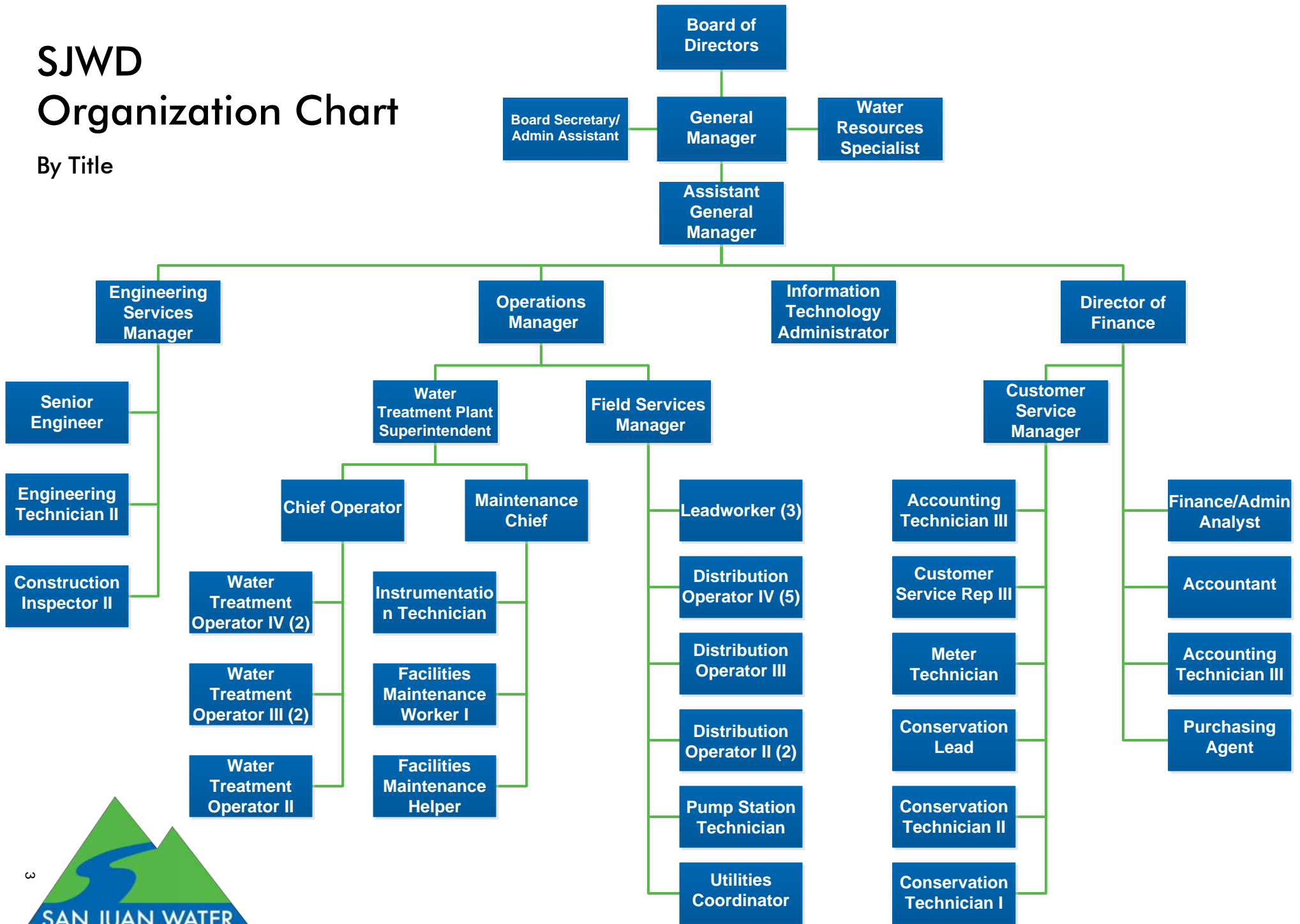
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# SJWD Organization Chart

By Title



## **PARTICIPANTS**

### **San Juan Water District:**

Tony Barela, Operations Manager

Rob Watson, Engineering Manager

Chris von Collenberg, Information Technology

Donna Silva, Director of Finance

Lisa Brown, Customer Service/ Construction Manager

Greg Turner, WTP Supervisor

George Machado, Field services Manager

Paul Helliker, General Manager

### **ArchNexus:**

Charlie Downs, AIA

Dee Rosenberg, AIA

Charles Dandy, AIA

Richard Price, AIA

### **Charles A Martin Associates:**

Jane Piland, Principal

### **Capital Engineering:**

Lowell Shields, P.E.

# EXECUTIVE SUMMARY



## **San Juan Water District Facility and Needs Assessment**

### **Introduction:**

In September of 2017 Architectural Nexus was hired by the San Juan Water District (SJWD) to provide an Assessment of the existing buildings and site of the SJWD campus. This assessment will be used to assist in the evaluation and planning for future improvements to the SJWD facilities.

This work was performed in order to assess general conditions and accessibility compliance with both the Americans with Disabilities Act (ADA) and Chapter 11B of the California Building Code. The Mechanical/Plumbing systems were evaluated by Capital Engineering and the Electrical systems were evaluated by Charles A. Martin and Associates.

### **Process:**

The scope included an inspection of the Overall Site, the Administration Building, the Water Treatment Plant (WTP), Engineering/Maintenance Building and Old Shop/Storage buildings. Other buildings on the site were not included. In addition to code and life-safety requirements, these buildings were evaluated for functionality, available space and user satisfaction.

Initially, ArchNexus met with key staff to present the process of evaluating the buildings, the site, and preparing the report. A survey was prepared and distributed to staff. Once completed, these surveys were collected, evaluated and the results compiled. After ArchNexus received the completed staff surveys, a meeting was held at the SJWD site with key staff to discuss the results and further review ongoing issues and concerns. This resulted in additional information and comments on the buildings and areas mentioned above. These comments have also been incorporated into this document.

We have organized the report to present the areas of concern, by building and by discipline, provide floor plans of each building with square foot takeoffs and three different approaches to the issues we identified.

Finally, we have provided a preliminary cost estimate for each of the three solutions we present.

Any recommendations made in this report regarding accessibility issues will have to be evaluated by SJWD based on further discussion including; job descriptions of each person at each building, allocation of spaces and function, future plans for campus renovations and budget requirements. If all of the job descriptions at a given building require a high level of mobility, the suggested Certified Access Specialist (CASP) survey items should be discussed with your local building official for applicability. They are the authority with jurisdiction to interpret the CBC as it applies to each building and circumstance.

Any renovations to any building that do not exceed the threshold amount set by Chapter 11B of the California Building Code will require SJWD to spend 20% of construction costs on accessibility upgrades to that building. Any renovations that do exceed the threshold amount set by Chapter 11B of the California Building Code will require that the entire building be brought up to current ADA and Chapter 11B standards. These requirements apply to the buildings and the site.

## **Executive Summary:**

### **SJWD Campus Evaluation:**

Currently the existing campus is balkanized. Teams work in different buildings and staff see this as a barrier to communication, collaboration and to work flow. All of the conference functions could be brought together in a single area in the new Engineering and Maintenance building. There is no space on campus where all of the SJWD staff can gather comfortably as a group to discuss issues face to face, or where SJWD can host community meetings with more than 30-40 people. A dual duty space designed to accommodate daily Engineering functions as well as large groups of people in the proposed Engineering and Maintenance Building would provide space for larger public meetings including provisions for a technologically current Board Room. The break rooms in the Administration, and Engineering building serve other functions intermittently and are undersized for staff in those locations under normal working conditions. Currently, many of the existing office spaces on the campus are inadequate. Issues include lack of appropriate work space, lack of room for equipment, outdated HVAC and electrical service, no insulation, lack of adequate storage space, noise infiltration, lack of compliant ADA access, poor lighting, no access to light and air, degraded and damaged finishes and no expansion capability. There is also a need for more flexible and private meeting space of all sizes some with modern AV and smart screen capability.

If the existing campus configuration is left as it is, and each building is renovated separately for required compliance with the code there will be unexpected expenses due to the process of discovery. SJWD will have to hold a large contingency for renovation to any of the existing buildings on campus. There will be unknown conditions including possible hazardous materials, structural inadequacies, pests, water damage, foundation issues, M/E/P and Data system issues. Potential unexpected findings with any of these issues will increase the cost of the work. The following is an analysis of issues by building.

#### **Administration Building:**

The existing Administration Building is currently deficient in a number of areas. Heating and cooling, insulation, flexibility, and accessibility issues need to be addressed. A previously proposed single story addition will improve the situation and result in an improvement to the function of the building. If SJWD chooses to keep the building functioning in its current capacity as Administration and a public interface for the SJWD, it will require the following upgrades: Break Room, Copy Room and Corridors will need to be widened, bathrooms will need to be renovated for ADA compliance, the existing exterior walls and ceiling are uninsulated so this issue will need to be mitigated, existing single pane windows will need to be replaced with new insulated windows.

Also, if this building is to be used at all by staff or the public in the future, the parking, Path of Travel, Toilet Rooms, doors, thresholds and all the work sited in the CASp survey will have to be done.

#### **Engineering/Maintenance:**

The existing Engineering/Maintenance building has many of the same issues as the Administration Building. If it is renovated to become the new Storage Building, SJWD will realize several advantages. The storage will be centrally located on campus, easily accessed from the WTP, and Engineering/Maintenance areas. If a new Engineering and Maintenance building is constructed, Storage will be in close proximity to that building. The existing double height shop space of the Engineering/Maintenance Building will easily store large scale items and the two story area of the building will work well for the storage of smaller items and documents. If this

building is dedicated solely to storage function, it will eliminate much of the work required by the M/E/P and CASp surveys. Since the upstairs storage will be accessed by staff whose job descriptions require fully ambulatory function no work will be required to make the building accessible. The roof will still need to be replaced but some HVAC capability could be abandoned. This will result in fewer building accessibility, HVAC, data, alarm and electrical modernization costs. Please be advised of the potential risk associated with any non-accessible spaces as conditions may change with both staff and regulatory agencies.

A new Engineering and Maintenance building can be designed as the first phase in a dual phase building program that will allow for the fully integrated future expansion to include a new Administration Building. The Engineering and Maintenance building will be a stand-alone project once completed, but will be designed to work seamlessly with any future Administration program and construction.

#### Water Treatment Plant (WTP):

The WTP is in need of selective renovation. Currently the building lacks compliant access to the first and second floors. The CASp survey has determined that the first floor is exempt from ADA access but if the second floor continues to be used for non-essential staff then an elevator must be provided to allow access to the upper level of the building. However, we recommend that SJWD have a meeting with the local Building Official to determine if they will require any changes to this space. In this type of situation, the local Building Department has some leeway for code interpretation.

However, there are several code driven upgrades that need to take place in this building. They include: moving the electrical panel away from the janitorial sink at the second floor, and enlarging the Server room. The final determination about the need for ADA compliant access to the second floor will be up to the local building official depending on their interpretation of the code.

#### **Recommendations:**

The three options presented in this report are envisioned as points on a continuum of possible solutions. Any of these options or combinations of options are available to the San Juan Water District. This document is meant to facilitate a broad discussion of possible campus renovations and future planning. We have identified core code issues, as well as user concerns and made recommendations based on these findings and discussions.

After careful consideration of the SJWD site and buildings we feel the District should consider the following approach as outlined in **Option B** of this document:

- The existing Old Shop/Storage building is beyond repair and should be demolished because of life safety concerns.
- The existing Engineering/Maintenance Building is in sound enough shape to be repurposed as the new SJWD Campus Storage building.
- In order to accommodate the growth of the District and to serve better functional relationships and enhance the customer service experience, the existing Administration building should be renovated for code compliance and interior finishes should be refreshed.
- A new, fully accessible building should be constructed near the existing south entrance that will house the Engineering and Maintenance personnel and program. This building should be configured

to tie into a future second phase that would allow for a fully integrated Engineering and Maintenance and Administration building.

- If required by the local building official, accessibility upgrades should be made to the WTP including compliant toilet rooms, accessible entrance and access to the second floor and locker room. Regardless of accessibility issues, SJWD should make the electrical and mechanical upgrades as recommended. Arch Nexus also recommends that SJWD reconfigure existing spaces on the second floor to better serve staff. The IT department and the new Safety employee should be moved to the new building.
- A new site lighting and wayfinding system should be provided for the entire site.
- Existing traffic patterns should be reworked for safety and flow.

A new, centrally located Engineering and Maintenance building on the SJWD campus will allow current staff to continue operations in the existing Engineering and Maintenance building, therefore eliminating the need to spend money on temporary facilities and costly staff moves. The existing building can then be re-purposed as centralized storage. This will remove the danger posed by the existing Storage building and eliminate the need for costly renovations to the existing Engineering and Maintenance building. The new Engineering and Maintenance building will provide the campus with a fully code compliant building that meets the current and future needs of the District, and supports the team that is at the heart of the San Juan Water District's interface with the greater community.

In addition, a new site wayfinding system, parking and Path of Travel upgrades to the existing Administration Building and Site Lighting would provide easy wayfinding by the public, adequate parking and compliant path of travel for visitors to the site. This is shown in Option "B" of this report.

### **Conclusion:**

The purpose of this Facilities and Needs Assessment Study is to provide the District leadership with the tools to make an informed decision regarding existing buildings and possible new replacement facilities. There are three options presented within the study, "A, B & C". These solutions are meant to facilitate dialogue relating to; phasing, financing and long term solutions from a functional and customer service perspective.

A number of issues necessitate a careful review of the existing buildings as you plan to meet your future needs. Some of these issues that should be addressed are due to:

- Code changes for access compliance
- Energy use and efficiency
- Life Safely code changes
- Changes in the way the District works and collaborates
- The growing importance of technology in the workplace
- Community growth
- Enhancing customer service
- Safety and security
- The importance of maintaining quality water delivery and reliable service

The existing facilities were built at a time when SJWD served far fewer customers. As the population of the District has grown, and continues to grow, the number of staff has grown. The configuration and constraints of the existing buildings and site make this difficult. Renovations and additions to the Administration



Building outlined in options “A” will provide a partial solution for a limited amount of time. Eventually, the campus will outgrow this remedial work and the District will have to look at a campus wide plan that addresses both space needs and functionality. Option “C”, while comprehensive, is a large scale project, and possibly points the way to an ultimate long term solution. It is however, costly and may not be in step with the current economic climate and water demands of the SJWD.

Option “B” allows the District to mitigate the major code issues in the locations where these issues impact the public, as well as provide a safe, long term storage solution to the campus. In addition, it provides the first phase of a campus build-out; one that sets the vision for the campus master plan.

Again, the purpose of this study is to illustrate the various options and approaches as a resource for decision making. Bringing the SJWD facilities up to current codes and standards will allow the District to best operate its facilities and to best serve its customers well into the foreseeable future. This must be the underlying goal for any decision making.

On behalf of Architectural Nexus, thank you for the opportunity to be of service to the San Juan Water District. We have enjoyed working with your capable staff and look forward to the implementation of a plan that can meet your objectives.

EXISTING CONDITIONS

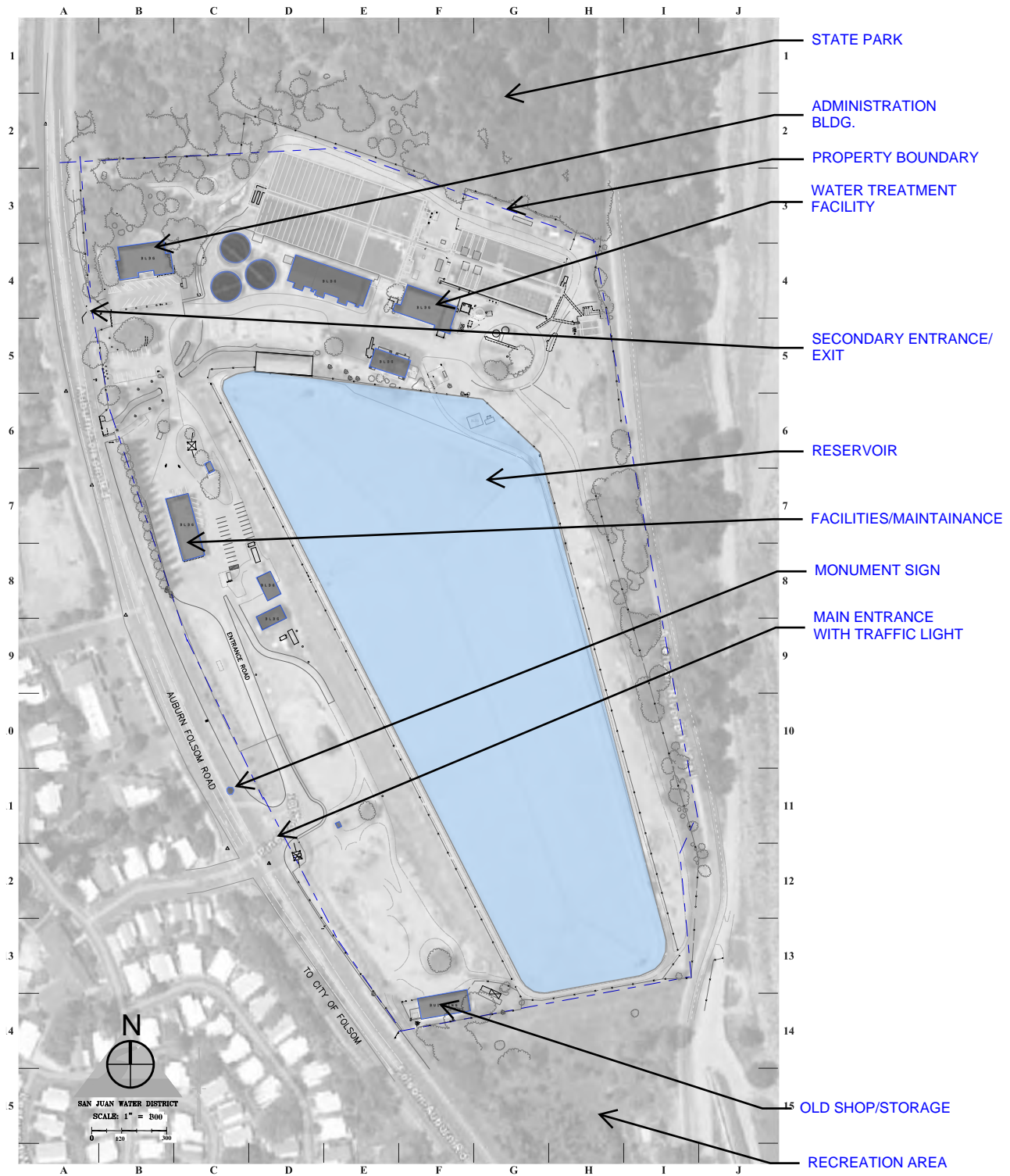


**List of Issues by Site/Building and Discipline:**

The SJWD site was evaluated for accessibility, lighting, traffic pattern, suitability of the separate areas for work flow, communication and travel between buildings. The site is currently lit by high pressure sodium lighting on light poles as well as by building mounted lighting. There is no accessible path of travel between buildings for walking, lighting levels are lower than recommended, there is currently minimal signage and no wayfinding on the campus Please refer to the CASp Survey and the Mechanical and Electrical reports for more information.

**Overall Site and Campus Wide Issues:**

1. Lack of adequate site lighting, currently lighting levels are too low and existing lighting is not compliant with current Title 24 Building Codes.
2. Lack of adequate wayfinding. It is difficult for customers to locate the Administration Building due to its location on the campus and the lack of adequate directional signage. The signage at the entrance to the facility is on the far side of the entrance to the north. Current site signage is not in compliance with the 2010 ADA and Chapter 11B of the California Building Code. Non-compliant issues are: font type and size, contrast between type and background, lack of braille included in signage, lack of adequate building directory signage at the Administration Building.
3. Area around the Administration Building, there is a need for compliant ADA access due to customer use of the building. Existing Path of Travel is not in compliance with the current ADA and Chapter 11B of the California Building Code. Parking spaces are too steeply sloped, there is not a path between accessible parking spaces and the building entrance that is compliant with required slopes and cross slopes. Refer to the CASp Survey for more specific information. The 2010 ADA and Chapter 11B of the CBC has detailed information on current accessibility requirements.
4. Some of the areas of the site are accessible for exterior path of travel and some are not. Some of the roads are paved and some are not. Accessible Path of Travel will need to be provided from any accessible parking to any work spaces for non-essential personnel. If all non-essential personnel are moved to a location where accessible parking is provided with a compliant Path of Travel to offices, then this issue will be solved.
5. Traffic patterns could be simplified and made more safe. There is currently the opportunity for a single one-way loop around the campus, however, there is a cross traffic pattern on campus with a STOP sign at the Engineering and Maintenance Building.
6. Currently it is difficult for all of the staff to meet comfortably in one location for meetings. This makes team work more difficult. The existing Board Room can accommodate the entire staff but only when set up in theatre style seating. There is no way for the entire staff to meet in an environment where they can sit facing each other.
7. Currently it is difficult for all of the staff to meet together for breaks. This also affects team work and group dynamics. Existing break rooms are scattered across the campus and two of them are dedicated to other uses. The Engineering and Maintenance Break Room doubles as the EOC and the Administration Break Room is used as overflow Office Space when auditors or other visitors need a place to work.
8. Existing site lighting at the WTP is outdated and the configuration makes repair and replacement of broken fixtures and bulbs dangerous. Currently all of the lighting at the WTP is older and not LED lighting. If it were changed out to LED lighting it would make changing burned out lamps less frequent and lower energy costs.



**EXISTING SAN JUAN WATER DISTRICT FACILITY DIAGRAM**

**Administration Building:**

The SJWD Campus currently has one Administration Building that houses the Customer Service/Conservation Department, Finance Department and Executive personnel. This building was built in the 1970's. It is a single story building built of large scale adobe brick. Exterior walls and ceiling are uninsulated. Some windows are single pane and some are double pane. It contains an existing board room that can accommodate approximately 20 people comfortably. The building has an area of dedicated parking. Please refer to the CASp Survey and the Mechanical and Electrical reports for more information.

**The following lists combine information from the consultant surveys, questionnaires, and meeting with the staff.**

**Staff Surveys:**

1. HVAC System does not provide adequate heating and cooling.
2. HVAC System cannot be adjusted properly.
3. Building is not insulated and some windows are single pane windows.
4. Electrical system is not adequate and breakers are frequently tripped due to use of space heaters.
5. There is a rodent/pest issue in the building.
6. There is an existing pest issue at the exterior of the building.
7. Noise intrusion/lack of privacy in individual office spaces.
8. Existing lighting causes glare on computer screens.
9. Existing Ceiling system is damaged, old, water stained.
10. Existing meeting spaces and rooms used for meetings lack adequate Audio Visual equipment and service for video conferencing and other remote meeting formats.
11. Current Audio Visual capability does not lend itself to small and medium sized group meetings.
12. Lack of adequate meeting space for all meetings of differing sizes.
13. Existing facility is unattractive, finishes are dated and of residential quality. This means that the finishes were not meant to withstand the wear and tear or the performance levels of a workplace.
14. The existing building lacks a Lactation Room.
15. Lack of adequate Storage space for; records, supplies, personal items.
16. Files not located where needed for efficient work flow.
17. Board Room is often booked when needed.
18. Board Room is too small for outreach events.
19. Board Room is too small for entire staff to meet comfortably face to face.
20. Lack of adequate Break Room and Lunch Space. Break Room can only accommodate 2 people at once.
21. The existing Break Room is utilized several weeks out of the year as office space for Auditors. In addition, this space is used as overflow office space by temporary Staff and Interns. Staff must eat lunch elsewhere during these times.
22. There is a lack of space where people can have a private conversation during breaks.
23. Some of the existing work stations and spaces are not adequate for the job description.
24. There is a need for temporary/overflow office space.
25. Existing Building Systems need evaluation for hazardous substances/cleaning/service/repair/maintenance.

26. Existing Toilet rooms are not ADA compliant.
27. Existing Break room casework and fixtures are not ADA compliant.

**CASp Survey:**

1. Any modifications or additions to this building will trigger full compliance with the current version of the ADA and Chapter 11B of the California Building Code if the construction costs exceed the current valuation threshold of \$156,126.
2. Some interior and exterior Doors and thresholds are not compliant with CBC 2016 11B and ADA. These require that thresholds have a compliant slope and that slope be within acceptable parameters.
3. Electrical Outlets are at non-compliant heights.
4. Light switches are at non-compliant heights.
5. Areas of the building lack a compliant path of travel.
6. Drinking fountain is not compliant. The ADA and Chapter 11B of the CBC require that there be two drinking fountains at two specific heights, and with required amount of access from the front and sides, with a compliant alcove or railings.
7. Toilet Rooms contain non-compliant elements. The CASp survey contains more information about these elements. Toilet rooms required adequate turning space for persons in wheelchairs, toilet height and location, grab bars, sinks at complaint heights with adequate clearance and protected pipes, all accessories must be within compliant mounting locations and be out of critical clearances for sinks, toilets, doors. More information can be found in the 2010 ADA and Chapter 11B of the CBC.
8. Copy room counter/work space is non-compliant. It is not at the height range allowed by the 2010 ADA and Chapter 11B of the CBC and also does not provide a compliant work space for wheelchair access.
9. Lunch Room counter/sink/work space is non-compliant. It is not at the height range allowed by the 2010 ADA and Chapter 11B of the CBC and also does not provide a compliant work space for wheelchair access. Does not provide a compliant sink and sink fittings.
10. Accessible parking and exterior Path of Travel is non-compliant. The path has slope and cross slopes that are in excess of 2% slope in any direction at the landings and in excess of 5% slope at non ramped areas. The Path of Travel once inside the building is also not compliant. It is too narrow, lacks turning radius space and does not provide adequate space within some offices.

**Electrical Survey:**

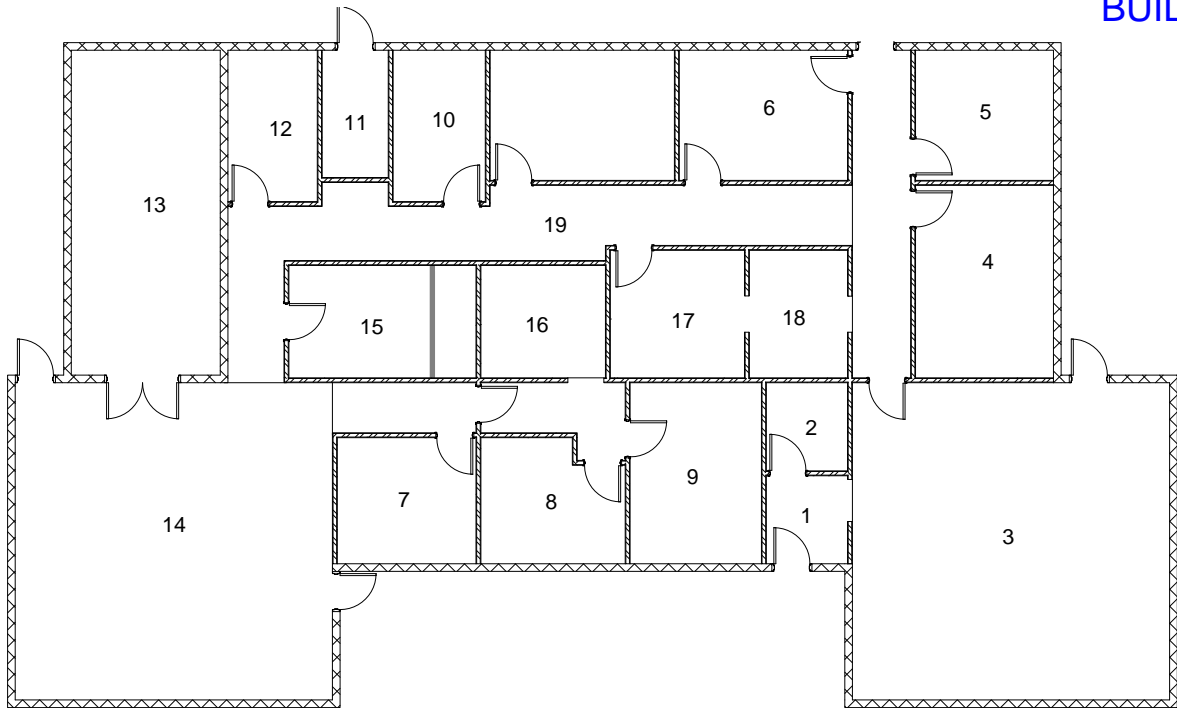
1. Existing Electrical Service needs to be relocated.
2. Existing Subpanels need to be replaced.
3. Existing electrical service is not adequate.
4. Existing fluorescent lighting needs to be replaced with LED, reconfigured and emergency lighting needs to be incorporated into electrical and lighting design.
5. The building currently has no exit signage.

**Mechanical and Plumbing Survey:**

1. Existing HVAC is not properly zoned and balanced.

2. Existing grills and registers are residential grade.
3. Existing thermostats are residential grade.
4. Existing condensing units need to be upgraded.
5. Existing windows are not dual pane, energy efficient windows.
6. Existing plumbing fixtures are not water efficient.
7. Existing plumbing fixtures are not ADA compliant.
8. Current building has no Sprinkler system.

## EXISTING ADMINISTRATION BUILDING



ADMINISTRATION BUILDING		
USABLE BLDG SIZE IN SF		
1	VESTIBULE	40.5
2	JANITOR	71.2
3	BOARD ROOM	698.6
4	OPEN OFFICE	301.9
5	OFFICE 1	150.4
6	OFFICE 2	150.4
7	OFFICE 3	133.7
8	SECRETARY	142.7
9	GM OFFICE	194.7
10	WOMENS ROOM	121
11	MECHANICAL	60.8
12	MEN'S ROOM	104.3
13	VAULT	323.3
14	OPEN OFFICE	698.7
15	COPY ROOM A	93.5
16	COPY ROOM B	95.8
17	BREAK ROOM	106.6
18	KITCHEN	97.5
19	CIRCULATION	596.8
<b>SUBTOTAL USABLE SPACE</b>		<b>4182.4</b>
<b>TOTAL ALL SPACE</b>		<b>4576.5</b>



**WTP (Water Treatment Plant):**

The WTP is located along the north property boundary of the site. It houses the main control area as well as shop and office space. There is a residential component to the facility since personnel are on site 24/7/365. The building is a two story building built of large scale adobe brick. There is currently no compliant Path of Travel to either the first or second floor of the building from grade. All office space is on the second floor and requires travel up stairs, both exterior and interior. SJWD would like to use the WTP for community education and school tours but the lack of ADA compliant access currently makes this impossible. Please refer to the CASp Survey and the Mechanical and Electrical reports for more information.

**The following lists combine information from the consultant surveys, questionnaires, and meeting with the staff.**

**Staff Surveys:**

1. Existing site lighting is old, inefficient and difficult and dangerous to service and repair.
2. Staff that works at this facility is isolated from other SJWD staff.
3. Building lacks adequate storage space for plans, documents and personal items.
4. The existing server room is not appropriately sized for existing systems and required redundancies.
5. The existing building lacks adequate space for IT failsafe systems.
6. The building lacks a dedicated, secure conference space.
7. The existing building lacks a women's locker room or provisions for a unisex locker room.
8. The building lacks adequate exterior storage areas.
9. The existing break area lacks adequate AV capability since it is used as a meeting area as well as a dining and break area. When this area is being used as a meeting area, it lacks privacy.
10. Existing office space is inadequate. Some offices lack windows.
11. Maintenance and Operations staff are located on separate floors and this makes teamwork difficult.
12. There is no office space available for new hires.
13. There is a lack of adequate locker space.
14. There is a lack of adequate flammable storage.
15. The existing covered storage area lacks adequate storage systems.

**CASp Survey:**

1. Interior and exterior door widths are not compliant.
2. Floor height transitions are not compliant. Floor transitions are limited to ¼" without a ramp and landings.
3. Corridor widths are too narrow and do not meet the ADA requirements. The ADA requires minimum amounts of approach space on the inside and outside of doors.
4. Stair handrail systems do not meet current code requirements and would be required to be replaced.
5. Toilet Rooms contain non-compliant elements. The CASp survey contains more information about these elements. Toilet rooms required adequate turning space for persons in wheelchairs, toilet height and location, grab bars, sinks at complaint heights with adequate clearance and protected pipes, all accessories must be within compliant mounting locations and be out of critical clearances for sinks, toilets, doors. More information can be found in the 2010 ADA and Chapter 11B of the CBC.
6. Shower Room does not provide the required clearances or elements required by code.

7. Workspace and sink area in Conference Room does not provide code required accessible work area or sink area and is not compliant.
8. There is no ADA compliant access to the first and second floor of the WTP. The existing stairs to the first and second floors do not provide compliant access to these areas. The CASp reviewer has determined that there does not have to be compliant access to the first floor of the building but if you have non-essential personnel working on the second floor of the building (IT, Admin) then SJWD will need to provide an elevator to the second floor of this building in the future.

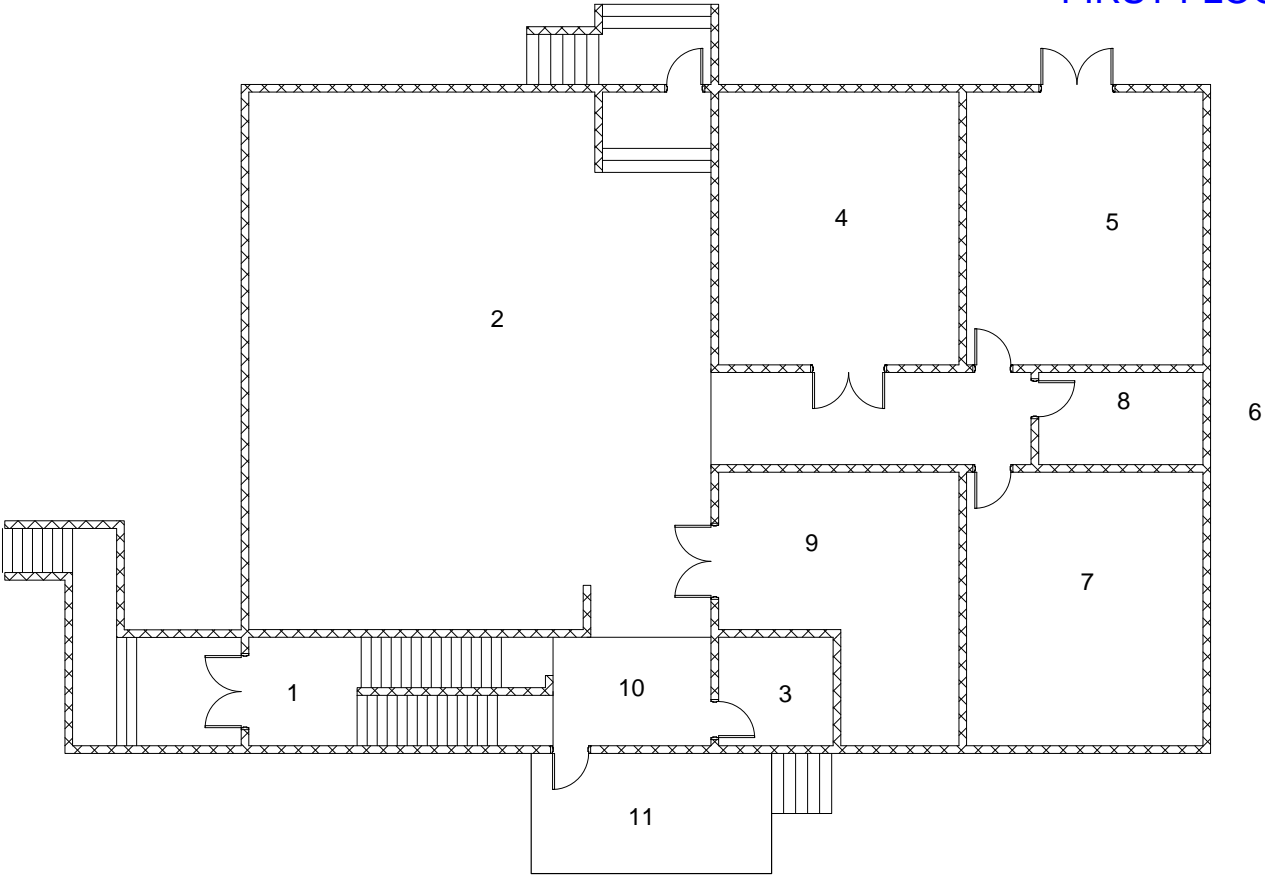
**Electrical Survey:**

1. Existing electrical room has numerous issues identified in the electrical report.
2. Existing facility has no redundancy built in to electrical systems. This is not recommended in a critical facility.
3. The upstairs electrical panel is located adjacent to a janitorial sink. This is a code violation.
4. Existing building lighting is fluorescent and needs to be replaced with LED lighting throughout. Emergency lighting needs to be incorporated at this time.
5. The existing Fire Alarm System needs to be replaced.

**Mechanical and Plumbing Survey:**

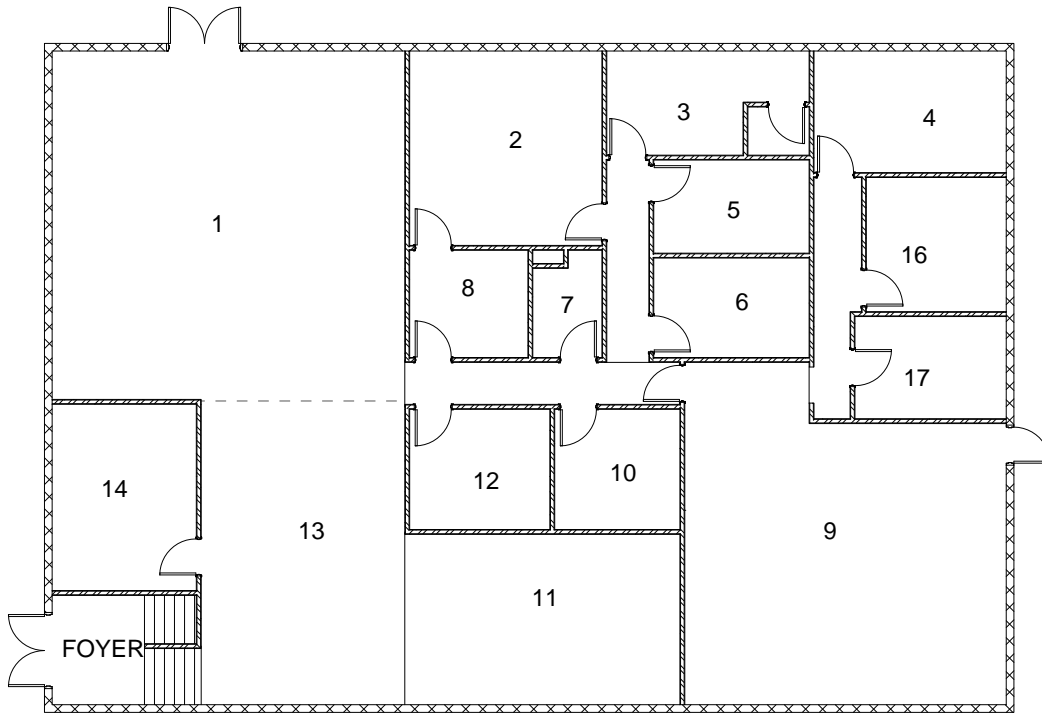
1. Diffusers and thermostats are residential grade and need to be upgraded.
2. Upstairs HVAC system requires modernization.
3. Downstairs has no current HVAC, needs heating and ventilation at shop welding area.
4. Plumbing is not water efficient or ADA compliant, needs to be replaced.
5. Building is un-sprinklered. A Critical facility should be sprinklered.

# EXISTING WATER TREATMENT PLANT FIRST FLOOR



WATER TREATMENT	
USABLE BUILDING SF	
FIRST FLOOR	<b>5738</b>
ROOM 1	77
ROOM 2	1470
ROOM 3	62
ROOM 4	467.1
ROOM 5	175.2
ROOM 6	1399
ROOM 7	361
ROOM 8	60
ROOM 9	540.5
ROOM 10	149
ROOM 11	104
CIRCULATION AND WALLS	873.2
<b>TOTAL FIRST FLOOR</b>	<b>5738</b>

## EXISTING WATER TREATMENT PLANT SECOND FLOOR



WATER TREATMENT	
<b>SECOND FLOOR</b>	<b>4056</b>
FOYER	89
ROOM 1	788
ROOM 2	220
ROOM 3	127
ROOM 4	285
ROOM 5	70
ROOM 6	70
ROOM 7	50
ROOM 8	90
ROOM 9	685
ROOM 10	72
ROOM 11	364
ROOM 12	118
ROOM 13	347
ROOM 14	178
ROOM 15	122
ROOM 16	110
CIRCULATION AND PARTITIONS	271
<b>SUBTOTAL SECOND FLOOR</b>	<b>4056</b>
<b>TOTAL BLDG SF</b>	<b>9794</b>

### **Engineering/Maintenance Building:**

The existing Engineering and Maintenance Building is located north of the center of the campus. The building is a two story building with a shell of oversized adobe brick shell with non-rated interior partitions. Uses within the building consist of a large double height working shop that also serves as the central hub for deliveries to the SJWD site. Located in the first floor of this building are; parts storage, makeshift office space, regular office space, and a compressor room. The second floor houses offices, storage and a lunch room that doubles as the SJWD EOC in case of an emergency. SJWD trucks are parked at this location when not in use. There is parking on the east and north side of the building. Please refer to the CASp Survey and the Mechanical and Electrical reports for more information.

### **Staff Surveys:**

1. Existing electrical service is not adequate. Breakers trip frequently due to use of personal heaters due to inadequate HVAC.
2. Existing HVAC system is not adequate.
3. Building lacks adequate storage for documents and materials. Also for personal items.
4. Plans and record storage area has been outgrown.
5. Building lacks adequate meeting space.
6. Building lacks adequate work space for a number of job descriptions. Currently CMCMS person is in an undersized workstation with a lack of work area and inadequate light levels and no natural light.
7. There is currently no expansion space for new hires.
8. Staff office space is divided between floors and makes teamwork difficult.
9. Field Services currently uses a small area within the inventory area for all of their office work. This reduces the amount of storage space available and the space lacks access to natural light, adequate artificial light, adequate work space.
10. Larger space is required for box and storage area.
11. Ceiling in inventory area is too low.
12. The only current meeting space in this building is the Break/Lunch/EOC area. If this space needs to be used as the EOC then there will be no break area or meeting area available.
13. Existing EOC will contain 10 people when in operation and it is not known if this space will be adequate. The EOC room is not accessible in terms of ADA compliance.
14. Current Break Room lacks a cooktop.
15. Staff office space in this building is separated from other office functions in other buildings on the campus and this makes team work difficult.
16. The existing roof leaks.
17. There is no ADA access to the second floor.
18. The existing lighting is not adequate throughout the building.
19. Building currently serves as the central delivery hub for the campus and lacks a dedicated delivery area.
20. Building lacks adequate Hazardous Storage area.

### **CASp Survey:**

1. First floor is not compliant in doors, door clearances, entrances, corridors, path of travel, Toilet Rooms, and many other elements.
2. All Stairs and handrails to the second floor are not compliant.

3. The second floor is not compliant in doors, door clearances, entrances, corridors, path of travel, Toilet Rooms, floor height transitions, break room elements, and any other elements.
4. There is no current path of travel from the First to the Second floor.

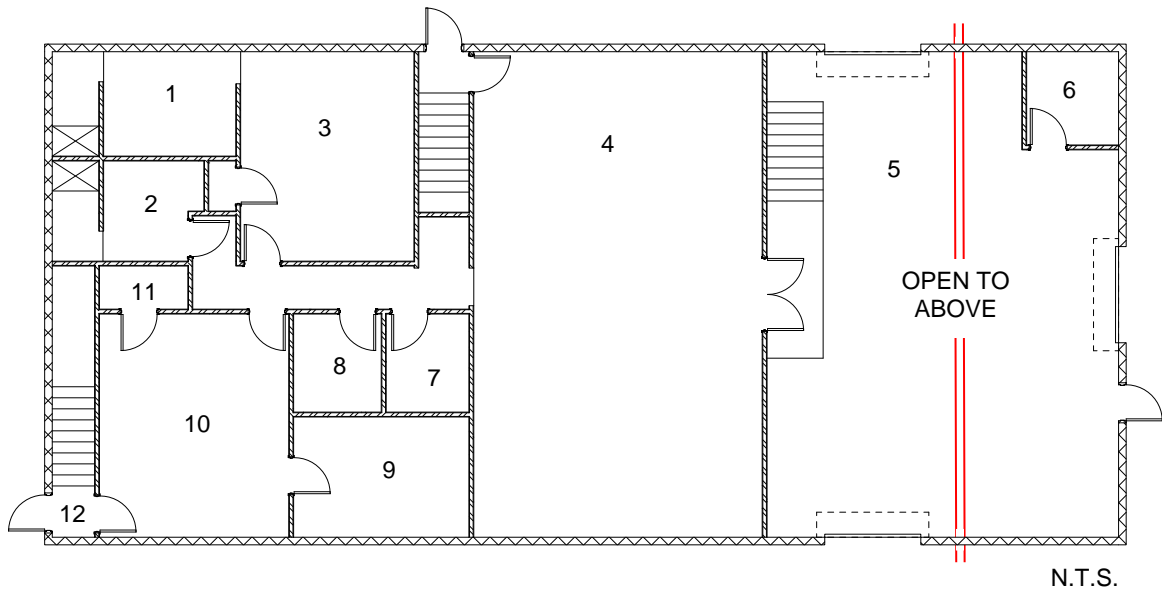
**Electrical Survey:**

1. Existing Sub Panels need to be replaced.
2. Existing lighting needs to be replaced with LED.
3. Existing Fire Alarm System and Data/Communications systems need to be run in conduit. Currently exposed.
4. Existing Intrusion Alert system needs to be updated.
5. Existing low voltage wiring needs separate closet.
6. Existing electrical closet needs reorganization.

**Mechanical and Plumbing Survey:**

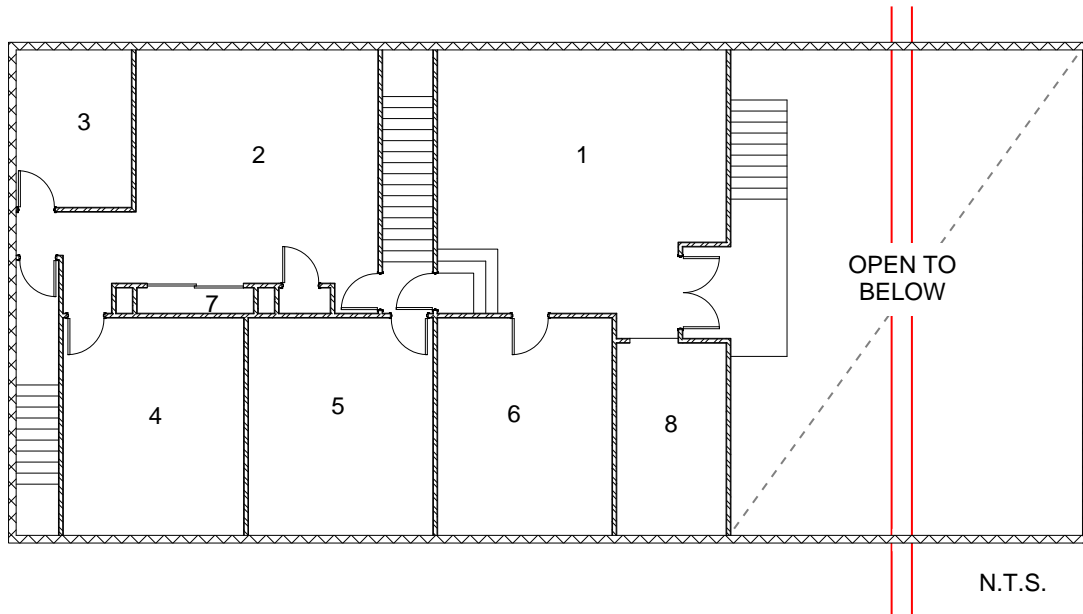
1. Existing HVAC system needs to be replaced.
2. Existing HVAC system allows for noise transfer between offices.
3. The existing shop area has no welding exhaust.
4. Lack of water efficient plumbing fixtures, replace.
5. Lack of ADA compliant fixtures, replace.
6. Building lacks a sprinkler system.

## EXISTING ENGINEERING AND MAINTENANCE FIRST FLOOR



ENGINEERING AND MAINTAINANCE		
	USABLE BUILDING SF	
	FIRST FLOOR	4912
1	TOILET ROOM 1	187
2	TOILET ROOM 2	158
3	LOCKER ROOM	307
4	PARTS	897
5	SHOP	2500
6	COMPRESSOR ROOM	109
7	CLOSET 1	60
8	CLOSET 2	60
9	OFFICE 2	150
10	OFFICE 3	270
11	VESTIBULE	36.5
12	CIRCULATION AND WALLS	177.5
	<b>TOTAL FIRST FLOOR</b>	<b>4912</b>

## EXISTING ENGINEERING AND MAINTENANCE SECOND FLOOR



ENGINEERING AND MAINTAINANCE		
	USABLE BUILDING SF	
	SECOND FLOOR	2400
1	BREAK ROOM	492
2	GROUP OFFICE	440
3	OFFICE 1	123
4	OFFICE 2	255
5	OFFICE 3	266.00
6	OFFICE 4	253
7	STORAGE	40
8	PLAN ROOM	148
	CIRCULATION AND WALLS	383
	<b>TOTAL SECOND FLOOR</b>	<b>2400</b>



**Old Shop/Storage:** (This building is scheduled for demolition due to life safety issues)

**The Old Shop/Storage:**

The Old Shop is located at the far south end of the campus. It is constructed of wood and has been deemed unsound due to failure of the existing wood trusses and will be demolished. Currently it holds equipment waiting to be moved into storage containers until another location can be provided. Adjacent to this covered storage is an exterior, uncovered storage area or boneyard for large weatherproof items. Please refer to the CASp Survey and the Mechanical and Electrical reports for more information.

**Staff Surveys:**

1. The existing building is unsafe due to failure of existing trusses.
2. Existing outdoor storage is adequate in size but too remote from other areas.
3. Covered outdoor storage is needed.
4. There is a need for VAC containment.

Due to planned demolition, this building was not evaluated by Mechanical, Electrical, Plumbing or Accessibility.

OPTIONS "A, B, &C"



### **Campus Description and Proposed Alternatives**

The Campus is divided by overall function into separate buildings. Although there is some overlap of function between buildings and areas, there is a strong perception by both the staff and visitors/customers that the individual buildings are dedicated to the differing operations of the facility.

The existing San Juan Water District Facility is adjacent to Folsom Lake at approximately south, south west side of the lake. It processes drinking water for 5 water districts. They are; San Juan Water District, City of Folsom, Citrus Heights Water District, Orange Vale Water Company and Fair Oaks Water District. The site contains some paved and some unpaved roads. Also located on the site are a number of other buildings that were not a part of this evaluation.

There are dedicated parking areas adjacent to the Administration Building and the Engineering /Maintenance Building. There is also room for parking and deliveries within the secure area of the WTP. A gate with security protocols controls access to the WTP building and surrounding areas. Existing site lighting is HDL lighting on light poles. The site is mostly level but slopes from the north to the south. This slope is more pronounced at the northern end of the site where the Administration Building is located. This change in elevation is responsible for some of the accessibility issues at the Administration Building parking and entrance.

There is a small monument sign at the south entrance. This is the entrance that is furthest from the Administration Building. The campus has no wayfinding system or signage within the site. There is a second entrance/exit from the site to the north along Auburn Folsom Road. This entrance is covered by a rolling gate and is used for exiting only, mostly by staff headed north. For the most part staff prefers to use the south entrance/exit since it has a traffic light and allows for access to both directions of Auburn Folsom Road.

ArchNexus has compiled three different approaches to upgrading and modernizing the SJWD Campus. They range from minimal work at a couple of selected areas to a campus wide plan. There are a range of construction costs associated with each of the three solutions Nexus proposes. The following lists the three options, "A", "B" and "C" and the items included in each. Our recommendation in the Executive Summary is for option "B". All costs are in today's dollars. We have included a 20% contingency for all work in the rough order of magnitude construction costs.

**Option A:**

Option “A” calls for the required code violations and associated work to be mitigated along with general upgrades as described below.

**Administration Building**

- ADA compliance of existing building and site
- New HVAC system
- Upgrade Electrical System and lighting
- Insulate exterior walls and ceiling
- Install insulated windows throughout
- Replace existing damaged ceiling system

**WTP**

- Provide the minimal required Electrical and Mechanical upgrades

**Old Shop/Storage**

- Remove existing Old Shop/Storage Building and replace with a new 4,500 sf Metal Building.

**Engineering/Maintenance Building**

- Upgrade the existing electrical systems as required for code compliance
- Upgrade the existing HVAC system as recommended
- Bring the existing first floor bathrooms into compliance with the ADA

**The estimated construction budget for option “A”:**

**Administration Building (4,576 sf total):**

Est. Cost of New Electrical Work:	\$ 91,500	\$20/sf
Est. Cost of new Plumbing Work:	\$ 30,000	\$2,000/fixture and finishes
Est. Cost of new Mechanical Work:	\$ 86,900	\$19/sf
Site, including ADA work, Path of Travel: at front and back of site.	\$ 100,000	
Est. Cost of Interior Renovations & ADA work	\$ 150,000	
<b>Subtotal without contingency</b>	<b>\$ 458,400</b>	

**New Shop to replace Old Shop/Storage (4,500 sf):**

Demolition of Existing Building	\$ 15,000	\$3/sf
Shop/Storage New Construction (4,500sf)	\$ 450,000	\$100/sf
Site at New Metal Building	\$ 112,500	25% of construction costs
<b>Subtotal Without Contingency</b>	<b>\$ 577,500</b>	

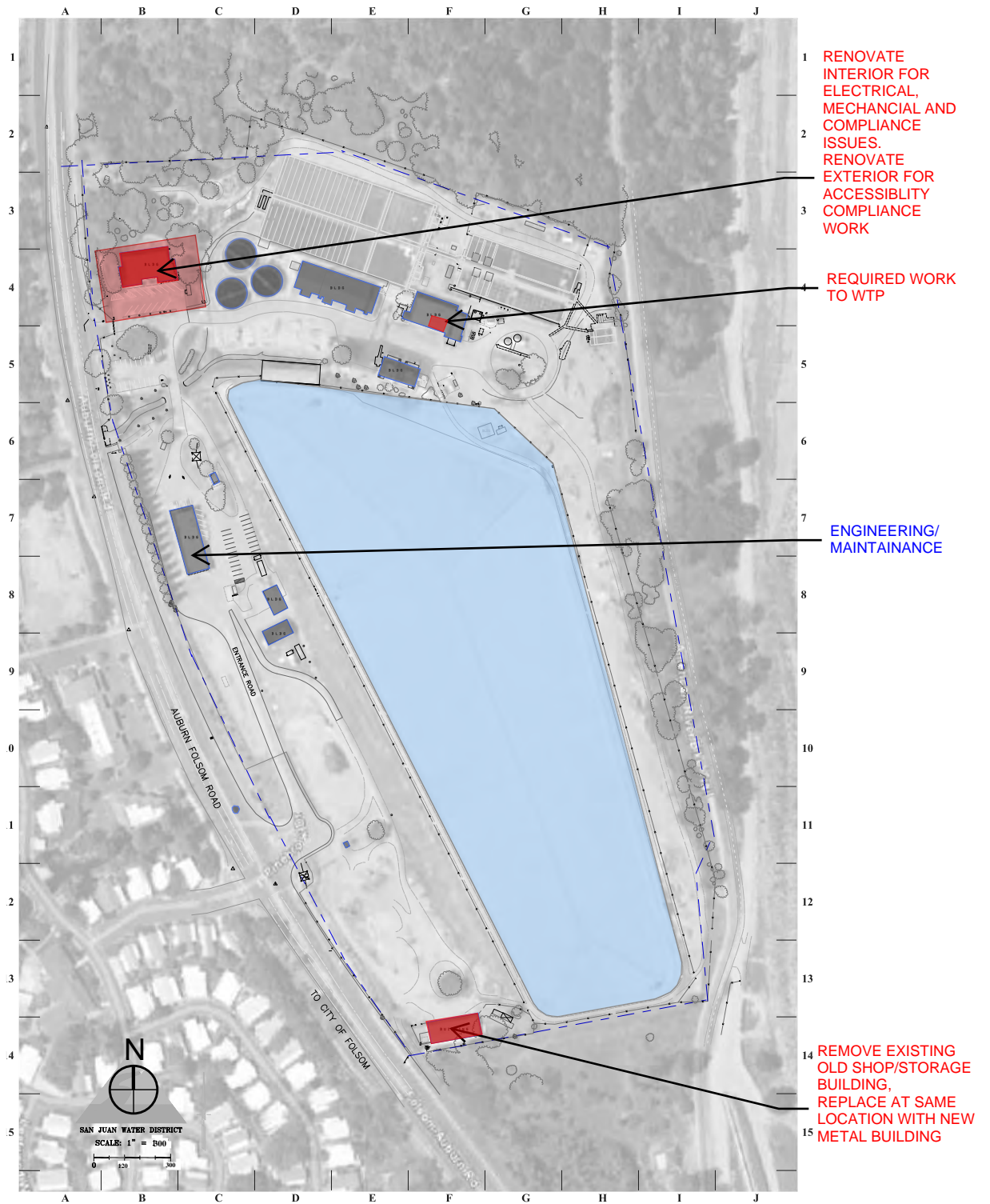
**WTP (9,794 sf total):**

Est. Cost of New Electrical Work:	\$ 13,500	\$25/sf
Est. Cost of new Plumbing Work:	\$ 20,000	\$2,000/fixture
Est. Cost of new Mechanical Work:	\$ 114,000	\$28/sf Upstairs
	\$ 12,500	\$13/sf Downstairs
Est. Cost of Sprinkler System:	\$ 59,000	\$6/sf
<u>Est. Cost of Interior Renovation</u>	<u>\$ 137,000</u>	<u>\$100/sf</u>
<b>Subtotal Without Contingency</b>	<b>\$ 356,000</b>	

**Engineering and Maintenance (7,312 sf):**

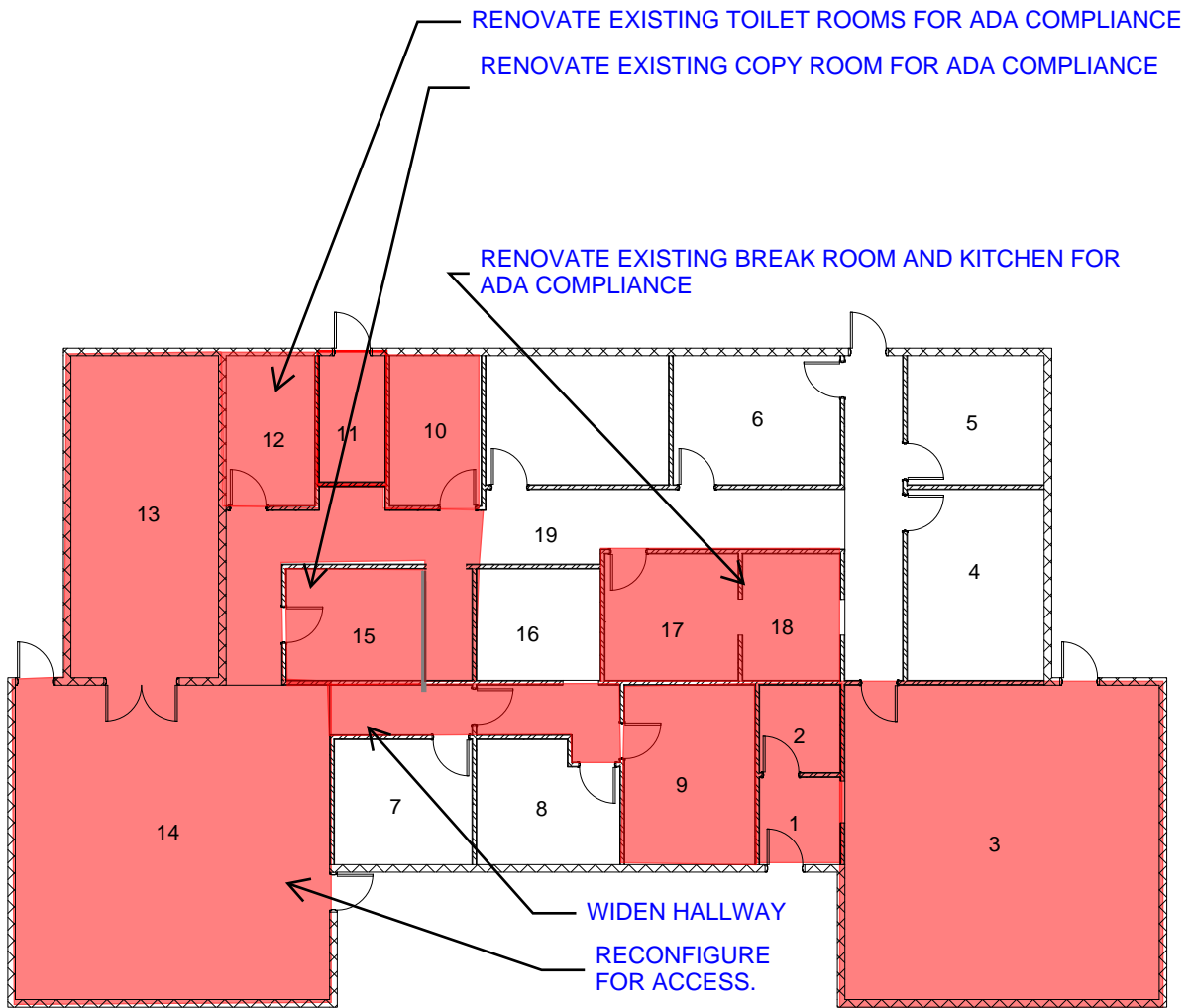
Est. Cost of New Electrical Work:	\$ 88,000	\$12/sf
Est. Cost of new Plumbing Work:	\$ 40,000	\$2,000/fixture and finishes
Est. Cost of new Mechanical Work:	\$ 205,000	\$28/sf
Est. Cost of Sprinkler System:	\$ 44,000	\$6/sf
<u>Miscellaneous Interior Work:</u>	<u>\$ 40,000</u>	<u>\$200/sf</u>
<b>Subtotal Without Contingency</b>	<b>\$ 417,000</b>	

Subtotal of All Buildings:	\$1,808,900
<u>Contingency (20%):</u>	<u>\$ 361,780</u>
<b>Estimated Total Cost of Work:</b>	<b>\$2,170,680</b>



## OPTION "A" SAN JUAN WATER DISTRICT FACILITY PROPOSED EXTENT OF WORK

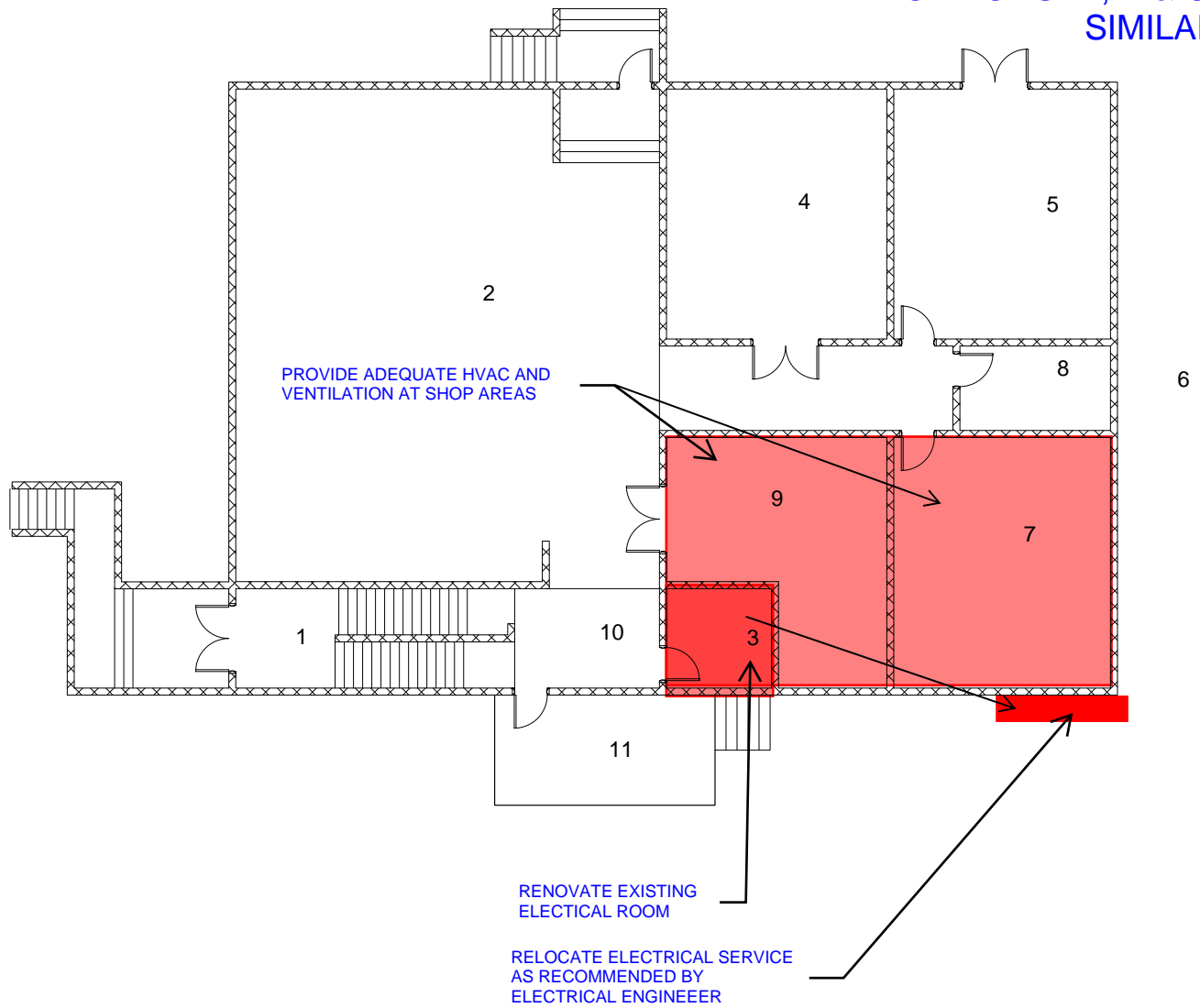
- BUILDING WORK
- SITE WORK



**OPTION "A"**  
**ADMINISTRATION BUILDING**  
**FIRST FLOOR PLAN**

ADMINISTRATION BUILDING		
	AREA TO BE RENOVATED	SF
1	VESTIBULE	40.5
2	JANITOR	71.2
3	BOARD ROOM	698.6
9	GM OFFICE	194.7
10	WOMENS ROOM	121
11	MECHANICAL	60.8
12	MEN'S ROOM	104.3
13	VAULT	323.3
14	OPEN OFFICE	698.7
15	COPY ROOM A	93.5
16	COPY ROOM B	95.8
17	BREAK ROOM	106.6
18	KITCHEN	97.5
19	CIRCULATION	260
	<b>AREA TO BE RENOVATED</b>	<b>2966.5</b>
	<b>TOTAL ALL SPACE</b>	<b>4576.5</b>

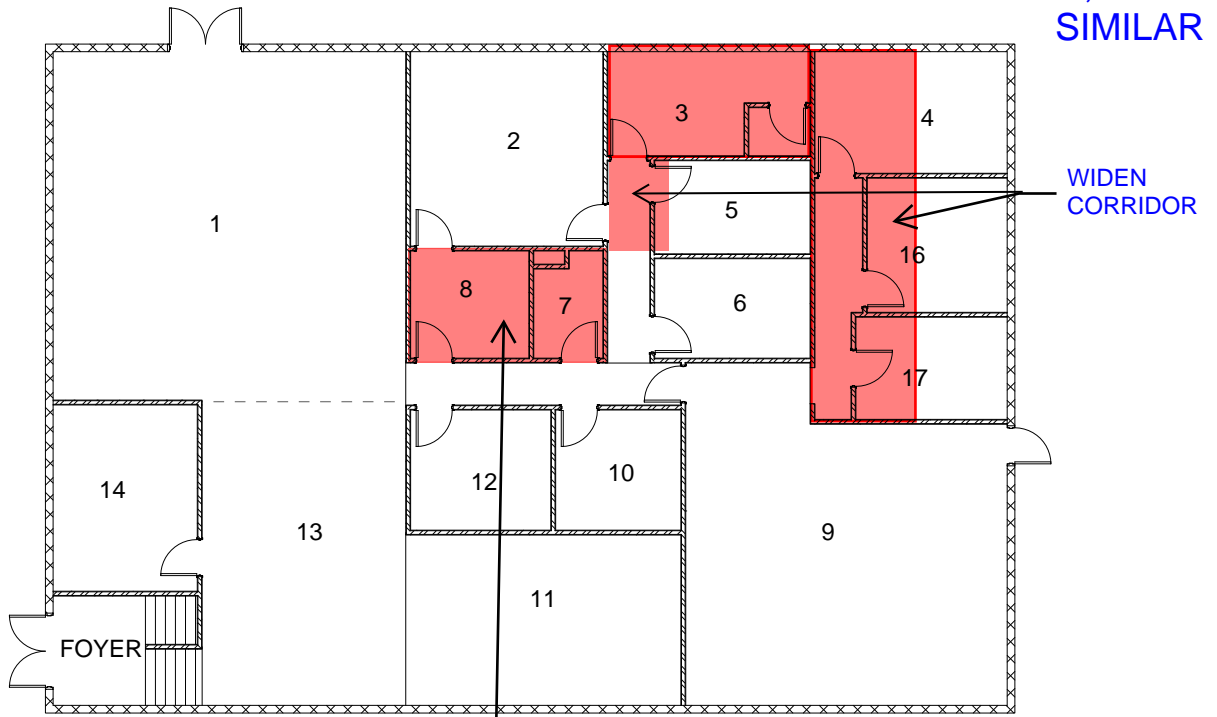
REQUIRED RENOVATIONS TO WTP  
 FIRST FLOOR  
 OPTIONS "A, B & C"  
 SIMILAR



WATER TREATMENT	
SPACES TO BE RENOVATED	SF
TOTAL FIRST FLOOR AREA	5738
ROOM 3	62
ROOM 7	361
ROOM 9	540.5
<b>AREA TO BE RENOVATED</b>	<b>963.5</b>

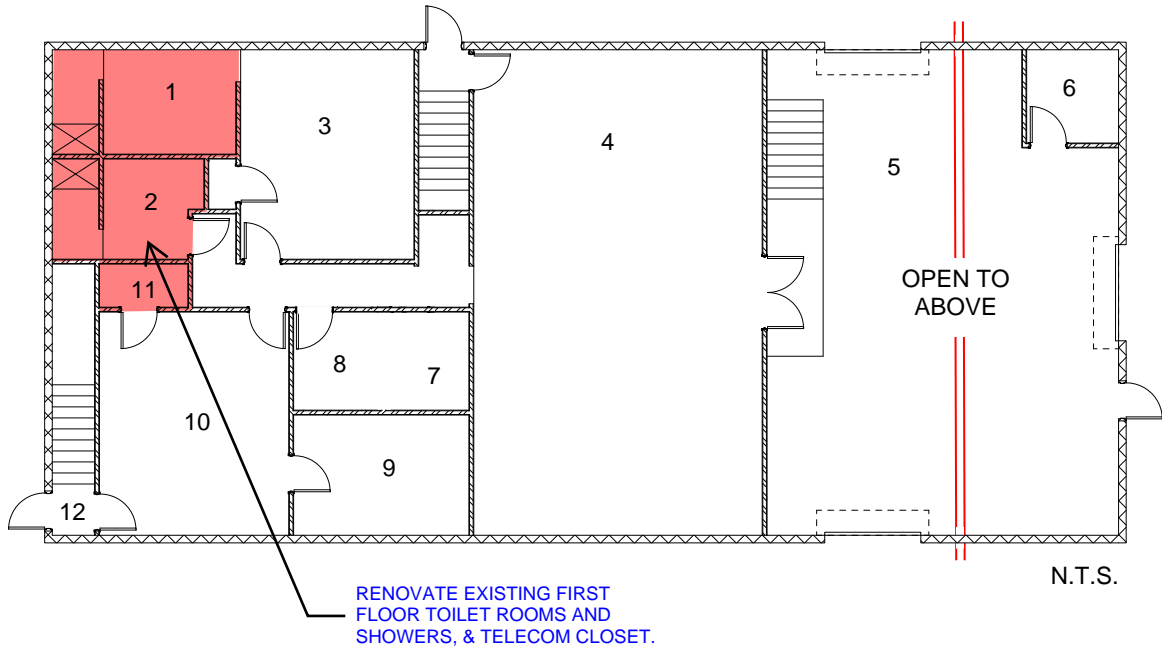


REQUIRED RENOVATIONS TO WTP  
SECOND FLOOR  
OPTIONS "A, B & C"  
SIMILAR



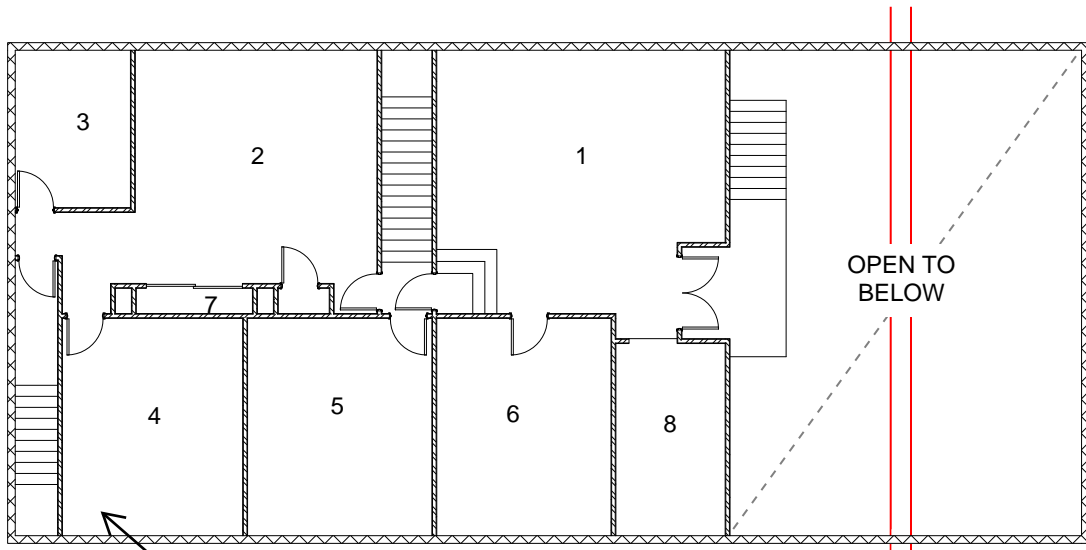
RENOVATE EXISTING SECOND FLOOR AREAS OF BUILDING TO CORRECT REQUIRED ELECTRICAL, SERVER ROOM, ACCESSIBILITY CODE VIOLATIONS

WATER TREATMENT	
SPACES TO BE RENOVATED	SF
<b>TOTAL SECOND FLOOR AREA</b>	<b>4056</b>
ROOM 3	127
ROOM 4	50
ROOM 7	50
ROOM 8	90
ROOM 16	50
ROOM 17	50
<b>AREA TO BE RENOVATED</b>	<b>417</b>



## ENGINEERING & MAINTENANCE FIRST FLOOR OPTION "A"

ENGINEERING AND MAINTENANCE		
	SPACES TO BE RENOVATED	SF
	TOTAL FIRST FLOOR AREA	4912
1	TOILET ROOM 1	187
2	TOILET ROOM 2	158
10	OFFICE 3	270
11	VESTIBULE	36.5
	<b>TOTAL FIRST FLOOR</b>	<b>651.5</b>



RENOVATE EXISTING HVAC  
SYSTEM  
AT SECOND FLOOR  
NO OTHER  
RENOVATIONS FOR THIS  
OPTION

**ENGINEERING & MAINTENANCE  
SECOND FLOOR  
OPTION "A"**

**Option B:**

Option “B” calls for the same scope of work as outlined above in option “A” including a new addition of 1,296 sf to the existing building. It also recommends repurposing the existing Engineering and Maintenance Building as the new Storage Building and Building a new Engineering and Maintenance Building:

**Administration Building**

- ADA compliance of existing building and site
- New HVAC system
- Upgrade Electrical System and lighting
- Insulate exterior walls and ceiling
- Install insulated windows throughout
- Replace existing damaged ceiling system
- New 1,300 sf Addition to the existing building

**WTP**

Provide the minimal required Mechanical and Electrical upgrades.

**Old Shop/Storage**

- Remove existing Old Shop/Storage Building

**Engineering and Maintenance Building to become new Storage Building (See page 45)**

- Renovate the existing Engineering and Maintenance Building to become the new Storage Building (7,312 sf)

**New Engineering and Maintenance Building**

- Build a new 8,000 sf Engineering and Maintenance Building

**The estimated construction budget for option “B”:**

**Existing Administration Building (4,576 sf total):**

Est. Cost of New Electrical Work:	\$ 91,500	\$20/sf
Est. Cost of new Plumbing Work:	\$ 30,000	\$2,000/fixture and finishes
Est. Cost of new Mechanical Work:	\$ 86,900	\$19/sf
Site, including ADA work: at front and back of site.	\$ 100,000	
Est. Cost of Interior Renovations & ADA work	\$ 150,000	

**Proposed Addition (1,300 sf):** \$ 325,000     \$250/sf

**Subtotal without contingency** **\$ 783,400**

**Old Shop/Storage (4,500 sf):**

Demolition of Existing Building	\$ 15,000	\$3/sf
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**Subtotal Without Contingency** **\$ 15,000**

**Renovate Engineering and Maintenance to become New Storage (7,312 sf):**

Est. Cost of New Electrical Work:	\$ 50,000	\$12/sf
Est. Cost of new Plumbing Work:	\$ 40,000	\$2,000/fixture
Est. Cost of new Mechanical Work:	\$ 100,000	\$28/sf
Est. Cost of Sprinkler System:	\$ 44,000	\$6/sf
Est. Cost of Interior Work:	\$ 40,000	

**Subtotal Without Contingency** **\$ 274,000**

**WTP (9,794 sf total):**

Est. Cost of New Electrical Work:	\$ 13,500	\$25/sf
Est. Cost of new Plumbing Work:	\$ 40,000	\$2,000/fixture
Est. Cost of new Mechanical Work:	\$ 114,000	\$28/sf Upstairs
	\$ 12,500	\$13/sf Downstairs
Est. Cost of Sprinkler System:	\$ 59,000	\$6/sf
Miscellaneous Interior Work	\$ 137,000	\$100/sf

**Subtotal Without Contingency** **\$ 376,000**

**New Engineering and Maintenance (8,000sf)**

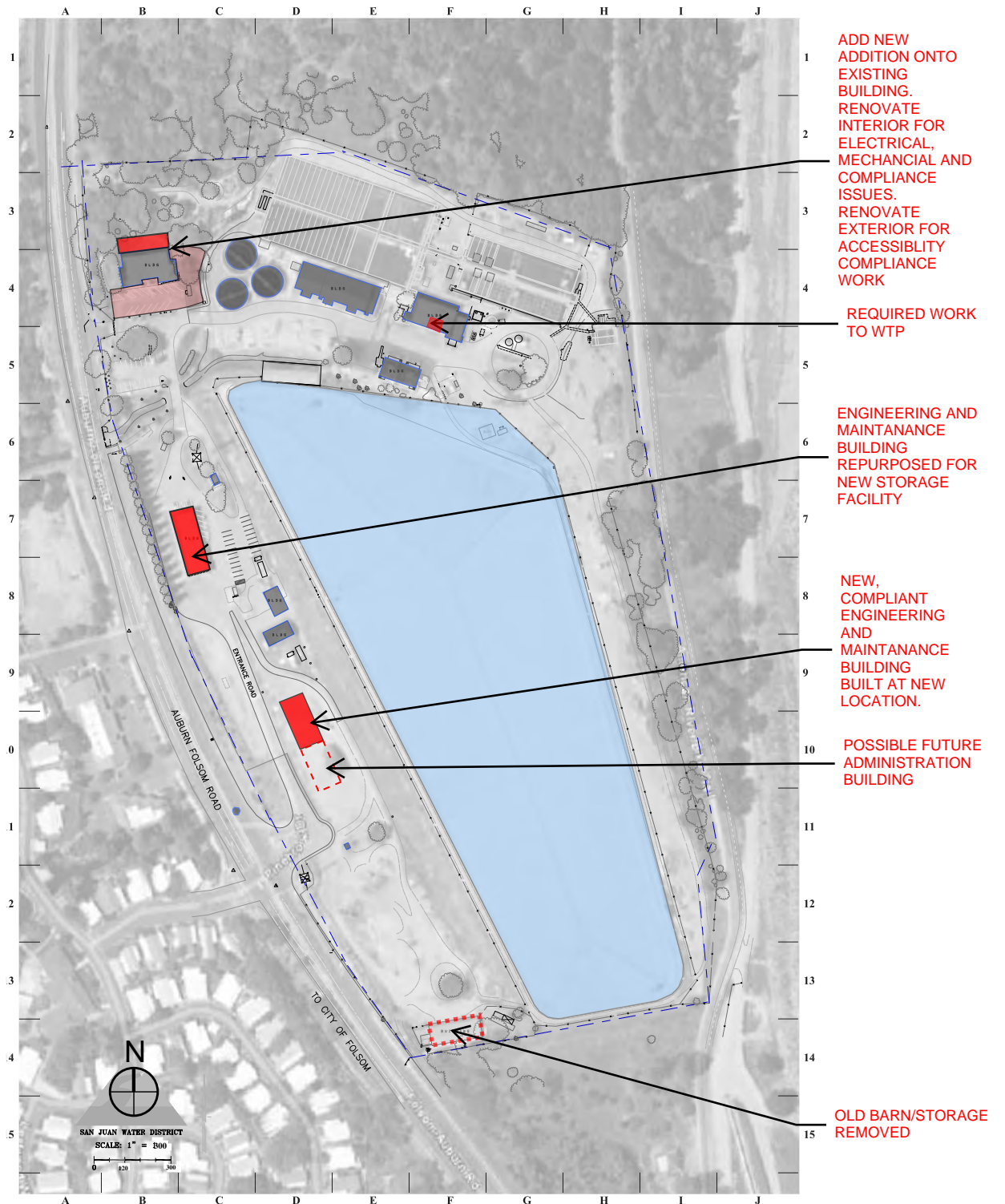
Building Cost:	\$1,680,000	\$210/sf
Site Cost:	\$ 420,000	25% of Building Costs

**Subtotal Without Contingency** **\$2,100,000**

Subtotal of All Buildings: \$3,548,400

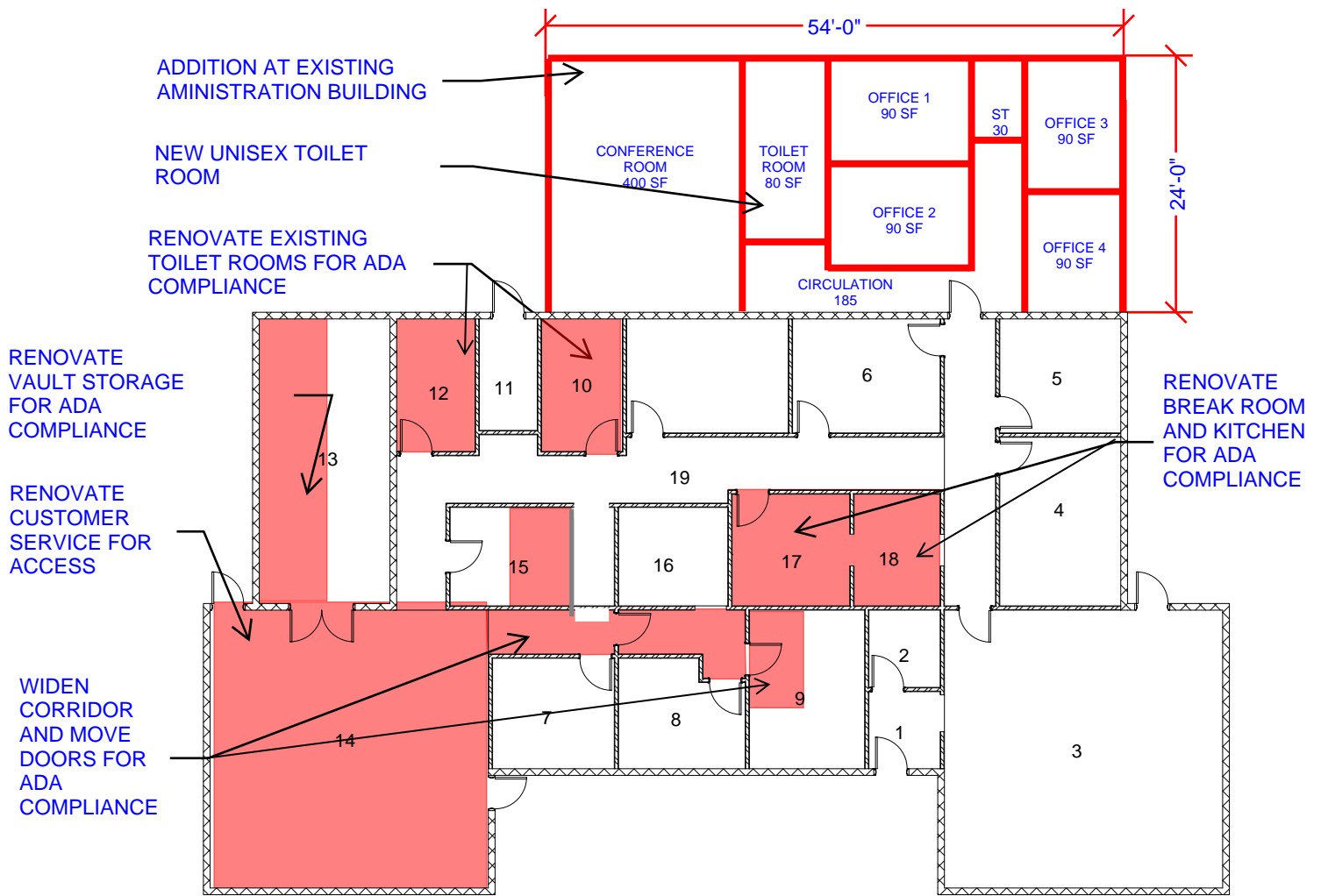
Contingency (20%): \$ 709,680

**Estimated total cost of work:** **\$4,258,080**



## OPTION "B" SAN JUAN WATER DISTRICT FACILITY PROPOSED EXTENT OF WORK

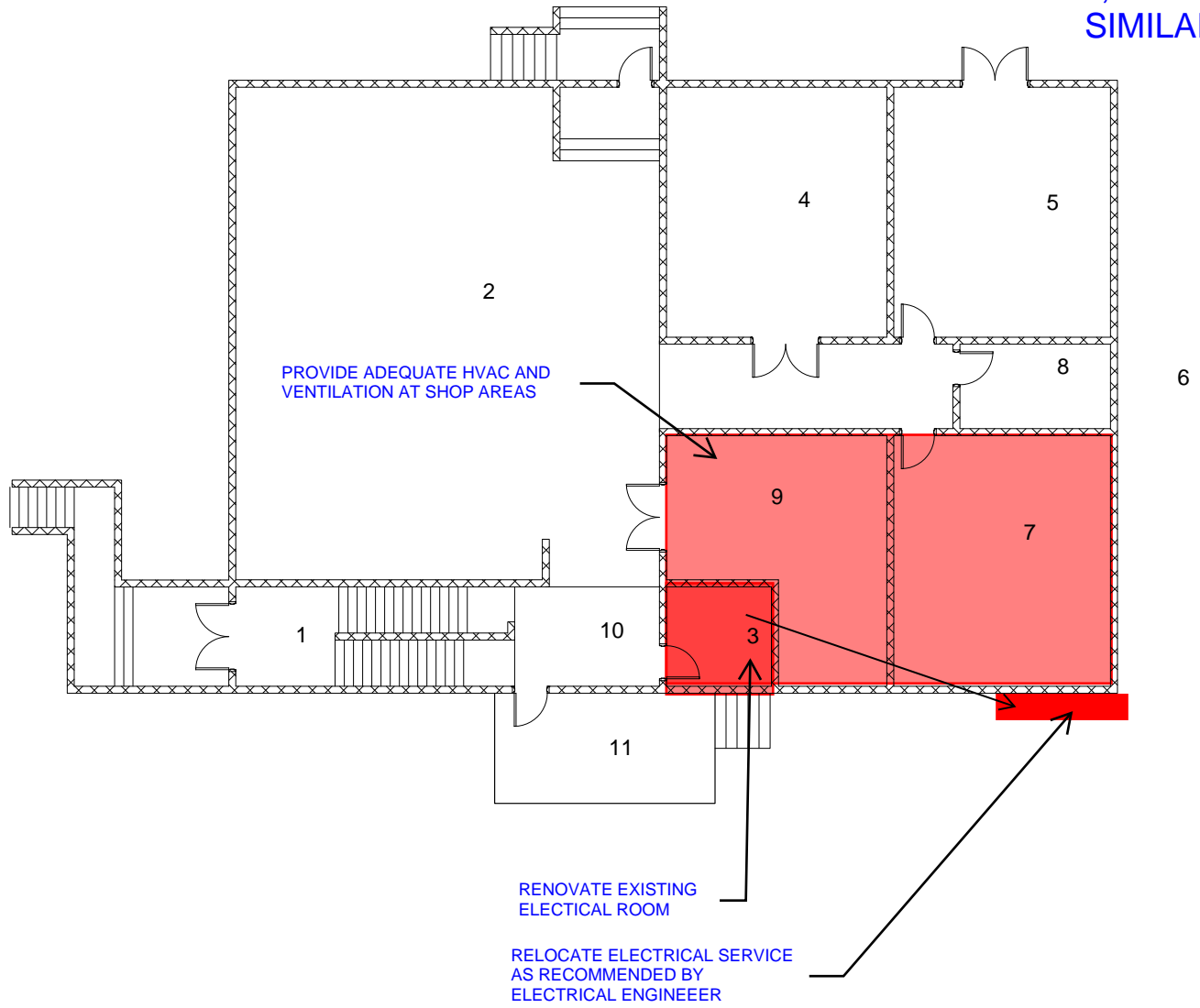
- BUILDING WORK
- SITE WORK
- FUTURE WORK



**OPTION "B"  
ADMINISTRATION BUILDING  
FIRST FLOOR PLAN**

ADMINISTRATION BUILDING		
	AREA TO BE RENOVATED	SF
9	GM OFFICE	30
10	WOMENS ROOM	121
12	MEN'S ROOM	104.3
13	VAULT	160
14	OPEN OFFICE	698.7
15	COPY ROOM A	50
17	BREAK ROOM	106.6
18	KITCHEN	97.5
19	CIRCULATION	260
NEW	ADDITION	1080
	AREA TO BE RENOVATED	1628.1
	AREA TO BE ADDED	1,300
	TOTAL AREA OF WORK	2,928
	NEW BUILDING TOTAL	5,876

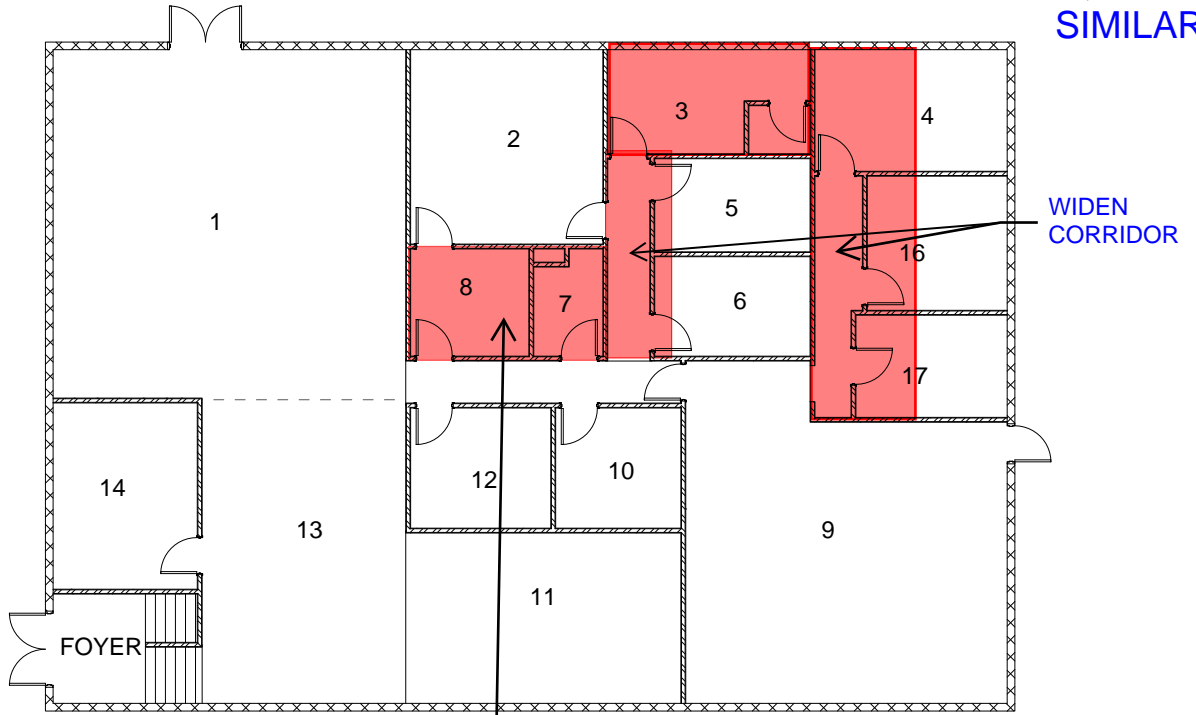
REQUIRED RENOVATIONS TO WTP  
 FIRST FLOOR  
 OPTIONS "A, B & C"  
 SIMILAR



WATER TREATMENT	
SPACES TO BE RENOVATED	SF
TOTAL FIRST FLOOR AREA	5738
ROOM 3	62
ROOM 7	361
ROOM 9	540.5
<b>AREA TO BE RENOVATED</b>	<b>963.5</b>

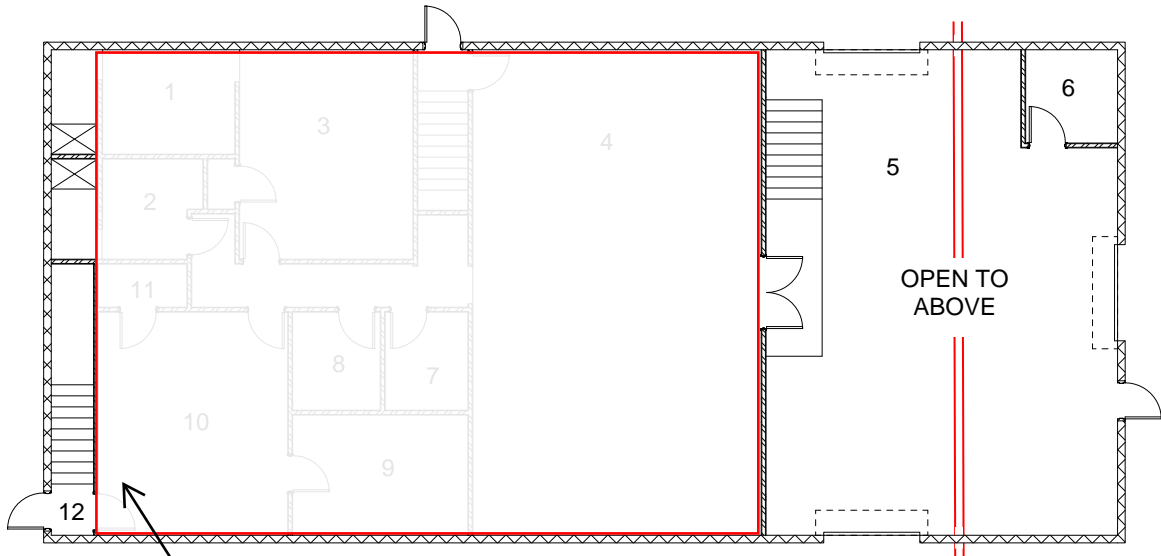


REQUIRED RENOVATIONS TO WTP  
 SECOND FLOOR  
 OPTIONS "A, B & C"  
 SIMILAR



RENOVATE EXISTING SECOND FLOOR AREAS OF BUILDING TO CORRECT REQUIRED ELECTRICAL, SERVER ROOM, ACCESSIBILITY CODE VIOLATIONS SUCH AS ELECTRICAL PANEL ADJACENT TO WATER SOURCE.

WATER TREATMENT	
SPACES TO BE RENOVATED	SF
<b>TOTAL SECOND FLOOR AREA</b>	<b>4056</b>
ROOM 3	127
ROOM 4	50
ROOM 7	50
ROOM 8	90
ROOM 16	50
ROOM 17	50
<b>AREA TO BE RENOVATED</b>	<b>417</b>

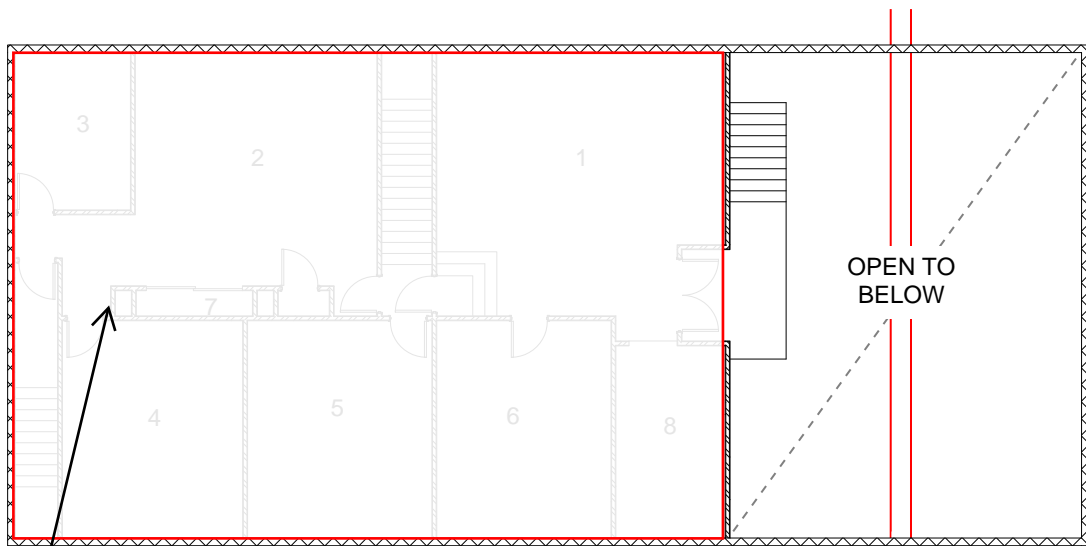


REPURPOSE THE EXISTING FIRST FLOOR FOR EQUIPMENT AND MATERIALS STORAGE, BY REMOVING NON STRUCTURAL PARTITIONS.

N.T.S.

## ENGINEERING & MAINTENANCE FIRST FLOOR OPTION "B & C" SIMILAR

FACILITIES AND MAINTAINANCE		
	USABLE BUILDING SF	
	TOTAL FIRST FLOOR AREA	4912
1	TOILET ROOM 1	187
2	TOILET ROOM 2	158
3	LOCKER ROOM	307
4	PARTS	897
5	SHOP	80
6	COMPRESSOR ROOM	109
7	CLOSET 1	60
8	CLOSET 2	60
9	OFFICE 2	150
10	OFFICE 3	270
11	VESTIBULE	36.5
12	CIRCULATION AND WALLS	177.5
	TOTAL FIRST FLOOR	2492



REPURPOSE THE EXISTING FIRST FLOOR FOR EQUIPMENT AND MATERIALS STORAGE, BY REMOVING NON STRUCTURAL PARTITIONS.

**ENGINEERING & MAINTENANCE  
SECOND FLOOR  
OPTION "B&C"  
SIMILAR**

FACILITIES AND MAINTAINANCE		
	USABLE BUILDING SF	
	SECOND FLOOR	2400
1	BREAK ROOM	492
2	GROUP OFFICE	440
3	OFFICE 1	123
4	OFFICE 2	255
5	OFFICE 3	266.00
6	OFFICE 4	253
7	STORAGE	40
8	PLAN ROOM	148
	ELEVATOR	80
	<b>TOTAL SECOND FLOOR</b>	<b>2097</b>

### **Option C:**

Option “C” includes a new centralized Administration building that houses much of the staff as well as the Engineering/Maintenance function. It assumes that the local code official will not require SJWD to provide ADA access to the second floor of the WTP. If this assumption is incorrect, and SJWD will have to provide this amenity, assume an additional \$250,000 for that work.

#### **Administration Building**

- This option holds an allowance for selective renovations to this building

#### **WTP**

- Provide all recommended and required Mechanical and Electrical upgrades.
- Provide new lockers at first floor
- Provide new storage racks at outdoor storage area at first floor
- Renovate the existing second floor offices, IT area, Locker Room, Toilet Room, and corridors to fully comply with all recommendations and staff requests including a larger IT room, offices with windows for those who would like them, Unisex Shower and Toilet area, adequate technology and meeting space.

#### **Old Shop/Storage**

- Remove existing Old Shop/Storage Building

#### **Engineering and Maintenance Building to become new Storage Building**

- Renovate the existing Engineering and Maintenance Building to become the new Storage Building

#### **New Administration, Engineering and Maintenance Building**

- Build a new 18,000 sf Administration, Engineering and Maintenance Building including new parking and sidewalks

#### **Site Work**

- A new comprehensive wayfinding and signage system for the entire site
- Replace all existing non LED light fixtures with LED light fixtures, reuse existing light poles wherever possible

**The estimated construction cost for option “C”:**

**Renovate Existing Administration Building to become overflow space (4,576 sf total):**

Est. Cost of New Electrical Work:	\$ 91,500	\$20/sf
Est. Cost of new Plumbing Work:	\$ 30,000	\$2,000/fixtures and finishes
Est. Cost of new Mechanical Work:	\$ 86,900	\$19/sf
Site, including ADA work: at front and back of site.	\$ 100,000	
Est. Cost of Interior Renovations & ADA work	\$ 80,000	Allowance
<b>Subtotal without contingency</b>	<b>\$ 388,400</b>	

**Old Shop/Storage (4,500 sf):**

<u>Demolition of Existing Building</u>	<u>\$ 15,000</u>	<u>\$3/sf</u>
<b>Subtotal Without Contingency</b>	<b>\$ 15,000</b>	

**Renovate Engineering and Maintenance to become New Storage (7,312 sf):**

Est. Cost of New Electrical Work:	\$ 50,000	\$12/sf
Est. Cost of new Plumbing Work:	\$ 40,000	\$2,000/fixture and finishes
Est. Cost of new Mechanical Work:	\$ 100,000	\$28/sf
Est. Cost of Sprinkler System:	\$ 44,000	\$6/sf
Est. Cost of Interior Work:	\$ 40,000	\$100/sf
<b>Subtotal Without Contingency</b>	<b>\$ 274,000</b>	

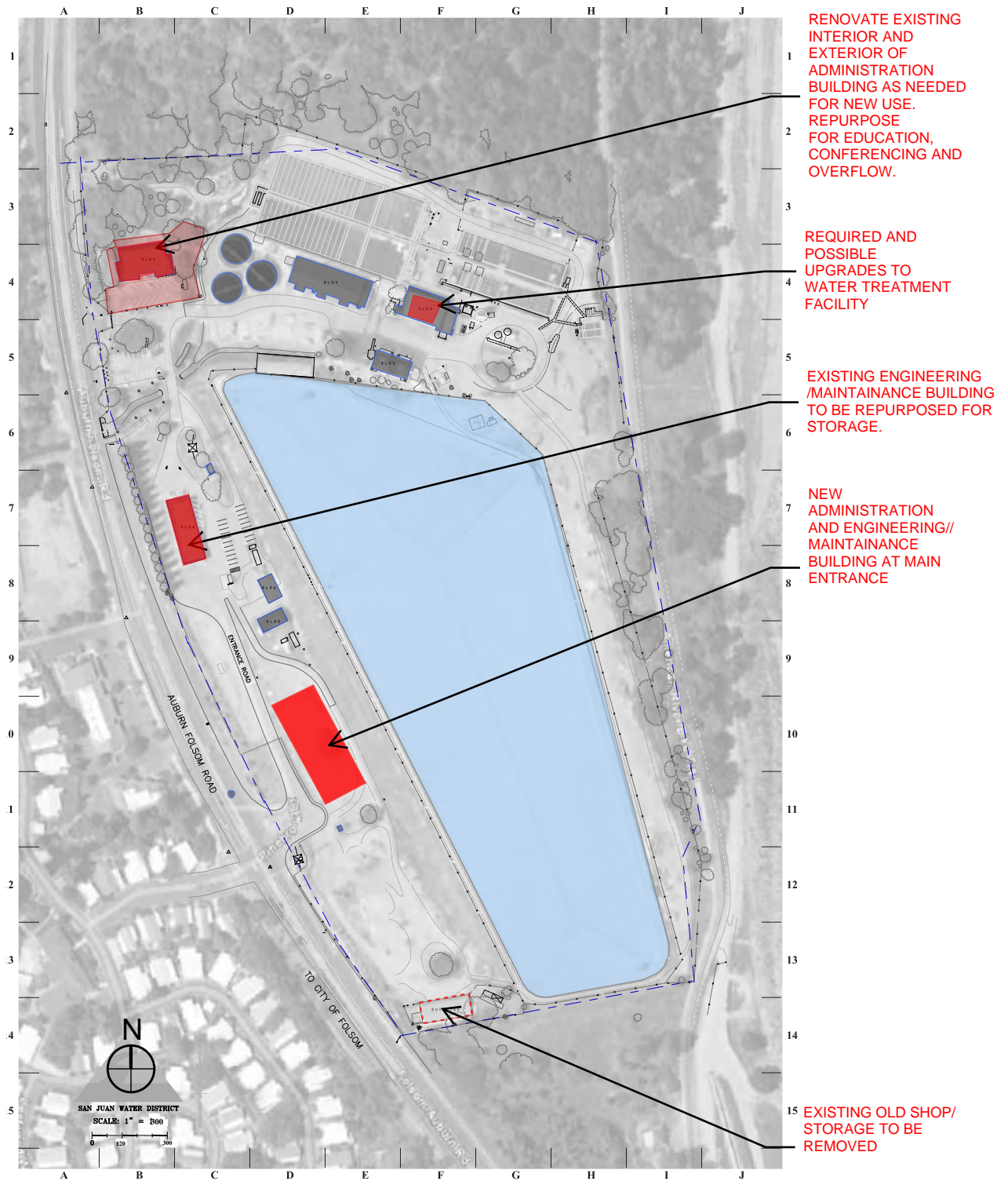
**WTP (9,794 sf total):**

Est. Cost of New Electrical Work:	\$ 13,500	\$25/sf
Est. Cost of new Plumbing Work:	\$ 40,000	\$2,000/fixture
Est. Cost of new Mechanical Work:	\$ 114,000	\$28/sf Upstairs
	\$ 12,500	\$13/sf Downstairs
Est. Cost of Sprinkler System:	\$ 59,000	\$6/sf
Est. Cost of Interior Renovation:	\$ 35,000	Allowance Downstairs
Est. Cost of Interior Renovation:	\$ 300,600	\$200/sf Upstairs
<b>Subtotal Without Contingency</b>	<b>\$ 574,600</b>	

**New Administration/Engineering and Maintenance (18,000sf):**

Building Cost:	\$3,780,000	\$210/sf
Site Cost:	\$ 945,000	25% of Building Cost
<b>Subtotal Without Contingency</b>	<b>\$4,725,000</b>	

Subtotal of All Buildings:	\$5,977,000
<u>Contingency (20%):</u>	<u>\$1,195,400</u>
<b>Estimated total cost of work:</b>	<b>\$7,172,400</b>



## OPTION "C" SAN JUAN WATER DISTRICT FACILITY PROPOSED EXTENT OF WORK

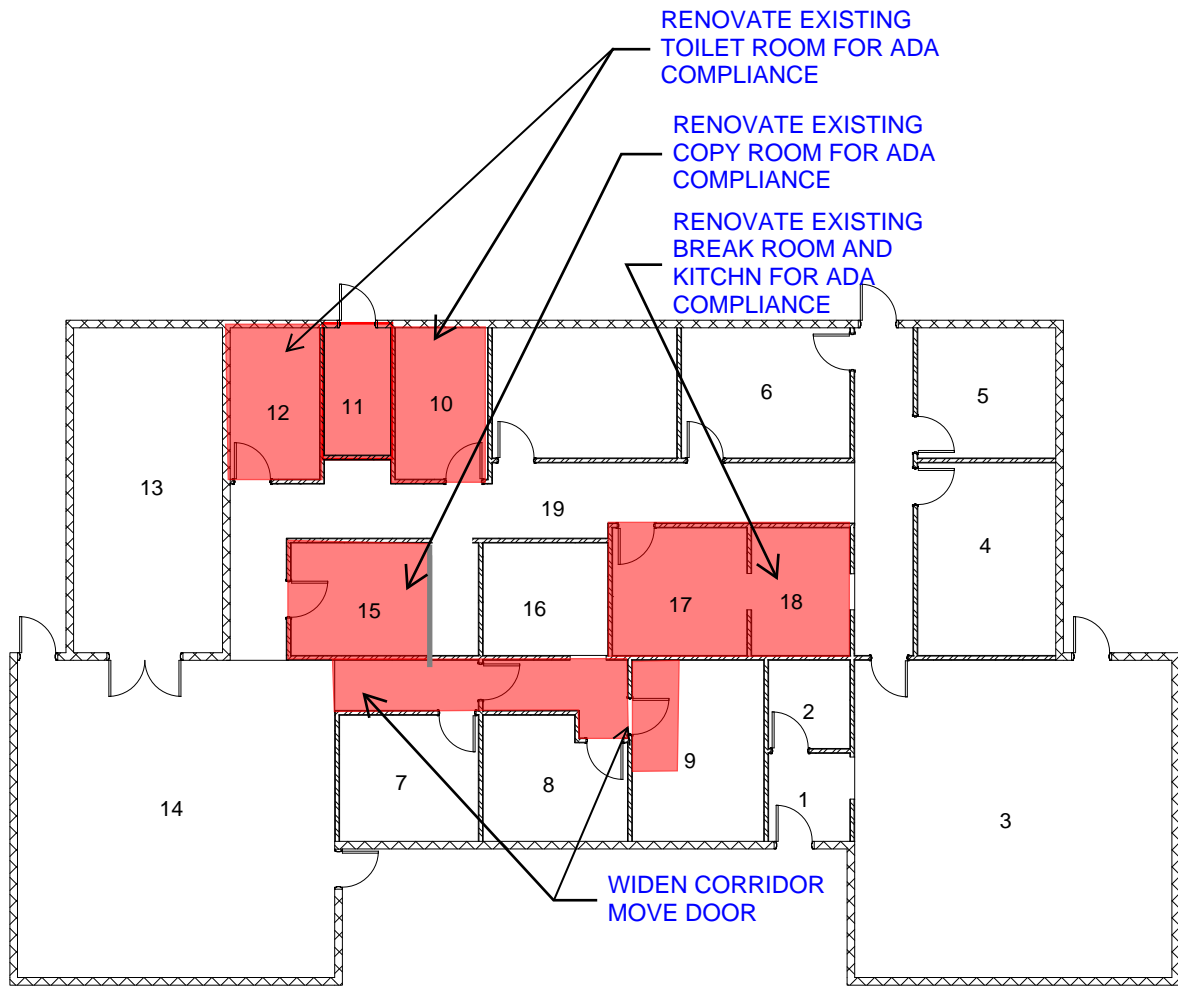
BUILDING WORK

SITE WORK

PROPOSED PROGRAM FOR A NEW  
ADMINISTRATION/ENGINEERING/MAINTAINANCE BUILDING

PROGRAM	SF
VESTIBULE	180
JANITOR	80
TOILET/SHOWER/LOCKER ROOM	210
TOILET/SHOWER/LOCKER ROOM	210
COPY ROOM	120
FIELD OFFICE 1	100
FIELD OFFICE 2	100
FIELD OFFICE 3	100
FIELD OFFICE 4	100
GENERAL STORAGE	200
RECORDS STORAGE	600
RECEPTION DESK	150
CIRCULATION	500
ELEVATOR	120
MAINTANANCE SHOP	2500
DELIVERIES	60
HAZARDOUS MATERIALS STORAGE	100
EYE WASH	40
SHOP INVENTORY	500
SHOP TOUCHDOWN/COMPUTERS	200
ELECTRICAL CLOSET	50
DATA TELECOM	100
COMMUNITY CONFERENCE ROOM	1480
TOILET ROOM	85
TOILET ROOM	85
JANITOR	60
TOILET	160
TOILET	160
COPY ROOM	70
BREAK ROOM	230
KITCHEN	100
OFFICE 1	100
OFFICE 2	100
OFFICE 3	100
OFFICE 4	100
OFFICE 6	100
OFFICE 7	100

OFFICE 8	100
OFFICE 9	100
OFFICE 10	100
OFFICE 11	100
OFFICE 12	100
OFFICE 13	100
OFFICE 14	100
OFFICE 15	100
OFFICE 16	100
OFFICE 17	100
OFFICE 18	100
OFFICE 19	100
OFFICE 20	100
OFFICE 21	100
OFFICE 22	100
OFFICE 23	100
OFFICE 24	100
OFFICE 25	100
OFFICE 26	100
OFFICE 27	100
OFFICE 28	100
OFFICE 29	100
OFFICE 30	100
TELECOM AND DATA	100
ELECTRICAL	80
GENERAL STORAGE	100
GENERAL STORAGE	200
RECORDS STORAGE	600
RECEPTION DESK	150
GROUP OFFICE	800
SMALL CONFERENCE ROOM	100
MEDIUM CONFERENCE ROOM	200
MEDIUM CONFERENCE ROOM	200
LARGE CONFERENCE ROOM/EOC	400
CIRCULATION	3300
ELEVATOR	120
<b>NEW ADMIN/ENGINEERING/MAINTAINANCE BUILDING</b>	18,000

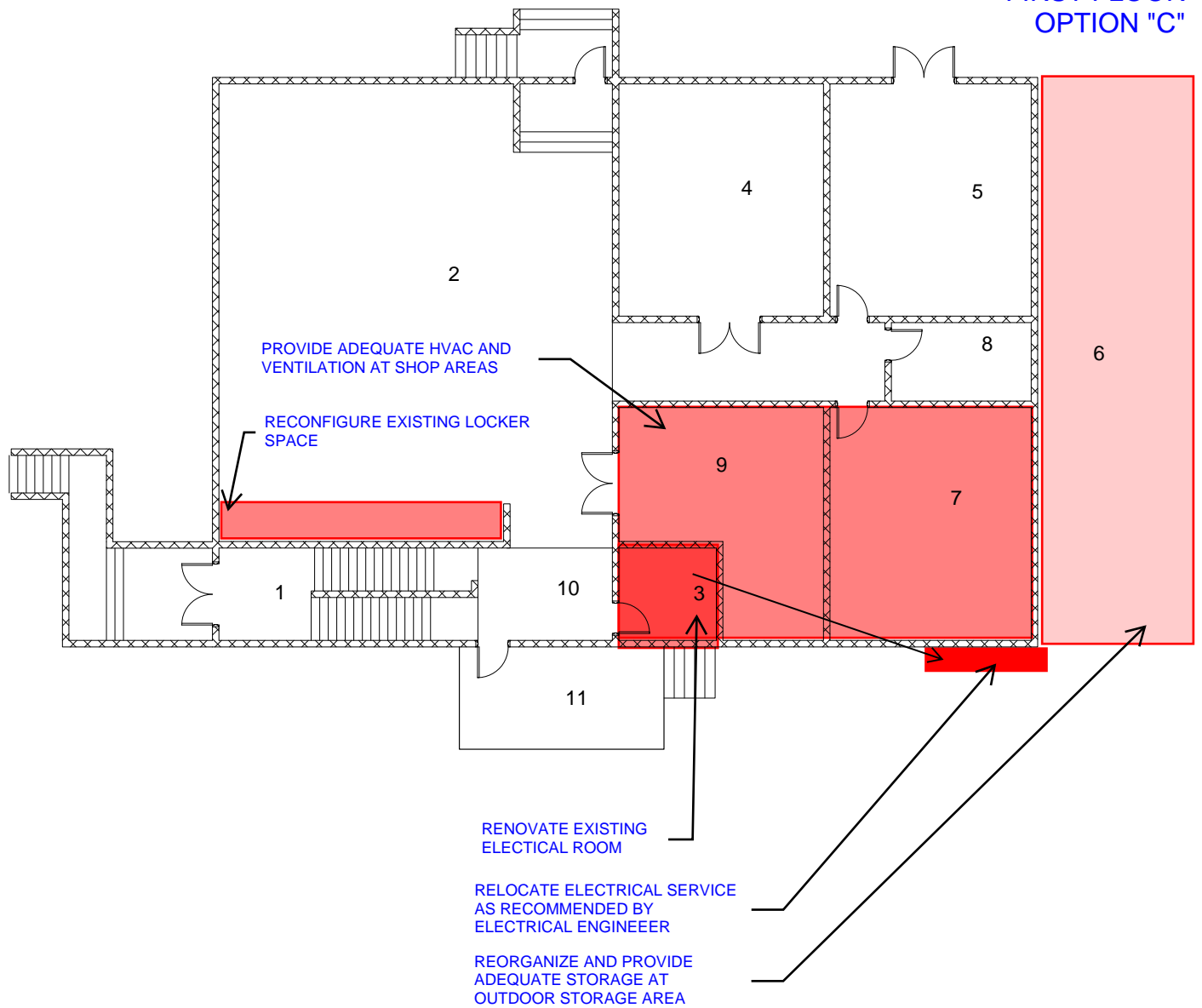


**OPTION "C"  
ADMINISTRATION BUILDING  
FIRST FLOOR PLAN**

ADMINISTRATION BUILDING		
	AREA TO BE RENOVATED	SF
9	GM OFFICE	30
10	WOMENS ROOM	121
12	MEN'S ROOM	104.3
14	OPEN OFFICE	698.7
15	COPY ROOM A	50
17	BREAK ROOM	106.6
18	KITCHEN	97.5
19	CIRCULATION	260
	AREA TO BE RENOVATED	1468.1
	TOTAL ALL SPACE	4576.5

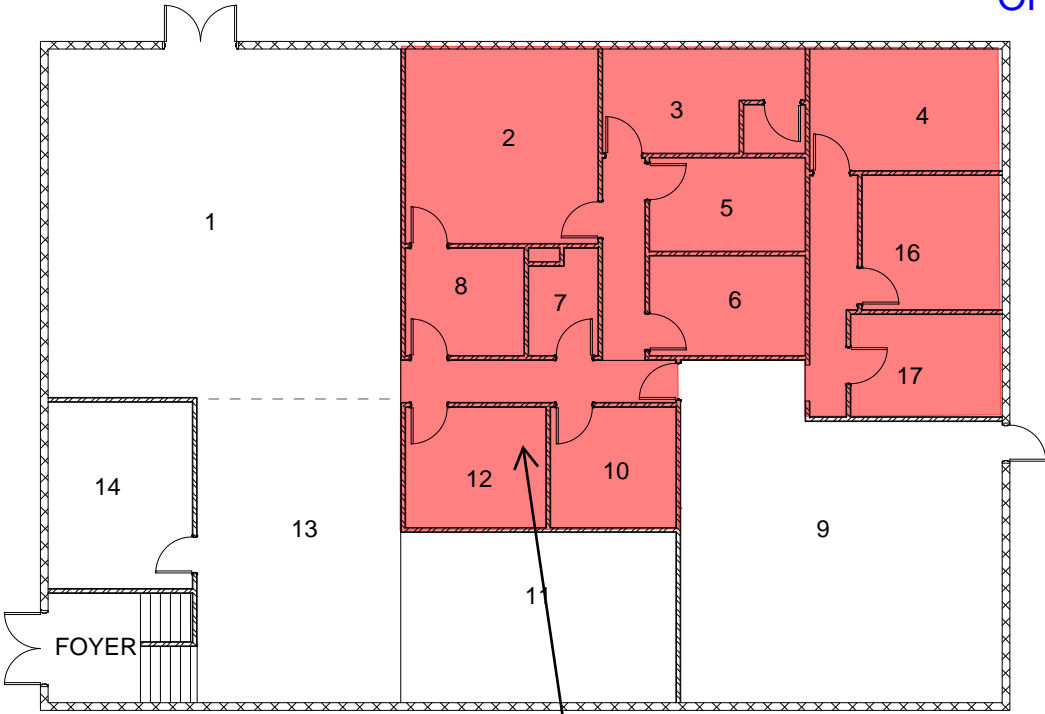


POSSIBLE RENOVATIONS TO WTP  
FIRST FLOOR  
OPTION "C"



WATER TREATMENT	
SPACES TO BE RENOVATED	SF
TOTAL FIRST FLOOR AREA	5738
NEW ELEVATOR AND LOBBY	350
ROOM 2 LOCKER AREA	300
ROOM 3	62
ROOM 6	1399
ROOM 7	361
ROOM 9	540.5
ROOM 11	10
CIRCULATION AND WALLS	
<b>FIRST FLOOR AREA TO BE RENOVATED</b>	<b>3022.5</b>

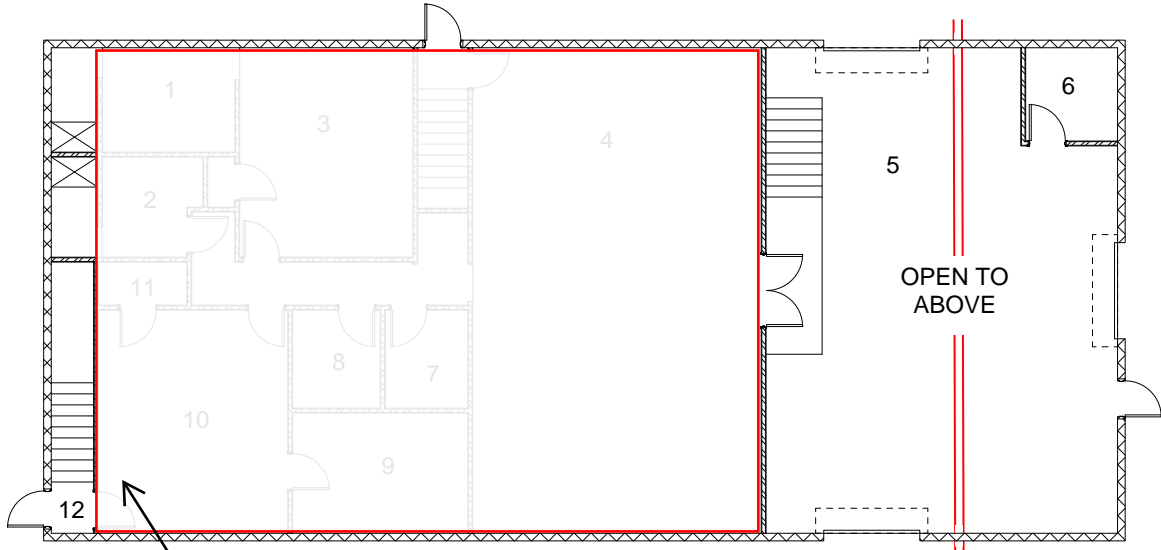
POSSIBLE RENOVATIONS TO WTP  
SECOND FLOOR  
OPTION "C"



RENOVATE EXISTING SECOND FLOOR AREA OF BUILDING TO REALLOCATE OFFICE SPACE, SERVER ROOM, CORRECT CODE VIOLATIONS. SPECIFIC CHANGES INCLUDE:

- ACCESS TO LIGHT AND AIR AT OFFICES.
- LARGER SERVER ROOM. MORE STORAGE SPACE.
- ACCESSIBLE UNISEX LOCKER AND TOILET ROOM.
- WIDEN CORRIDORS.

WATER TREATMENT	
SPACES TO BE RENOVATED	SF
TOTAL SECOND FLOOR AREA	4056
FOYER	89
ROOM 2	220
ROOM 3	127
ROOM 4	285
ROOM 5	70
ROOM 6	70
ROOM 7	50
ROOM 8	90
ROOM 10	72
ROOM 12	118
ROOM 15	122
ROOM 16	110
ELEVATOR	80
AREA OF ADD OR RENO.	1503

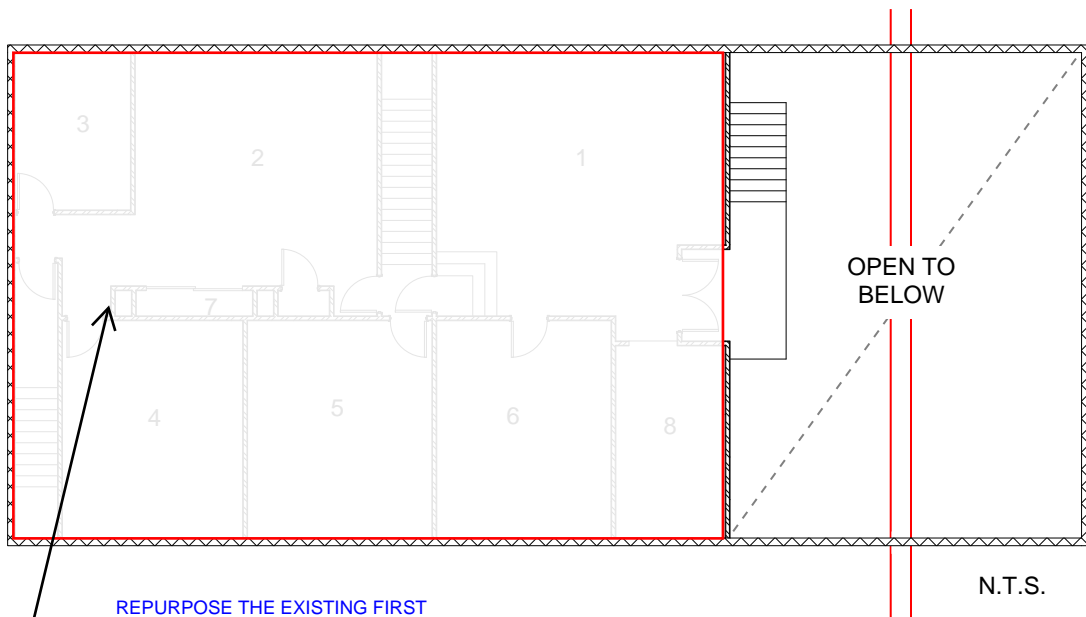


REPURPOSE THE EXISTING FIRST FLOOR FOR EQUIPMENT AND MATERIALS STORAGE, BY REMOVING NON STRUCTURAL PARTITIONS.

N.T.S.

## ENGINEERING & MAINTENANCE FIRST FLOOR OPTION "B & C" SIMILAR

FACILITIES AND MAINTAINANCE		
	USABLE BUILDING SF	
	TOTAL FIRST FLOOR AREA	4912
1	TOILET ROOM 1	187
2	TOILET ROOM 2	158
3	LOCKER ROOM	307
4	PARTS	897
5	SHOP	80
6	COMPRESSOR ROOM	109
7	CLOSET 1	60
8	CLOSET 2	60
9	OFFICE 2	150
10	OFFICE 3	270
11	VESTIBULE	36.5
12	CIRCULATION AND WALLS	177.5
	TOTAL FIRST FLOOR	2492



REPURPOSE THE EXISTING FIRST FLOOR FOR EQUIPMENT AND MATERIALS STORAGE, BY REMOVING NON STRUCTURAL PARTITIONS.

**ENGINEERING & MAINTENANCE  
SECOND FLOOR  
OPTION "B&C"  
SIMILAR**

FACILITIES AND MAINTAINANCE		
	USABLE BUILDING SF	
	SECOND FLOOR	2400
1	BREAK ROOM	492
2	GROUP OFFICE	440
3	OFFICE 1	123
4	OFFICE 2	255
5	OFFICE 3	266.00
6	OFFICE 4	253
7	STORAGE	40
8	PLAN ROOM	148
	ELEVATOR	80
	<b>TOTAL SECOND FLOOR</b>	<b>2097</b>

# SURVEY QUESTIONS



### **General Survey Questions:**

What is the number one facility related issue that you deal with every day?

What are the ways you wish you could use your work environment/space that you can't right now?

How are you well served by your work environment?

How are you lease well served by your work environment?

Do you need a women's locker room?

Describe which user groups work on site, where they are located when they work, and how they interact?

How many Water District Vehicles are parked on site overnight?

How many Water District Vehicles are parked on site during the day?

How many employee vehicles are parked on site during the day? Does anyone use alternate forms of transportation?

Does anyone currently work from home? Is it anticipated that this will increase or decrease in the future?

What do you really like about your building right now?

What do you dislike about your building right now?

### **Building Specific Survey Questions:**

#### **Administration Building:**

What is the current work flow pattern in your building?

What are your current Storage needs? Is your current Storage adequate?

Does your current work space serve the demands of your job description?

Do you have adequate group space at the current time?

How much growth do you expect in the staffing at the Administration Building in the next 1,5,10 years and in what areas?

How frequently do you hold group meetings in the Administration Building, who attends and what is the size of each group that meets?

Do you ever meet offsite, either for community meetings or other events?

How much daily person to person interaction do you have with other user groups that work on site?

How do you currently communicate between buildings?

What question do you wish you could answer about your building that has not been asked here?

#### **Maintenance/Engineering Building:**

What is the current work flow pattern in your building?

What are your current Storage needs? Is your current Storage adequate?

Do your current work spaces serve the demands of individual job descriptions?

Do you have group meetings? Is the existing space adequate at the current time?

How much growth do you expect in the staffing at the Facilities Building in the next 1,5,10 years and in what areas?

How frequently do you hold group meetings in the Facilities Building, who attends and what is the size of each group that meets?

Do you ever meet offsite, either for community meetings or other events?

How much daily person to person interaction do you have with other user groups that work on site?

How do you currently communicate between buildings?

What question do you wish you could answer about your building that has not been asked here?

**WTP:**

What is the current work flow pattern in your building?

What are your current Storage needs? Is your current Storage adequate?

Do your current work spaces serve the demands of individual job descriptions?

Do you have group meetings? Is the existing space adequate at the current time?

How much growth do you expect in the staffing at the Facilities Building in the next 1,5,10 years and in what areas?

How frequently do you hold group meetings in the Facilities Building, who attends and what is the size of each group that meets?

Do you ever meet offsite, either for community meetings or other events?

How much daily person to person interaction do you have with other user groups that work on site?

How do you currently communicate between buildings?

What question do you wish you could answer about your building that has not been asked here?

**The Old Shop (Storage):**

What is the current work flow pattern in your building?

Is the current space adequate for your indoor storage needs?

What type of expansion in indoor storage do you anticipate in the coming 1,5,10 years?

Is the location of the existing indoor storage adequate in relationship to other buildings?

What are the typical circulation paths to and from the existing Storage Building?

How do you currently communicate between buildings?

What question do you wish you could answer about your building that has not been asked here?

**Outdoor Storage Space:**

What is the current use pattern of the outdoor storage space?

Is the current space adequate for your outdoor storage needs?

What type of expansion in Outdoor Storage do you anticipate in the coming 1,5,10 years?

Is the location of the existing Outdoor Storage adequate in relationship to other buildings?

What are the typical circulation paths to and from the existing Outdoor Storage?





# SAN JUAN WATER DISTRICT FACILITY AND NEEDS ASSESSMENT CASP SURVEY 2017

ATTACHMENT "A"



## **FACILITY SITE FINDINGS**

This report is specific to the existing site serving the Administration Building, Maintenance Shop and Field Headquarters Building, and the Treatment Plant Building.

San Juan Water District Operations and Administration are located at 9935 Auburn Folsom Road, Granite Bay California. The project site borders Auburn Folsom Road with access to the site provided through rolling security gates. The Main gate is typically open for public and service vehicle access during normal business hours. Auburn Folsom Road is a two lane rural road with planted median and no public pedestrian path of travel leading to the site. The nearest public transportation stop is located more than one-mile south of the site. Currently pedestrian access to and between all buildings on site is by vehicle only with no pedestrian accessible path of travel provided. Per CBC 11B-206.2.2 Accessible Routes within a site Exception. An accessible route shall not be required between accessible buildings, accessible facilities, accessible elements, and accessible spaces if the only means of access between them is a vehicular way not providing pedestrian access. With the current site configuration an accessible pedestrian path of travel to and between buildings on this site is not required. Code compliant accessible parking is required at all building on site.

The existing Administration Building has existing accessible parking provided which has multiple accessibility code deficiencies and should be renovated in its entirety to conform to the current code. Path of travel to the two points of entry of this building currently have cross slopes in excess of 2%. Code compliant landings with maximum slope and cross slope not to exceed 2% in any direction are required. Cross slopes, slopes and landings should be replaced with an accessible code compliant path of travel. This building has a non-compliant path of travel to the large deck area to the east of the building used for public events. This same path of travel is utilized for the public education garden area. To the north of this building the facility contains a public education exhibit and garden. The existing path of travel through the garden is provided by a non-compliant gravel path with slopes exceeding the maximum allowed by code. If this garden educational area is to continue to be utilized by the public a compliant path of travel should be provided.

The existing Engineering/Maintenance Building and Field Headquarters building provides for vehicle parking but is devoid of compliant accessible parking or path of travel to an accessible building entrance. Accessible parking and an accessible path of travel to an accessible building entrance should be provided at this building.

The existing Treatment Plant Building provides for vehicle parking but is devoid of compliant accessible parking or path of travel to an accessible building entrance. Accessible parking and an accessible path of travel to an accessible building entrance should be provided. The cat walks, ladders and observation platforms located to the rear of this building are not required to be accessible as they exempt under CBC 11B-203.4 Limited Access Spaces.

## **BUILDING SPECIFIC FINDINGS**

### **ADMINISTRATION**

The existing District Office consists of a single story concrete block building with wood stud interior partition walls. If any modifications or additions to the building were to occur, this would be subject to the 20% rule for construction cost at or below the current 2017 valuation threshold of \$156,162. This excludes cosmetic work such as painting or floor finishes. Additions or Modification to the existing building with a construction cost exceeding \$156,162, would trigger full compliance with the current CBC accessibility requirements. Current deficiencies within this building are as follows:

1. Exterior door thresholds are not compliant with current accessibility requirements
2. Several interior doors do not meet current accessibility requirements
3. Doors to the Vault are not compliant with current accessibility requirements
4. All electrical outlet heights and lighting controls are not compliant with current accessibility requirements
5. Systems furniture layout in Business Office does not provide adequate path of travel
6. High Low drinking fountain is not at the proper mounting height
7. Men's toilet room lavatory is mounted to high
8. Men's toilet room urinal alcove is too narrow for the depth
9. Women's toilet room lacks the required 60" turning radius
10. Copy room lacks an accessible work surface
11. Lunch room lacks accessible work surface and sink
12. Back door at Business Office is inaccessible

The deficiencies noted within the toilets rooms would trigger a complete renovation of this area to comply with the current code requirements.

### **ENGINEERING/MAINTENANCE SHOP & FIELD OFFICE**

The existing Maintenance Shop & Field Office Building consists of a two story concrete block building with wood stud interior partition walls. The first floor consists of the shop area, storage area, offices and locker toilet shower rooms. Currently there are no compliant accessible features at the ground level. The second floor is served by three separate non-compliant stairs with one elevation transition stair mid floor at the Break Room. The second floor consists of offices, conference break room and storage. Currently there are no compliant accessible features at the second level. Due to the second floor of this building being under 3000 gross square feet in size an elevator is not required per CBC 11B 206.2.3 exceptions 1.1 and 1.2. With this exception an elevator is not required within this building to access the second floor, however this exception requires all services provided in this building be made accessible and a substantial amount be located on the accessible ground floor to be compliant. The second floor is required to comply with accessibility standards despite not having to have an accessible path of travel to that level.

## **WATER TREATMENT PLANT BUILDING**

The existing Water Treatment Plant Building consists of a two story concrete block building with concrete block partition walls on the first floor and wood stud partition walls on the second floor. The first floor consists of chemical feed room, carbon feed room, chlorine feed room, storage and mechanical electrical rooms. The first floor is exempt from accessibility requirements based on CBC 11B-203.5 Machinery Spaces. The second floor consists of Controls Center, Conference room, Laboratory, offices, Sleep Room, Toilet Rooms, Shower Room and Support Spaces. The second floor currently has no compliant accessible features and does not have an accessible path of travel to the level. Noted deficiencies are as follows:

1. Clear door widths not provided
2. Floor elevation transitions at Janitor, Laboratory, Men's toilet, Women's Toilet, and Shower room are non-compliant
3. Corridor widths are non-compliant
4. Stair handrails non-compliant
5. Men's and Women's toilet rooms non-compliant
6. Shower room non-compliant
7. Workspace and sink area in conference room non-compliant

This floor should be renovated to be fully compliant including an elevator serving the floor connecting to a path of travel leading to compliant accessible parking.

# SAN JUAN WATER DISTRICT FACILITY AND NEEDS ASSESSEMENT ELECTRICAL SURVEY 2017

ATTACHMENT "B"



## San Juan Water District – Facilities Assessment

The scope of our assessment includes the office building, the maintenance building, and the treatment plant. In general, the facility is well maintained considering the age of the various buildings; however, several of the electrical elements have reached the end of their serviceable life. We recommend replacement, and in some circumstances, relocation of electrical equipment.

### The Campus

#### Power

Currently the site has four metered electrical services of various sizes and voltages to buildings scattered throughout the site. The campus utility service is augmented by 794 KW of district owned solar panels in three arrays. The solar farm, which is currently maintained by SunPower Solar, has room for one additional array.

#### Exterior Lighting

The current site lighting is old and ineffective, with inadequate illumination levels for the owners needs. The lighting is a combination of high pressure sodium and metal halide, and should be replaced with LED fixtures. A cost effective way of upgrading the pole mounted fixtures is to replace the fixture heads with LED heads and to maintain the current pole configuration. New poles are recommended to augment the existing to provide owner desired lighting levels. Careful consideration should be given to light trespass onto the adjoining property, which is a campground.

#### Data Communications

Consistent and efficient data communications are essential to the operation of this facility. Supervision and monitoring of plant processes are accomplished over their data system, the central hub of which is the Main Distribution Facility (MDF) housed in the treatment plant. Fiber is run to each building from the MDF. The MDF room is small and should be enlarged to allow personnel access to all sides of the equipment racks. Additionally, other equipment has encroached upon the footprint of the room, further reducing the available space for access to the racks.

## Office

### Power

The electrical service to the Office is a metered, 600-amp, 240-volt delta configuration switchboard, fed from a nearby power pole, and located on the north exterior of the building. Both the service configuration and the switchboard itself are antiquated and should be replaced. Since building additions will occur on the north side of the building, replacement and relocation to a more appropriate place is recommended. The existing sub-panels are in bad condition and not adequate to handle the current receptacle load. These panels should be replaced and augmented with additional panels which will require a larger service size.



*2/Main Switchboard at Office*



*1/Sub-Panel at Office*

### Lighting

The existing interior lighting is fluorescent; the building mounted exterior lighting appears to be fluorescent retrofitted into incandescent fixtures. Interior lighting should be reduced in quantity and replaced with LED's. New lighting controls with vacancy sensors are code required if the lighting is replaced, and will produce further energy savings. Exterior lighting should be replaced with LED's, with new lighting controls installed.



*3/Lighting at Office*

## Emergency and Exit Lighting

No emergency lighting exists in the Office Building; the exit signage is inadequate. Both should be provided throughout.

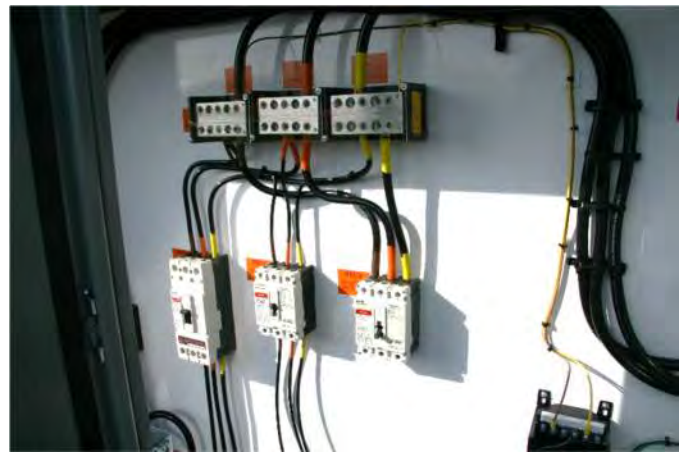
## Fire Alarm

The existing fire alarm system is not code approved and should be replaced. The existing detectors appear to be residential type and should be upgraded to an integrated system.

## Maintenance Building

### Power

The electrical service to the Maintenance Building is 200-amp, 480-volt, three-phase, four-wire. During a recent inspection the main switchboard did not pass the testing performed, was removed and deconstructed into circuit breakers with cable connections within a weather protected enclosure. The installation is quite unconventional, but new, well marked, and serviceable. Within the enclosure is a 225-amp disconnect for a future generator, a 125-amp breaker for a sub-panel, and a 70-amp breaker feeding a 45KVA transformer, which in turn feeds another sub-panel. The pad mounted transformer adjacent the enclosure appears to be in good condition. The two subpanels within the building have reached the end of their usefulness and should be replaced; the phase separators are experiencing failure and replacement breakers are no longer available for these panels.



*4/Deconstructed Switchboard at Maintenance Building*



*5/Sub-Panel at Maintenance Building*



## Lighting

The lighting in the support areas is fluorescent, with a combination of fluorescent and metal halide in the work bay. The lighting should be reduced in quantity and replaced with energy efficient LED's with new lighting controls to achieve further energy savings. The exterior lighting is HID, and replacement with LED's and new controls is recommended.



*6/Lighting at Maintenance Building*

## Fire Alarm

This building has the most upgraded fire alarm system; however, the wiring is run exposed, attached to building members, which may pose a problem in the future. Some devices appeared to not be sufficiently attached to the structure upon which they were mounted. For the longevity of the system, installation of the exposed wiring in conduit is recommended.

## Intrusion/Access Control

The current system is card access, however components of the former keypad system, now disconnected, are still installed. Recommendation is made to refresh the system and remove unused components.

## Data

As with the fire alarm system, the cabling is run exposed, attached to exposed structure. This may create problems down the line.

## Low-Voltage Equipment Room

Inadequate organization and labeling of equipment, as well as utilization of the room for storage, potentially compromises the site communications systems. Recommendation is made to reorganize the equipment, remove unused system components, and provide adequate lighting and labeling. A room dedicated to only low-voltage systems is recommended.



*7/Backboard and IDF in Low-Voltage Equipment Room*



*8/Ceiling of Low-Voltage Equipment Room*



*9/Backboard in Low-Voltage Equipment Room*

## Treatment Plant

### Power

The switchgear and the sub-panels in the switchgear room are not in good condition, have exceeded their life expectancy and should be replaced. Because of limited space, the existing switchboard room is full of code violations; the code required clearances in front of, and side to side of electrical equipment has not been maintained due to other equipment being installed in the room. The switchboard should be relocated. The best location would be on the south exterior wall of the building. The existing enclosures can be used as pull boxes and the circuits extended to the new location outside. The low voltage equipment could remain in the room, and space will be made avail for other components. Recommendation is made to identify various unidentified terminal blocks on the backboard in the switchboard room and to remove those no longer in use.



*11/Code Violation in Treatment Plant*



*10/Panel Located Behind Door in Treatment Plant*



*13/Switchboard Beyond Life Expectancy in Treatment Plant*



*12/Panel Beyond Life Expectancy in Treatment Plant*

Upstairs, sub-panel 'A' is in a janitor closet, located within inches of a floor sink, which is a code violation. It should be relocated and replaced.

## Lighting

The existing interior lighting is fluorescent and far too dense to conform to the current code requirements. Emergency lighting is provided by dual head fixtures located in various areas in the building, and the exterior lighting is HID. The interior lighting should be significantly reduced in quantity and replaced with energy saving LED's. New lighting controls with vacancy sensors are code required if the existing lighting is replaced, producing further energy savings. Emergency lighting could be incorporated into the new lay-in ceiling fixtures, creating a more integrated look with less maintenance. Exterior lighting should be replaced with LED's, with new lighting controls installed.



*14/Lighting in Treatment Plant*

## Fire Alarm

The existing fire alarm system is not code approved and should be replaced with a system providing full coverage.

In synopsis, there are three levels of recommendations:

1. Code required and equipment failure,
2. Highly recommended upgrades, and
3. Discretionary upgrades.

The code required and equipment failure recommendations are:

- Replace the service and sub-panels for the Office Building
- Replace the sub-panels in the Maintenance Building.
- Replace and relocate the main switchboard and panels in the Treatment Plant.
- Upgrade the fire alarm systems in the Office and Treatment Plant.
- If lighting fixtures are upgraded, new lighting controls are code required.

The highly recommended upgrades include:

- Upgrade existing interior and exterior lighting and lighting controls, including integration of emergency lighting into ceiling fixtures and providing exit signage throughout.
- Provide additional and improved site lighting throughout.
- Enlarge MDF Room.

Discretionary Upgrades include:

- Provide additional solar array.
- Remove signal system components no longer in use.
- Reinstall fire alarm and data cabling in conduit in exposed areas of Maintenance Building.



# SAN JUAN WATER DISTRICT FACILITY AND NEEDS ASSESSMENT MECHANICAL SURVEY 2017

ATTACHMENT "C"



# SAN JUAN WATER DISTRICT FOLSOM-AUBURN ROAD CAMPUS FACILITY ASSESSMENT

10/12/2017

## CAPITAL ENGINEERING CONSULTANTS

The scope of the assessment is a brief overview of existing conditions observed during a site walk on October 10<sup>th</sup>, 2017 and a cursory review of available record documents provided by the owner.

### Administration Building:

#### HVAC-

The building is heated and air conditioned with 4 split system heat pumps, two serving the north side of the building and two serving the south side. Vertical air handlers in mechanical spaces, one for each of the associated outdoor condensing units, provides the air circulation and are provided with minimum outside air connections through what we assume would be roof intakes (not observed). According to the plans we reviewed, the zoning was done reasonably well, however we also learned during the walk through that there have been additional staff added to the building, desks moved and some wall changes, all of which will impact the zoning and in turn, comfort.

The indoor and outdoor units are of various vintages, with 1- 4 ton, 2- 5 ton and 1-7 ½ ton system, 3 being R-22 and one being R-410A.

The grilles and diffusers are of varying grades and quality with some more residential in design and some of a high quality commercial design. The ductwork was not observed,

Economizers (ability to admit 100% outside air for cooling) did not appear to exist.

Thermostats were mostly low quality residential grade.

Although we did not hear specific complaints, we believe that with the repartitioning that has occurred, the fact that some of the building is well insulated with dual pane glazing and some areas are single pane and lower insulation value, comfort and certainly efficiency can be improved. That said, the HVAC is suitable for a building of this size and general configuration when properly zoned and air balanced. The systems would also benefit from upgrades to higher efficiency condensing units and R-410 A conversions for all the systems, plus the installation of programmable, Wi-Fi thermostats. We would also recommend upgrading to dual pane glass throughout.

#### PLUMBING-

No issues were reported during the walk through and only fixtures and observable piping was surveyed. The building is equipped with a piped roof drainage (exterior downspouts connected to boots tied to underground storm drain).

The plumbing fixtures were dated and not as water efficient as would be recommended and should be verified for ADA compliance. Water heating was a combination of storage type and instantaneous electric. No recirculation for hot water maintenance was observed. No natural gas was observed.

In general, it appears that the plumbing system is suitable for the current use but could use upgrades for operating economy as well as accessibility.

#### FIRE SUPPRESSION-

The building is un-sprinklered. We recommend the building be retrofit with a new wet-pipe fire sprinkler system.

#### Maintenance Building:

##### HVAC-

The building consists of two main areas, the administrative spaces and the maintenance shops. The administrative areas are heated and cooled with two rooftop packaged, gas-electric units, with minimum outside air. The distribution and zoning is generally poor and although functional, much looks 'home built' and has been adapted to the growth within the space to accommodate the needs of the staff. Returns are cut through areas subject to cross talk, diffusers and thermostats are residential grade, and in general likely does a fair to poor job of keep the comfort acceptable throughout the space. In our opinion, it is in need of a substantial upgrade.

The shops are heated with small suspended gas unit heaters and industrial ceiling fans are provided to move air around. The staff noted the heaters are not very effective. We also noticed that they do a fair amount of welding in the shop area and there is no provision for exhaust in terms of source capture systems etc.

##### PLUMBING-

No issues were reported during the walk through and only fixtures and observable piping was surveyed. The building is equipped with roof scuppers tied to exterior downspouts spilling to grade for roof drainage.

The plumbing fixtures were dated and not as water efficient as would be recommended and should be verified for ADA compliance. Water heating was a gas storage type. No recirculation for hot water maintenance was observed. Natural gas was provided with a meter outside.



The building was also equipped with a shop air compressor. The emergency eye wash was a portable one and it would be recommended to provide a fixed station, tied to a tempered water source for full ANSI compliance.

In general, it appears that the plumbing system is suitable for the current use but could use upgrades for operating economy as well as accessibility and ANSI compliance.

#### FIRE SUPPRESSION-

The building is un-sprinklered. We recommend the building be retrofit with a new wet-pipe fire sprinkler system.

#### Water Treatment Building:

#### HVAC-

The building is configured as control room, break/sleeping spaces and lab upstairs and shop space and treatment spaces below, on the first level. The upstairs is heated and air conditioned with two 4-ton rooftop heat pumps, and the downstairs is unconditioned. Additionally, there is a server room that has a small ductless split system.

There was a fume hood in the laboratory but it was not functioning (or needed) and was being used as a storage cabinet. The diffusers and thermostats were residential grade, and no economizers were present. We also did not observe any redundancy for this critical facility. The building would benefit from a modernization of the upstairs HVAC and the downstairs could use some heat and a proper ventilation system in the areas where welding is performed.

#### PLUMBING-

No issues were reported during the walk through and only fixtures and observable piping was surveyed. The building is equipped with a piped roof drainage with interior downspouts connected to underground storm drain.

The plumbing fixtures were dated and not as water efficient as would be recommended and should be verified for ADA compliance. Water heating was a combination of storage type and instantaneous electric. No recirculation for hot water maintenance was observed. No natural gas was observed. Emergency shower eye wash existed in the lab verification of tempered water supply is needed. The lab looked to be well equipped and furnished with the appropriate plumbing, including Deionized water and chemical waste.

In general, it appears that the plumbing system is suitable for the current use but could use upgrades for operating economy as well as accessibility.

#### FIRE SUPPRESSION-

The building is un-sprinklered. We recommend the building be retrofit with a new wet-pipe fire sprinkler system.

END OF REPORT

# STAFF REPORT

To: Board of Directors  
 From: Paul Helliker, General Manager  
 Date: March 28, 2018  
 Subject: General Manager's Monthly Report (February)

## RECOMMENDED ACTION

For information only, no action requested.

## TREATMENT PLANT OPERATIONS

### *Water Production for February*

Item	2018	2017	Difference
Monthly Production AF	1,405.67	1,675.75	-16.1%
Daily Average MG	14.78	17.61	-16.1%
Annual Production AF	2,587.29	3,609.31	-28.3%

### *Water Turbidity*

Item	February 2018	January 2018	Difference
Raw Water Turbidity NTU	1.92	2.31	-17%
Treated Water Turbidity NTU	0.021	0.022	-5%
Monthly Turbidity Percentage Reduction	98.89%	99.06%	

### *Folsom Lake Reservoir Storage Level AF\**

Item	2018	2017	Difference
Lake Volume AF	581,017	404,391	44%

AF – Acre Feet

MG – Million Gallons

NTU – Nephelometric Turbidity Unit

\* Total Reservoir Capacity: 977,000 AF

### *Other Items of Interest:*

- Performed upper zone radio study
- Hinkle Reservoir cover cleaning
- Confined Space training
- WTP staff – attended writing with purpose training
- Performed annual maintenance of Filtrate, Thickener, and Spent Backwash meters
- Upgrade Fire Alarm pull stations
- Backwash Hood Injector Nozzle replacement – 432 nozzles.

**SYSTEM OPERATIONS**

*Distribution Operations:*

Item	February 2018	January 2018	Difference
Leaks and Repairs	4	8	-4
Mains Flushed	6	11	-5
Valves Exercised	8	41	-33
Back Flows Tested	459	0	+459
Customer Service Calls	55	44	+11

*Distribution System Water Quality:*

Water Quality Samples Taken	# Failed Samples	Supporting Information
40 Lab	0	No additional information at this time.
10 In-House	0	

*Other Items of Interest:*

- Backflow testing began February.
- Tested 26 3" and larger meters.
- Kokila Reservoir cover cleaning.

**CUSTOMER SERVICE ACTIVITIES**

*Billing Information for Month of February*

Total Number of Bills Issued	Total Number of Reminders Mailed	Total Number of Shut-off Notices Delivered	Total Number of Disconnections
5138	682	187	19

*Conservation Activities*

Water Waste Complaints Received	Number of Customers Contacted for High Usage (potential leaks)	Number of Rebates Processed	Number of Meters Tested/Repaired (non-reads)
5	69	1	N/A

*Other Activities*

- The utility billing conversion project is on schedule and on budget. The first training session was held providing staff an initial understanding of the system.
- An offer has been made to backfill the Conservation Technician vacancy. The employee is expected to start in March pending clearance.
- Staff has been collaborating with master gardeners and native plant groups to assist with the WEL garden redesign.

**ENGINEERING - NEW URBAN DEVELOPMENTS (SJWD Retail Service Area)**

<b>Project Title</b>	<b>Description</b>	<b>Status</b>	<b>Issues</b>
Ali Minor Subdivision	3-Lot Subdivision	Approved for Construction	
Barton Ranch	10-Lot Subdivision	In Design Review. Ready to approve.	
Chula Acres	4-Lot Minor Subdivision	Approved for Construction	
Colina Estates	10-Lot Subdivision	In Design Review	
Eureka at GB (former Micherra Place Proj.)	28 Condominium Units	In Design Review	
GB Memory Care	Commercial Business	In Design Review	
Granite Rock Estates	16-Lot Subdivision	In Design Review	Annexation process underway
Greyhawk III	44 high-density, and 28 single family Lots	In Design Review	
Ovation Senior Living	Commercial Business (114-Unit 2-story Assisted Living Facility)	In Design Review	
Placer County Retirement Residence	Commercial Business (145-Unit Multi-story Assisted Living Facility)	In Design Review	
Pond View	Commercial Business	Approved for Construction	
Quarry Ridge Prof. Office Park	Commercial Business (4 parcels to develop four general/medical office buildings)	In Design Review	
Rancho Del Oro	89 Lot Subdivision	Approved for Construction	On hold pending County Approvals
Rolling Greens	9 Lot Subdivision	Construction is complete	Closing out
Self Parcel Split (3600 & 3630 Allison Ave)	4 Lot Minor Subdivision (Laura Lane, off Allison Dr.)	In Construction	Waiting for contract and submittals.
The Park at Granite Bay	56 lot Subdivision	In Design Review	Two west side distribution system tie-ins needed
The Residences at GB	4-Lot Minor Subdivision	In Design Review	
Ventura of GB	33-Lot Subdivision	In Design Review	
Whitehawk I	24-Lot Subdivision	In Design Review	
Whitehawk II	56-Lot Subdivision	In Design Review	

**ENGINEERING - CAPITAL PROJECTS**

*Current Retail Projects*

<b>Project Title</b>	<b>Description</b>	<b>Status</b>	<b>Issues</b>
Douglas Blvd Main Replacement	Replacement of ±4,125-LF of old steel main with new 16-in and 12-in pipeline between Auburn Folsom Rd and Hidden Lakes Dr.	Out to Bid on 3/21/18	None
Dambacher Drive Services Replacement	Replacement of ±19 aged, corroded steel service taps with new bronze saddle taps to reduce potential for failures and leaks.	Out to Bid on 3/21/18	None
Main Ave Main Replacement	Replacement of ±900-LF and on Main Ave between Lake Natoma Dr and Twin Lakes Ave. The new 12-in pipe will be sliplined into the old existing 20-in and 16-in pipe.	Construction Complete	Pavement slurry seal to be done in spring when the weather permits.
Oak Ave Main Replacement	Replacement of ±1,465-LF of aged steel pipeline with new 12-in C900 pipeline between Filbert Ave and address 9219 Oak Ave. The new 12-in pipe will be sliplined into the old existing 24-in pipe.	Construction Complete	Pavement slurry seal to be done in spring when the weather permits.
ARC North/South PRS	Construction of a new Pressure Reducing Station (PRV) located at the intersection of American River Canyon Dr. and Oak Ave.	Construction Complete	None. In closeout.
Cavitt Stallman PRS	Construction of a new Pressure Reducing Station (PRV) located, on Cavitt Stallman Rd west of Hidden Valley Place.	Construction Complete	Bollards to be installed in spring.
Olive Ranch PRS	Construction of a new Pressure Reducing Station (PRV) located near the intersection of Ramsgate Dr. and Olive Ranch Rd.	Construction Complete	None. In closeout.
Lou Place Main Replacement	Replacement of approximately 460-LF of aged main on Lou Place between Troy Way and Crown Point Vista.	In Design.	
Canyon Falls Village PRS Replacement	Rehabilitation of an existing Pressure Reducing Station (PRV) located near the intersection of Canyon Falls Drive and Santa Juanita Ave.	In Design.	
UGB & LGB Low Flow Pumps	Installation of two new low flow pumps, one each at the Lower and Upper Granite Bay pump stations.	In Design.	

*Retail CIP - Project Specifics*

- None to Report

**Current Wholesale Projects**

<b>Project Title</b>	<b>Description</b>	<b>Status (% Complete)</b>	<b>Issues</b>
WTP Improvements	Replacement of aged mechanical flocculators and sludge collection equipment, construction of a new settled water channel and a new overflow weir structure, electrical and piping improvements, and other miscellaneous work.	Construction is Complete. NOC was recorded with Placer Co.	None. (In closeout.)
FO-40 T-Main Relining	Relining of the existing ±11,000 foot long steel pipeline.	In design phase	Project postponed to FY 18/19.
Hinkle Res. Cleaning & Repairs	Cleaning, maintenance, and repairs of the covers on the Hinkle and Kokila Reservoirs.	Work is complete.	None. (In closeout.)
Alum Feed Pumps Replacement	Replace the alum feed system pumping equipment and install VFD's on the pumps to enhance control.	Work is complete.	None. (In closeout.)
Lime System Improvements	Improvements for the WTP's lime system control and feeder system.	In Design	None
Hinkle Res. Monitoring Level Probes	Installation of level probes into the monitoring wells to provide consistent monitoring data for DSOD reporting.	In Design	None

**Wholesale CIP - Project Specifics**

- None to Report

**SAFETY & REGULATORY TRAINING – FEBRUARY 2018**

<b>Training Course</b>	<b>Staff</b>
Driver Safety	All Staff
Hazards Communications	All Staff
PSM – Process Safety Management	All Staff
Respiratory Protection Plan Review	Treatment Staff
Underground Utility Line Locator Training	Field Services/Conservation/Maint.

**FINANCE/BUDGET**

*See attached.*



San Juan Water District, CA

# Wholesale Operating Income Statement

## Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
<b>Fund: 010 - WHOLESALE</b>					
<b>Revenue</b>					
41000 - Water Sales	10,385,100.00	10,385,100.00	0.00	7,156,114.97	3,228,985.03
43000 - Rebate	1,100.00	1,100.00	0.00	634.11	465.89
45000 - Other Operating Revenue	0.00	0.00	0.00	-13,063.98	13,063.98
49000 - Other Non-Operating Revenue	149,400.00	149,400.00	36,431.40	66,857.07	82,542.93
<b>Revenue Total:</b>	<b>10,535,600.00</b>	<b>10,535,600.00</b>	<b>36,431.40</b>	<b>7,210,542.17</b>	<b>3,325,057.83</b>
<b>Expense</b>					
51000 - Salaries and Benefits	4,615,900.00	4,615,900.00	228,201.48	1,953,904.53	2,661,995.47
52000 - Debt Service Expense	939,800.00	939,800.00	0.00	578,613.49	361,186.51
53000 - Source of Supply	1,296,300.00	1,296,300.00	8,294.02	774,023.09	522,276.91
54000 - Professional Services	638,400.00	638,400.00	4,262.63	351,090.21	287,309.79
55000 - Maintenance	508,500.00	508,500.00	21,848.29	252,865.55	255,634.45
56000 - Utilities	79,400.00	79,400.00	357.13	85,937.36	-6,537.36
57000 - Materials and Supplies	569,500.00	569,500.00	23,050.84	278,882.66	290,617.34
58000 - Public Outreach	38,900.00	38,900.00	0.00	12,519.39	26,380.61
59000 - Other Operating Expenses	385,000.00	385,000.00	16,259.00	254,023.49	130,976.51
69000 - Other Non-Operating Expenses	2,800.00	2,800.00	0.00	1,903.20	896.80
69900 - Transfers Out	169,300.00	169,300.00	0.00	0.00	169,300.00
<b>Expense Total:</b>	<b>9,243,800.00</b>	<b>9,243,800.00</b>	<b>302,273.39</b>	<b>4,543,762.97</b>	<b>4,700,037.03</b>
<b>Fund: 010 - WHOLESALE Surplus (Deficit):</b>	<b>1,291,800.00</b>	<b>1,291,800.00</b>	<b>-265,841.99</b>	<b>2,666,779.20</b>	<b>-1,374,979.20</b>
<b>Total Surplus (Deficit):</b>	<b>1,291,800.00</b>	<b>1,291,800.00</b>	<b>-265,841.99</b>	<b>2,666,779.20</b>	<b>-1,374,979.20</b>



**Fund Summary**

Fund	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
010 - WHOLESAL	1,291,800.00	1,291,800.00	-265,841.99	2,666,779.20	-1,374,979.20
<b>Total Surplus (Deficit):</b>	<b>1,291,800.00</b>	<b>1,291,800.00</b>	<b>-265,841.99</b>	<b>2,666,779.20</b>	<b>-1,140,627.25</b>



San Juan Water District, CA

# Wholesale Capital Income Statement

## Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
<b>Fund: 011 - Wholesale Capital Outlay</b>					
<b>Revenue</b>					
42000 - Taxes & Assessments	1,090,000.00	1,090,000.00	266,489.99	599,969.14	490,030.86
44000 - Connection Fees	35,000.00	35,000.00	1,372.00	131,771.33	-96,771.33
44500 - Capital Contributions - Revenue	2,172,400.00	2,172,400.00	0.00	369,777.00	1,802,623.00
49000 - Other Non-Operating Revenue	60,000.00	60,000.00	0.00	3,737.94	56,262.06
49990 - Transfer In	169,300.00	169,300.00	0.00	0.00	169,300.00
<b>Revenue Total:</b>	<b>3,526,700.00</b>	<b>3,526,700.00</b>	<b>267,861.99</b>	<b>1,105,255.41</b>	<b>2,421,444.59</b>
<b>Expense</b>					
55000 - Maintenance	2,253,500.00	2,253,500.00	0.00	99,525.78	2,153,974.22
61000 - Capital Outlay	1,018,600.00	1,018,600.00	16,127.93	195,112.12	823,487.88
63000 - Contributions to Others	0.00	0.00	0.00	-23,477.00	23,477.00
<b>Expense Total:</b>	<b>3,272,100.00</b>	<b>3,272,100.00</b>	<b>16,127.93</b>	<b>271,160.90</b>	<b>3,000,939.10</b>
<b>Fund: 011 - Wholesale Capital Outlay Surplus (Deficit):</b>	<b>254,600.00</b>	<b>254,600.00</b>	<b>251,734.06</b>	<b>834,094.51</b>	<b>-579,494.51</b>
<b>Total Surplus (Deficit):</b>	<b>254,600.00</b>	<b>254,600.00</b>	<b>251,734.06</b>	<b>834,094.51</b>	<b>-579,494.51</b>

**Fund Summary**

Fund	Original	Current	MTD Activity	YTD Activity	Budget
	Total Budget	Total Budget			Remaining
011 - Wholesale Capital Outlay	254,600.00	254,600.00	251,734.06	834,094.51	-579,494.51
<b>Total Surplus (Deficit):</b>	<b>254,600.00</b>	<b>254,600.00</b>	<b>251,734.06</b>	<b>834,094.51</b>	<b>-405,744.13</b>



San Juan Water District, CA

# Retail Operating Income Statement

## Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
<b>Fund: 050 - RETAIL</b>					
<b>Revenue</b>					
41000 - Water Sales	10,716,800.00	10,716,800.00	-304.72	5,869,356.32	4,847,443.68
45000 - Other Operating Revenue	427,100.00	427,100.00	6,729.87	159,590.32	267,509.68
49000 - Other Non-Operating Revenue	112,300.00	112,300.00	0.00	67,444.96	44,855.04
49990 - Transfer In	1,394,700.00	1,394,700.00	0.00	0.00	1,394,700.00
<b>Revenue Total:</b>	<b>12,650,900.00</b>	<b>12,650,900.00</b>	<b>6,425.15</b>	<b>6,096,391.60</b>	<b>6,554,508.40</b>
<b>Expense</b>					
51000 - Salaries and Benefits	6,021,200.00	6,021,200.00	298,688.04	2,617,019.74	3,404,180.26
52000 - Debt Service Expense	522,300.00	522,300.00	0.00	321,720.26	200,579.74
53000 - Source of Supply	3,080,600.00	3,080,600.00	0.00	2,173,757.03	906,842.97
54000 - Professional Services	717,800.00	717,800.00	37,863.37	446,724.00	271,076.00
55000 - Maintenance	255,100.00	255,100.00	7,649.67	141,371.40	113,728.60
56000 - Utilities	254,200.00	254,200.00	2,403.19	190,587.30	63,612.70
57000 - Materials and Supplies	279,300.00	279,300.00	13,400.02	176,658.57	102,641.43
58000 - Public Outreach	163,100.00	163,100.00	5,333.00	36,638.77	126,461.23
59000 - Other Operating Expenses	535,800.00	535,800.00	27,423.91	299,731.26	236,068.74
69000 - Other Non-Operating Expenses	3,400.00	3,400.00	0.00	1,733.80	1,666.20
<b>Expense Total:</b>	<b>11,832,800.00</b>	<b>11,832,800.00</b>	<b>392,761.20</b>	<b>6,405,942.13</b>	<b>5,426,857.87</b>
<b>Fund: 050 - RETAIL Surplus (Deficit):</b>	<b>818,100.00</b>	<b>818,100.00</b>	<b>-386,336.05</b>	<b>-309,550.53</b>	<b>1,127,650.53</b>
<b>Total Surplus (Deficit):</b>	<b>818,100.00</b>	<b>818,100.00</b>	<b>-386,336.05</b>	<b>-309,550.53</b>	<b>1,127,650.53</b>

**Fund Summary**

<b>Fund</b>	<b>Original Total Budget</b>	<b>Current Total Budget</b>	<b>MTD Activity</b>	<b>YTD Activity</b>	<b>Budget Remaining</b>
050 - RETAIL	818,100.00	818,100.00	-386,336.05	-309,550.53	1,127,650.53
<b>Total Surplus (Deficit):</b>	<b>818,100.00</b>	<b>818,100.00</b>	<b>-386,336.05</b>	<b>-309,550.53</b>	<b>1,347,402.34</b>



San Juan Water District, CA

# Retail Capital Income Statement

## Group Summary

For Fiscal: 2017-2018 Period Ending: 02/28/2018

Account	Original Total Budget	Current Total Budget	MTD Activity	YTD Activity	Budget Remaining
<b>Fund: 055 - Retail Capital Outlay</b>					
<b>Revenue</b>					
42000 - Taxes & Assessments	1,090,000.00	1,090,000.00	266,490.00	599,969.14	490,030.86
44000 - Connection Fees	450,000.00	450,000.00	0.00	137,555.69	312,444.31
44500 - Capital Contributions - Revenue	0.00	0.00	0.00	-3,750.00	3,750.00
49000 - Other Non-Operating Revenue	60,000.00	60,000.00	0.00	19,950.53	40,049.47
<b>Revenue Total:</b>	<b>1,600,000.00</b>	<b>1,600,000.00</b>	<b>266,490.00</b>	<b>753,725.36</b>	<b>846,274.64</b>
<b>Expense</b>					
54000 - Professional Services	66,000.00	66,000.00	0.00	0.00	66,000.00
55000 - Maintenance	155,000.00	155,000.00	0.00	9,903.01	145,096.99
61000 - Capital Outlay	5,428,000.00	5,428,000.00	13,213.92	1,060,707.78	4,367,292.22
69900 - Transfers Out	1,394,700.00	1,394,700.00	0.00	0.00	1,394,700.00
<b>Expense Total:</b>	<b>7,043,700.00</b>	<b>7,043,700.00</b>	<b>13,213.92</b>	<b>1,070,610.79</b>	<b>5,973,089.21</b>
<b>Fund: 055 - Retail Capital Outlay Surplus (Deficit):</b>	<b>-5,443,700.00</b>	<b>-5,443,700.00</b>	<b>253,276.08</b>	<b>-316,885.43</b>	<b>-5,126,814.57</b>
<b>Total Surplus (Deficit):</b>	<b>-5,443,700.00</b>	<b>-5,443,700.00</b>	<b>253,276.08</b>	<b>-316,885.43</b>	<b>-5,126,814.57</b>

**Fund Summary**

<b>Fund</b>	<b>Original Total Budget</b>	<b>Current Total Budget</b>	<b>MTD Activity</b>	<b>YTD Activity</b>	<b>Budget Remaining</b>
055 - Retail Capital Outlay	-5,443,700.00	-5,443,700.00	253,276.08	-316,885.43	-5,126,814.57
<b>Total Surplus (Deficit):</b>	<b>-5,443,700.00</b>	<b>-5,443,700.00</b>	<b>253,276.08</b>	<b>-316,885.43</b>	<b>-5,786,124.31</b>

## Summary

## Project Summary

Project Number	Project Name	Total Revenue	Total Expense	Revenue Over/ (Under) Expenses
<a href="#">121965</a>	Oak Avenue - American River Canyon I	0.00	99,985.98	-99,985.98
<a href="#">141043</a>	2014 Drought Response - SSWD Antel	0.00	-23,477.00	23,477.00
<a href="#">161100</a>	Floc-Sed Basins & Settle Water Chann	0.00	108,440.70	-108,440.70
<a href="#">161502</a>	ARC Flash Assessment and Improve	0.00	126.00	-126.00
<a href="#">165508</a>	Los Lagos Tank Recoating	0.00	17,811.40	-17,811.40
<a href="#">171101</a>	In-Plant Pump Station Improvements	0.00	232.98	-232.98
<a href="#">171105</a>	Baldwin Reservoir Raw Water Supply I	0.00	7,305.66	-7,305.66
<a href="#">171107</a>	FO 40 Transmission Pipeline Re-Lining	0.00	74,530.00	-74,530.00
<a href="#">171109</a>	GIS Assessment and Implementation	0.00	7,600.00	-7,600.00
<a href="#">175107</a>	5700-5708 & 5640-5682 Main Avenue	0.00	292,362.66	-292,362.66
<a href="#">175109</a>	9151-9219 Oak Avenue Main Replacer	0.00	295,155.05	-295,155.05
<a href="#">175111</a>	Orangevale Avenue Bridge	0.00	-45,400.00	45,400.00
<a href="#">175115</a>	Bacon Pump Station Intrusion Alarm	0.00	208.14	-208.14
<a href="#">175117</a>	Bacon Pressure Zone - Olive Ranch PR	0.00	119,696.29	-119,696.29
<a href="#">175119</a>	Bacon Pressure Zone - Cavitt Stallman	0.00	92,897.97	-92,897.97
<a href="#">181105</a>	Lime System Control & Feeder System	0.00	484.51	-484.51
<a href="#">181110</a>	Alum Feed Pumps Replacement	0.00	39,441.85	-39,441.85
<a href="#">181115</a>	Flocculator Mix Motor Disconnect	0.00	10,806.39	-10,806.39
<a href="#">181120</a>	Lime Grit Containment - Curbing and C	0.00	3,998.89	-3,998.89
<a href="#">181130</a>	Hinkle Reservoir Monitoring Wells Lev	0.00	663.15	-663.15
<a href="#">185115</a>	Lou Place 8" Tray Way to Crown Point	0.00	1,125.00	-1,125.00
<a href="#">185135</a>	Upper & Lower GB Pump Stn Low Flov	0.00	7,770.90	-7,770.90
<a href="#">185150</a>	Utility Billing Software Replacement	0.00	49,833.25	-49,833.25
<a href="#">185175</a>	Los Lagos Tank Overflow Air Gap and C	0.00	1,378.16	-1,378.16
<a href="#">185180</a>	Cavitt Stallman Main - Mystery Crk to	0.00	4,560.00	-4,560.00
<a href="#">185185</a>	Edward Court Mainline - South of Lou	0.00	1,125.00	-1,125.00
<b>Project Totals:</b>		<b>0.00</b>	<b>1,168,662.93</b>	<b>-1,168,662.93</b>

## Group Summary

Group	Total Revenue	Total Expense	Revenue Over/ (Under) Expenses
CIP - Asset	0.00	1,109,945.29	-1,109,945.29
CIP - Capital Contribution	0.00	-23,477.00	23,477.00
CIP - Expense	0.00	74,888.98	-74,888.98
Unplanned CIP	0.00	7,305.66	-7,305.66
<b>Group Totals:</b>	<b>0.00</b>	<b>1,168,662.93</b>	<b>-1,168,662.93</b>

## Type Summary

Type	Total Revenue	Total Expense	Revenue Over/ (Under) Expenses
Administration	0.00	84,963.70	-84,963.70
Engineering	0.00	896,857.56	-896,857.56
Field Services	0.00	208.14	-208.14
Information Technology	0.00	49,833.25	-49,833.25
Water Treatment Plant	0.00	136,800.28	-136,800.28
<b>Type Totals:</b>	<b>0.00</b>	<b>1,168,662.93</b>	<b>-1,168,662.93</b>

## GL Account Summary

GL Account Number	GL Account Name	Total Revenue	Total Expense	Revenue Over/ (Under) Expenses
011-20030	Retentions Payable	0.00	-4,557.71	-4,557.71
011-700-57120	Maintenance - Facility	0.00	75,112.72	75,112.72
011-700-61145	Capital Outlay - WTP & Improv...	0.00	167,506.31	167,506.31
011-700-61150	Capital Outlay - Mains/Pipeline...	0.00	7,305.66	7,305.66
011-700-61155	Capital Outlay - Reservoirs & I...	0.00	663.15	663.15
011-700-61180	Capital Outlay - Software	0.00	3,040.00	3,040.00



**GL Account Summary**

<b>GL Account Number</b>	<b>GL Account Name</b>	<b>Total Revenue</b>	<b>Total Expense</b>	<b>Revenue Over/ (Under) Expenses</b>
011-700-74090	Contributions to Others	0.00	-23,477.00	-23,477.00
050-300-56310	Reg Compliance / Sampling / I...	0.00	12.00	12.00
055-20030	Retentions Payable	0.00	-29,125.73	-29,125.73
055-700-61135	Capital Outlay - Pump Stations...	0.00	237,017.28	237,017.28
055-700-61150	Capital Outlay - Mains/Pipeline...	0.00	679,394.84	679,394.84
055-700-61155	Capital Outlay - Reservoirs & I...	0.00	1,378.16	1,378.16
055-700-61180	Capital Outlay - Software	0.00	54,393.25	54,393.25
	<b>GL Account Totals:</b>	<b>0.00</b>	<b>1,168,662.93</b>	<b>1,168,662.93</b>



San Juan Water District, CA

# Balance Sheet

## Account Summary

As Of 02/28/2018

Account	010 - WHOLESALE	011 - Wholesale Capital Outlay	050 - RETAIL	055 - Retail Capital Outlay	Total
<b>Asset</b>					
<b>Type: 1000 - Assets</b>					
10010 - Cash and Investments	4,729,703.01	7,864,792.37	3,059,433.66	6,246,082.83	21,900,011.87
10510 - Accounts Receivable	1,882.47	1.60	77,337.55	0.82	79,222.44
11000 - Inventory	0.00	0.00	117,782.37	0.00	117,782.37
12000 - Prepaid Expense	29,920.00	0.00	29,920.00	0.00	59,840.00
14010 - Deferred Outflows	3,807,198.73	0.00	4,338,875.61	0.00	8,146,074.34
17010 - Capital Assets - Work in Progress	7,215,473.32	0.00	180,843.87	0.00	7,396,317.19
17150 - Capital Assets - Land Non-depreciable	98,212.00	0.00	166,272.00	0.00	264,484.00
17160 - Capital Assets - Land Improvements	814,105.59	0.00	75,884.80	0.00	889,990.39
17200 - Capital Assets - Pump Stations & Improvements	7,047,178.00	0.00	5,527,475.04	0.00	12,574,653.04
17300 - Capital Assets - Buildings & Improvements	1,296,460.92	0.00	55,440.68	0.00	1,351,901.60
17350 - Capital Assets - Water Treatment Plant & Imp	28,346,992.84	0.00	16,000.00	0.00	28,362,992.84
17400 - Capital Assets - Mains/Pipelines & Improvements	29,233,857.10	0.00	42,354,004.73	0.00	71,587,861.83
17500 - Capital Assets - Reservoirs & Improvements	2,862,601.82	0.00	2,492,422.47	0.00	5,355,024.29
17700 - Capital Assets - Equipment & Furniture	13,612,154.78	0.00	1,041,601.61	0.00	14,653,756.39
17750 - Capital Assets - Vehicles	331,446.00	0.00	461,103.88	0.00	792,549.88
17800 - Capital Assets - Software	434,195.88	0.00	549,200.37	0.00	983,396.25
17850 - Capital Assets - Intangible	666,196.00	0.00	0.00	0.00	666,196.00
17900 - Less Accumulated Depreciation	-33,510,353.32	0.00	-26,750,260.74	0.00	-60,260,614.06
19015 - 2012 Premiums on Refunding Bonds	-617,056.22	0.00	-335,044.10	0.00	-952,100.32
<b>Total Type 1000 - Assets:</b>	<b>66,400,168.92</b>	<b>7,864,793.97</b>	<b>33,458,293.80</b>	<b>6,246,083.65</b>	<b>113,969,340.34</b>
<b>Total Asset:</b>	<b>66,400,168.92</b>	<b>7,864,793.97</b>	<b>33,458,293.80</b>	<b>6,246,083.65</b>	<b>113,969,340.34</b>
<b>Liability</b>					
<b>Type: 2000 - Liabilities</b>					
20010 - Accounts Payable	-22,635.54	16,611.93	48,748.90	67,880.81	110,606.10
20100 - Retentions Payable	0.00	305,733.56	0.00	50,835.24	356,568.80
21200 - Salaries & Benefits Payable	29,200.23	0.00	45,426.69	0.00	74,626.92
21300 - Compensated Absences	261,729.13	0.00	418,831.09	0.00	680,560.22
21500 - Premium on Issuance of Bonds Series 2017	1,450,091.81	0.00	815,676.64	0.00	2,265,768.45
21600 - OPEB Liability	100,396.44	0.00	127,509.04	0.00	227,905.48
21700 - Pension Liability	3,346,571.65	0.00	4,621,457.65	0.00	7,968,029.30
22010 - Deferred Income	0.00	0.00	55,466.07	0.00	55,466.07
22050 - Deferred Inflows	260,874.00	0.00	360,252.00	0.00	621,126.00
24000 - Current Bonds Payables	301,366.50	0.00	163,633.50	0.00	465,000.00
24200 - 2012 Bonds Payable	6,095,921.23	0.00	3,309,913.11	0.00	9,405,834.34

**Balance Sheet**

As Of 02/28/2018

Account	010 - WHOLESALE	011 - Wholesale Capital Outlay	050 - RETAIL	055 - Retail Capital Outlay	Total
24250 - Bonds Payable 2017 Refunding	16,115,200.00	0.00	9,064,800.00	0.00	25,180,000.00
<b>Total Type 2000 - Liabilities:</b>	<b>27,938,715.45</b>	<b>322,345.49</b>	<b>19,031,714.69</b>	<b>118,716.05</b>	<b>47,411,491.68</b>
<b>Total Liability:</b>	<b>27,938,715.45</b>	<b>322,345.49</b>	<b>19,031,714.69</b>	<b>118,716.05</b>	<b>47,411,491.68</b>
<b>Equity</b>					
<b>Type: 3000 - Equity</b>					
30100 - Investment in Capital Assets	34,085,186.41	0.00	12,608,477.99	0.00	46,693,664.40
30500 - Designated Reserves	1,709,487.86	6,708,353.97	2,127,651.65	6,444,253.03	16,989,746.51
<b>Total Type 3000 - Equity:</b>	<b>35,794,674.27</b>	<b>6,708,353.97</b>	<b>14,736,129.64</b>	<b>6,444,253.03</b>	<b>63,683,410.91</b>
<b>Total Total Beginning Equity:</b>	<b>35,794,674.27</b>	<b>6,708,353.97</b>	<b>14,736,129.64</b>	<b>6,444,253.03</b>	<b>63,683,410.91</b>
Total Revenue	7,210,542.17	1,105,255.41	6,096,391.60	753,725.36	15,165,914.54
Total Expense	4,543,762.97	271,160.90	6,405,942.13	1,070,610.79	12,291,476.79
<b>Revenues Over/Under Expenses</b>	<b>2,666,779.20</b>	<b>834,094.51</b>	<b>-309,550.53</b>	<b>-316,885.43</b>	<b>2,874,437.75</b>
<b>Total Equity and Current Surplus (Deficit):</b>	<b>38,461,453.47</b>	<b>7,542,448.48</b>	<b>14,426,579.11</b>	<b>6,127,367.60</b>	<b>66,557,848.66</b>
<b>Total Liabilities, Equity and Current Surplus (Deficit):</b>	<b>66,400,168.92</b>	<b>7,864,793.97</b>	<b>33,458,293.80</b>	<b>6,246,083.65</b>	<b>113,969,340.34</b>



San Juan Water District, CA

# Check Report

By Check Number

Date Range: 02/01/2018 - 02/28/2018

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Bank Code: APBNK-APBNK</b>						
03596	Keil, Robert OR Michelle	02/02/2018	Regular	0.00	-7.78	52041
01073	Amarjeet Singh Garcha	02/05/2018	Regular	0.00	1,500.00	52353
03622	Barsotti, Antonio C	02/05/2018	Regular	0.00	10.00	52354
03623	Baughner, Pam	02/05/2018	Regular	0.00	208.64	52355
03625	Bogdanovich, Tatyana OR Paul	02/05/2018	Regular	0.00	130.00	52356
03594	Borges & Mahoney, Inc.	02/05/2018	Regular	0.00	758.03	52357
01378	Clark Pest Control of Stockton	02/05/2018	Regular	0.00	1,825.00	52358
01433	Crusader Fence Co., Inc.	02/05/2018	Regular	0.00	8,086.00	52359
03173	Foley, Jacqueline	02/05/2018	Regular	0.00	267.55	52360
01634	Folsom Lake Ford, Inc.	02/05/2018	Regular	0.00	264.92	52361
01920	Freeman, Kent L.	02/05/2018	Regular	0.00	5,635.00	52362
01681	Golden State Flow Measurements, Inc.	02/05/2018	Regular	0.00	7,401.82	52363
03091	Granite Bay Ace Hardware	02/05/2018	Regular	0.00	86.88	52364
01710	Greenback Equipment Rentals, Inc.	02/05/2018	Regular	0.00	95.05	52365
03308	Hope Industrial Systems, Inc	02/05/2018	Regular	0.00	520.87	52366
01483	Hyde Veith, Denise	02/05/2018	Regular	0.00	64.27	52367
03596	Keil, Robert OR Michelle	02/05/2018	Regular	0.00	7.78	52368
02022	Morgan, Daren P.	02/05/2018	Regular	0.00	108.04	52369
02131	Office Depot, Inc.	02/05/2018	Regular	0.00	362.21	52370
02150	Pace Supply Corp	02/05/2018	Regular	0.00	6,574.06	52371
02210	Placer County Water Agency	02/05/2018	Regular	0.00	12,737.93	52372
02292	Rexel, Inc.	02/05/2018	Regular	0.00	264.29	52373
02302	Riebes Auto Parts, LLC	02/05/2018	Regular	0.00	38.79	52374
02328	Rocklin Windustrial Co	02/05/2018	Regular	0.00	413.28	52375
03480	Sacramento River Watershed Program	02/05/2018	Regular	0.00	1,000.00	52376
03624	Sinclair, Martha	02/05/2018	Regular	0.00	70.47	52377
01411	SureWest Telephone	02/05/2018	Regular	0.00	1,613.17	52378
02651	United Parcel Service Inc	02/05/2018	Regular	0.00	117.79	52379
01687	W. W. Grainger, Inc.	02/05/2018	Regular	0.00	492.56	52380
01073	Amarjeet Singh Garcha	02/12/2018	Regular	0.00	120.00	52381
01164	Backflow Distributors Inc	02/12/2018	Regular	0.00	1,465.94	52382
01368	Citrus Heights Water District	02/12/2018	Regular	0.00	4,410.02	52383
01373	City of Roseville	02/12/2018	Regular	0.00	3,288.12	52384
03626	First Church of Christ Scientist	02/12/2018	Regular	0.00	62.86	52385
01630	FM Graphics, Inc.	02/12/2018	Regular	0.00	669.26	52386
01659	Gary Webb Trucking	02/12/2018	Regular	0.00	220.50	52387
03091	Granite Bay Ace Hardware	02/12/2018	Regular	0.00	110.15	52388
01741	HDR Engineering, Inc.	02/12/2018	Regular	0.00	2,465.50	52389
01959	Les Schwab Tire Centers of California Inc	02/12/2018	Regular	0.00	179.03	52390
02131	Office Depot, Inc.	02/12/2018	Regular	0.00	775.89	52391
02150	Pace Supply Corp	02/12/2018	Regular	0.00	736.07	52392
02146	PG&E	02/12/2018	Regular	0.00	1,978.29	52393
03150	Professional Id Cards Inc	02/12/2018	Regular	0.00	11.95	52394
02283	Recology Auburn Placer	02/12/2018	Regular	0.00	640.70	52395
02293	RFI Enterprises, Inc	02/12/2018	Regular	0.00	49.86	52396
03554	Strategy Driver, Inc.	02/12/2018	Regular	0.00	2,731.45	52397
02638	Tyler Technologies, Inc.	02/12/2018	Regular	0.00	2,437.50	52398
03392	Abercrombie, John B.	02/22/2018	Regular	0.00	360.00	52399
03594	Borges & Mahoney, Inc.	02/22/2018	Regular	0.00	1,363.85	52400
01234	Bryce Consulting, Inc.	02/22/2018	Regular	0.00	5,120.00	52401
03149	Burlingame Engineers	02/22/2018	Regular	0.00	15,694.84	52402
01372	City of Folsom	02/22/2018	Regular	0.00	30.24	52403
01378	Clark Pest Control of Stockton	02/22/2018	Regular	0.00	838.00	52404
01423	County of Sacramento	02/22/2018	Regular	0.00	112.00	52405

## Check Report

Date Range: 02/01/2018 - 02/28/2018

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
01494	Dewey Services Inc.	02/22/2018	Regular	0.00	85.00	52406
01634	Folsom Lake Ford, Inc.	02/22/2018	Regular	0.00	78.62	52407
01659	Gary Webb Trucking	02/22/2018	Regular	0.00	1,043.25	52408
03091	Granite Bay Ace Hardware	02/22/2018	Regular	0.00	260.28	52409
01710	Greenback Equipment Rentals, Inc.	02/22/2018	Regular	0.00	109.34	52410
01733	Harris Industrial Gases	02/22/2018	Regular	0.00	56.79	52411
01763	Holt of California	02/22/2018	Regular	0.00	310.00	52412
03072	HUNT & SONS INC.	02/22/2018	Regular	0.00	1,028.09	52413
01986	Maintenance Connection, Inc	02/22/2018	Regular	0.00	13,793.48	52414
02024	MCI WORLDCOM	02/22/2018	Regular	0.00	203.67	52415
02093	NDS Solutions, Inc	02/22/2018	Regular	0.00	256.80	52416
02121	Northern Tool & Equipment Co. Inc.	02/22/2018	Regular	0.00	55.30	52417
02131	Office Depot, Inc.	02/22/2018	Regular	0.00	893.58	52418
02150	Pace Supply Corp	02/22/2018	Regular	0.00	2,774.19	52419
02146	PG&E	02/22/2018	Regular	0.00	10.00	52420
02281	Ray A Morgan Company Inc	02/22/2018	Regular	0.00	65.18	52421
02223	Rexel Inc (Platt - Rancho Cordova)	02/22/2018	Regular	0.00	1,062.01	52422
02302	Riebes Auto Parts, LLC	02/22/2018	Regular	0.00	26.11	52423
02328	Rocklin Windustrial Co	02/22/2018	Regular	0.00	189.55	52424
03584	Sac Valley Trailer Sales Inc.	02/22/2018	Regular	0.00	5,388.13	52425
02379	Sacramento Metropolitan Chamber of Commerce	02/22/2018	Regular	0.00	1,000.00	52426
02357	Sacramento Municipal Utility District (SMUD)	02/22/2018	Regular	0.00	8,701.31	52427
02580	The Eidam Corporation	02/22/2018	Regular	0.00	6,150.15	52428
02463	The New AnswerNet	02/22/2018	Regular	0.00	265.00	52429
02638	Tyler Technologies, Inc.	02/22/2018	Regular	0.00	4,437.50	52430
02667	US Bank Corporate Payments Sys (CalCard)	02/22/2018	Regular	0.00	13,940.05	52431
	**Void**	02/22/2018	Regular	0.00	0.00	52432
	**Void**	02/22/2018	Regular	0.00	0.00	52433
	**Void**	02/22/2018	Regular	0.00	0.00	52434
	**Void**	02/22/2018	Regular	0.00	0.00	52435
	**Void**	02/22/2018	Regular	0.00	0.00	52436
	**Void**	02/22/2018	Regular	0.00	0.00	52437
	**Void**	02/22/2018	Regular	0.00	0.00	52438
02690	Verizon Wireless	02/22/2018	Regular	0.00	3,749.94	52439
02700	Viking Shred LLC	02/22/2018	Regular	0.00	50.00	52440
01687	W. W. Grainger, Inc.	02/22/2018	Regular	0.00	372.73	52441
02716	WATER EDUCATION FOUNDATION	02/22/2018	Regular	0.00	8,270.00	52442
03445	Zlotnick, Greg	02/22/2018	Regular	0.00	616.80	52443
01375	City of Sacramento	02/26/2018	Regular	0.00	3,623.50	52444
01706	Graymont Western US Inc.	02/26/2018	Regular	0.00	6,237.48	52445
03627	Mckay, James	02/26/2018	Regular	0.00	119.32	52446
02131	Office Depot, Inc.	02/26/2018	Regular	0.00	293.80	52447
02150	Pace Supply Corp	02/26/2018	Regular	0.00	688.29	52448
03026	PFM Asset Management	02/26/2018	Regular	0.00	928.12	52449
03183	River City Printers LLC	02/26/2018	Regular	0.00	1,520.75	52450
01232	Brower Mechanical, Inc.	02/05/2018	EFT	0.00	195.53	405262
01589	Eurofins Eaton Analytical, Inc	02/05/2018	EFT	0.00	224.00	405263
01721	Hach Company	02/05/2018	EFT	0.00	4,316.41	405264
03593	Hanneman, Martin W	02/05/2018	EFT	0.00	123.09	405265
02027	Mcmaster-Carr Supply Company	02/05/2018	EFT	0.00	1,154.24	405266
02286	Regional Water Authority	02/05/2018	EFT	0.00	2,000.00	405267
02308	River City Staffing, Inc.	02/05/2018	EFT	0.00	978.00	405268
02564	Telstar Instruments	02/05/2018	EFT	0.00	668.56	405269
03403	TESSCO Technologies, Incorporated	02/05/2018	EFT	0.00	297.18	405270
01521	DataProse, LLC	02/12/2018	EFT	0.00	10,667.40	405271
01509	Domenichelli & Associates, Inc.	02/12/2018	EFT	0.00	11,000.00	405272
03523	Eckersall, Scott V.	02/12/2018	EFT	0.00	950.00	405273
03377	RDO Construction Equipment Co.	02/12/2018	EFT	0.00	1,673.41	405274
02162	Tobin, Pamela	02/12/2018	EFT	0.00	83.12	405275
03387	WageWorks, Inc	02/12/2018	EFT	0.00	351.15	405276
02710	WageWorks, Inc	02/12/2018	EFT	0.00	430.00	405277

Check Report

Date Range: 02/01/2018 - 02/28/2018

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
01336	Central Valley Engineering & Asphalt, Inc.	02/22/2018	EFT	0.00	59,000.00	405278
03063	D&T Fiberglass, Inc.	02/22/2018	EFT	0.00	6,540.00	405279
01589	Eurofins Eaton Analytical, Inc	02/22/2018	EFT	0.00	1,419.00	405280
01917	Kennedy/Jenks Consultants, Inc.	02/22/2018	EFT	0.00	657.50	405281
02027	Mcmaster-Carr Supply Company	02/22/2018	EFT	0.00	743.39	405282
01472	Mel Dawson, Inc.	02/22/2018	EFT	0.00	5,510.06	405283
02158	Pacific Storage Company	02/22/2018	EFT	0.00	26.33	405284
02308	River City Staffing, Inc.	02/22/2018	EFT	0.00	1,956.00	405285
02495	Spraying Systems Co	02/22/2018	EFT	0.00	4,918.54	405286
03298	United Rentals (North America), Inc.	02/22/2018	EFT	0.00	4,872.05	405287
01282	California Independent System Operator Corporat	02/26/2018	EFT	0.00	416.64	405288
01589	Eurofins Eaton Analytical, Inc	02/26/2018	EFT	0.00	945.00	405289
03237	GM Construction & Developers, Inc	02/26/2018	EFT	0.00	19,886.91	405290
01790	Industrial Safety Supply Corp of California	02/26/2018	EFT	0.00	667.50	405291
01938	Kyle Yates, Inc.	02/26/2018	EFT	0.00	590.25	405292
01736	MailFinance Inc	02/26/2018	EFT	0.00	489.23	405293
03474	Paco Ventures, LLC	02/26/2018	EFT	0.00	94.98	405294
02308	River City Staffing, Inc.	02/26/2018	EFT	0.00	965.78	405295
02710	WageWorks, Inc	02/26/2018	EFT	0.00	86.00	405296
02730	Western Area Power Administration	02/26/2018	EFT	0.00	3,079.00	405297
03077	VALIC	02/09/2018	Bank Draft	0.00	4,381.76	0007360904
03077	VALIC	02/23/2018	Bank Draft	0.00	4,387.99	0007372598
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	37,313.46	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	-0.19	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	196.81	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	37,313.46	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	38,114.68	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	131.04	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	246.27	1001009361
03078	CalPERS Health	02/02/2018	Bank Draft	0.00	-196.81	1001009361
03130	CalPERS Retirement	02/09/2018	Bank Draft	0.00	30,039.47	1001016544
01366	Citistreet/CalPERS 457	02/09/2018	Bank Draft	0.00	2,805.30	1001016558
03130	CalPERS Retirement	02/23/2018	Bank Draft	0.00	31,228.07	1001023722
01366	Citistreet/CalPERS 457	02/23/2018	Bank Draft	0.00	2,866.68	1001023731
03080	California State Disbursement Unit	02/09/2018	Bank Draft	0.00	750.92	RZ802BJ6657
03163	Economic Development Department	02/12/2018	Bank Draft	0.00	7,452.88	0-240-802-880
03080	California State Disbursement Unit	02/22/2018	Bank Draft	0.00	750.92	54RBBTNT6659
03163	Economic Development Department	02/23/2018	Bank Draft	0.00	7,684.71	1-609-841-728
03078	CalPERS Health	02/01/2018	Bank Draft	0.00	131.04	DO NOT UPDATI
01039	American Family Life Assurance Company of Colu	02/23/2018	Bank Draft	0.00	567.86	Q3869 02-23-18
01039	American Family Life Assurance Company of Colu	02/23/2018	Bank Draft	0.00	567.84	Q3869 02-23-18
01039	American Family Life Assurance Company of Colu	02/23/2018	Bank Draft	0.00	-0.02	Q3869 02-23-18
03164	Internal Revenue Service	02/12/2018	Bank Draft	0.00	42,252.43	2708443856939
03164	Internal Revenue Service	02/23/2018	Bank Draft	0.00	44,613.33	2708454147772

Bank Code APBNK Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	135	91	0.00	185,180.53
Manual Checks	0	0	0.00	0.00
Voided Checks	0	8	0.00	-7.78
Bank Drafts	24	24	0.00	293,599.90
EFT's	74	36	0.00	147,976.25
	<b>233</b>	<b>159</b>	<b>0.00</b>	<b>626,748.90</b>

### All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	135	91	0.00	185,180.53
Manual Checks	0	0	0.00	0.00
Voided Checks	0	8	0.00	-7.78
Bank Drafts	24	24	0.00	293,599.90
EFT's	74	36	0.00	147,976.25
	<b>233</b>	<b>159</b>	<b>0.00</b>	<b>626,748.90</b>

### Fund Summary

Fund	Name	Period	Amount
999	INTERCOMPANY	2/2018	626,748.90
			<b>626,748.90</b>



San Juan Water District, CA

# Vendor History Report

By Vendor Name

Posting Date Range 07/01/2017 - 02/28/2018

Payment Date Range -

Payable Number	Description	Post Date	1099	Payment Number	Payment Date	Amount	Shipping	Tax	Discount	Net	Payment
Item Description	Units	Price	Amount	Account Number	Account Name	Dist Amount					
<b>Vendor Set: 01 - Vendor Set 01</b>											
<b>02556 - Costa, Ted</b>											
Mileage Reimb 11-2017	ACWA Fall Conference-Mileage Reimburse	11/30/2017		52171	12/18/2017	455.82	0.00	0.00	0.00	455.82	455.82
ACWA Fall Conference-M	0.00	0.00	455.82	010-010-52110	Training - Meetings, Education & Trai	227.91					
				050-010-52110	Training - Meetings, Education & Trai	227.91					
<b>01916 - Miller, Ken</b>											
Mileage Reimb 11-2017	Mileage-ACWA Fall Conferemce	11/30/2017		52153	12/12/2017	468.66	0.00	0.00	0.00	468.66	468.66
Mileage-ACWA Fall Confe	0.00	0.00	468.66	010-010-52110	Training - Meetings, Education & Trai	234.33					
				050-010-52110	Training - Meetings, Education & Trai	234.33					
<b>03092 - Rich, Dan</b>											
Exp Reimb 11-2017	ACWA Fall Conference-Uber Expense Reimb	12/4/2017		52240	1/5/2018	70.27	0.00	0.00	0.00	70.27	70.27
ACWA Fall Conference-U	0.00	0.00	70.27	010-010-52110	Training - Meetings, Education & Trai	35.14					
				050-010-52110	Training - Meetings, Education & Trai	35.13					
<b>02162 - Tobin, Pamela</b>											
Exp Reimb 01-2018	ACWA, RWA,Mtng w/M.Hanneman-Mileage	1/31/2018		405275	2/12/2018	83.12	0.00	0.00	0.00	83.12	83.12
ACWA, RWA,Mtng w/M.H	0.00	0.00	83.12	010-010-52110	Training - Meetings, Education & Trai	41.56					
				050-010-52110	Training - Meetings, Education & Trai	41.56					
Exp Reimb 02-2018	ACWA Conf & Mtngs- Mileage,Meals&Cab	2/28/2018		405314	3/12/2018	330.82	0.00	0.00	0.00	330.82	330.82
ACWA Conf & Mtngs- Mile	0.00	0.00	330.82	010-010-52110	Training - Meetings, Education & Trai	165.41					
				050-010-52110	Training - Meetings, Education & Trai	165.41					
Exp Reimb 08-2017	Exp Reimb 08-2017-Lunch w/M. Hanneman	8/31/2017		405072	9/14/2017	55.04	0.00	0.00	0.00	55.04	55.04
Exp Reimb 08-2017-Lunch	0.00	0.00	55.04	010-010-52110	Training - Meetings, Education & Trai	27.52					
				050-010-52110	Training - Meetings, Education & Trai	27.52					
Exp Reimb 09-2017	Mileage&Meal Reimbursement 09-2017	9/30/2017		405125	10/20/2017	100.55	0.00	0.00	0.00	100.55	100.55
Mileage&Meal Reimburs	0.00	0.00	100.55	010-010-52110	Training - Meetings, Education & Trai	50.28					
				050-010-52110	Training - Meetings, Education & Trai	50.27					
Exp Reimb 11-2017	Mileage&ExpenseReimb-ACWA Fall Conferen	11/30/2017		405195	12/12/2017	340.26	0.00	0.00	0.00	340.26	340.26
Mileage&ExpenseReimb-	0.00	0.00	340.26	010-010-52110	Training - Meetings, Education & Trai	170.13					
				050-010-52110	Training - Meetings, Education & Trai	170.13					
Exp Reimb 12-2017	ACWA Fall Conf-Mileage & Parking Reimburs	12/29/2017		405240	1/16/2018	91.26	0.00	0.00	0.00	91.26	91.26
ACWA Fall Conf-Mileage	0.00	0.00	91.26	010-010-52110	Training - Meetings, Education & Trai	45.63					
				050-010-52110	Training - Meetings, Education & Trai	45.63					
Mileage & Parking 07-2017	Mileage&Prkng07-2017-CapitolHearingRubio	7/31/2017		405072	9/14/2017	41.31	0.00	0.00	0.00	41.31	41.31



**Vendor History Report**

**Posting Date Range 07/01/2017 - 02/28/2018**

Payable Number	Description	Post Date	1099	Payment Number	Payment Date	Amount	Shipping	Tax	Discount	Net	Payment	
Item Description	Units	Price	Amount	Account Number	Account Name	Dist Amount						
Mileage&Prkng07-2017-C	0.00	0.00	41.31	010-010-52110	Training - Meetings, Education & Trai	20.66						
				050-010-52110	Training - Meetings, Education & Trai	20.65						
Mileage Reimb 10-2017	Mileage Reimbursement 10-2017	10/30/2017		405144	11/6/2017	45.48	0.00	0.00	0.00	45.48	45.48	
Mileage-M. Emerson Mtr	0.00	0.00	45.48	010-010-52110	Training - Meetings, Education & Trai	22.74						
				050-010-52110	Training - Meetings, Education & Trai	22.74						
<b>Vendors: (4)</b>						<b>Total 01 - Vendor Set 01:</b>	<b>2,082.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,082.59</b>	<b>2,082.59</b>
<b>Vendors: (4)</b>						<b>Report Total:</b>	<b>2,082.59</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,082.59</b>	<b>2,082.59</b>



Payroll Set: 01-San Juan Water District

<u>Employee Number</u>	<u>Employee Name</u>	<u>Pay Code</u>	<u># of Payments</u>	<u>Units</u>	<u>Pay Amount</u>
<a href="#">0690</a>	Costa,Ted	Reg - Regular Hours	6	43.00	5,375.00
			<b>0690 - Costa Total:</b>	<b>43.00</b>	<b>5,375.00</b>
<a href="#">1028</a>	Hanneman,Martin W	Reg - Regular Hours	4	19.00	2,375.00
			<b>1028 - Hanneman Total:</b>	<b>19.00</b>	<b>2,375.00</b>
<a href="#">0670</a>	Miller,Ken	Reg - Regular Hours	8	47.00	5,875.00
			<b>0670 - Miller Total:</b>	<b>47.00</b>	<b>5,875.00</b>
<a href="#">1003</a>	Rich,Daniel T	Reg - Regular Hours	3	27.00	3,375.00
			<b>1003 - Rich Total:</b>	<b>27.00</b>	<b>3,375.00</b>
<a href="#">0650</a>	Tobin,Pamela	Reg - Regular Hours	8	62.00	7,750.00
			<b>0650 - Tobin Total:</b>	<b>62.00</b>	<b>7,750.00</b>
			<b>Report Total:</b>	<b>198.00</b>	<b>24,750.00</b>



Payroll Set: 01-San Juan Water District

<u>Account</u>	<u>Account Description</u>	<u>Units</u>	<u>Pay Amount</u>
<a href="#">010-010-58110</a>	Director - Stipend	99.00	12,375.00
	<b>010 - WHOLESALE Total:</b>	<b>99.00</b>	<b>12,375.00</b>
<a href="#">050-010-58110</a>	Director - Stipend	99.00	12,375.00
	<b>050 - RETAIL Total:</b>	<b>99.00</b>	<b>12,375.00</b>
	<b>Report Total:</b>	<b>198.00</b>	<b>24,750.00</b>



# Pay Code Report

Pay Code Summary

7/1/2017 - 2/28/2018

Payroll Set: 01-San Juan Water District

<u>Pay Code</u>	<u>Description</u>	<u># of Payments</u>	<u>Units</u>	<u>Pay Amount</u>
Reg	Regular Hours	29	198.00	24,750.00
		<b>Report Total:</b>	<b>198.00</b>	<b>24,750.00</b>

**2017/18 Actual Deliveries and Revenue - By Wholesale Customer Agency**

July 2017 - February 2018								
	Budgeted Deliveries	Budgeted Revenue	Actual Deliveries	Actual Revenue	Delivery Variance		Revenue Variance	
San Juan Retail	8,320.82	1,868,260	7,993.82	\$ 1,835,727	(327.00)	<b>-3.9%</b>	\$ (32,533)	-1.7%
Citrus Heights Water District	7,211.31	\$ 1,837,012	7,678.38	\$ 1,874,910	467.07	6.5%	\$ 37,898	2.1%
Fair Oaks Water District	6,156.99	\$ 1,397,109	3,984.52	\$ 1,220,834	(2,172.47)	<b>-35.3%</b>	\$ (176,275)	-12.6%
Orange Vale Water Co.	2,801.52	\$ 632,558	2,711.15	\$ 625,226	(90.37)	<b>-3.2%</b>	\$ (7,332)	-1.2%
City of Folsom	704.62	\$ 174,716	778.87	\$ 180,740	74.25	10.5%	\$ 6,024	3.4%
Granite Bay Golf Course	214.07	\$ 8,424	215.58	\$ 8,483	1.51	0.7%	\$ 59	0.7%
Sac Suburban Water District	7,500.00	\$ 1,354,986	7,143.91	\$ 1,156,742	(356.09)	<b>-4.7%</b>	\$ (198,244)	-14.6%
<b>TOTAL</b>	<b>32,909.33</b>	<b>\$ 7,273,064</b>	<b>30,506.23</b>	<b>\$ 6,902,663</b>	<b>(2,403.10)</b>	<b>-7.3%</b>	<b>\$ (370,402)</b>	<b>-5.1%</b>

Budgeted Deliveries	32,909.33
Actual Deliveries	30,506.23
Difference	(2,403.10)
	-7.3%

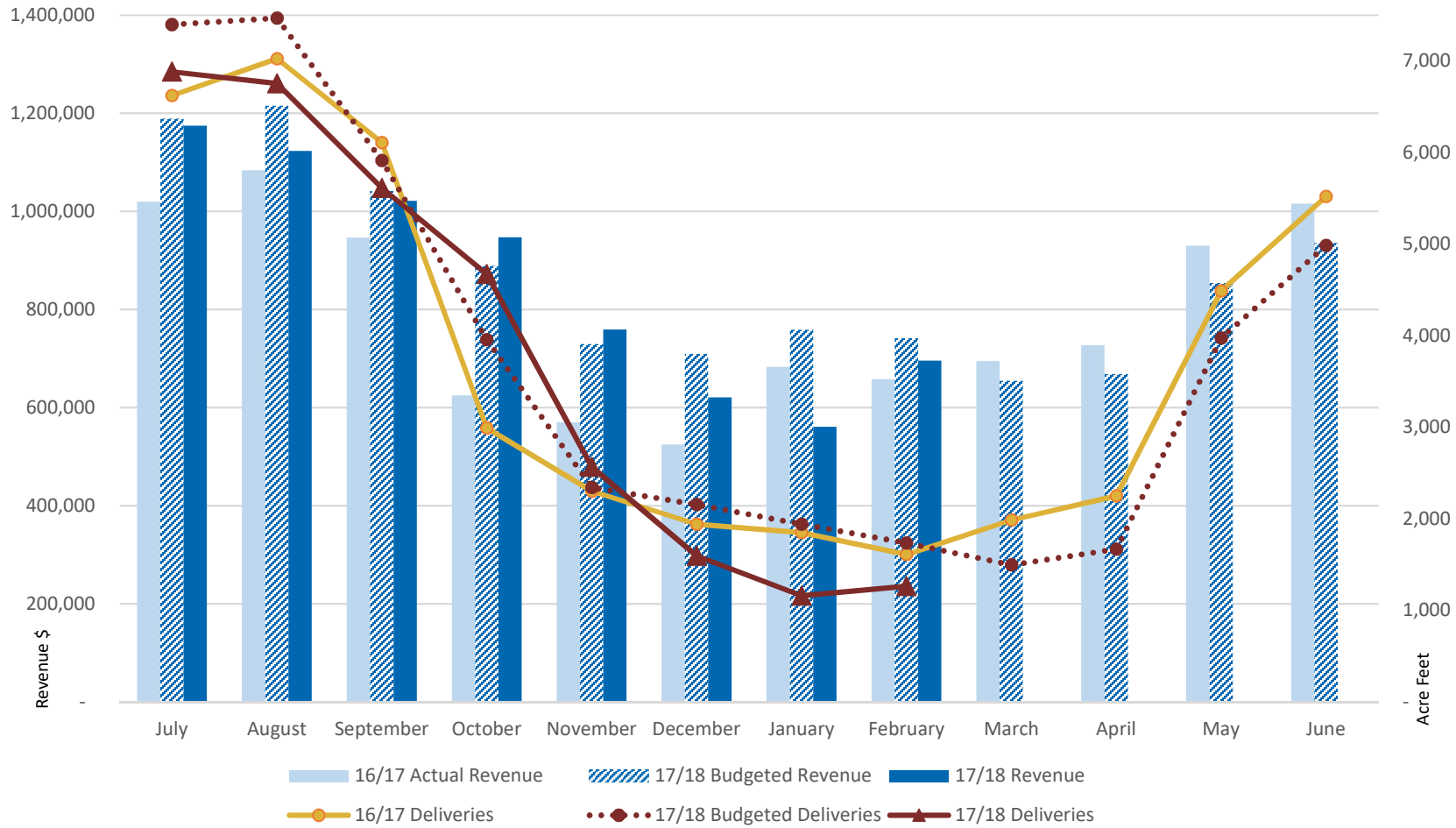
Budgeted Water Sale Revenue	\$7,273,064
Actual Water Sale Revenue	\$6,902,663
Difference	\$ (370,402)
	-5.1%

**Conclusion:**

February deliveries were lower than both the budget and the prior year. Total deliveries through February were below expectations by 2,403 acre feet, or -7.3%, resulting in a revenue shortfall of \$345,166. The variance is due primarily to lower than budgeted deliveries for the Fair Oaks Water District. Due to SSWD's broken pipe, the District did not treat any water for SSWD, which also contributed to less than anticipated revenues.

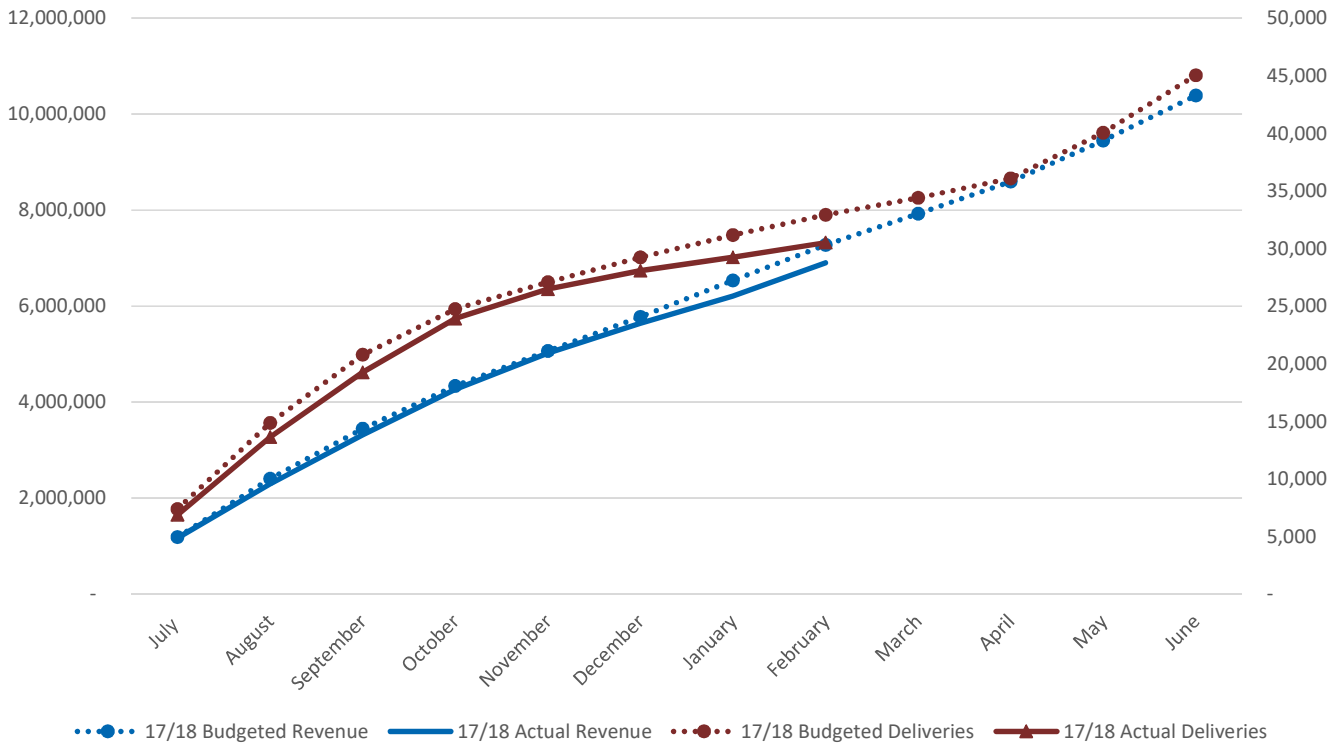
Due to the change in the rate structure, the 7.3% decline in deliveries produces revenues that are 5.1% lower than the budget for the period.

Comparison of Fiscal Year 2016/2017 Actual to 2017/2018 Projections of Deliveries and Revenue

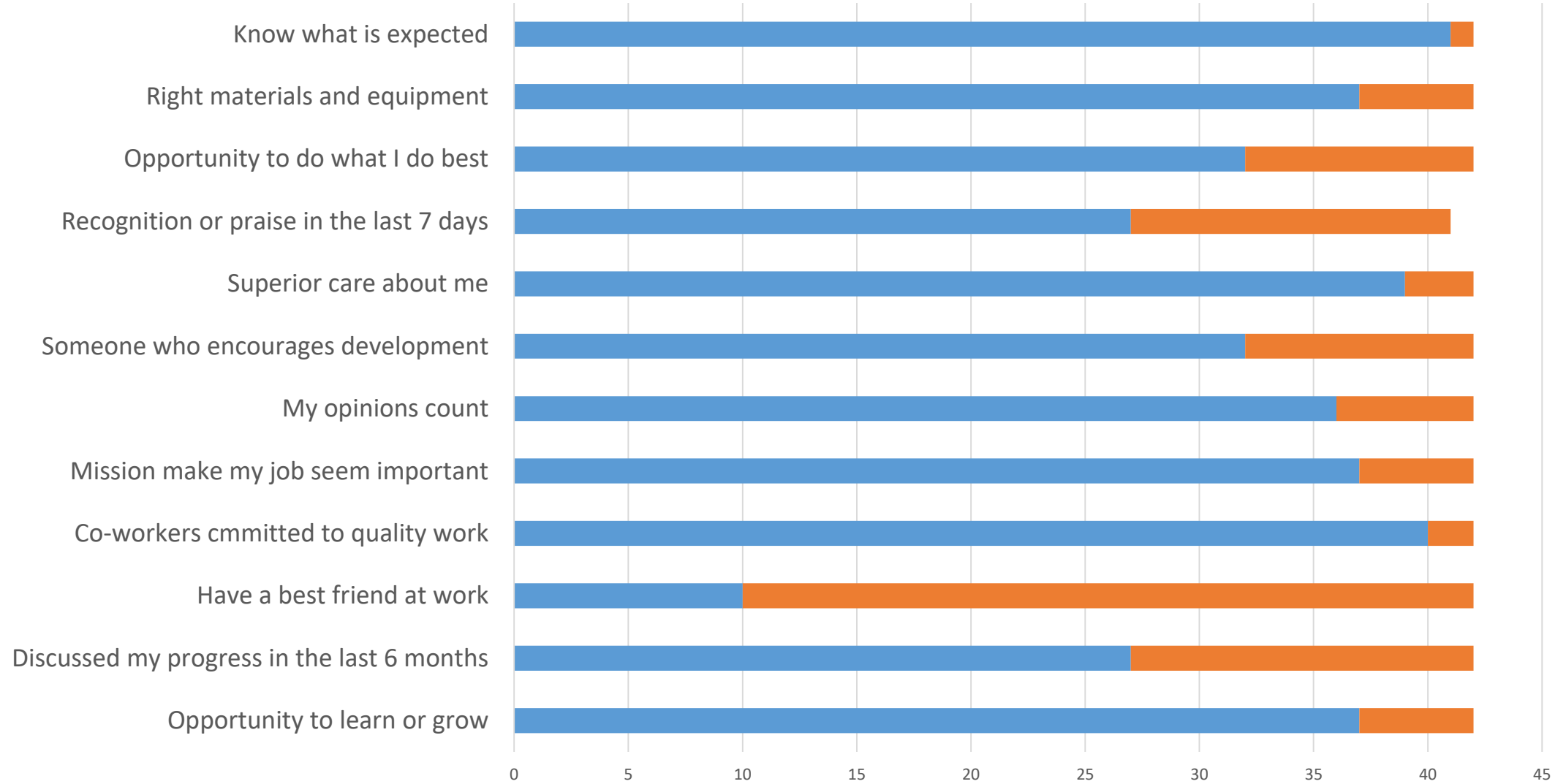


	Deliveries		Revenues	
FY 17-18 Budget	45,030		\$ 10,384,580	
FY 16/17	44,697		\$ 9,477,538	
Difference	333	0.7%	\$ 907,042	10%

### Cumulative Water Deliveries and Revenues FY 2017-18

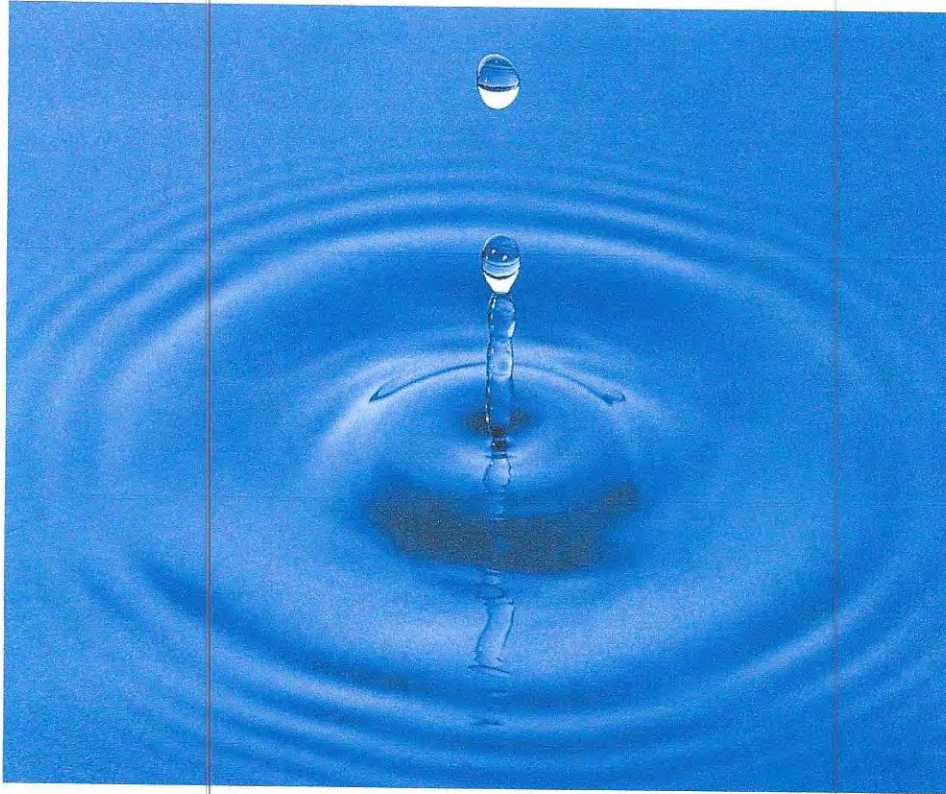


# First Break All the Rules Results: SJWD December 2017





# AGENDA ITEM VIII-1, 2, 3.1 & 3.2



## Report from Director Tobin

ACWA/JPIA/RWA/SGA

San Juan Board Meeting | March 22<sup>nd</sup>, 2018

# ACWA

## *Federal Affairs ~ Annual Washington DC Conference ~ Feb 27- March 1, 2018*

Tuesday, February 27<sup>th</sup>, 2018

The Federal Affairs Conference attendees were broken into 5 Groups. There were 5 people in each group and each person chose a topic for discussion. Mine was water storage and funding. I was in Comprehensive Water Solutions ~Group 2 and our conversations were focused on the topics below.



Bringing  
Water  
Together

Agency or Program	2017 Omnibus	2019 President Request	ACWA Request
<b>EPA</b>			
Clean Water SRF	\$1.39 million	\$1.39 billion	\$1.5 billion
Drinking Water SRF	\$863 million	\$863 million	\$1.5 billion
WIFIA	\$30 million	\$20 million	\$50 million
<b>Interior Department</b>			
<b>Bureau of Reclamation</b>	\$1.15 billion	\$1.05 billion	\$1.5 billion
Title XVI water recycling program and WIIN recycling	\$34.4 million	\$3 million	\$60 million
CalFed	\$37 million	\$35 million	\$40 million
WaterSMART Grants	\$28.5 million	\$10 million	\$30 million
Western Drought	\$44 million	0	\$50 million
WIIN Desalination program	\$6 million	0	\$6 million
WIIN water storage projects	\$67 million	0	\$67 million
WIIN operational review and listed species actions	\$7.0 million	0	\$12 million
<b>Army Corps (Civil Works)</b>			
O&M	\$3.15 billion	\$2.1 billion	\$3.5 billion
Construction	\$1.88 billion	\$872 million	\$2.0 billion

## Comprehensive Water Solutions 2

- 8:00 a.m.** Continental Breakfast, James Monroe Room, St. Regis Hotel, 923 16<sup>th</sup> St 1
- 8:30 a.m.** Welcome by ACWA President Brent Hastey, Federal Affairs Committee Chair Dave Eggerton and Executive Director Tim Quinn and Issue Group Organizational Meeting.
- 10:30 a.m.** John Watts, Environmental Council, Senator Dianne Feinstein, 331 Hart SOB, (202) 224-3841.
- 11:00 a.m.** Lane Dickson, Majority Professional Staff Member, Camille Touton , Minority Professional Staff Member, Senate Energy and Natural Resources Committee, Chair Lisa Murkowski (R-AK), Ranking Member Maria Cantwell (D-WA), 304 Dirksen SOB, (202) 224-4971
- Noon** Lunch – Longworth Cafeteria
- 12:30 p.m.** Tim Itnyre, Legislative Director, Rep. Paul Cook, House Resources Committee, (R-8), 1222 Longworth HOB, (202) 225-5861.
- 2:00 p.m.** Anthony Ratekin, Chief of Staff, Jilian Plank, Legislative Director, Rep. Devin Nunes, 1013 Longworth HOB, (202) 225-3404.
- 3:00 p.m.** Monica Pham, Legislative Assistant, Senator Kamala Harris, 112 Hart SOB, (202) 224-3553.
- 4:00 p.m.** Bryson Wong, Senior Professional Staff member, Chairman Doug Lamborn (R-CO), Water, Power and Oceans subcommittee, 1341 Longworth HOB, (202) 225-6065.
- 6:00 p.m** Congressional Reception: US Botanic Gardens: 100 Maryland Ave, S.W.
- Pending:** Kyle Lombardi, Legislative Director, House Majority Leader Kevin McCarthy, (R-23). 2421 Rayburn HOB. (202) 225-2915.
-



**Wednesday, February 28<sup>th</sup>**

**ACWA/CASA Joint Breakfast Program**

Welcoming was delivered by Brent Hastey, ACWA President and Jeff Moorhouse, CASA President.

Tim Quinn, Exec Director, ACWA & Bobbie Larson, Exec. Director, CASA introduced the conference.

Breakfast speakers included:

- Rep. John Garamendi (D-3)
- Rep. Jeff Denham (R-10)
- John Ashford, 2018 Political Landscape Analyst
- Andre Sawyer, Director, EPA.s Office of Wastewater Management

Many of the legislators that were going to speak to the groups had left due to Billy Graham Laying in State at the Capitol Bldg. So, in the afternoon at the Dirksen Senate Office Bldg. we listened to speakers, any of which were staff from some of the offices of Sen. Feinstein, Joe Sheehy w/ Rep. Napolitano, Kyle Lombardi w/Leader McCarthy, Rep. Peters, Rep. LaMalfa, Rep. Clavert & Rep. Costa

Thursday, March 1<sup>st</sup> hosted a ACWA Breakfast Program with speaker Brenda Burman, who's the new Commissioner of the Bureau of Reclamation. And concluding the program was Bill Guertal, Assistant Director for Water, USGS.

Following that Greg and I met on the hill with Kristi Moore, our Legislative Lobbyist with the Ferguson Group who had set up appointments to meet with legislators to talk about what issues were important to San Juan, which included water rights, the new flow standard manual, conservation, water transfers, funding for infrastructure projects and water storage.

**ACWA Board of Directors – Special Meeting**

March 9, 2018 ~ 10:00 a.m. California Farm Bureau, First Floor Conference Room 2300 River Plaza Drive, Sacramento, CA

Adoption of Resolution for 180-Day CalPERS Wait Period Exception for Jennifer Persike as Retired Annuitant was approved.

## STRATEGIC VISION & PRIORITY WORKSHOP

Tim Quinn announced his retirement at the end of the year 2018. He also gave the 2016-2017 Vision & Priorities in Review followed by the workshop coordinator's, (Ellen Cross) , Board Survey Recap, envision 2018-2019 ACWA Policy & Organizational/all priorities (broken into groups).

Following Lunch was a recap/feedback and larger group discussions. Discussion on new priorities and how to get there were all part of the workshop. Ellen will put together a report on putting ACWA Priorities in Action for the review of the new board.

### **Region 4 Issue Forum Conference Call ~ March 20<sup>th</sup>, 2018 ~ 1:30pm**

A conference call was held to discuss topic for the upcoming ACWA Conference May 8<sup>th</sup>-11<sup>th</sup>, 2018 in Sacramento, CA. Tentatively our topic will be "The Governance of Water...The Good/The Bad & The Ugly". This topic will be supported by a panel of well-informed neutral interesting people familiar with the State Board and other Government Agencies.

We are also moving forward on plans to do a Folsom Dam Tour Thursday morning September 27<sup>th</sup>, 2018. More information will follow as the program is developed but a tentative time to catch the bus in Sacramento will be 9:00 am returning at 12:30am with a box lunch provided.

## **Spending bill includes major wildfire overhaul**

By Timothy Cama - 03/22/18 12:02 PM EDT



The spending bill Congress is considering includes a major, bipartisan effort to overhaul how the U.S. government spends money to fight wildfires on federal land.

The provision in the omnibus appropriations bill, released publicly late Wednesday, is meant to cut down on a practice known as "fire borrowing" in which agencies like the Forest Service and Bureau of Land Management move money meant to reduce fire risks and use it to fight fires.

It also would allow federal agencies to access disaster funds for particularly expensive fires.

A bipartisan group of lawmakers has for years been pushing the policies to give firefighting agencies more predictability in budgeting and cut down on taking funds from other areas.

The problem has been exacerbated in recent years as wildfires have grown more costly and deadlier, due to factors like climate change, drought and increasing development, according to federal researchers and land managers.

“Pacific Northwest lawmakers have worked together to force Congress to finally address the persistent shortfalls in our nation’s wildland firefighting budgets,” Sen. Maria Cantwell (Wash.), the top Democrat on the Energy and Natural Resources Committee and a leader in the fire effort, said in a statement.

“This puts an end to fire-borrowing and is a start to giving the Forest Service the predictable resources they need to reduce hazardous fuels. This funding boost will allow the Forest Service to prioritize work in areas closest to communities, in order to save lives and reduce the risk of property damage, while still protecting essential public lands and existing environmental laws.”

“The FY18 Omnibus spending bill might be one of the most critical pieces of legislation for western members I have seen since coming to Congress,” said Rep. Mike Simpson (R-Idaho).

“It is long past due that wildfires in the west receive equal treatment with other natural disasters and this bill delivers the necessary budget changes to stop the dangerous practice of fire borrowing that has led to catastrophic wildfires in Idaho and throughout the West.”

The wildfire policy garnered praise from various interests, including conservation advocates and the forestry industry.

“In the wake of last year’s devastating megafires, today’s agreement is an essential step towards reducing fire threats and improving the safety of local communities by restoring the health of America’s forests,” said Colin O’Mara, president of the National Wildlife Federation.

“This deal is a result of years of tireless advocacy by bipartisan champions from the Senate and House, conservation organizations, the forest products industry, and state governors and county governments — all of whom joined forces to address this growing crisis — and Congress must ensure its passage in the final omnibus bill,” he said.

“This bi-partisan fix will address both the budgetary erosion that has been occurring for the past ten years, as well as the ‘fire borrowing’ from other programs when funds have been exhausted,” said Tom Martin, president of the American Forest Foundation.

But Rep. Rob Bishop (R-Utah), chairman of the House Natural Resources Committee, slammed the provision, saying it should have included reforms to increase removal of brush and trees from federal land.

“It doesn’t solve the problem. Solving the problem is stopping the damn fires, not spending more money to put them out once they get started,” Bishop said Thursday.

Republicans have supported Bishop’s proposals in the past, and the forestry industry would benefit from increased logging. He blamed Senate Democrats from eastern states, “who don’t know what a forest looks like,” for blocking his suggestions.

“So, there’ll be another fire season, it’ll be the [Senate Minority Leader Charles] Schumer [D-N.Y.] Fire Season of 2018. And everything will burn again, simply because they don’t understand how to actually solve a problem.”

The House could vote on the bill as early as Thursday. The Senate would then have to vote. President Trump would likely sign it if passed.

### FY18 Omni & CA Water - Good News!

Kyle Lombardi, Legislative Director ~ House Majority Leader Kevin McCarthy reported good news regarding the Fiscal Year 2018 omnibus spending bill (H.R. 1625) agreement that was released late last night. The proposal includes bill text funding the below California water storage projects, as requested by the U.S. Interior Department, consistent with the process created in the WIIN Act. This is a big win for increasing storage in California. Once completed, Shasta, Sites, and Temperance Flat will increase storage in our state by more than 3.6M acre-feet.

#### CA Water Projects Funded:

1. \$20M - Shasta Reservoir Enlargement Project – Design & pre-construction work
2. \$4.35M – Sites Reservoir – To complete the long-pending feasibility study
3. \$1.5M – Temperance Flat Reservoir – To complete the long-pending feasibility study
4. \$2.2M – Friant Kern Canal – To begin a feasibility study to address subsidence problems

The House is currently debating the FY18 omnibus agreement (H.R. 1625) and a vote should occur shortly. Once the House passes the bill, it will be sent to the Senate for consideration. Stay tuned.

You can read the bill text funding these projects by going to the link below. It starts on page 420, line 16. The letter referenced in the bill text is



attached. <https://www.gpo.gov/fdsys/pkg/CPRT-115HPRT29374/pdf/CPRT-115HPRT29374.pdf>

You can read the accompanying report language for these projects by going to the link below. Check out page 52 of the PDF.

<http://docs.house.gov/billsthisweek/20180319/DIV%20D%20EW%20SOM%20FY18-OMNI.OCR.pdf>

### **EPA Gets Budget Reprieve in FY18 But Some Query Whether It Will Last**

EPA appears to have largely escaped Trump administration plans to cut its budget by 31 percent in fiscal year 2018 after lawmakers unveiled a spending bill for the remainder of the year that funds the agency at essentially FY17 levels while also increasing funding for key infrastructure programs.

And in a victory for Democrats, environmentalists and their allies, the bill also drops most policy riders and also omits funds requested by the Trump administration for staff buyouts that many feared would have quietly gutted the agency.

Former Obama EPA Region 2 Administrator Judith Enck called the bill “the best environmental news since President Trump was elected” and argued that it also “calls into question [EPA Administrator Scott] Pruitt's early buyout of hundreds of senior EPA career staff who left the agency last year.”

But the spending deal still awaits final Hill approval, and it remains to be seen whether the FY18 package is more than a temporary reprieve from attacks on the agency budget in FY19, with the Trump administration having already pledged to unveil more details of its federal reorganization plans in coming months.

“There are many fights to come,” Environmental Defense Fund Action said in a March 22 press release, calling the FY18 bill a victory for now but citing Trump administration “attacks” on EPA and the agency's critics in Congress.

The **massive omnibus spending bill** provides a total of \$8.058 billion -- essentially flat funding for most EPA accounts

But additional infrastructure-related spending brings agency funding up to about \$8.8 billion -- with \$703 million more for water infrastructure and \$63 million more for Superfund cleanups in addition to base funding levels, according to a summary released by Sen. Tom Udall (D-NM), the ranking Democrat on the Appropriations interior subcommittee.

Accordingly, Udall says, the bill “protects key investments in environmental programs and grants within the EPA budget that were targeted for crippling budget cuts by the Trump administration as well as the House and Senate Republican proposals.”



The funding levels -- and the omission of several controversial proposed policy riders -- underscore the impact of a recent two-year budget deal that boosted allowable domestic spending, as well as the political reality that Hill Republicans need the vote of EPA's Democratic defenders to approve the FY18 spending package.

And the spending measure is also an indicator of Hill Republican impatience at the most drastic proposals for paring back the agency.

The bill's explanatory statement notes that the spending package “does not include any of the requested funds for workforce reshaping” -- a reference to proposed buyouts -- in a notable contrast to prior draft versions of spending bill language that included as much as \$79 million for that purpose.

In addition, the statement says Congress “does not support reductions proposed in the [Trump administration's EPA] budget request unless explicitly noted,” according to the text. And it notes that Hill spending committees do not expect the Agency to consolidate or close any regional offices in FY18.

### **Program Spending**

EPA's environmental programs and management (EPM) account, which funds the bulk of the agency's regulatory work, was among those that escaped steep proposed cuts, receiving level funding of \$2.597 billion. That includes a \$12 million boost from FY17 enacted levels for EPA's popular geographic programs that fund protections in areas like the Chesapeake Bay, Great Lakes and Puget Sound.

The bill also includes level funding for EPM enforcement activities of \$240.6 million as well as flat funding for EPA's science and technology account of \$706 million, taking into account a budget rescission.

Udall in his summary says the funding levels “protects all EPA staff, including all scientists, experts and support personnel, and rejects funding for large scale agency wide buyouts. “

Udall also touts preservation of existing funding for EPA's Integrated Risk Information System -- and language to ensure it remains in EPA's research office -- full funding for EPA state and regional grants with increases for programs such as diesel engine retrofits.

The bill with respect to water infrastructure includes total funding for EPA's programs of \$2.97 billion, including \$2.857 billion for Clean Water and Drinking Water Funds -- an increase of \$600 million from FY17.

Other specific water provisions include funding for both the Water Infrastructure Finance and Innovation Act program, and new funding for programs authorized in the Water Infrastructure Improvements for the Nation Act to support lead testing in schools and

child care centers, specifically \$20 million for lead testing in schools and child care centers, \$20 million for lead reduction in rural areas and \$10 million to help communities comply with the Safe Drinking Water Act.

EPA's Office of Inspector General also receives level funding of \$41.4 million for audits, evaluations and investigations.

The final spending package also omits the most controversial policy riders that would formally restrict EPA activities, riders that Republican appropriators recently suggested were not needed given the Trump administration's plans to ease regulations.

The omitted proposals include language that would have: barred EPA from enforcing a methane rule on oil and gas facilities; delayed submission of state implementation plans to control ozone; blocked federal payment of legal fees related to suits under the Clean Water Act, Clean Air Act and Endangered Species Act; denied funds to implement the social cost of carbon; blocked enforcement of Total Maximum Daily Load limits for the Chesapeake Bay; and expedited withdrawal of the Waters of the U.S. rule without public comment.

However, the spending package does retain a number of previously adopted riders, including language prodding EPA to treat biomass as carbon neutral and barring EPA from requiring Clean Water Act permits for some agriculture practices, and a prohibition on use of funds to regulate lead ammunition.



IN REPLY REFER TO

# United States Department of the Interior

OFFICE OF THE SECRETARY  
Washington, D.C. 20240

FEB 23 2018

The Honorable Rob Bishop  
Chairman, Committee on Natural Resources  
House of Representatives  
Washington, DC 20515

Dear Chairman Bishop:

On May 4, 2017, the Consolidated Appropriations Act (Act) of 2017, Public Law 115-31, was enacted providing appropriations for Fiscal Year (FY) 2017. Division D of the Explanatory Statement which accompanied the Consolidated Appropriations Act specified that "Of the additional funding provided under the heading 'Water Conservation and Delivery', \$67,000,000 shall be for water storage projects as authorized under section 4007 of Public Law 114-322."

Enclosed, please find the report and summary tables detailing how a total of \$33,300,000 of these funds are recommended to be allocated within Reclamation for FY 2018. Seven studies and two projects are recommended to be named in FY 2018 appropriations legislation. This recommendation is consistent with section 4007 of Public Law 114-322, the Water Infrastructure Improvements for the Nation Act (WIIN Act).

Reclamation based its decisions on a thorough review Reclamation-wide to ensure a balanced approach that considered projects and programs on the basis of mission priorities, program objectives, and the requirements contained in the WIIN Act. The Department is pleased to be able to provide the enclosed report.

If you have any questions or need additional information, please contact Mr. Bob Wolf, Director, Program & Budget, Bureau of Reclamation at 202-513-0642.

Sincerely,

Scott J. Cameron  
Principal Deputy Assistant Secretary  
for Policy, Management and Budget  
Exercising the Authority of the Assistant Secretary  
for Policy, Management and Budget

Enclosures

Identical Letter sent to:

The Honorable Lamar Alexander  
Chairman  
Subcommittee on Energy and Water Development  
Committee on Appropriations  
United States Senate  
Washington, DC 20510

The Honorable Dianne Feinstein  
Ranking Member  
Subcommittee on Energy and Water Development  
Committee on Appropriations  
United States Senate  
Washington, DC 20510

The Honorable Mike Simpson  
Chairman  
Subcommittee on Energy and Water Development  
United States House of Representatives  
Washington, DC 20510

The Honorable Marcy Kaptur  
Ranking Member  
Subcommittee on Energy and Water Development  
United States House of Representatives  
Washington, DC 20510

The Honorable Lisa Murkowski  
Chairman, Committee on Energy and Natural Resources  
United States Senate  
Washington, DC 20510

The Honorable Maria Cantwell  
Ranking Member, Committee on Energy and  
Natural Resources  
United States Senate  
Washington, DC 20510

The Honorable Raúl M. Grijalva  
Ranking Member, Committee on Natural Resources  
House of Representatives  
Washington, DC 20515

cc: See next page.



cc: The Honorable Jeff Flake  
Chairman, Subcommittee on Water and Power  
Committee on Energy and Natural Resources  
United States Senate  
Washington, DC 20510

The Honorable Angus S. King Jr.  
Ranking Member  
Subcommittee on Water and Power  
Committee on Energy and Natural Resources  
United States Senate  
Washington, DC 20510

The Honorable Doug Lamborn  
Chairman, Subcommittee on Water, Power and Oceans  
Committee on Natural Resources  
House of Representatives  
Washington DC 20515

The Honorable Jared Huffman  
Ranking Member  
Subcommittee on Water, Power and Oceans  
Committee on Natural Resources  
House of Representatives  
Washington, DC 20515  
(w/encl to each)

**Report to the House and Senate Committees on Appropriations**  
**Distribution of Fiscal Year 2017 Funding for**  
**Water Conservation and Delivery – Pub. L. 114-322 (Section 4007),**  
**Water and Related Resources, Bureau of Reclamation and**  
**Discussion of Criteria and Recommendations**

Summary

The Consolidated Appropriations Act, 2017 (P.L. 115-31) Explanatory Statement specified that “Of the additional funding provided under the heading ‘Water Conservation and Delivery’, \$67,000,000 shall be for water storage projects as authorized under section 4007 of Public Law 114-322.”

In accordance with Section 4007 of the Water Infrastructure Improvements for the Nation Act (P.L. 114-322, or “WIIN Act”), “Projects can only receive funding if enacted appropriations legislation designates funding to them by name, after the Secretary recommends specific projects for funding pursuant to this section and transmits such recommendations to the appropriate committees of Congress.” Therefore, because no projects were named in the appropriations legislation or Explanatory Statement, none of the \$67,000,000 could be used in Fiscal Year (FY) 2017, and it was carried over into FY 2018.

The WIIN Act provides the Secretary with the authority to participate in Federally-owned and State-led water storage projects. Reclamation has identified seven projects using FY 2017 funds recommended for funding in FY 2018 (see Attachments 2 and 3). The projects, which were identified through the Regions, were screened for eligibility and prioritized. Federally owned and state-led storage projects must meet the requirements of the WIIN Act before the Secretary may participate in project implementation. To ensure compliance, and ensure that the Federal government makes sound investment decisions, considerations used in the decision-making included:

Criteria for Studies:

1. Proposed projects must increase surface water storage (and/or groundwater for state-led projects);
2. Studies must have an existing in-progress feasibility study or a completed appraisal-level analysis with potentially viable alternatives identified;
3. Ability to complete the study before program expiration; and
4. Non-federal funds are available and partners are ready to proceed.

Criteria for Construction:

1. Feasibility study (or state-led planning study) has been completed and meets eligibility requirements of the WIIN Act Section 4007:
  - a. Does the project expand surface water storage (or groundwater for state-led projects)?

- b. Is the project technically, environmentally, and financially feasible? (And economically feasible for Federally owned storage projects?)
  - c. Is the Federal share of benefits greater than or equal to the Federal share of costs?
  - d. Is the Federal cost share less than or equal to 25 percent for state-led, or 50 percent for Federally owned storage projects?
  - e. Are all NEPA requirements satisfied?
2. What volume of additional storage (and deliveries) will be made available by the project?
  3. Describe the costs and benefits (economic, environmental, etc.) that will be provided by the storage project; include quantified and unquantified effects.
    - a. What are the annual Federal appropriations requirements? Are they reasonable and realistic?
    - b. Identify the ability of project beneficiaries to pay their share of estimated construction and annual operations and maintenance costs.
    - c. Non-federal funding sources have been identified and/or secured.
  4. What is the projected construction schedule? Identify the timeframe to proceed with construction including the following factors:
  5. Have all outstanding legal, water rights, and public opposition issues been addressed? If not what issues remain to be addressed and what is their current status / timeframe to address them?

Criteria for Funding Prioritization:

1. Project capability during the FY in which funding is requested, as appropriate;
2. Ability to complete projects or discrete segments of the projects;
3. Continued focus on public safety as well as ongoing operation and maintenance requirements;
4. Ability to meet other Federal or court ordered requirements;
5. Ability to make progress towards project completion without increasing future budget requirements;
6. Project's local or Congressional political support, and support of high-priority Administration programs, activities, and requirements;
7. Financial feasibility considerations, such as the acceleration of construction underway, that would achieve more efficient construction schedules, probable cost reductions and an earlier realization of project benefits;
8. Positive economic impacts to communities;
9. Consideration of Reclamation's responsibility to tribal nations;
10. Balancing geographical distribution against the most critical needs; and
11. Support for programs that through cost sharing or partnerships could leverage Federal dollars.



### Secretarial Determination for Commencement of Construction

The Shasta Dam and Reservoir Enlargement Project is the result of Reclamation's Shasta Lake Water Resources Investigation Feasibility Report. This project would increase water supply storage and reliability while addressing related water resource problems and needs. Reclamation will have a cost-share partner prior to beginning construction which is planned for late 2019 (early FY'20).

A Final Feasibility Report and Environmental Impact Statement (EIS) for the Shasta Lake Water Resources Investigation (SLWRI) were transmitted to Congress on July 29, 2015. The Final Feasibility Report did not provide a recommendation to Congress due to outstanding considerations, primarily related to cost-sharing.

The 2015 Final Feasibility Report identified "Alternative CP4A", an 18.5 foot raise of the dam impounding an additional 634,000 acre-feet, as the National Economic Development Plan and provided financial feasibility evaluations for alternative CP4A. Estimated total project cost is approximately \$1.3 billion (2014 dollars).

Since publication of the FEIS and Feasibility Report, several new developments have occurred. In December 2016, the Water Infrastructure Improvements for the Nation (WIIN, PL 114-322) Act was enacted with new authorities for Reclamation's development of federal and non-federal water storage. In May 2017, Congress appropriated \$67 million for new storage consistent with WIIN Section 4007. And since January 2017, the Department of the Interior (Department) and Bureau of Reclamation (Reclamation) have taken a renewed focus on development of new water storage in California and elsewhere, with the expectation that these new authorities and funding could help initiate that effort.

As part of the Yakima Project located in central Washington, Cle Elum Dam was identified for a pool raise and is part of the Yakima River Basin Integrated Water Resource Management Plan (Yakima Basin Integrated Plan).

Section 4007(a)(1) of the WIIN Act defines a federally owned storage project as, "any project involving a surface water storage facility in a Reclamation State— (A) to which the United States holds title; and (B) that was authorized to be constructed, operated, and maintained pursuant to the reclamation laws." The Cle Elum Pool Raise project meets this definition because it is an expansion of an existing authorized project, and the expansion was authorized for implementation under Public Law 103-434, the Yakima River Basin Water Enhancement Project (YRBWEP) Act Title XII, October 31, 1994.

Section 4007(b)(3) requires that before the commencement of construction of a federally owned storage project, the Secretary must make the following determinations, "(A) that the proposed federally owned storage project is feasible in accordance with the reclamation laws; (B) secures an agreement providing upfront funding as is necessary to pay the non-Federal share of the capital costs; and (C) determines that, in return for the Federal cost-share investment in the federally owned storage project, at least a



proportionate share of the project benefits are Federal benefits, including water supplies dedicated to specific purposes such as environmental enhancement and wildlife refuges.”

Feasibility was completed for Cle Elum Pool Raise as part of the Yakima Basin Integrated Plan, and a least-cost analysis was performed. The least cost alternative was selected. The primary benefits of the project are to the environment by providing improved flows for fish. As a component of the Yakima Basin Integrated Plan, agreements are readily in place with the State of Washington as the cost share partner. Section 1206 of YRBWEP Title XII includes authorization to modify the radial gates at Cle Elum Dam to provide an additional 14,600 acre-feet of storage capacity in Cle Elum Reservoir; provide for shoreline protection of Cle Elum Lake; and provide environmental mitigation for impacts from the Pool Raise as necessary. The additional storage is intended primarily for instream passage for fish while maintaining existing commitments for irrigation deliveries.

Section 4007(b)(2) limits federal cost share to 50 percent. The work completed thus far for the Cle Elum Pool Raise project is subject to a 50/50 cost share agreement with the State of Washington with the State currently providing more than 50 percent. The estimated Federal cost share is \$9,000,000 to complete the project, with an overall estimated cost of \$18,000,000. The funding request for FY 2018 for Cle Elum Pool Raise construction is \$2 million. Finally, section 4007(b)(4) requires that, “the Secretary of the Interior shall comply with all applicable environmental laws, including the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.).” Environmental compliance was completed for Cle Elum Pool Raise with a Record of Decision issued June 2015.

This project has been reviewed and approved to construct by Reclamation. The first phase of this project, the radial gate modification has been constructed and paid for by the State of Washington. The second phase of this project, shoreline protection of Cle Elum Reservoir, is underway. The shoreline protection final design is complete and is planned to be implemented over a five-year period. Contracting and construction of shoreline protection will be carried out over several years contingent to funding availability. The first shoreline contract is for U.S. Forest Service (USFS) facilities and was awarded in fiscal year 2017. Subsequently, approximately six shoreline protection contracts will be awarded for USFS and private properties. The reservoir will not be raised until shoreline protection has been completed. The water rights application is in process and Reclamation will be issued a water right for the 14,600 acre-feet in the near future.

**Bureau of Reclamation**

**FY 2018 - Distribution of FY 2017 Funding for WIIN Section 4007 Projects  
(\$ in Thousands)**

<b>Category/Project</b>	<b>State(s)</b>	<b>Amount</b>	<b>Category</b>
<b>Studies, Design, Pre-Construction, and Construction</b>			
Shasta Dam and Reservoir Enlargement Project	California	20,000	Design, Pre-Constuction
North-of-Delta Offstream Storage Investigation/ Sites Reservoir Storage Project	California	4,350	Study
Upper San Joaquin River Basin Storage Investigation	California	1,500	Study
Friant-Kern Canal Subsidence Challenges Project	California	2,200	Study
Boise River Basin Feasibility Study	Idaho	750	Study
Yakima River Basin Water Enhancement Project - Cle Elum Pool Raise	Washington	2,000	Construction
Upper Yakima System Storage Feasibility Study	Washington	2,500	Study
<b>Total of WIIN Sec. 4007 Funding Recommended for Distribution</b>		<b>33,300</b>	



**Water Conservation and Delivery - WIIN Section 4007**

(S in Thousands)

State	Project	Amount	Project Description
<b>Studies, Design, Pre-Construction, and Construction</b>			
California	Shasta Dam and Reservoir Enlargement Project	20,000	To increase storage supply and reliability while addressing related water resources problems and needs. Funds will be used to advance pre-construction activities including design, environmental, ESA, cultural, lands, design data, and agreements with project partners. Most of these activities will lead to a Record of Decision being executed in the Fall of 2019.
California	North-of-Delta Offstream Storage Investigation/ Sites Reservoir Storage Project	4,350	Funds will be used to complete an in-progress feasibility study. The proposed project includes an additional 1.8 million acre-feet of off-stream surface storage. The additional storage of the proposed project will address the need identified by the CALFED Bay-Delta Programmatic Record of Decision for up to 6 million acre-feet (MAF) of new storage in California—including up to 3 MAF of storage north of the Delta—to restore flexibility and adaptability to Central Valley Project and State Water Project operations. The project will benefit incremental Level 4 refuge water supply (primary objective); improve the survival of anadromous fish and other aquatic species (primary objective); and improve Delta environmental and export water quality (primary objective), sustainable hydropower generation (secondary objective), opportunities for recreation (secondary objective), and flood damage reduction (secondary objective).
California	Upper San Joaquin River Basin Storage Investigation	1,500	Funds will be used to complete an in-progress feasibility study. The Upper San Joaquin River Basin Storage Investigation consists of a potential 1.26 million AF new reservoir to expand water storage capacity in the upper San Joaquin River watershed to (1) improve water supply reliability and flexibility of the water management system for agricultural, municipal and industrial, and environmental uses; and (2) enhance water temperature and flow conditions in the San Joaquin River downstream from Friant Dam for salmon and other native fish.
California	Friant-Kern Canal Subsidence Challenges Project	2,200	Funds will be used to conduct a new feasibility study. The study will explore options to address the issue of Friant-Kern Canal (FKC) subsidence. The potential benefits would be 3000 AF/day of conveyance restored, which would allow significant increase in storage capacity in Millerton Reservoir during key times. Restoring FKC capacity would increase annual average surface water deliveries by 8,000 acre-feet. The maximum single year increase is approximately 110,000 acre-feet. Restoring FKC capacity will also ensure that the proposed Upper San Joaquin River Storage project will be able to deliver its full project benefits.
Idaho	Boise River Basin Feasibility Study	750	Funds will be used to conduct a new feasibility study. The Boise River Basin Feasibility Study (Study) will investigate the possibility of increasing surface water storage in the Boise River watershed located in southwestern Idaho by raising the heights of Reclamation's Arrowrock Dam (ten feet / 20,000 acre-feet) and Anderson Ranch Dam (six feet / 29,000 acre feet), as well as the U.S. Army Corps of Engineers Lucky Peak Dam (four feet / 10,000 acre-feet) and comparing different combinations at the three facilities and different raise options of the dam raises. Additional water storage would enhance long-term water supply for critical irrigation, domestic, industrial, and municipal needs in the Boise, Idaho area, while continuing to meet endangered species and power generation needs along with potentially providing additional flood risk management. It also recognizes the need to store additional runoff in wet years.
Washington	Yakima River Basin Water Enhancement Project - Cle Elum Pool Raise	2,000	Funds will be used for project construction. As part of the Yakima Project located in central Washington, Cle Elum Dam has been identified for a pool raise and is part of the Yakima River Basin Integrated Water Resource Management Plan (Yakima Basin Integrated Plan). The Cle Elum Pool Raise was authorized for implementation, including construction, under the Yakima River Basin Water Enhancement Project (YRBWEP) Title XII, October 31, 1994. The project includes modification of the radial gates on the spillway of Cle Elum Dam to provide an additional 14,600 acre-feet of storage capacity in Cle Elum Reservoir; and provides for shoreline protection of Cle Elum Reservoir. The additional storage is intended primarily for instream passage for fish while maintaining existing commitments for irrigation deliveries.
Washington	Upper Yakima System Storage Feasibility Study	2,500	Funds will be used to continue an in-progress feasibility study, started by non-federal partners. Part of the Yakima Integrated Plan, the proposed project will provide additional water storage ranging from 20,000 acre-feet to 30,000 acre-feet, by creating reservoirs off the Kittitas Reclamation District (KRD) canal. The additional storage from this project could be managed as Total Water Supply Available in the Yakima Basin and help proratable districts with water to purchase in a drought year. The Yakama Nation would receive benefit from this project as their water supply is proratable and would potentially help them with drought year water supply needs.
<b>Total, Water Conservation and Delivery - WIIN Section 4007</b>		<b>\$33,300</b>	

Sample allocation to all Members

# of years of membership	Total Dues FY02-FY17	UHTL Pension @ 3% allocated at 6/30/16 (a)/(b) x (c)	Estimated Unfunded Liability @ 6/30/18 (a)/(b) x (d)
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Source: CalPERS Valuation date June 30, 2016

\$ 1,224,515 (c) \$ 245,000 (d)

California American Water	16	\$ 578,524 (a)	\$ 107,312	\$ 21,471
Carmichael Water District	16	\$ 214,388 (a)	\$ 39,768	\$ 7,957
Citrus Heights Water District	16	\$ 367,502 (a)	\$ 68,169	\$ 13,639
City of Folsom	16	\$ 345,278 (a)	\$ 64,047	\$ 12,814
City of Lincoln	15	\$ 194,703 (a)	\$ 36,116	\$ 7,226
City of Roseville	16	\$ 578,524 (a)	\$ 107,313	\$ 21,471
City of Sacramento/Dept. of Utilities	16	\$ 578,524 (a)	\$ 107,313	\$ 21,471
City of West Sacramento	12	\$ 189,112 (a)	\$ 35,079	\$ 7,019
City of Yuba City	2	\$ 63,087 (a)	\$ 11,702	\$ 2,341
Del Paso Manor Water District	16	\$ 52,707 (a)	\$ 9,776	\$ 1,956
El Dorado Irrigation District	14	\$ 519,922 (a)	\$ 96,442	\$ 19,296
Elk Grove Water District	8	\$ 112,659 (a)	\$ 20,898	\$ 4,181
Fair Oaks Water District	16	\$ 253,619 (a)	\$ 47,045	\$ 9,413
Golden State Water Company	16	\$ 282,294 (a)	\$ 52,364	\$ 10,477
Orange Vale Water Company	16	\$ 74,170 (a)	\$ 13,758	\$ 2,753
Placer County Water Agency	16	\$ 578,524 (a)	\$ 107,313	\$ 21,471
Rancho Murrieta CSD	16	\$ 73,495 (a)	\$ 13,633	\$ 2,728
Rio Linda/Elverta Water District	16	\$ 74,170 (a)	\$ 13,757	\$ 2,752
Sacramento County Water Agency	7	\$ 313,138 (a)	\$ 58,085	\$ 11,622
Sacramento Suburban Water District	16	\$ 578,524 (a)	\$ 107,313	\$ 21,471
San Juan Water District	16	\$ 578,524 (a)	\$ 107,313	\$ 21,471
<b>Totals</b>		<b>\$ 6,601,389 (b)</b>	<b>\$ 1,224,516</b>	<b>\$ 245,000</b>

(a) Dues by member for the period covered.

(b) Total dues for the entire period covered.

(c) Unfunded hypothetical termination liability at 3% discount rate. Assumes no additional contributions from member.

(d) Estimated unfunded liability @ 6.30.18 - used 6.30.17 CalPERS value at 7.0% (per the 6.30.16 report) adjusted for a \$42K payment made in FY18. This estimated liability is the basis for the additional budget payments. RWA has been making additional payments the last several years which has helped to reduce the liability.

Calculation Total member dues divided by all dues for time period, multiplied by the UHTL or estimated unfunded liability.

Prepared for March 8, 2018 Board Meeting



## **RWA ~ March 8<sup>th</sup>, 2018 Board of Directors Meeting**

**Harry Laswell, Exec Director of the Powerhouse Science Center** came and gave a presentation on the progress and changes to the Powerhouse Science Center. In Nov. 2013 RWA entered into an agreement with the Powerhouse Science Center to sponsor two water exhibits for a minimum of 15 years and a cost of \$500K. The Science center was due to open Jan 2017 but, due to funding complications and delays in construction they are scheduled to open Summer of 2020. RWA's amended agreement provides RWA the option to withhold future payments (\$25K per year) until the scheduled milestones are reached. Details about the two water related exhibits were updated, but the overall intent of the two exhibits remain the same. RWA to date, has paid \$75K to Powerhouse. The CA Water Awareness Campaign has paid \$100K to Powerhouse on RWA's behalf and currently RWA has a remaining balance of \$235K to be paid over the next 13 years including 2018. The two displays are 1) Water Day-to-Day. In this display visitors create their own animated water conservation mix, exploring how water can be saved in every location of the home, how we adapt to water challenges, moving water in an urban environment and visitors will engage in an interactive map of Northern CA water districts allowing them to find the water sources to satisfy their needs by location. And 2) Our Water Future. This display shows visitors how others have differently about water in CA and what it will take to keep water flowing in the future.

**Amendments to Regional Water Authority Strategic plan 2018+** were adopted and included in this report.

**Allocating Liabilities to Withdrawing Members:** The board approved Policy 500.16 which was the policy that outlines the framework to allocate debts, liabilities and obligation of the RWA that are not budgeted for on an annual basis. The liability allocation methodology for the unfunded pension plan obligation calculates each member's liability based upon total due paid for that member in relation to the total dues for all members during the membership of the departing member. This methodology accounts for the how a member may change over time (i.e. increasing dues as a result of changes to membership size). The hypothetical termination liability is determined by the latest CalPERS valuation report in determining the pension plan payment. The termination liability assumes that all risk of the plan will be paid for by the plan and future shortfalls cannot be collected from the member.

### **Revised Policy 500.1 RWA Financial Designation Policy**

Since SGA reimburses RWA for a portion of shared common costs, and SGA also carries an operating reserve, including these shared costs as part of the calculation for operating fund target balance results in higher than needed balance. For example, FY17 SGA reimbursed RWA for \$476,712 in common operating expenses. When projecting these expenses, RWA's operating fund needed a minimum of \$158,900 in the operating fund to

# SACRAMENTO BUSINESS JOURNAL

2/23/2018

► DONE DEAL

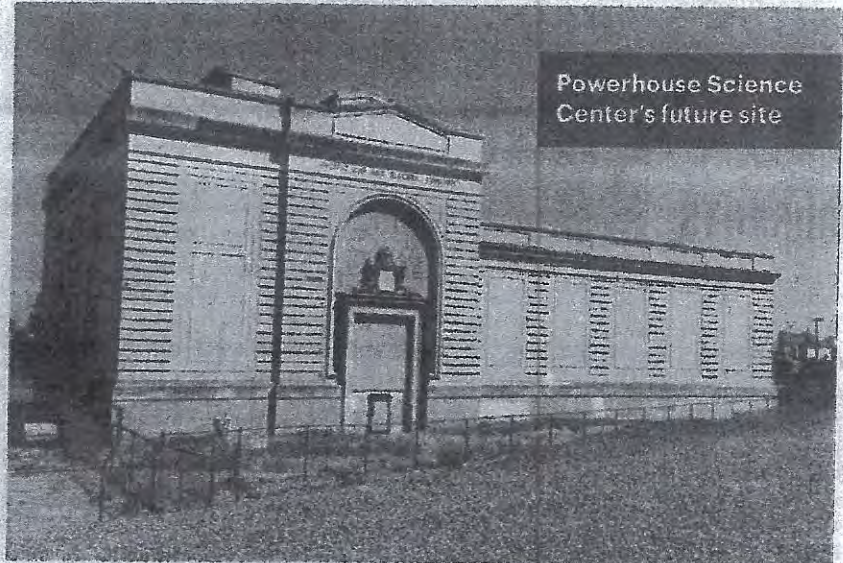
## POWERHOUSE SCIENCE CENTER PLANS SUMMER CONSTRUCTION

**What:** Additional funding from Sacramento Municipal Utility District for Powerhouse Science Center

**Why:** Pledge will give SMUD naming rights on museum

**Price:** New pledge of \$7 million, for \$9.25 million total

**Notable:** When SMUD's board of directors signed off last week on a \$7 million naming rights deal for the Powerhouse Science Center project, it unlocked the last piece for construction to get underway. Michael Galane, the museum board's current chair, said construction of the 50,000-square-foot, \$50 million project should begin this summer, because the new money gives Powerhouse's directors the ability to get full construction financing. For SMUD,



Powerhouse Science  
Center's future site

MARK ANDERSON | SACRAMENTO BUSINESS JOURNAL

naming rights help broaden exposure to the utility's core missions such as education and workforce development, said Erica Manuel, SMUD's manager of community, economic development and

education. Otto Construction will be the project contractor, with architecture from Dreyfuss & Blackford Architects. The Powerhouse Science Center is set to be completed in summer 2020.



pay for these costs. So, because these common operating costs are part of the operating fund balance calculation inflates the cash flow requirement. And since SGA has its own pension plan and pays for pension plan services directly, the policy was modified to remove SGA's reference to reimbursements.

**Grant update:** Staff is managing five grants totaling \$30.5 million from the Dept of Water Resources through the Sacramento Groundwater Authority to develop a Groundwater Sustainability Plan for the North American Sub basin, which includes northern Sacramento County Western Placer County and southeastern Sutter County. DWR just released its draft application results and nearly \$1 million grant is being recommended for the NASb.

**RWA Making Safe, Clean, Affordable and Accessible Water a Reality Conference ~ Thursday, March 15, 2018 8:30am at the Capitol Event Center at the May Bldg. on 11<sup>th</sup> Street, Sacramento.**

The conference was well attended with a "sold" out capacity. John Woodling opened the conference and introduced Mayor Steinberg along with Jose Hermocillo (Partner with Hermocillo-Azevedo Strategic Communications)

The first panel of speakers talked about "Identifying the Challenges" . Speakers were:

1. Darrin Polhemus, Deputy Director, State Water Resources Control Board, Division of Drinking Water.
2. Denise England, Water Policy Manager, County of Tulare
3. Maria Herrera, Community Development Specialist, Self-Help Enterprises and Member of the CA Water Commission
4. Katie Proter, Staff Engineer, CA Urban Water Agencies

The second panel of speakers addressed "Exploring Potential Solutions". Speakers were:

1. Laurel Firestone, Co-Founder & Co-Executive Director, Community Water Center
2. Paul D Jones II, General Manager, Easter Municipal Water District
3. Max Gomberg, Water Conservation and Climate Change Manager, State Water Resource Control Board
4. Jack Hawks, Executive Director, CA Water Assoc.
5. Cindy Tuck, Deputy Exec. Director for Government Relations, ACWA

Marcus Yasutake, RWA BOD Chair & Environmental & Water Resources Director with the City of Folsom gave closing remarks and final thoughts.

## AMENDMENTS TO REGIONAL WATER AUTHORITY STRATEGIC PLAN 2018+

**PLANNING GOAL – Continuously improve an Integrated Regional Water Management Plan that is comprehensive in scope and guides effective water resources management in the region.**

Adopted by RWA Board July 13, 2017

**Objective A. Develop a Regional Water Reliability Plan to identify the most promising regional opportunities to improve water supply reliability.**

1. Identify most promising opportunities for intra- and interregional transfers and exchanges to meet demands or environmental needs.
2. Evaluate regional opportunities to reduce water use.
3. Support interregional groundwater management and conjunctive use planning.
4. Support recycled water planning
5. Identify most promising opportunities for shared infrastructure and resources.

**Objective B. Evaluate and respond to external impacts on the region's water suppliers and operations.**

1. Evaluate climate as a regional vulnerability and consider climate adaptation strategies.
2. Promote Delta solutions that protect the region's water supplies.
3. Promote forecast informed reservoir operations that enhance water supplies while maintaining flood protection.
4. Update a regional hydrologic model, in coordination with groundwater sustainability agencies, to support regional planning and groundwater management.

**Objective C. Complete a comprehensive update to the American River Basin Integrated Regional Water Management Plan.**

1. Coordinate completion of a Regional Stormwater Plan for incorporation into the IRWM Plan.
2. Ensure compliance with state standards for eligibility and competitiveness for future funding.
3. Develop MOUs with adjacent IRWM groups for coordination in areas served by RWA members.



## **AMENDMENTS TO REGIONAL WATER AUTHORITY STRATEGIC PLAN 2018+**

**IMPLEMENTATION GOAL– Assist members with implementing successful water resources management strategies and related programs. This includes identifying, acquiring and administering external sources of funding.**

**Adopted by RWA Board July 13, 2017**

**Objective A. Promote implementation of the American River Basin Integrated Regional Water Management Plan.**

1. Seek funding for projects included in the IRWM Plan and support efforts of individual entities to leverage the IRWM Plan for funding.
2. Assist with acquiring and managing grant funding for regional projects including infrastructure, water conservation, and water reliability.
3. Maintain the IRWM database and make appropriate updates to the IRWM Plan on a quarterly basis.

**Objective B. Promote improvements in water use efficiency in the region to meet future water needs and ensure compliance with applicable requirements.**

1. Continue to cost effectively implement a clearly defined water efficiency program that allows members to satisfy public outreach and school education requirements for a number of purposes, including the Central Valley Improvement Act and Urban Water Management Plans.
2. Continue to track and report progress in attaining compliance with metering requirements.
3. Track individual member agency water use and assist in developing a strategy for regional compliance with state standards.
4. Lead the Water Forum water caucus in development of modifications to the Water Conservation element.

**Objective C. Support a lower American River Flow Management Standard that is consistent with the Water Forum co-equal goals.**

**Objective D. Support water transfers among agencies (intra- and interregional) that are beneficial to the region.**

**Objective E. Support programs to benefit from economies of scale in purchasing and resource sharing as opportunities present themselves.**

## AMENDMENTS TO REGIONAL WATER AUTHORITY STRATEGIC PLAN 2018+

**INFORMATION/EDUCATION GOAL – Inform and educate members and interested parties by providing a forum for discussion of issues and outreach to stakeholders.**

### **DRAFT – FOR RWA BOARD APPROVAL**

**Objective A. Educate and inform members and other interested parties on water management issues affecting the region.**

1. Educate members through periodic RWA Water Workshops and updates on relevant topics.
2. Maintain a subcommittee to solicit and prioritize topics and assist in planning workshops.

**Objective B. Raise RWA's profile and credibility to external audiences through outreach efforts.**

1. Inform the media on water management successes in the region.
2. Inform federal, state and local elected officials on water issues and water management successes.
3. Inform the public about water supply conditions by developing talking points and compiling water shortage information throughout the year.

**Objective C. Develop and maintain strong partnerships to advance RWA member interests.**

1. Represent the Water Caucus in the Water Forum Successor Effort.
2. Develop and maintain partnerships with other northern California water interests and water agencies outside the RWA region.
3. Maintain partnerships with business organizations including Metro Chamber and local chambers.
4. Expand involvement in statewide organizations to convey the region's views.

**Objective D. Maintain communication among members to create and implement a consistent message for RWA and the region that supports other strategic plan elements (planning, implementation and advocacy).**



## AMENDMENTS TO REGIONAL WATER AUTHORITY STRATEGIC PLAN 2018+

**ADVOCACY GOAL - REPRESENT REGIONAL NEEDS AND CONCERNS TO POSITIVELY INFLUENCE LEGISLATIVE AND REGULATORY POLICIES AND ACTIONS. THIS INCLUDES WORKING TO PRESERVE THE WATER RIGHTS AND ENTITLEMENTS OF MEMBERS, MAINTAIN AREA OF ORIGIN PROTECTIONS, AND PROTECT AND ENSURE WATER SUPPLY RELIABILITY**

Adopted by the RWA Board September 14, 2017

### **Additional amendment (below) for approval by the RWA Board**

**Objective A. Engage state and federal legislators representing the region and legislators on relevant committees to discuss an agenda for legislative action that represents a collective RWA member vision on items of regional importance**

1. Annually, develop a state legislative agenda and outreach plan for the region to guide advocacy efforts.
2. Maintain a tracking system of significant water related state legislation and make the information and a summary readily available electronically to members.
3. Using priorities identified through regional planning efforts, develop and advocate for positions on federal and state funding programs.
4. Monitor and actively engage on actions of the ACWA State Legislative Committee and coordinate with other external organizations.
5. Support RWA member agency activities on federal legislation and coordinate with external organizations including ACWA, NWRA, California Water Association, and the Metro Chamber.

**Objective B. Evaluate, comment and advocate on statewide water regulatory issues that may impact the region and its water supply reliability**

1. Track, evaluate and respond to water quality, water conservation, water affordability and other regulatory issues that may affect members.
2. Track, evaluate and respond to the ongoing regulatory implementation of the Sustainable Groundwater Management Act.
3. Participate and coordinate with efforts of partner organizations with similar interests.



## RWA "Hot List" bills enrolled by the Legislature in 2017

Bill (Author)	Bill Title & Description	RWA Position (Action by Governor)
AB 313 Gray	Community Water Systems: Lead User Service Lines	<b>Support</b> (Vetoed)
AB 746 Gonzalez Fletcher	Lead Testing: School Sites	<b>Support If Amended</b> (Signed)
SB 5 DeLeon	CA Drought, Water, Parks, Climate, Coastal Protection & Outdoor Access Bond	<b>Support</b> (Signed)
SB 427 Leyva	Community Water Systems: Lead User Service Lines	<b>Oppose Unless Amended</b> (Signed)
SB 580 Pan	Water Development Projects: American and Sacramento Rivers Flood Control	<b>Support</b> (Signed)

A full analysis and text of all top priority bills are available on the RWA website at [rwah2o.org](http://rwah2o.org).

As the 2017 session came to a close, eight hot list bills became two-year bills that may be acted upon in the 2018 legislative session. A recap of RWA's position on these two-year bills is provided below:

Legislation	Topic	RWA Position
AB 968 Rubio	Urban Water Use Efficiency	<b>Support - RWA Sponsored Bill.</b> This bill would establish new water efficiency targets for water suppliers for the year 2025 in a manner that would recognize and incentivize the development of resilient water supply sources and protect existing water rights.
AB 975 Friedman	Wild and Scenic River Designations	<b>Oppose.</b> This bill would take certain provisions from the federal Wild and Scenic River law and apply them to existing State law in an inconsistent manner that could limit local land use authorities and present operational challenges for water suppliers.
AB 1427 Eggman	Groundwater Storage	<b>Support.</b> This bill would establish that the underground storage of water is a beneficial use.
AB 1654 Rubio	Urban Water Management Planning	<b>Support - RWA Sponsored Bill.</b> This bill would enhance drought planning requirements for water suppliers and protect water suppliers' investments in resilient water supplies.
AB 1668 Friedman	Urban Water Conservation	<b>Oppose unless amended.</b> This bill would, in part, authorize the State Water Resources Control Board (SWRCB) to adopt a variety of enforceable water use standards, including standards for outdoor residential use. This bill is a companion measure to SB 606.
AB 1669 Friedman	Urban Water Conservation	<b>Oppose.</b> This bill would authorize the SWRCB to adopt and revise standards for water use including, but not limited to: standards for indoor residential water use; outdoor irrigation in connection with domestic, industrial, institutional or commercial water use; and, industrial, institutional and commercial water use.
SB 606 Skinner/Hertzberg	Urban Water Conservation	<b>Oppose Unless Amended.</b> This bill would, in part, authorize the SWRCB to adopt a variety of enforceable water use standards, including standards for outdoor residential use. This bill is a companion measure to AB 1668.
SB 623 Monning	Safe and Affordable Drinking Water Fund—Water Tax	<b>Oppose Unless Amended.</b> This bill would impose a per-connection tax on every public water system customer. The proceeds of the tax would fund a "Safe and Affordable Drinking Water Fund" administered by the SWRCB to address specified drinking water issues. Other funding sources would include dairy and fertilizer fees.

## Influencer Outreach

### STATE LEGISLATIVE LEADERS

Building upon existing relationships, RWA staff continued to hold one-on-one meetings with legislative members and staff to advocate for key issues. Over the course of 2017, RWA staff met with all five Senators and seven Assembly Members representing the five-county Sacramento region, as well as members of key policy and budget committees.

### LOCAL LEADERS

Throughout the year, RWA staff met with local elected officials to update them on priority issues and seek their future support with state legislative leaders. A key objective of this outreach effort was to develop a strong team of local elected officials RWA and its members can call upon to provide political support and advocacy for water-related issues important to this region.

### LEGISLATIVE PROCESS WORKSHOP

In October, RWA staff offered a new benefit for members—a workshop on the California legislative process. The session explained how RWA engages the Legislature and how individual agencies can participate in the process both through RWA and directly with their local legislators. "Hot topics" that are expected to be taken up by the Legislature and regulatory agencies in 2018 were also discussed.



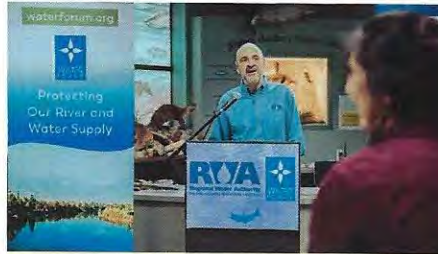


## ADVOCACY THROUGH MEDIA OUTREACH AND SOCIAL MEDIA

RWA continued outreach via the media to convey RWA's perspective and the region's accomplishments, as well as to build relationships with reporters, by issuing news releases, media statements and letters to the editor.

Accomplishments include working with the Coachella Valley Water District to successfully place an op-ed in the Desert Sun in support of RWA co-sponsored legislation AB 968 and AB 1654. In addition, RWA partnered with the Water Forum to host a press event in November at the Nimbus Fish Hatchery in Rancho Cordova to promote the region's successful efforts regarding environmental stewardship on the lower American River, water supply planning and water use efficiency. The event attracted media coverage from multiple outlets, including KCRA (Channel 3), ABC 10, Capital Public Radio and others.

RWA launched a new social media presence to further connect with news media, members and stakeholders and to provide yet another avenue for outreach.



*RWA Executive Director John Woodling outlines how water providers are working to protect the lower American River.*

*"The Regional Water Authority has elevated the Sacramento Region's position at the State Capitol as a respected voice on water policy issues. We are now an integral player in shaping legislation to protect our constituency."*

Mayor Jeff Slowey, City of Citrus Heights

## LOOKING AHEAD TO 2018

A significant part of RWA's work in 2017 focused on proactively developing a vision for legislation that supports a locally-based approach to drought preparedness and long-term water use efficiency and then building and working intensely with a broad coalition throughout California to move this vision forward. This approach provides an important foundation and framework as we look toward 2018 and beyond.

Continued advocacy on legislation for implementing the Governor's framework on long-term conservation, now moving forward in AB 1668 (Friedman) and SB 606 (Hertzberg/Skinner/Friedman), will be a top legislative priority in 2018, along with SB 623 (Monning), legislation that includes a proposed tax on residential water bills. RWA will continue to engage on these bills and other priority legislation in a manner that is consistent with RWA's established policy principles.

In addition, RWA is continuing to serve in leadership positions that both provide the Sacramento region a voice on critical policy and regulatory issues, as well as build relationships statewide. These include serving as chair of the Practitioner Advisory Panel convened by the California Department of Water Resources to provide input on implementation of the Sustainable Groundwater Management Act, as well as chair of the Association of California Water Agencies' Groundwater Committee. RWA and member agency staff serve in key roles on ACWA's State Legislative Committee and lead the Sacramento Metro Chamber's State Legislative Summit.

Forging partnerships will always be a key priority of the Advocacy Program. RWA successfully grew a statewide coalition of over 100 water suppliers, local governments and other supporters to help advance RWA's sponsored legislation in 2017. In 2018 we will look to diversify our reach with groups representing the agriculture, environmental and business communities as we engage on a variety of priority issues on behalf of RWA's members.

## LOBBYIST SUPPORT

The success of the RWA Advocacy Program is dependent on the RWA members who financially contribute to the Lobbyist Subscription Program, which supports RWA's contract lobbyist.

*The 2017 Lobbyist Subscription Program members include:*

Citrus Heights Water District\*  
City of Folsom  
City of Lincoln  
City of Roseville  
City of Sacramento  
Carmichael Water District  
Del Paso Manor Water District  
Elk Grove Water District  
Fair Oaks Water District\*  
Placer County Water Agency  
Sacramento County Water Agency  
Sacramento Suburban Water District  
San Juan Water District

*\* RWA members that joined the Lobbyist Subscription Program in 2017.*

Staff will continue to recruit additional RWA members to participate in 2018.

## STAFF

For any questions or more information, please contact RWA Advocacy Program Manager Adam W. Robin at (916) 967-7692.

**Regional Water Authority**  
5620 Birdcage Street, Suite 180  
Citrus Heights, CA 95610

(916) 967-7692  
www.rwah2o.org  
www.BeWaterSmart.info

  @RWAH2o





## 2018- 2019 FYE Budget Summary

**Projected Fee Increase 4.00%**

**Combined Core & Subscription Program Budget**

**Major Assumptions - See Budget notes for other Budget assumptions**

### Revenues

- 1) Fee Increase on General Dues - see attachment for fees by agency. 4.00%  
The water advocacy is now included as a core program for RWA members since it benefits all members. Members who were previously funding this work will experience an overall combined reduction in fees.
- 2) SGA Service Fees represents 50% cost sharing excluding staffing allocated to WEP and the legislative program and RWA only costs.
- 3) Subscription Program core revenues contribute approximately 13% towards Core operations and represent fees earned by RWA for providing staff consulting services and allocated office costs to the subscription programs.
- 4) Powerhouse Science Center (PSC) represents a unique opportunity to become a partner with PSC to inform and educate the public on water issues that affect RWA's region and beyond. Members represents contributions from membership. Other funding came from a WEP grant in FY15. WEP also contributes \$5,000 per year for a total of \$50,000. This will be the last year of collecting for the Powerhouse program.
- 5) Other represents interest income and holiday social revenues.
- 6) Subscription Program represents revenues for subscription services from the Water Efficiency Program, Prop 50, Prop 84, Water Advocacy, Regional Reliability, Drought grant, and the Water Energy grant. These subscription based programs are subject to approval by the individual participants. The revenues are included for total cash flow estimate purposes. Adopting the fiscal year 2018-2019 budget does not approve the subscription based programs.

### Expenses

- 1) Staffing costs include the WEP program staff.
- 2) Staff is allocated 50/50 to SGA and RWA, excluding the WEP position, the project assistant and the water advocacy staff. The project assistant splits time between SGA, WEP and RWA subscription projects. With the addition of a new advocacy staff member, RWA's FTE is 4.8; SGA FTE is 2.2, for a total of 7 FTE and does not include the retired annuitants. Of the RWA 4.8 FTEs, WEP represents 1.3 FTE. Staffing costs projected within salary range for positions and includes a 5% increase for merit and a 2% COLA. The employees will be picking up the last 1% of their PERS employee portion and will now pay their entire 7% of the employees share.
- 3) Staffing expenses continue to include additional annual payments to pay the unfunded PERS pension liability over the next four years. This budget assumes this liability and related required payments will increase based upon notification of decreasing the discount rate from 7.5% to 7.0% over the next several years.
- 4) The strategic funding was partially used to hire the legislative manager. Over the next two fiscal years it will help to fund part of the water advocacy program which will now become a core program and shared among all of the agencies.
- 5) The WEP project manager is projected to be funded 70% by WEP dues and 30% by RWA core dues. Over time, the budget assumes the





## 2018- 2019 FYE Budget Summary

Projected Fee Increase 4.00%

Combined Core & Subscription Program Budget

Major Assumptions - See Budget notes for other Budget assumptions

WEP project manager will be 100% funded by core dues, increasing funding by 10% per annum.

- 6) For FY19 and beyond, office costs generally assume 3% increases unless specific increases have been identified, such as the office lease.
- 7) Professional fees include audit, actuarial, PR, accounting, legal, human resources and regional water issues and includes \$10,000 in consulting fees for IRWM related activities in FY19. Additionally, the water advocacy subscription program will become a core program starting in FY19 and will use the remaining funds from the Strategic Plan fund over FY19 and FY20. Funding for the water advocacy in FY19 will be \$100,800 from carryover subscription fees and \$19,100 from Strategic Fund. In FY20, funding will be \$90,600 from strategic fund and \$29,400 from core dues. In FY21, \$120K will come from core dues.
- 8) Other includes office equipment purchases.
- 9) Core Project Expenses include Powerhouse Science Center expenses.
- 10) Subscription Program represents the direct consulting and expenses for these subscription programs as well as the staff and office costs for the programs. These costs have been included in the program budget to show the cash flow effect on these programs. However, on a consolidated basis (see Summary Table), the staffing and office costs are not included in both budgets in order to avoid double counting costs.

### Revenues in excess of Expenses//Expenses in excess of Revenues

- 1) On a combined basis, expenses are expected to exceed revenues by \$249,800, mainly due to subscription expenses exceeding subscription revenues. Of the \$249,800, RWA is projecting to return \$200,000 in advances related to the water energy grant.
- 2) Core expenses are expected to exceed revenues by approximately \$7,100.
- 3) The subscription program projects expenses in excess of revenues. Subscription fees are set aside in the appropriate subscription designation to be used in future periods for the related programs. The subscription based programs pay for office and staffing costs. The staffing and office costs are part of core program costs, yet a portion is paid for by subscriptions by design. Seventy percent of the WEP project manager position cost and a portion of the project assistant position are paid for by the subscription programs but the cost of these positions is included in the Core Program. Thirty percent of the WEP project manager position and related office costs are paid for by RWA core dues beginning in FY19.

### Designations/Restrictions

- 1) The Operating fund is projected to be approximately six months at the end of FY19 assuming a 4% fee increase.
- 2) The designations and restrictions are broken out by type and subtotaled by core and subscription services. The total change in cash from Projected FY18 to Proposed FY19 by subtotal reflect the departmental effect on each designation and restriction group.
- 3) The Pension plan accounting designation is for the unfunded pension plan payment to be made in FY19. The June 30, 2016 report estimates this amount at June 30, 2016 at approximately \$281,700 at a 7.0% discount rate, but doesn't reflect the FY17 \$42K additional payment. RWA anticipates additional pension contributions over the next four years (including FY19) to pay down this unfunded liability. Since RWA's budget



## 2018- 2019 FYE Budget Summary

**Projected Fee Increase** 4.00%

**Combined Core & Subscription Program Budget**

**Major Assumptions - See Budget notes for other Budget assumptions**

now anticipates making annual additional lump sum payments to pay down the unfunded liability, these payments should be coming from operating funds on an annual basis.

- 4) The Strategic Plan outlined hiring a legislative and regulatory manager to implement RWA's regional water voice on important water legislation that impacts members and the region. The Strategic Plan designation allowed RWA to hire a new staff position in FY 17. This designation will be drawn down over FY19 and FY20 to assist in transitioning the water policy advocate program to a core program.

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### **FY17 Data sources**

The FY17 audited financial income statement was used for the various revenues and expenses, with some modifications. Since the budget does work with cash flows, certain items required adjustment to reflect the true cash flow of the organization. For example, the Powerhouse Science Center cash flow for fees collected was \$58,728 but no actual accounting revenue was recognized in FY17.

### **FY20 and beyond**

- 1) These years assume that the WEP program manager and related office costs will shift over time from being supported by WEP dues to being supported by RWA dues. For FY20, WEP is forecasted to be supported by RWA dues by 40%, and this amount increases by 10% per annum.
- 2) The unfunded pension plan liability is expected to increase with the decline in discount rate. The exact increase is unknown, but estimates of the annual required contributions plus the additional contributions have been based upon CalPERS informational expected increases.
- 3) RWA can expect to incur additional integrated water management costs which are forecasted to be approximately \$10K per year.
- 4) Dues are expected to increase significantly in FY20 and FY21 to support the transition of the government support program as well as support for the WEP program cost shift.





**2018 - 2019 FYE Budget Summary**

**Projected Fee Increase**

**4.00%**

**Summary Core only program - includes WEP staffing**

**See Budget Notes for Budget assumptions**

	Actual FY17	Budget FY18	Projected FY18	Proposed FY19	Comments
<b>Revenues</b>					
Dues	\$ 835,231	\$ 923,800	\$ 922,700	\$ 959,000	Increase to cover strategic plan staffing costs
SGA Service Fee	\$ 476,712	\$ 595,100	\$ 568,900	\$ 624,800	Based upon shared costs.
Subscription Programs					
WEP (C)	\$ 184,310	\$ 177,500	\$ 181,500	\$ 162,300	Cost reimbursement fees from WEP subscription program
Other (C)	\$ 94,406	\$ 95,400	\$ 72,600	\$ 88,600	Cost reimbursement fees from other subscription programs
Powerhouse Science Center - Members	\$ 58,728	\$ 60,000	\$ 59,000	\$ 60,000	Powerhouse Science Center - Member payment
Other	\$ 32,323	\$ 15,000	\$ 25,100	\$ 27,600	Interest, holiday social revenues
<b>Total Revenues</b>	<b>\$ 1,681,710</b>	<b>\$ 1,866,800</b>	<b>\$ 1,829,800</b>	<b>\$ 1,922,300</b>	
<b>Expenses</b>					
Staff	\$ 1,131,157	\$ 1,334,500	\$ 1,300,900	\$ 1,429,200	Includes 7 FTEs and CalPERS payment for unfunded liability in out years
Office	\$ 104,588	\$ 131,200	\$ 129,100	\$ 139,300	General 3% cost increases assumed unless specifically identified increase
Professional Fees	\$ 268,597	\$ 300,100	\$ 325,500	\$ 333,100	Audit, actuarial, PR, accounting, legal, IRWM, human resources, water advocacy
Core Project Expenses	\$ -	\$ 25,000	\$ 50,000	\$ 25,000	Powerhouse FY17 payment delayed to FY18. FY18 will reflect FY17 & FY18
Other	\$ 835	\$ 22,700	\$ 12,700	\$ 2,800	Office Furniture
<b>Total Expenses</b>	<b>\$ 1,505,177</b>	<b>\$ 1,813,500</b>	<b>\$ 1,818,200</b>	<b>\$ 1,929,400</b>	
<b>Core Revenue less Expenses (A)</b>	<b>\$ 176,533</b>	<b>\$ 53,300</b>	<b>\$ 11,600</b>	<b>\$ (7,100)</b>	Excludes Subscription programs. Positive result = core revenues < expenses; negative amount = expenses > revenues
<b>Cash, beginning</b>	\$ 943,816	\$ 1,100,079	\$ 1,120,349	\$ 1,131,949	
Source (Use) of Funds (A)	\$ 176,533	\$ 53,300	\$ 11,600	\$ (7,100)	
Net change	\$ 176,533	\$ 53,300	\$ 11,600	\$ (7,100)	
<b>Cash, ending</b>	<b>\$ 1,120,349</b>	<b>\$ 1,153,379</b>	<b>\$ 1,131,949</b>	<b>\$ 1,124,849</b>	
<b>DESIGNATIONS</b>					<b>Increase (decrease)</b>
Designations					<b>in Cash</b>
Operating Fund	\$ 505,400	\$ 582,200	\$ 628,100	\$ 671,000	\$ 42,900
Membership Dues Fund	\$ 123,900	\$ 137,200	\$ 137,200	\$ 142,700	\$ 5,500
Subscription Program Stabilization	\$ 28,400	\$ 27,300	\$ 25,400	\$ 25,100	\$ (300)
Pension Plan Unfunded Liability	\$ 42,000	\$ 45,000	\$ 45,000	\$ -	\$ (45,000)
Powerhouse Science Center	\$ 146,759	\$ 160,631	\$ 155,759	\$ 190,759	\$ 35,000
Strategic Plan Fund	\$ 199,748	\$ 101,048	\$ 109,748	\$ 90,648	\$ (19,100)
Non-designated cash	\$ 74,142	\$ 100,000	\$ 30,742	\$ 4,642	\$ (26,100)
<b>Subtotal core cash</b>	<b>\$ 1,120,349</b>	<b>\$ 1,153,379</b>	<b>\$ 1,131,949</b>	<b>\$ 1,124,849</b>	<b>\$ (7,100)</b>



**2018 - 2019 FYE Budget Summary**  
**Summary Program only**  
 See Program Notes for Budget Assumptions

<b>Subscription Programs</b>		Actual FY17	Budget FY18	Projected FY18	Proposed FY19	
Revenues		\$ 6,994,077	\$ 12,651,200	\$ 6,222,600	\$ 7,418,600	
Expenses - Direct Program		\$ 6,621,380	\$ 12,950,400	\$ 6,338,900	\$ 7,410,400	Prop 84, IRWMP, Drought, Gov't Advocacy & WEP
WEP Expenses - Allocated Program	(C)	\$ 184,310	\$ 177,500	\$ 181,500	\$ 162,300	Prop 50, Prop 84, WEP, CalFed Meter Prog; Government Advocacy
Other Expenses - Allocated Program	(C)	\$ 94,406	\$ 95,400	\$ 72,600	\$ 88,600	Prop 50, Prop 84, WEP, Government Advocacy
		\$ 6,900,096	\$ 13,223,300	\$ 6,593,000	\$ 7,661,300	Staffing and office costs allocated to subscription programs - WEP
		\$ 6,900,096	\$ 13,223,300	\$ 6,593,000	\$ 7,661,300	Staffing and office costs allocated to other subscription programs
<b>Net subscription income (loss)</b>	<b>(B)</b>	<b>\$ 93,981</b>	<b>\$ (572,100)</b>	<b>\$ (370,400)</b>	<b>\$ (242,700)</b>	
<b>Cash, beginning</b>		\$ 902,321	\$ 1,052,024	\$ 1,239,173	\$ 868,773	
Source (Use) of Funds		\$ 93,981	\$ (572,100)	\$ (370,400)	\$ (242,700)	
Advance adjustments		\$ 242,871	\$ -	\$ -	\$ -	Adjusting for cash used versus accrual accounting of costs
<b>Cash, ending</b>		<b>\$ 1,239,173</b>	<b>\$ 479,924</b>	<b>\$ 868,773</b>	<b>\$ 626,073</b>	
						Increase (decrease) in Cash (FY18 to FY19)
<b>Restrictions and advances</b>						
2015 IRWM Grant (P84 Round 3)		\$ 20,949	\$ -	\$ 27,049	\$ 40,049	\$ 13,000
2015 IRWM Grant (WEP R3)		\$ 7,263	\$ -	\$ 7,263	\$ 7,263	\$ -
IRWM Update		\$ -	\$ -	\$ (40,000)	\$ -	\$ 40,000
Government Relations Contract Lobbyist		\$ 81,806	\$ 72,806	\$ 100,806	\$ 6	\$ (100,800)
Prop 84 Grant Management		\$ 86,572	\$ -	\$ 73,572	\$ 38,572	\$ (35,000)
Prop 50 Grant Management		\$ 11,415	\$ 5,739	\$ 9,415	\$ 7,415	\$ (2,000)
2014 Drought Management		\$ 37,199	\$ 60,053	\$ 37,199	\$ 17,699	\$ (19,500)
Water Energy Grant		\$ 500,000	\$ -	\$ 203,400	\$ 3,400	\$ (200,000)
Regional Reliability		\$ 86,143	\$ -	\$ 43	\$ 43	\$ -
SRCSD		\$ 2,325	\$ -	\$ 25	\$ (2,475)	\$ (2,500)
Water Efficiency Program - Cat 1		\$ 548,772	\$ 422,022	\$ 598,772	\$ 662,872	\$ 64,100
Water Efficiency Program - Cat 2		\$ (143,271)	\$ (80,696)	\$ (148,771)	\$ (148,771)	\$ -
		\$ 1,239,173	\$ 479,924	\$ 868,773	\$ 626,073	\$ (242,700)

<b>Reconcile Summary Split to Summary Table</b>		Projected FY18	Proposed FY19	
Core Program Income (Loss)	(A)	\$ 11,600 (A)	\$ (7,100)	
Subscription Program Income (loss)	(B)	\$ (370,400) (B)	\$ (242,700)	
<b>RWA Total</b>	<b>(D)</b>	<b>\$ (358,800) (D)</b>	<b>\$ (249,800)</b>	See Summary Combined Table





2018 - 2019 FYE Budget Summary

Projected Fee Increase

4.00%

Combined Core & Subscription Program Budget

See Budget and Program Notes for Budget Assumptions

	Projected FY18	Proposed FY19	Change from Prior Year	Comments
<b>Revenues</b>				
Dues	\$ 922,700	\$ 959,000	\$ 36,300	Projected rate increase 4.00%
SGA Service Fee	\$ 568,900	\$ 624,800	\$ 55,900	Based upon shared costs
Powerhouse Science - RWA Members	\$ 59,000	\$ 60,000	\$ 1,000	Powerhouse Science Center collected from members over 5 years - last year of collection in FY19
Other	\$ 25,100	\$ 27,600	\$ 2,500	Interest, holiday social
Subscription Program	\$ 6,222,600	\$ 7,418,600	\$ 1,196,000	Prop 50, Prop 84, WEP, Legislative Advocacy, regional reliability, water energy
<b>Total Revenues</b>	<b>\$ 7,798,300</b>	<b>\$ 9,090,000</b>	<b>\$ 1,291,700</b>	
<b>Expenses</b>				
Staff	\$ 1,300,900	\$ 1,429,200	\$ 128,300	All staff costs, including additional pension plan liability payment
Office	\$ 129,100	\$ 139,300	\$ 10,200	General 3% cost increases assumed and some specific cost increases
Professional Fees	\$ 325,500	\$ 333,100	\$ 7,600	Audit, PR, accounting, legal, actuary, IRWM, human resources
Core Project Expenses	\$ 50,000	\$ 25,000	\$ (25,000)	Powerhouse Science Center
Other expenses	\$ 12,700	\$ 2,800	\$ (9,900)	Office equipment
Subscription Program	\$ 6,338,900	\$ 7,410,400	\$ 1,071,500	Prop 50, Prop 84, WEP, Legislative Advocacy, regional reliability, water energy grant
<b>Total Expenses</b>	<b>\$ 8,157,100</b>	<b>\$ 9,339,800</b>	<b>\$ 1,182,700</b>	
<b>Revenues net of Expenses (D)</b>	<b>\$ (358,800)</b>	<b>\$ (249,800)</b>	<b>\$ 109,000</b>	
<b>Cash, beginning</b>	<b>\$ 2,359,522</b>	<b>\$ 2,000,722</b>	<b>\$ (358,800)</b>	
<b>Source (Use) of Funds</b>	<b>\$ (358,800)</b>	<b>\$ (249,800)</b>	<b>\$ 109,000</b>	
<b>Cash, ending</b>	<b>\$ 2,000,722</b>	<b>\$ 1,750,922</b>	<b>\$ (249,800)</b>	
<b>DESIGNATIONS/RESTRICTIONS/ADVANCES</b>				
			Increase (decrease) in Cash	
<i>Designations</i>				
Operating Fund	\$ 628,100	\$ 671,000	\$ 42,900	
Membership Dues Fund	\$ 137,200	\$ 142,700	\$ 5,500	
Subscription Program Stabilization	\$ 25,400	\$ 25,100	\$ (300)	
Pension Plan Unfunded Liability	\$ 45,000	\$ -	\$ (45,000)	
Powerhouse Science Center	\$ 155,759	\$ 190,759	\$ 35,000	
Strategic Plan Fund	\$ 109,748	\$ 90,648	\$ (19,100)	
Non-designated cash	\$ 30,742	\$ 4,642	\$ (26,100)	
<b>Subtotal core cash</b>	<b>\$ 1,131,949</b>	<b>\$ 1,124,849</b>	<b>\$ (7,100)</b>	
<i>Restrictions and advances</i>				
2015 IRWM Grant (P84 R3)	\$ 27,049	\$ 40,049	\$ 13,000	
2015 IRWM Grant (WEP R3)	\$ 7,263	\$ 7,263	\$ -	
IRWM Update	\$ (40,000)	\$ -	\$ 40,000	
Prop 50 grant Management	\$ 9,415	\$ 7,415	\$ (2,000)	
Prop 84 Grant Management	\$ 73,572	\$ 38,572	\$ (35,000)	
2014 Drought Grant Management	\$ 37,199	\$ 17,699	\$ (19,500)	
Water Energy Grant	\$ 203,400	\$ 3,400	\$ (200,000)	
Regional Reliability	\$ 43	\$ 43	\$ -	
Government Relations Contract Lobbyist	\$ 100,806	\$ 6	\$ (100,800)	
SRCS	\$ 25	\$ (2,475)	\$ (2,500)	
Water Efficiency Program - Cat 1	\$ 598,772	\$ 662,872	\$ 64,100	
Water Efficiency Program - Cat 2	\$ (148,771)	\$ (148,771)	\$ -	
<b>Subtotal program restrictions</b>	<b>\$ 868,773</b>	<b>\$ 626,073</b>	<b>\$ (242,700)</b>	
<b>Total Cash Designations/Restrictions</b>	<b>\$ 2,000,722</b>	<b>\$ 1,750,922</b>	<b>\$ (249,800)</b>	



% increase in fees: actual & projected FY19 general				4.00%		15.00%	22.00%	8.00%	5.00%
% increase in fees: actual & projected FY18 associate/affiliate		10.00%		10.00%		10.00%	10.00%	10.00%	
% increase in expenses		3.00%		3.00%		3.00%	3.00%	3.00%	3.00%
Total FTE	6	7	7	7		7	7	7	7
RWA FTE	3.8	4.8	4.8	4.8		4.8	4.8	4.8	4.8

**RWA PROPOSED FY' 2018-2019 BUDGET PROJECTION**

**5-Year Projection**

	RWA FY 17 Actual Per Audit	RWA FY 18 Budget	RWA FY 18 Actual at Dec. 2017	RWA Total FY 18 Projected		RWA FY 19 Budget	Notes		RWA Projected FY 20	RWA Projected FY 21	RWA Projected FY 22	RWA Projected FY 23
<b>ANNUAL REVENUES</b>			rounded									
<b>OPERATING REVENUES</b>												
General Assessments/Fees	\$ 784,911	\$ 863,500	\$ 863,500	\$ 863,500		\$ 897,800	1		\$ 1,032,500	\$ 1,259,700	\$ 1,360,500	\$ 1,428,500
Associate Membership Fee	\$ 41,320	\$ 51,300	\$ 51,300	\$ 51,300		\$ 53,300	2		\$ 53,300	\$ 53,300	\$ 53,300	\$ 53,300
Affiliate Membership Fee	\$ 9,000	\$ 9,000	\$ 7,875	\$ 7,900		\$ 7,900	3		\$ 7,900	\$ 7,900	\$ 7,900	\$ 7,900
SGA Service Agreement Fee	\$ 476,712	\$ 595,100	\$ 228,252	\$ 568,900		\$ 624,800	4		\$ 660,100	\$ 704,200	\$ 723,800	\$ 766,300
WEP Subscription Program	\$ 184,310	\$ 177,500	\$ 82,846	\$ 181,500		\$ 162,300	6		\$ 155,600	\$ 145,000	\$ 132,400	\$ 118,900
Subscription Program - other	\$ 94,406	\$ 95,400	\$ 46,200	\$ 72,600		\$ 88,600	6		\$ 45,500	\$ 16,000	\$ 11,000	\$ 1,000
Powerhouse Science Center - Members	\$ 58,728	\$ 60,000	\$ 58,994	\$ 59,000		\$ 60,000	7		\$ -	\$ -	\$ -	\$ -
Miscellaneous Revenues	\$ 15,676	\$ 8,000	\$ 6,655	\$ 7,100		\$ 8,000	8		\$ 9,200	\$ 11,200	\$ 12,100	\$ 12,700
Interest Income	\$ 16,647	\$ 7,000	\$ 6,862	\$ 18,000		\$ 19,600	9		\$ 18,800	\$ 16,900	\$ 16,300	\$ 15,100
<b>TOTAL REVENUE</b>	<b>\$ 1,681,710</b>	<b>\$ 1,866,800</b>	<b>\$ 1,352,484</b>	<b>\$ 1,829,800</b>		<b>\$ 1,922,300</b>			<b>\$ 1,982,900</b>	<b>\$ 2,214,200</b>	<b>\$ 2,317,300</b>	<b>\$ 2,403,700</b>
<b>STAFF EXPENSES (General):</b>												
Staff Salaries/Wages - 100%	\$ 763,705	\$ 867,200	\$ 406,818	\$ 862,500		\$ 922,300	10		\$ 968,100	\$ 1,016,200	\$ 1,066,600	\$ 1,119,600
Benefits	\$ 250,213	\$ 325,900	\$ 97,919	\$ 297,400		\$ 333,100	11		\$ 360,400	\$ 392,600	\$ 421,700	\$ 445,700
Pension Plan Unfunded Liability	\$ 42,000	\$ 42,000	\$ 42,000	\$ 42,000		\$ 63,000	12		\$ 63,000	\$ 63,000	\$ 63,000	\$ -
Payroll Taxes	\$ 50,790	\$ 69,400	\$ 23,470	\$ 69,000		\$ 73,800	13		\$ 77,400	\$ 81,300	\$ 85,300	\$ 89,600
Travel/Meals/Conferences	\$ 19,598	\$ 25,000	\$ 10,085	\$ 25,000		\$ 30,000	14		\$ 30,900	\$ 31,800	\$ 32,800	\$ 33,800
Professional Development/Training	\$ 4,851	\$ 5,000	\$ -	\$ 5,000		\$ 7,000	15		\$ 7,200	\$ 7,400	\$ 7,600	\$ 7,800
<b>TOTAL GENERAL STAFF EXPENSES</b>	<b>\$ 1,131,157</b>	<b>\$ 1,334,500</b>	<b>\$ 580,292</b>	<b>\$ 1,300,900</b>		<b>\$ 1,429,200</b>			<b>\$ 1,507,000</b>	<b>\$ 1,592,300</b>	<b>\$ 1,677,000</b>	<b>\$ 1,696,500</b>



% increase in fees: actual & projected FY19 general				4.00%		15.00%	22.00%	8.00%	5.00%
% increase in fees: actual & projected FY18 associate/affiliate		10.00%		10.00%		10.00%	10.00%	10.00%	
% increase in expenses		3.00%		3.00%		3.00%	3.00%	3.00%	3.00%
Total FTE	6	7	7	7	7	7	7	7	7
RWA FTE	3.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8

**RWA PROPOSED FY' 2018-2019 BUDGET PROJECTION**

**5-Year Projection**

	RWA FY 17 Actual Per Audit	RWA FY 18 Budget	RWA FY 18 Actual at Dec. 2017	RWA Total FY 18 Projected	RWA FY 19 Budget	Notes	RWA Projected FY 20	RWA Projected FY 21	RWA Projected FY 22	RWA Projected FY 23
<b>OFFICE EXPENSES:</b>										
Rent & Utilities Contract	\$ 19,497	\$ 25,000	\$ 10,403	\$ 25,000	\$ 32,300	16	\$ 32,300	\$ 35,600	\$ 35,600	\$ 35,600
General Liability Insurance	\$ 24,813	\$ 25,800	\$ 25,729	\$ 25,900	\$ 26,500	17	\$ 27,300	\$ 28,100	\$ 28,900	\$ 29,800
Office Maintenance	\$ -	\$ 500	\$ -	\$ 500	\$ 500	18	\$ 600	\$ 700	\$ 800	\$ 900
Postage and Postal Meter	\$ 1,093	\$ 3,100	\$ 1,909	\$ 3,000	\$ 3,000	19	\$ 3,100	\$ 3,200	\$ 3,300	\$ 3,400
Telephone/internet/web hosting	\$ 11,173	\$ 12,000	\$ 5,047	\$ 12,300	\$ 12,700	20	\$ 13,100	\$ 13,500	\$ 13,900	\$ 14,300
Meetings & Annual Banquet	\$ 13,924	\$ 14,000	\$ 2,700	\$ 15,000	\$ 15,500	21	\$ 16,000	\$ 16,500	\$ 17,000	\$ 17,500
Printing/Supplies	\$ 15,401	\$ 27,200	\$ 6,786	\$ 20,000	\$ 20,600	23	\$ 21,200	\$ 21,800	\$ 22,500	\$ 23,200
Dues & Subscriptions	\$ 7,077	\$ 11,000	\$ 2,204	\$ 11,000	\$ 11,300	24	\$ 11,600	\$ 11,900	\$ 12,300	\$ 12,700
Computer hardware/software	\$ 4,379	\$ 5,400	\$ -	\$ 5,400	\$ 5,600	25	\$ 5,800	\$ 6,000	\$ 6,200	\$ 6,400
Computer maintenance	\$ 7,231	\$ 7,200	\$ 6,620	\$ 11,000	\$ 11,300	26	\$ 11,600	\$ 11,900	\$ 12,300	\$ 12,700
<b>TOTAL OFFICE EXPENSE</b>	<b>\$ 104,588</b>	<b>\$ 131,200</b>	<b>\$ 61,398</b>	<b>\$ 129,100</b>	<b>\$ 139,300</b>		<b>\$ 142,600</b>	<b>\$ 149,200</b>	<b>\$ 152,800</b>	<b>\$ 156,500</b>
<b>PROFESSIONAL FEES</b>										
RWA Legal	\$ 59,754	\$ 50,000	\$ 32,221	\$ 65,000	\$ 68,300	27	\$ 71,700	\$ 75,300	\$ 79,100	\$ 83,100
RWA/SGA Audit	\$ 20,250	\$ 23,000	\$ 350	\$ 21,400	\$ 32,000	28	\$ 33,600	\$ 35,300	\$ 37,100	\$ 39,000
ADP Payroll Services/banking	\$ 2,065	\$ 2,000	\$ 979	\$ 2,600	\$ 2,700	29	\$ 2,800	\$ 2,900	\$ 3,000	\$ 3,100
RWA Consultants	\$ 186,528	\$ 225,100	\$ 53,020	\$ 236,500	\$ 230,100	30	\$ 345,200	\$ 380,800	\$ 359,900	\$ 393,800
<b>TOTAL PROFESSIONAL FEES</b>	<b>\$ 268,597</b>	<b>\$ 300,100</b>	<b>\$ 86,570</b>	<b>\$ 325,500</b>	<b>\$ 333,100</b>		<b>\$ 453,300</b>	<b>\$ 494,300</b>	<b>\$ 479,100</b>	<b>\$ 519,000</b>
<b>OTHER EXPENSES</b>			\$ 42,612							
Office furniture & Fixed Assets - Net	\$ 835	\$ 2,700	\$ 789	\$ 12,700	\$ 2,800	31	\$ 2,900	\$ 3,000	\$ 3,100	\$ 3,200
Office Move	\$ -	\$ 20,000	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
New Server	\$ -	\$ -	\$ -	\$ -	\$ -	31	\$ -	\$ 15,000	\$ -	\$ -
<b>TOTAL Other Expenses</b>	<b>\$ 835</b>	<b>\$ 22,700</b>	<b>\$ 789</b>	<b>\$ 12,700</b>	<b>\$ 2,800</b>		<b>\$ 2,900</b>	<b>\$ 18,000</b>	<b>\$ 3,100</b>	<b>\$ 3,200</b>
<b>CORE PROJECT EXPENSES</b>										
Powerhouse Science Center	\$ -	\$ 25,000	\$ -	\$ 50,000	\$ 25,000	32	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
<b>Total Core Project Expenses</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 25,000</b>		<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>
<b>TOTAL EXPENSES</b>	<b>\$ 1,505,177</b>	<b>\$ 1,813,500</b>	<b>\$ 729,049</b>	<b>\$ 1,818,200</b>	<b>\$ 1,929,400</b>	33	<b>\$ 2,130,800</b>	<b>\$ 2,278,800</b>	<b>\$ 2,337,000</b>	<b>\$ 2,400,200</b>
Net Income (Loss) - Total	\$ 176,533	\$ 53,300	\$ 623,435	\$ 11,600	\$ (7,100)	34	\$ (147,900)	\$ (64,600)	\$ (19,700)	\$ 3,500



% increase in fees: actual & projected FY19 general				4.00%		15.00%	22.00%	8.00%	5.00%
% increase in fees: actual & projected FY18 associate/affiliate		10.00%		10.00%		10.00%	10.00%	10.00%	
% increase in expenses		3.00%		3.00%		3.00%	3.00%	3.00%	3.00%
Total FTE	6	7		7		7	7	7	7
RWA FTE	3.8	4.8		4.8		4.8	4.8	4.8	4.8

**RWA PROPOSED FY' 2018-2019 BUDGET PROJECTION**

**5-Year Projection**

	RWA FY 17 Actual Per Audit	RWA FY 18 Budget	RWA FY 18 Actual at Dec. 2017	RWA Total FY 18 Projected	RWA FY 19 Budget	Notes	RWA Projected FY 20	RWA Projected FY 21	RWA Projected FY 22	RWA Projected FY 23
<b>CALCULATED CASH RESERVES</b>										
CASH available, Beginning	\$ 943,816	\$ 1,100,079	\$ 1,120,349	\$ 1,120,349	\$ 1,131,949	35	\$ 1,124,849	\$ 976,949	\$ 912,349	\$ 892,649
SOURCE (USE) OF FUNDS	\$ 176,533	\$ 53,300	\$ 623,435	\$ 11,600	\$ (7,100)	34	\$ (147,900)	\$ (64,600)	\$ (19,700)	\$ 3,500
CASH available, Ending	\$ 1,120,349	\$ 1,153,379	\$ 1,743,784	\$ 1,131,949	\$ 1,124,849	36	\$ 976,949	\$ 912,349	\$ 892,649	\$ 896,149
Operating Fund (4 to 6 months)	\$ 505,400	\$ 582,200	\$ 243,000	\$ 628,100	\$ 671,000	37	\$ 628,200	\$ 558,500	\$ 550,500	\$ 571,100
Membership Dues Stabilization @ 15%	\$ 123,900	\$ 137,200	\$ 137,200	\$ 137,200	\$ 142,700	38	\$ 162,900	\$ 197,000	\$ 212,100	\$ 222,300
Subscription Progr. Stabilization @ 10%	\$ 28,400	\$ 27,300	\$ 27,300	\$ 25,400	\$ 25,100	39	\$ 20,100	\$ 16,100	\$ 14,300	\$ 12,000
Pension Plan Unfunded Liability	\$ 42,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ -	40	\$ -	\$ -	\$ -	\$ -
Powerhouse Science Center Fund	\$ 146,759	\$ 160,631	\$ 205,753	\$ 155,759	\$ 190,759	41	\$ 165,759	\$ 140,759	\$ 115,759	\$ 90,759
Strategic Plan Fund	\$ 199,748	\$ 101,048	\$ -	\$ 109,748	\$ 90,648	42	\$ -	\$ -	\$ -	\$ -
Non-designated Cash	\$ 74,142	\$ 100,000	\$ 1,085,531	\$ 30,742	\$ 4,642	43	\$ (10)	\$ (10)	\$ (10)	\$ (10)
Total Cash in bank	\$ 1,120,349	\$ 1,153,379	\$ 1,743,784	\$ 1,131,949	\$ 1,124,849	36	\$ 976,949	\$ 912,349	\$ 892,649	\$ 896,149
# of months core + non-designated cash covers expenses	4.8	4.7		6.3	6.0	44	5.0	4.1	4.0	4.1



**RWA**  
**FY 2018-2019 BUDGET PROJECTION NOTES**  
**CORE ONLY**

- 1 Assumes a 4% increase in RWA general fees due to partially paying for the lobbyist program that will become a part of the core program as well as continued set aside of CalPERS unfunded liability for future payment.
- 2 There are now five associate members.
- 3 On May 15, 2014, the RWA Board approved a "RWA Affiliate" membership class. The purpose of the Affiliate membership will help to promote communication between water managers and the community and to support RWA's efforts to educate and inform the public.
- 4 Administrative fees due to RWA from Sacramento Groundwater Authority (SGA) for management, office and program services. Calculated as shared operating expenses, plus SGA asset/office equipment purchases, minus RWA legal, RWA only consulting fees, plus SGA only costs paid by RWA.
- 5 Not used
- 6 Represents projected cash/fees earned by RWA from managing subscription based programs. The WEP subscription component represents fees that cover staffing, benefits, and office overhead costs and is projected to decrease its contribution to the CORE program over time as the cost of funding the WEP manager and related office costs is shifting incrementally at 10% per year. For FY19, RWA is projecting a 30% shift of costs being paid by RWA Core dues.
- 7 The Powerhouse Science Center will be a premier venue for science education and information in northern California. The Regional Water Authority was presented with a unique opportunity to become a partner with the Center in informing and educating the public on water issues that affect our region. RWA entered into a 15-year agreement with the Center to sponsor and guide the content development for two exhibits (\$250K each). The payments were collected from members and placed in a designation and will be paid out over 15 years. The California Water Awareness Campaign contribute \$100K on RWA's behalf. Additionally, a Prop 84 WEP grant helped fund \$50K and the WEP program will fund another \$50K at \$5K per year over 10 years. Includes back payment from El Dorado County Water Agency.
- 8 Miscellaneous revenues include revenues collected for the December holiday social and cash discounts from CalCard for paying on time.
- 9 Interest income from the RWA Local Agency Investment Fund (LAIF) account.



**RWA**  
**FY 2018-2019 BUDGET PROJECTION NOTES**  
**CORE ONLY**

- 10 Staff salaries include a total of seven full time positions, split between the organizations, with a total of 2.2 FTEs for SGA. The FTE count does not include the retired annuitants. This year's salaries reflect the compensation survey amounts approved by the RWA Board. It also will include shifting the last 1% to the employees so that employees pay their entire CalPERS contribution of 7%.
- 11 Benefits include employer PERS, medical, vision, dental, disability insurance, OPEB and workers' compensation for the seven staff members. FY 2019 budget anticipates an increase in medical costs of 7.0%, other costs at 3% and OPEB costs to fund explicit and implicit subsidy and using the implicit credit subsidy from current employees as calculated by the actuaries. In FY18, a salary compensation study was completed and included the employees paying their 7% share of CalPERS contribution.
- 12 Represents the estimated 100% payment of the allocated unfunded pension liability to RWA over four years, with an installment payment in FY2019. This budget reflects continued additional annual down payments to pay down this unfunded liability at a 7.0% discount rate. See note 40 for additional details.
- 13 Payroll taxes for seven staff members. Payroll taxes for the retired annuitant are included in the retired annuitant costs.
- 14 Travel and conferences.
- 15 Includes computer training and other professional development classes.
- 16 The current lease expires in FY18. The RWA Board approved a new lease that will start in August, 2018. The lease terms includes two years at \$1.00 square foot and increases for three years at \$1.10 square foot.
- 17 Property and liability coverage obtained through ACWA JPIA.
- 18 Includes costs for office maintenance needs.
- 19 Reflects mailing activities and cost of postage machine rental.
- 20 Includes telephone and conference call costs, web hosting for the website and internet service costs.
- 21 Miscellaneous meeting charges including food/refreshments. In house preparation of refreshments for board meetings has lowered the expenses in this category compared to prior years. Includes cost of the annual holiday social event.



**RWA**  
**FY 2018-2019 BUDGET PROJECTION NOTES**  
**CORE ONLY**

- 22 Not used
- 23 Includes supplies, printing, copier maintenance and copier lease costs.
- 24 Dues include ACWA, AWWA, CSDA, Water Education Foundation and Sacramento Metro Chamber of Commerce. Subscriptions include Wavelength legislative service, Business Journal, the Capitol Morning Report and Sacramento Bee.
- 25 Acquisition of new hardware/software to replace aging and out-of-date components.
- 26 General computer maintenance service. A new contract was signed to include cloud back up replacing the tape back up system. This coverage is needed because it is more secure and will reduce downtime if something happens to the server.
- 27 Legal expenses in support of general RWA board meetings, resolutions, regulatory analyses, and services related to contracts. Expanded RWA involvement in external issues necessitate increased legal fees.
- 28 Audit fees are set by the awarded proposal. The Executive Committee continued the contract with Richardson and Company to make a smooth transition with the CalPERS issue with SGA for one year only in FY18. Will need new auditors for FY19. The audit costs will increase.
- 29 Payroll service costs for 7 employees, two retired annuitants, plus commercial banking fees.
- 30 Fees for public relations, communications, outreach services (media relations, meeting facilitation, engineering support, workshop facilitation), HR services, accounting and budgeting support, water policy advocacy, and actuarial valuations (GASB 68 and 75).
- 31 Includes furniture and office equipment. Anticipates a possible replacement of the server in FY21.
- 32 Reflects expected annual payment to Powerhouse science center. RWA negotiated a new contract with the PH and includes a \$50k payment in FY 18 (\$25K for FY 2017 and \$25K for FY18). Payments will continue at \$25K per year. (15 years total)
- 33 Represents total operating expenses, excluding subscription based direct program expenses. The operating fund designation is based upon four to six months of operating expenses excluding core project expenses and any one-time large, non-recurring expenses.



**RWA**  
**FY 2018-2019 BUDGET PROJECTION NOTES**  
**CORE ONLY**

- 34 Represents the difference between total funds received versus total expenses during the year for the core program.
- 35 Beginning cash reflects cash related to the core programs. Audited accrual cash balance are converted to cash basis to account for cash impact on core and subscription programs.
- 36 Total cash. The designations are detailed in footnotes 37-44.
- 37 Represents the operating fund designation to pay for operating expenditures. Per policy, this fund range target is four to six months of operating expenses net of SGA expected reimbursements (approximately 90%), not including Core Project expenses and non-recurring one-time expense. For FY16 through FY17, the operating designation was set at a maximum of 4 months in order to fund the Strategic Plan Fund designation.
- 38 Represents membership dues designation according to policy at 15% of anticipated membership dues.
- 39 Represents the subscription program designation according to policy at 10% of expected management fees and indirect office costs.
- 40 The total estimate for the unfunded pension liability for RWA at June 30, 2016 is approximately \$281,700 at 7.0% based upon CalPERS June 30, 2016 report and doesn't factor in the FY17 \$42K additional payment. This unfunded liability represents 100% of RWA's liability. According to Policy 500.15, RWA will now budget to pay the unfunded liability over a four year period using the latest data available from CalPERS valuation reports. Previously, RWA had approximated additional payments over a longer time horizon (approximately 10 years due to anticipated decreases in discount rates).
- 41 RWA entered into a 15-year agreement with the Powerhouse Science Center to sponsor and guide the content development for two exhibits (\$250K each). The payments will be collected from members over 5 years, placed in a designation and will be paid out over 15 years. The California Water Awareness Campaign contributed \$100K on RWA's behalf. Additionally, a Prop 84 WEP grant funded \$50K in FY15 and the WEP program will fund another \$50K (over 10 years).
- 42 The strategic plan outlined staffing a legislative and regulatory manager to implement RWA's regional water voice on important water legislation that impacts members and the region. The program has proved to be successful and is now staffed by a full-time person to fully implement the strategic plan goals. This designation will be drawn down by the end of FY20 and will be used to fund the second half of FY19 and the remainder in FY20 to help pay for the water advocacy consultant fees which will now be a core program mid FY19.

**RWA**  
**FY 2018-2019 BUDGET PROJECTION NOTES**  
**CORE ONLY**

- 43 Represents cash over and above designation policies, if any.
- 44 Per policy, the target range for this fund is four to six months of operating expenses net of SGA reimbursements, and does not include Core Project expenses and one-time non-recurring costs. In anticipation of fully implementing the strategic plan and funding the water policy position in future years, the operating designation maximum for FY16-17 is targeted at four months, with the balance of additional funds being set aside in the strategic plan designation. The strategic fund plan will be drawn down by the end of FY20.



Regional Water Authority See Budget Projection Notes for Budget Assumptions				FY' 2018-2019 Program Budget Projection							
	RWA FY 17	RWA FY 18	RWA FY 18	RWA Total	FY 19 Proposed	Notes	Projected FY 20	Projected FY 21	Projected FY 22	Projected FY 23	
	Actual	Budget	Dec. 2017	FY 18	Budget						
<b>REVENUES/GRANTS/AGREEMENTS</b>											
Proposition 50 Grant Management Fees	\$ 14,239	\$ -	\$ -	\$ -	\$ -	1,2	\$ -	\$ -	\$ -	\$ -	
Prop. 50 Grant Awards	\$ 377,629	\$ -	\$ -	\$ -	\$ -	2	\$ -	\$ -	\$ -	\$ -	
2018 IRWM Update			\$ -	\$ 190,000	\$ 60,000		\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Pass Through (RWA R3)	\$ -	\$ 657,000	\$ -	\$ 205,500	\$ 657,000	3	\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Management Fees (RWA R3)	\$ 10,893	\$ 20,000	\$ 3,271	\$ 21,100	\$ 28,000	3	\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Pass Through (WEP R3)	\$ 238,226	\$ 611,000	\$ -	\$ 200,000	\$ 500,000	3	\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Management Fees (WEP R3)	\$ 2,165	\$ 8,600	\$ -	\$ 3,800	\$ 7,600	3	\$ -	\$ -	\$ -	\$ -	
Regional Reliability Plan Management Fees	\$ 298,997	\$ 350,000	\$ 88,460	\$ 88,500	\$ -	4	\$ -	\$ -	\$ -	\$ -	
2014 Drought Application Fees	\$ 118	\$ -	\$ -	\$ -	\$ -	5	\$ -	\$ -	\$ -	\$ -	
2014 Drought Grant Management Fees	\$ 5,469	\$ 46,000	\$ -	\$ 15,300	\$ 11,500	6	\$ -	\$ -	\$ -	\$ -	
2014 Drought Grant Reimbursements from DWR	\$ 1,113,031	\$ 3,400,500	\$ -	\$ 371,800	\$ 2,209,000	7	\$ -	\$ -	\$ -	\$ -	
2014 Water Energy Grant Management Fees	\$ -	\$ 10,100	\$ -	\$ 28,900	\$ -	8	\$ -	\$ -	\$ -	\$ -	
2014 Water Energy Grant Reimbursements DWR	\$ 807,916	\$ 1,212,800	\$ 847,154	\$ 1,740,600	\$ -	9	\$ -	\$ -	\$ -	\$ -	
Proposition 84 Grant Management	\$ 25,518	\$ 12,000	\$ -	\$ -	\$ -	10	\$ -	\$ -	\$ -	\$ -	
Proposition 84 Reimbursements from DWR	\$ 2,849,653	\$ 5,400,000	\$ 447,188	\$ 2,536,000	\$ 3,143,500	11	\$ -	\$ -	\$ -	\$ -	
USBR CalFed Meter 2014 fees	\$ 4,390	\$ -	\$ -	\$ -	\$ -	13	\$ -	\$ -	\$ -	\$ -	
USBR CalFed WaterSmart Meter 2014 Fees	\$ 3,830	\$ -	\$ -	\$ -	\$ -	14	\$ -	\$ -	\$ -	\$ -	
USBR CalFed Retrofits 2014 Fees	\$ 207,262	\$ -	\$ -	\$ -	\$ -	15	\$ -	\$ -	\$ -	\$ -	
American River Basin (ARB Plan of Study)	\$ 30,000	\$ -	\$ -	\$ -	\$ -	16	\$ -	\$ -	\$ -	\$ -	
Labor Compliance Revenues	\$ 71,079	\$ -	\$ 15,149	\$ 15,100	\$ -	17	\$ -	\$ -	\$ -	\$ -	
Government Relations Contract Lobbyist Fees	\$ 120,000	\$ 120,000	\$ 21,000	\$ 154,000	\$ -	19	\$ -	\$ -	\$ -	\$ -	
Water Efficiency Program Admin. Fees (Cat.1)	\$ 450,727	\$ 453,200	\$ 451,964	\$ 452,000	\$ 452,000	20	\$ 452,000	\$ 452,000	\$ 452,000	\$ 452,000	
Water Efficiency Grant Revenues (Cat. 2)	\$ 358,860	\$ 350,000	\$ 58,719	\$ 200,000	\$ 350,000	21	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	
Water Efficiency Program Admin. Fees (Cat. 2)	\$ 4,075	\$ -	\$ -	\$ -	\$ -	21	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL PROGRAM REVENUE</b>	<b>\$ 6,994,077</b>	<b>\$ 12,651,200</b>	<b>\$ 1,932,905</b>	<b>\$ 6,222,600</b>	<b>\$ 7,418,600</b>		<b>\$ 802,000</b>	<b>\$ 802,000</b>	<b>\$ 802,000</b>	<b>\$ 802,000</b>	
<b>PROGRAM EXPENSES</b>											
Proposition 50 Grant Management	\$ 7,074	\$ -	\$ -	\$ 2,000	\$ 2,000	1,2	\$ -	\$ -	\$ -	\$ -	
Prop. 50 Grant Payments	\$ 377,629	\$ -	\$ -	\$ -	\$ -	2	\$ -	\$ -	\$ -	\$ -	
2018 IRWM Update Expenses	\$ 9,587		\$ 7,677	\$ 230,000	\$ 20,000		\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Pass Through (RWA R3)	\$ -	\$ 657,000	\$ -	\$ 205,500	\$ 657,000	3	\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Management (RWA R3)	\$ -	\$ -	\$ -	\$ -	\$ -	3	\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Pass Through (WEP R3)	\$ 46,088	\$ 611,000	\$ -	\$ 200,000	\$ 500,000	3	\$ -	\$ -	\$ -	\$ -	
2015 IRWM Grant Manage Expenses (WEP R3)	\$ 132,874	\$ 7,500	\$ -	\$ -	\$ -	3	\$ -	\$ -	\$ -	\$ -	
Regional Reliability Plan Direct Expenses	\$ 307,389	\$ 400,000	\$ 84,352	\$ 174,600	\$ -	4	\$ -	\$ -	\$ -	\$ -	
2014 Drought Application	\$ -	\$ -	\$ -	\$ -	\$ -	5	\$ -	\$ -	\$ -	\$ -	
2014 Drought Grant Management	\$ 31	\$ -	\$ 16	\$ -	\$ -	6	\$ -	\$ -	\$ -	\$ -	
2014 Drought Grant Disbursements from DWR	\$ 1,099,472	\$ 3,400,500	\$ -	\$ 371,800	\$ 2,209,000	7	\$ -	\$ -	\$ -	\$ -	
2014 Water Energy Grant Management	\$ -	\$ 568,400	\$ 15	\$ 300,000	\$ 200,000	8	\$ -	\$ -	\$ -	\$ -	
2014 Water Energy Grant Reimbursements DWR	\$ 830,612	\$ 1,212,800	\$ 1,153,379	\$ 1,740,600	\$ -	9	\$ -	\$ -	\$ -	\$ -	
Proposition 84 implementation Grant Management	\$ 31	\$ -	\$ 47	\$ -	\$ -	10	\$ -	\$ -	\$ -	\$ -	
Proposition 84 payments to Member Agencies	\$ 2,849,653	\$ 5,400,000	\$ 447,188	\$ 2,536,000	\$ 3,143,500	11	\$ -	\$ -	\$ -	\$ -	
USBR CalFed Meter 2014	\$ 840	\$ -	\$ -	\$ -	\$ -	13	\$ -	\$ -	\$ -	\$ -	
USBR CalFed WaterSmart Meter 2014	\$ 280	\$ -	\$ -	\$ -	\$ -	14	\$ -	\$ -	\$ -	\$ -	



<b>Regional Water Authority</b> See Budget Projection Notes for Budget Assumptions				<b>FY' 2018-2019 Program Budget Projection</b>							
	<b>RWA</b>	<b>RWA</b>	<b>RWA</b>	<b>RWA</b>	<b>FY 19</b>	<b>Notes</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	
	<b>FY 17</b>	<b>FY 18</b>	<b>FY 18</b>	<b>Total</b>	<b>Proposed</b>		<b>FY 20</b>	<b>FY 21</b>	<b>FY 22</b>	<b>FY 23</b>	
USBR CalFed Retrofits 2014	\$ 203,718	\$ -	\$ -	\$ -	\$ -	15	\$ -	\$ -	\$ -	\$ -	
American River Basin (ARB Plan of Study)	\$ 29,716	\$ -	\$ -	\$ -	\$ -	16	\$ -	\$ -	\$ -	\$ -	
Labor Compliance Expenses	\$ 71,079	\$ -	\$ 15,149	\$ 15,100	\$ -	17	\$ -	\$ -	\$ -	\$ -	
Government Relations Contract Lobbyist & Fees	\$ 120,000	\$ 120,000	\$ 75,000	\$ 135,000	\$ 100,800	19	\$ -	\$ -	\$ -	\$ -	
Water Efficiency Program Admin. (Cat.1)	\$ 171,448	\$ 223,200	\$ 51,300	\$ 228,300	\$ 228,100	20	\$ 225,200	\$ 218,600	\$ 210,300	\$ 201,300	
Water Efficiency Grant Payments (Cat. 2)	\$ 363,859	\$ 350,000	\$ 156,600	\$ 200,000	\$ 350,000	21	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	
Staffing and Office Program Management	\$ 278,716	\$ 272,900	\$ 129,046	\$ 254,100	\$ 250,900	22	\$ 201,100	\$ 161,000	\$ 143,400	\$ 119,900	
<b>TOTAL PROGRAM EXPENSES</b>	<b>\$ 6,900,096</b>	<b>\$ 13,223,300</b>	<b>\$ 2,119,769</b>	<b>\$ 6,593,000</b>	<b>\$ 7,661,300</b>		<b>\$ 776,300</b>	<b>\$ 729,600</b>	<b>\$ 703,700</b>	<b>\$ 671,200</b>	
<b>Net Income (Loss)</b>	<b>\$ 93,981</b>	<b>\$ (572,100)</b>	<b>\$ (186,864)</b>	<b>\$ (370,400)</b>	<b>\$ (242,700)</b>	23	<b>\$ 25,700</b>	<b>\$ 72,400</b>	<b>\$ 98,300</b>	<b>\$ 130,800</b>	



Regional Water Authority See Budget Projection Notes for Budget Assumptions				FY' 2018-2019 Program Budget Projection							
	RWA FY 17	RWA FY 18	RWA FY 18	RWA Total	FY 19 Proposed	Notes	Projected FY 20	Projected FY 21	Projected FY 22	Projected FY 23	
<b>CASH RESERVES</b>											
Beginning reserves	\$ 902,321	\$ 1,052,024	\$ 1,239,173	\$ 1,239,173	\$ 868,773	24	\$ 626,073	\$ 651,773	\$ 724,173	\$ 822,473	
<b>SOURCE (USE) OF FUNDS</b>	\$ 93,981	\$ (572,100)	\$ (186,864)	\$ (370,400)	\$ (242,700)	23	\$ 25,700	\$ 72,400	\$ 98,300	\$ 130,800	
ADVANCE ADJUSTMENTS	\$ 242,871	\$ -	\$ -	\$ -	\$ -	25	\$ -	\$ -	\$ -	\$ -	
<b>CASH RESERVES, Ending</b>	<b>\$ 1,239,173</b>	<b>\$ 479,924</b>	<b>\$ 1,052,309</b>	<b>\$ 868,773</b>	<b>\$ 626,073</b>	<b>26</b>	<b>\$ 651,773</b>	<b>\$ 724,173</b>	<b>\$ 822,473</b>	<b>\$ 953,273</b>	
<b>Subscription Program Designations/Advanced Revenues</b>											
Water Efficiency Program - Category 1	\$ 548,772	\$ 422,022	\$ 870,436	\$ 598,772	\$ 662,872	27	\$ 736,572	\$ 827,472	\$ 939,272	\$ 1,073,572	
Water Efficiency Program - Category 2	\$ (143,271)	\$ (80,696)	\$ (243,873)	\$ (148,771)	\$ (148,771)	27	\$ (148,771)	\$ (148,771)	\$ (148,771)	\$ (148,771)	
<b>Subtotal - Designations</b>	<b>\$ 405,501</b>	<b>\$ 341,326</b>	<b>\$ 626,563</b>	<b>\$ 450,001</b>	<b>\$ 514,101</b>	<b>26</b>	<b>\$ 587,801</b>	<b>\$ 678,701</b>	<b>\$ 790,501</b>	<b>\$ 924,801</b>	
<b>Advanced Revenues (recognized as income when expenses are incurred)</b>											
2015 IRWM Grant (RWA R3)	\$ 20,949	\$ -	\$ 20,949	\$ 27,049	\$ 40,049		\$ 25,049	\$ 10,049	\$ 49	\$ 49	
2015 IRWM Grant (WEP R3)	\$ 7,263	\$ -	\$ 6,693	\$ 7,263	\$ 7,263		\$ 7,263	\$ 7,263	\$ 7,263	\$ 7,263	
2018 IRWMP Update			\$ (7,677)	\$ (40,000)	\$ -		\$ -	\$ -	\$ -	\$ -	
Government Relations Contract Lobbyist	\$ 81,806	\$ 72,806	\$ 27,806	\$ 100,806	\$ 6		\$ 6	\$ 6	\$ 6	\$ 6	
Prop 84 Grant Management	\$ 86,572	\$ -	\$ 77,590	\$ 73,572	\$ 38,572		\$ 9,072	\$ 9,072	\$ 9,072	\$ 9,072	
Prop 50 Grant Management	\$ 11,415	\$ 5,739	\$ 11,415	\$ 9,415	\$ 7,415		\$ 6,415	\$ 5,415	\$ 4,415	\$ 3,415	
2014 Drought Management	\$ 37,199	\$ 60,053	\$ 24,758	\$ 37,199	\$ 17,699		\$ 17,699	\$ 17,699	\$ 17,699	\$ 17,699	
2014 Water Energy	\$ 500,000	\$ -	\$ 172,761	\$ 203,400	\$ 3,400		\$ 3,400	\$ 3,400	\$ 3,400	\$ 3,400	
Regional Reliability Plan	\$ 86,143	\$ -	\$ 90,251	\$ 43	\$ 43		\$ 43	\$ 43	\$ 43	\$ 43	
SRCSD	\$ 2,325	\$ -	\$ 1,200	\$ 25	\$ (2,475)		\$ (4,975)	\$ (7,475)	\$ (9,975)	\$ (12,475)	
<b>Subtotal - Advances</b>	<b>\$ 833,672</b>	<b>\$ 138,598</b>	<b>\$ 425,746</b>	<b>\$ 418,772</b>	<b>\$ 111,972</b>	<b>28</b>	<b>\$ 63,972</b>	<b>\$ 45,472</b>	<b>\$ 31,972</b>	<b>\$ 28,472</b>	
<b>Total</b>	<b>\$ 1,239,173</b>	<b>\$ 479,924</b>	<b>\$ 1,052,309</b>	<b>\$ 868,773</b>	<b>\$ 626,073</b>		<b>\$ 651,773</b>	<b>\$ 724,173</b>	<b>\$ 822,473</b>	<b>\$ 953,273</b>	



**RWA PROGRAM  
FY 2018-2019 BUDGET PROJECTION NOTES**

- 1 The American River Basin Integrated Regional Water Management Plan, developed jointly by the Regional Water Authority (RWA) and the Freeport Regional Water Authority (FRWA) in June 2006, was among seven projects recommended for funding statewide in a two-step grant process through Proposition 50. The \$25 million grant helped fund key elements of the plan, including a suite of 14 infrastructure projects. The grant concluded in FY17, but there are ongoing reporting requirements to the state for 10 years. Funds for reporting have been collected and are reflected in advanced revenues. See note 28 below. At the conclusion of final reporting, any unused funds will be returned to participating agencies.
- 2 Department of Water Resources grant proceeds earned by participating agencies, but administered through RWA. These funds are then paid to members as received.
- 3 RWA was awarded the IRWM grant and collected fees for program management. This IRWM grant though DWR developed and executed a funding agreement for the \$1.757 million grant award from the 2015 Proposition 84 Integrated Regional Water Management Implementation Grant to support four priority projects in the region, including a regional water efficiency grant.
- 4 The Regional Reliability Plan is a subscription project launched in FY17. Funding for the project include \$50k from the IRWM designation, fees collected from project participants, reimbursement from a Drought Contingency Planning Grant awarded to Placer County Water Agency in FY16, and reimbursement from a Prop 1 Planning Grant awarded to RWA in FY17. Expenses are to fund consultant support to develop the plan, which will include an update to the RWA Integrated Regional Water Management Plan.
- 5 This 2014 Drought grant application was entered into by 12 agencies to help the region maintain water supply when drought conditions persist. The grant was awarded to RWA. (see note 6)
- 6 RWA received a final recommendation on November 12, 2014 from the Department of Water Resources (DWR) for a \$9.765 million award from the 2014 Integrated Regional Water Management Drought Grant funded through Proposition 84. These fees are for RWA's grant management expenses in administering the grant award and were collected from participating agencies in FY16 and are reflected in advanced revenue (see note 28). The grant partially funds 17 projects by 12 different agencies that will help the region maintain water supply during a drought. The DWR funding agreement was completed in July 2015 and the grant is expected to be completed in FY19.
- 7 The 2014 drought grant reimbursements from DWR and disbursements to member agencies.



- 8 The 2014 Water Energy grant with DWR to develop a funding agreement for a \$2.5 million award from the DWR 2014 Water-Energy Grant Program. The project addresses the Sacramento region disadvantaged communities' (DACs) need to replace high-water-use and high-energy-use fixtures with more efficient fixtures to lower income households. The contractor-based and customer-based project provides fixtures directly to customers free of charge. The Project will replace approximately 30,000 fixtures, and will conserve more than 1,500 million gallons (MG) of water and 1,600 megawatts (MW) of energy in DACs in the service areas of Sacramento, West Sacramento, Sacramento Suburban Water District (SSWD) and California American (CalAm). Fees are being collected from participating agencies to fund contractor activities while awaiting reimbursement from the grant. At the conclusion of the project, the fees collected will be returned to participating agencies. Fees of \$300,000 will be returned to participants in FY18 and the remaining \$200,000 are projected to be returned in FY19.
- 9 The 2014 Water Energy grant reimbursements from DWR and disbursements to member agencies.
- 10 These fees are for RWA's grant management expenses in administering a \$16.03 million award from the Prop 84 Implementation Grant Program. The project commenced in FY 2012. Staff estimated a total project management expense of approximately \$183,300, the remainder was collected in FY 2016. Funds will be designated for use in Prop 84 Implementation Grant Management until program requirements are completed. Projects are expected to be completed in 2018 with up to 10 years of post-project performance monitoring required.
- 11 The Proposition 84 grant reimbursements from DWR and disbursements to member agencies.
- 12 Not used
- 13 Early in 2014, RWA was notified by the Bureau of Reclamation of three successful grant applications. RWA prepared the applications and submitted them through Sacramento Suburban Water District, because RWA is not considered an eligible applicant. The first of the applications is for a meter grant through the Calfed Bay-Delta grant program. The award was for \$300,000. Agencies receiving a portion of the grants are SSWD, City of Sacramento, and the City of West Sacramento. RWA is acting as the grant manager including ensuring participants comply with contract terms, prepare quarterly reports and prepare reimbursement invoices. Actual reimbursement for grant expenses (e.g., contractors) are distributed directly to SSWD, then out to participants. The funds collected here are for grant management expenses only, and include some funding for SSWD expenses as incurred (e.g., distributing checks to participants, single audit requirement, etc.). This project was completed in FY17.



- 14 The second of three grant applications from the USBR is the WaterSMART Meter grant for residential water meter installations. The award was for \$300,000. Agencies receiving a portion of the grants are SSWD and the City of Sacramento. RWA is acting as the grant manager including ensuring participants comply with contract terms, prepare quarterly reports and prepare reimbursement invoices. Actual reimbursement for grant expenses (e.g., contractors) are distributed directly to SSWD, then out to participants. The funds collected here are for grant management expenses only, and include some funding for SSWD expenses as incurred (e.g., distributing checks to participants, single audit requirement, etc.). This project was completed in FY17.
- 15 The third of three grants was for the USBR CalFed Retrofit grant. An application for a direct install indoor efficient fixtures was submitted through SSWD to the Calfed Bay-Delta grant program. This award was for \$300,000 and was used to expand the direct install program, which is funded through a Proposition 84 grant from the Department of Water Resources. Many agencies in the region will benefit from this grant award. RWA acted as the grant manager including ensuring participants comply with contract terms, prepare quarterly reports and prepare reimbursement invoices. Actual reimbursement for grant expenses (e.g., contractors) are distributed directly to SSWD, then out to participants. The funds collected here are for grant management expenses only, and include some funding for SSWD expenses as incurred (e.g., distributing checks to participants, single audit requirement, etc.). This project was completed in FY17.
- 16 The American River Basin Study (ARBS) Letter Proposal - This was a fee collected in FY17 to fund development of a proposal to USBR to conduct a detailed analysis of supply and demand under future climate conditions in the American River Basin. Fees were provided by five agencies that will participate in the study - the cities of Folsom, Roseville, and Sacramento, El Dorado County Water Agency, and Placer County Water Agency. The fees were used to fund consultant support to develop the proposal in FY17.
- 17 The RWA Labor Compliance Project (LCP) was developed by RWA to provide recipients of Prop 84 grant funds awarded through the ARB IRWMP with a compliance option if they do not have an existing DIR-approved LCP or do not want to expend the resources to apply to DIR for and to administer their own LCP.
- 18 Not used
- 19 Represents the program to hire a contract water advocate consultant to help with state legislative issues. This program will be moved to RWA core and will use the remaining funds from the Strategic Plan through FY20.
- 20 Anticipated revenues and direct costs for the program from the Water Efficiency (WEP) Program for Category I. WEP budget still under development.
- 21 WEP Category II revenue and expenses are projected for WEP Prop 84 grant and the SRCSD incentives program. The subscription programs are approved as the opportunity or need arises for the program.



- 22 The cost of staffing and office associated with the subscription programs (including WEP) is included to reflect the cashflow effect to the programs. It also represents the amount of money earned by the Core Program for the services they provide. This activity generates cash to the core program by using RWA staff. Effectively, RWA is a consultant to these programs. The WEP budget includes the WEP project manager at 70% and the project assistant at 60% time, for a total of 1.3 FTEs for WEP.
- 23 Net revenues (loss). Any revenues in excess of expenses are typically set aside in designations to be used in future periods. Losses are typically a result of timing differences from funds collected in one fiscal year but spent in the next fiscal year. These "losses" are funded from carryover restricted cash designations from previous years.
- 24 Since subscription programs often collect monies in one fiscal cycle, but may not expend or use the funds until future fiscal cycles, these cash resources are reflected in this section to determine the amount of impact the subscription program has to overall available resources.
- 25 Advance adjustments are timing differences between cashflow effect of advances received or used versus accrual effect as recorded in the audited financial statements. Grant management fees are collected in advance of grant expenses. Because these fees can be returned back to members if not used, the accounting records will only reflect revenue when expenses are incurred, which often result in a zero net income. The remaining unused fees are used in later years which uses the advance balance from the prior year.
- 26 Represents the remaining net cash amounts reserved for subscription programs to fulfill future program obligations.
- 27 Represents the cumulative funds in excess of revenues for the Water Efficiency Program. Starting in FY15, \$5K per year for 10 years is being allocated from WEP Cat 1 to Powerhouse Science Center as one of the funding sources for Water Detective.
- 28 Advances are not considered revenue from an accounting perspective. However, as expenses are incurred for these program, the cash advances are used and affect cash balances. The balances represent remaining unspent cash for each of the programs.



## RWA 2018-2019 Fee Schedule

RWA Annual Dues - Updated Connections

Fee increase:

4.00%

Agency	Type	2017-2018 Annual Dues (A)	Proposed RWA 2018-2019 Annual Dues using updated Connections (B)	Powerhouse Science Center (PSC)
California American Water	Large	\$ 67,811	\$ 70,523	\$ 4,885
Carmichael Water District	Medium	\$ 23,035	\$ 23,721	\$ 1,842
Citrus Heights Water District	Medium	\$ 39,152	\$ 40,401	\$ 3,178
City of Folsom	Medium	\$ 40,460	\$ 42,029	\$ 3,038
City of Lincoln	Medium	\$ 35,427	\$ 37,590	\$ 1,620
City of Roseville	Large	\$ 67,811	\$ 70,523	\$ 4,885
City of Sacramento/Dept. of Utilities	Large	\$ 67,811	\$ 70,523	\$ 4,885
City of West Sacramento	Medium	\$ 29,672	\$ 30,495	\$ 1,908
City of Yuba City	Medium	\$ 36,744	\$ 38,026	\$ 2,824
Del Paso Manor Water District	Small	\$ 5,847	\$ 6,081	\$ 415
El Dorado Irrigation District	Large	\$ 67,811	\$ 70,523	\$ 4,885
Elk Grove Water District	Medium	\$ 24,233	\$ 25,590	\$ 1,754
Fair Oaks Water District	Medium	\$ 27,566	\$ 28,392	\$ 2,190
Golden State Water Company	Medium	\$ 32,958	\$ 34,303	\$ 2,414
Orange Vale Water Company	Small	\$ 8,693	\$ 9,041	\$ 626
Placer County Water Agency	Large	\$ 67,811	\$ 70,523	\$ 4,885
Rancho Murrieta CSD	Small	\$ 8,570	\$ 8,937	\$ 618
Rio Linda/Elverta Water District	Small	\$ 8,693	\$ 9,041	\$ 626
Sacramento County Water Agency	Large	\$ 67,811	\$ 70,523	\$ 4,885
Sacramento Suburban Water District	Large	\$ 67,811	\$ 70,523	\$ 4,885
San Juan Water District (10,687 FY18; 10,667 FY17)	Large	\$ 67,811	\$ 70,523	\$ 1,733
<b>TOTALS</b>		<b>\$ 863,535</b>	<b>\$ 897,834</b>	<b>\$ 58,981</b>

RWA Associate Members	2017-2018 Annual Dues	2018-2019 Annual Dues	PSC
Placer County	\$ 12,900	\$ 13,400	\$ 1,340
El Dorado County Water Agency	\$ 5,200	\$ 5,400	\$ 537
Sacramento Area Flood Control Agency	\$ 7,400	\$ 7,700	\$ 756
Sacramento Municipal Utilities District	\$ 12,900	\$ 13,400	\$ 1,340
SRCSD	\$ 12,900	\$ 13,400	\$ 1,340
<b>ASSOCIATE MEMBER TOTALS</b>	<b>\$ 51,300</b>	<b>\$ 53,300</b>	<b>\$ 5,313</b>

**Notes:**

- (1) Retail connection are used to scale the agency size. Information derived from information received from members.
- (2) All agencies fees for FY 2018 rates represent an increase in total dues from FY2017. When comparing combined fees with water policy subscription fees, any agencies that previously funded this effort will pay less in total for FY18 than FY17.
- (3) Wholesale water suppliers (i.e. San Juan WD) are included in "large" utility group, regardless of the actual number of retail connections, as a more accurate indication of "true" utility size.
- (4) RWA Associates pay an annual fee equal to 0.1% of the entity's annual operating budget, rounded up to the next even thousand dollars.

**Powerhouse Science Center**

- (1) Collect \$60,000 per year for 5 years; (2) SJWD adjusted to retail connections only; (3) \$50,000 Prop 84 grant funding applied; (4) \$5,000 WEP funding over 10 years; (5) \$100,000 contribution from California Water Awareness Campaign (6) FY19 last year to collect Powerhouse program.



# Water Conferences

Dive In



## March

- 3.21 GRA Legislative Symposium | Sacramento, CA
- 3.22 | 3.23 California Water Policy Conference | Davis, CA
- 3.25 | 3.27 WaterReuse Annual Conference | Monterey, CA
- 3.27 | 3.28 AWWA Operator Symposium | Burlingame, CA

## April

- 4.11 CASA Public Policy Forum | Sacramento, CA
- 4.6 North Bay Watershed Association Conf. | Petaluma, CA
- 4.17 | 4.20 CWEA 2018 Annual Conference | Sacramento, CA

## May

- 5.8 | 5.11 ACWA Spring Conference | Sacramento, CA
- 5.9 CVCWA Annual Conference | Sacramento, CA

## June

- 6.1 Orange County Water Summit | Anaheim, CA
- 6.6 | 6.7 GRA GW Sustainability Agency Summit | Sacramento, CA
- 6.9 | 6.12 AWWA National Conference | Denver, CO
- 6.11 | 6.14 AWWA (CA-NV) Annual Conference & Expo | Las Vegas, NV

## July

- 7.9 CA Extreme Precipitation Symposium | Sacramento, CA

## August

- 8.8 CASA Annual Conference | Monterey, CA

## September

- 9.29 | 10.3 WEFTEC | New Orleans, LA
- 9.25 | 9.27 GRA Western Groundwater Congress | Sacramento, CA

## October

- 10.15 | 10.17 CASQA Annual Conference | Riverside, CA
- 10.22 | 10.25 AWWA (CA-NV) Annual Fall Conference | Palm Springs, CA

## November

- 11.27 | 11.30 ACWA Fall Conference | San Diego, CA

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ASSOCIATES



# Key California Water Issues 2018

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Federal Briefing Book

# ABOUT THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

ACWA was formed in 1910 when five irrigation districts came together to address common needs. First known as the Irrigation Districts Association (IDA), members voted in 1973 to rename the organization the Association of California Water Agencies to better reflect its changing role in California water.

ACWA is the largest statewide coalition of public water agencies in the country. A leader on California water issues and a respected voice for its members in both Sacramento and Washington, D.C. ACWA celebrated its centennial anniversary in 2010. For more than a century, the association has been a driving force in California water policy and continues to help shape the laws and regulations that affect the state's water agencies and their customers.

ACWA's 440 public agency members are responsible for 90% of the water delivered to communities, farms and businesses in California. Together, they play an active role in managing the state's water resources and promoting investments in safe drinking water, water use efficiency, water recycling, above- and below-groundwater storage and other strategies to meet California's water needs.

ACWA's mission is to assist its members in promoting the development, management and reasonable beneficial use of good quality water at the lowest practical cost in an environmentally balanced manner.

For additional information please contact the Association of California Water Agencies at 916.441.4545 or visit [www.acwa.com](http://www.acwa.com).

## ACWA ONLINE RESOURCES

### EVENTS CALENDAR

[www.acwa.com/events](http://www.acwa.com/events)

### MEMBER TOOLS

[www.acwa.com/resources/member-tools](http://www.acwa.com/resources/member-tools)

- Priority Issues Bulletin
- ACWA Brand Toolkit
- Federal Regulatory Chart

### NEWSROOM

[www.acwa.com/newsroom](http://www.acwa.com/newsroom)

- News Releases
- Member Submitted News
- Voice on Water (Blog)
- Newsletters (ACWA News)
- Water News (eNews stories)

### OUTREACH PROGRAM

[www.acwa.com/my-acwa/outreach-program](http://www.acwa.com/my-acwa/outreach-program)

### POLICY DOCUMENTS

[www.acwa.com/resources/policy-documents](http://www.acwa.com/resources/policy-documents)

- 21st Century Water Infrastructure
- Water Quality Policy Principles
- Policy Statement on Bay-Delta Flow Requirements

### POLICY PRIORITIES & LEGISLATIVE POSITIONS

[www.acwa.com/about/policy-agenda/](http://www.acwa.com/about/policy-agenda/)

### SAVE OUR WATER CAMPAIGN

[www.saveourwater.com](http://www.saveourwater.com)

*Note: Some resources are protected for ACWA member access only.*

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# CALIFORNIA WATER CONDITIONS

Citing record rainfall this winter and unprecedented levels of water conservation, in April 2017, Gov. Jerry Brown lifted the drought emergency in all California except four counties. The significant snow and rainfall that occurred in late 2016/early 2017 helped reservoir levels recover to the point many shifted to flood-control operations.

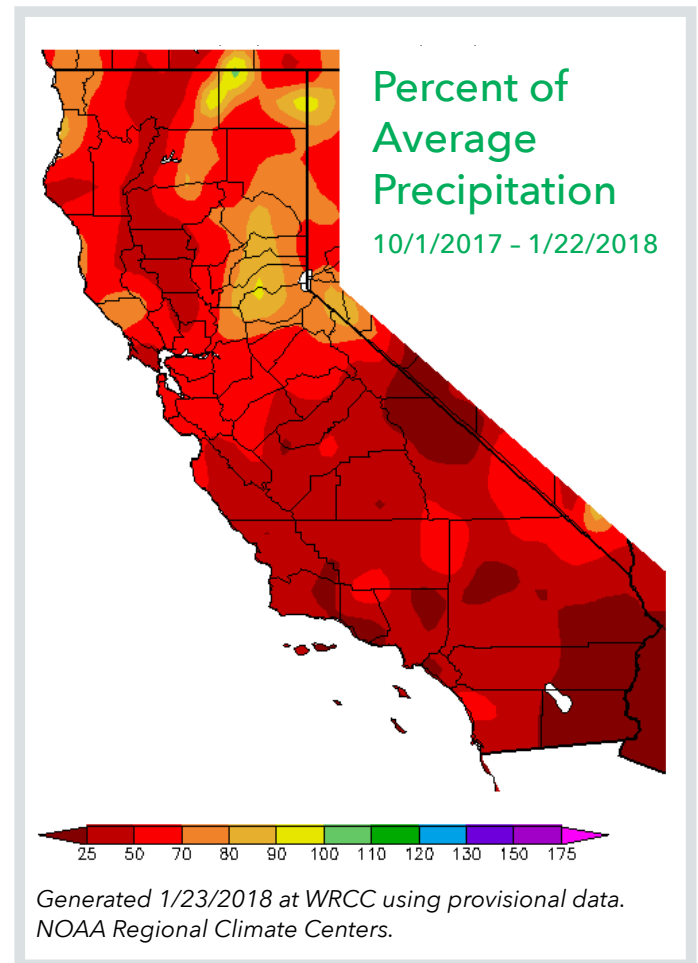
However, following a dry December 2017, the Department of Water Resources (DWR) found little snowpack in the Sierra Nevada Mountains during its first manual snow survey of the year. A moderate January provided slightly better results for the Feb. 1 snow survey, but overall conditions remained below average.

DWR's electronic measurement reading on Feb. 1 from 103 stations scattered throughout the Sierra Nevada indicated the snow water equivalent (SWE) of the northern Sierra snowpack was 4.6 inches, 27% of the multi-decade average for the date. The central and southern Sierra readings were 5.8 inches (30% of average) and 3.8 inches (25% of average), respectively. Statewide, the snowpack's SWE is 4.9 inches, or 27% of average for Feb. 1.

On average, the snowpack supplies about 30% of California's water needs as it melts in the spring and early summer. The greater the snowpack water content, the greater the likelihood California's reservoirs will receive ample runoff as the snowpack melts to meet the state's water demand in the summer and fall.

Regardless, the state's major reservoirs continue to be well above their historical averages thanks to the record-wet 2017 and the rainy season offers more time to see significant improvements.

As of Feb. 1, Lake Shasta, the state's largest reservoir, was at 72% of capacity (109% of historical average). Trinity Lake was at 72% of capacity (103% of historical average). The primary exception is Lake Oroville, the state's second



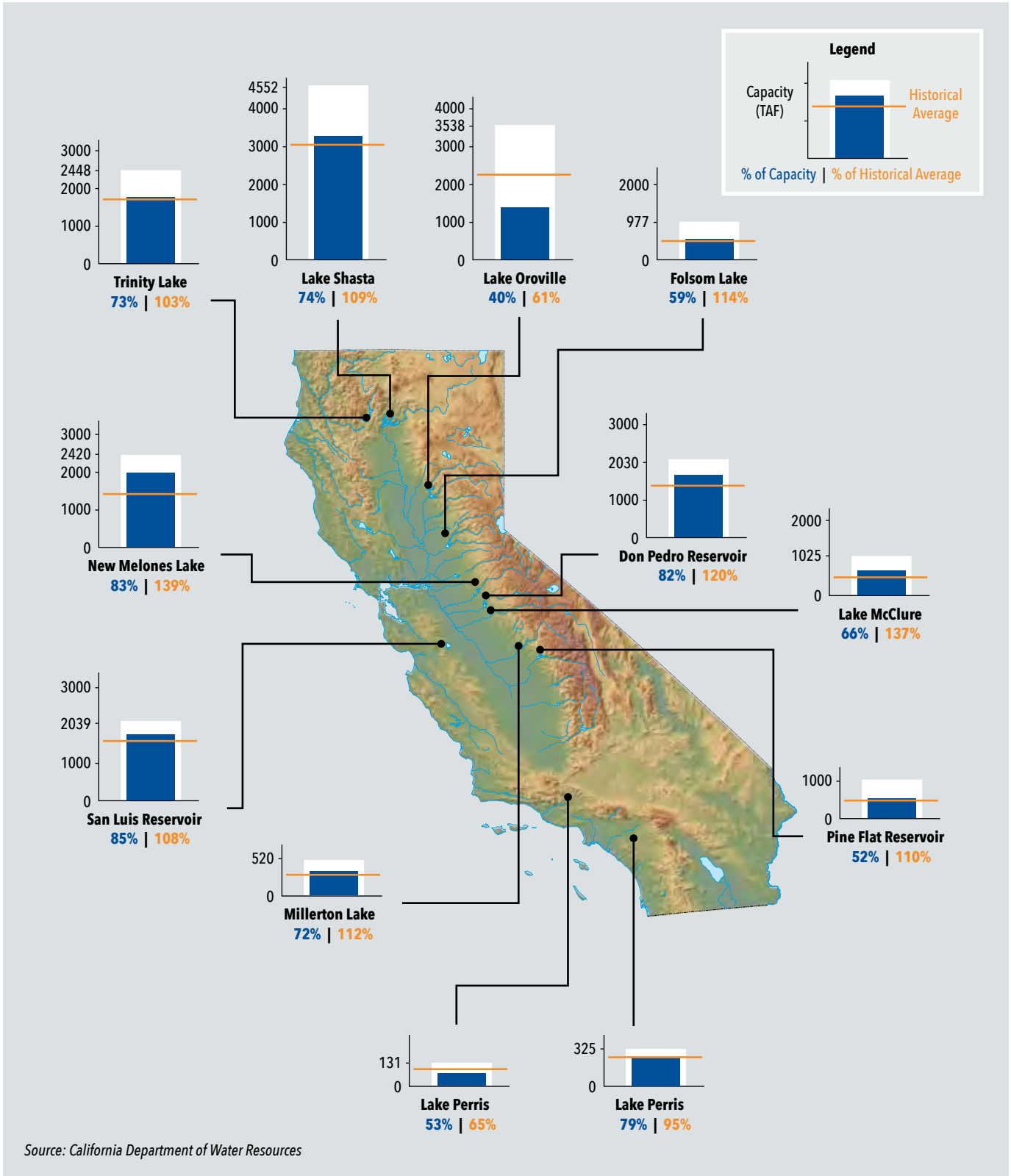
largest reservoir, which is being purposely held at lower than average levels as a safety precaution.

On Jan. 29, DWR announced a statewide increase in water allocations for State Water Project contractors from the original 15% allocation to 20% allocation.



# Current Reservoir Conditions

As of February 1, 2018



# COMPREHENSIVE WATER SOLUTIONS

## Key Messages

### Brown Administration's California Water Action Plan

- The *California Water Action Plan* presents a comprehensive approach to water. Such a comprehensive approach, as opposed to a singular focus on one particular action, is the way to way to achieve the coequal goals of improved water supply reliability and enhanced ecosystem health. ACWA is actively engaged in implementation of the plan - including in the areas of water conservation and drought preparedness, the coequal goals for the Delta, groundwater, storage, safe drinking water and financing. ACWA's goal is to ensure that implementation of the *California Water Action Plan* will be both effective and reasonable.

### Water Bonds

- Two measures that would authorize general obligation bonds for water-related projects are expected to go before the California voters in 2018. The first measure, which has qualified to be on the June 2018 ballot as a result of the enactment of SB 5 (de León), is entitled the "California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018" (June Bond). The second measure, which is expected to qualify for the November 2018 ballot, is entitled the "State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018" (November Bond). The June Bond would authorize \$4.1 billion for park and water-related projects. The November Bond would authorize \$8.9 billion for water-related projects. ACWA supports both of the bonds and views them as complementary.

### Water Infrastructure Improvements for the Nation Act (WIIN) Implementation

- Helping restore a vibrant state federal partnership on water issues is a top ACWA priority. ACWA believes WIIN brings us to the middle ground in water policy where our water system can work for fish and the environment, as well as for our agricultural economy and the people of California.
- The passage of WIIN authorized numerous projects to help water management in California. Continued funding by Congress is essential for these programs and projects. ACWA requests at least \$10 million for the WINN recycling program, \$6 million for the Desalination grant program, \$67 million for the water storage program and \$15 million for the Operational Review and Science program per fiscal year.
- ACWA looks forward to working with Congress, the Army Corps of Engineers, and the Department of Interior (DOI) on implementation of WIIN.

### Headwaters

- ACWA supports both a comprehensive fire funding fix and forest management changes to increase the pace and scale of forest restoration. To help accomplish these two goals, ACWA supports HR 2862/ S 1842, the "Wildfire Disaster Funding Act" and HR 2939, the "Resilient Federal Forest Act". HR 2862/ S 1842 would prevent "fire borrowing" or the shifting of funds from other accounts, including those that pay for other fire prevention and forest health, to wildfire suppression. HR 2939 would improve the management of our Nation's

forests and help prevent catastrophic wildfires that are so damaging to California's water quality.

- ACWA recommends expanding funding for Forest Service restoration activities within the Pacific Southwest Region. Eligible categories should include: long-term monitoring of post-fire recovery efforts, landscape-scale adaptive research programs, decommissioning or improved maintenance of roads and other sediment producing areas, wildfire prevention activities such as forest thinning and watershed restoration, overall water resources monitoring, and biomass management and removal.
- Federal agencies should partner with the California Natural Resources Agency and other appropriate land managers to complete compatible management strategies.

### **Endangered Species Act**

- ACWA supports President Trump's effort to rescind the 2016 mitigation policies and urges DOI to revoke these documents rather than revise them. These policies exceed the statutory authority of the ESA. The imposition of a net gain or no net loss standard, landscape scale mitigation requirements, and other measures are inconsistent with the established ESA framework.

- ACWA supports targeted ESA reform legislation that requires state and federal agencies to adopt a comprehensive approach in development of habitat conservation plans and other voluntary conservation agreements, rather than perpetuating too simplistic single species efforts.
- ACWA supports integrating ESA permitting requirements with other federal and state environmental mandates, including National Environmental Policy Act documentation of environmental impacts and Clean Water Act section 404 permits.
- ACWA believes moving the National Marine Fisheries Service ESA division into the Department of Interior's Fish and Wildlife Service would improve fish agency coordination. ACWA urges Congress to pass HR 3916, the "Federally Integrated Species Health (FISH) Act," this Congress.

## Brown Administration's *California Water Action Plan*

### Background

California's complex water management system is facing unprecedented challenges. There is no one silver bullet for addressing these challenges. The key to a sustainable water future is the implementation of a broad set of strategies for addressing overall water supply reliability and ecosystem health in California. The Brown Administration's *California Water Action Plan* (the Plan) presents the water challenges that California faces and the actions that the Brown Administration plans on taking in the following areas:

- Water Conservation
- Integrated Water Management
- Coequal Goals for the Delta
- Ecosystem Protection and Restoration
- Drought Management and Preparation
- Storage and Groundwater Management
- Safe Drinking Water for All Communities
- Flood Protection
- Operational and Regulatory Efficiency
- Sustainable Financing

### ACWA's Position

The *California Water Action Plan* presents a comprehensive approach to water. Such a comprehensive approach, as opposed to a singular focus on one particular action, is the way to achieve the coequal goals of improved water supply reliability and enhanced ecosystem health.

ACWA actively provided input into the original version of the Plan in 2013 and continues to work with the Brown Administration on implementation. For example, in 2014, ACWA worked with the Administration on the writing of the 2014 Water Bond (Proposition 1) and the Sustainable Groundwater Management Act (SGMA). In 2015 and 2016, ACWA actively worked on many topics, including the development of the SGMA implementing regulations, the California Water Commission's (CWC's) development of the Water Bond regulations for the Proposition 1 storage funding, and the development of emergency urban conservation regulations. In 2017, ACWA completed a study on storage integration which is informing the CWC's allocation of the storage funding. In 2018, ACWA's work on implementation is continuing - with focus on water conservation (both agricultural and urban), the coequal goals for the Delta, storage and groundwater, safe drinking water for all communities and financing. ACWA's goal is to ensure that implementation of the California Water Action Plan will be both effective and reasonable.

## Water Bonds

### Background

Two measures that would authorize general obligation bonds for water-related projects likely will go before the voters in 2018. The first measure, which has qualified to be on the June 2018 ballot as a result of the enactment of SB 5 (de León), is entitled the “California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018” (June Bond). The second measure, which is expected to qualify for the November 2018 ballot, is entitled the “State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018” (November Bond). The June Bond would authorize \$4.1 billion for park and water-related projects. The November Bond would authorize \$8.9 billion for water-related projects.

### Position

In November of 2017, the ACWA Board of Directors took “Support” positions on both the June Bond and the November Bond. ACWA participated in the development of both bonds and sees the two measures as complementary. The measures are consistent with using a comprehensive approach to water solutions. For example, both measures, if approved by the voters, will assist implementation of the Sustainable Groundwater Management Act and will fund safe drinking water projects with that drinking water funding prioritized for disadvantaged communities. Both measures also include funding for forest management – an issue that is important to the water community given the impact of wildfires on the water supply.



# The Water Infrastructure Improvements for the Nation Act Implementation

## Background

Passage of the Water Infrastructure Improvements for the Nation Act (WIIN) last Congress was a landmark moment in California water. WIIN provides California water managers a diverse package of tools to meet our state's water needs while protecting the environment. The law allows California water managers to work collaboratively with federal agencies to improve drought preparedness and create flexibility to meet our needs during dry and wet years. Californians deserve a full-functioning water system that protects and enhances the environment and ensures water reliability for its citizens. WIIN moves us toward that.

## Position

Helping restore a vibrant state federal partnership on water issues is a top ACWA priority. ACWA believes WIIN brings us to the middle ground in

water policy where our water system can work for fish and the environment, as well as for our agricultural economy and the people of California. In other words, it meets California's coequal goals of enhancing ecosystem health and water supply. It also dovetails with the Brown Administration's California Water Action Plan, which is the state's guidepost for securing our state's water future.

The passage of WIIN authorized numerous projects to help water management in California. Continued funding by Congress is essential for these programs and projects. ACWA requests at least \$10 million for the WINN recycling program, \$6 million for the desalination grant program, \$67 million for the water storage program and \$15 million for the Operational Review and Science Program per year.

ACWA looks forward to working with Congress, the Army Corps of Engineers, and the Department of Interior on implementation of WIIN.

## Headwaters Management

### Background

California's headwaters serve a critical role in a resilient water management system. The forests, meadows and river sources are the state's natural water infrastructure, working in tandem with the engineered elements as an integrated system to provide high-quality water supplies for water users and the environment. Unfortunately, management policies and practices for California's headwaters, particularly as they relate to water quality and supply, have become cumbersome and are increasingly ineffective. These policies are often disconnected from the resources they are designed to protect.

ACWA's Policy Principles for the Improved Management of California's Headwaters reflect the pressing need for action to address this intensifying and important resource management issue. ACWA's Headwaters Framework outlines the benefits of healthy headwaters and presents a number of legislative and policy recommendations.

ACWA is a member of the California Forest Watershed Alliance (CAFWA), a unique alliance of diverse interests, including organizations that represent water, environmental, local government, timber, and agricultural interests. CAFWA is dedicated to finding a solution to California's ever-growing forest health and fire risk issues.

### ACWA Position

ACWA supports both a comprehensive fire funding fix and forest management changes to increase the pace and scale of forest restoration. To help accomplish these two goals, ACWA supports HR 2862/ S 1842, the "Wildfire Disaster Funding Act" and HR 2939, the "Resilient Federal Forest Act". HR 2862/ S 1842 would prevent "fire

borrowing" or the shifting of funds from other accounts, including those that pay for other fire prevention and forest health activities at the Departments of Interior and the Department of Agriculture, to wildfire suppression budgets. HR 2939 would improve the management of our Nation's forests and help prevent catastrophic wildfires that are so damaging to California's water quality. ACWA encourages Congress to ensure federal agencies have sufficient funding to fight fires and implement fire prevention programs.

Funding should also be significantly expanded for Forest Service restoration activities within the Pacific Southwest Region. Eligible categories should include: long-term monitoring of post-fire recovery efforts, landscape-scale adaptive research programs, decommissioning or improved maintenance of roads and other sediment producing areas, wildfire prevention activities such as forest thinning and watershed restoration, overall water resources monitoring, and biomass management and removal.

Further, federal agencies should partner with the California Natural Resources Agency and other appropriate land managers to complete compatible management strategies, including protocols that will reduce conflicts related to jurisdictional boundaries and overlap, develop common terms and references when pursuing similar actions and adopt a wildfire classification definition that focuses on the nexus of wildfires and the resulting adverse impacts to water quality, water supply and reliability.

ACWA is now turning attention, in collaboration with CAFWA and Sierra Nevada Conservancy, on ways to address current barriers to forest thinning projects posed by air quality regulations and biomass processing constraints.

## Endangered Species Act

### Background

ACWA's Endangered Species Act (ESA) Policy Principles outline an effective approach to ESA implementation that incorporates the coequal goals of water supply reliability and ecosystem enhancement that are foundational to California law. Without a fundamental change in implementation strategy, it will remain effectively impossible to satisfy demands required by the ESA while still meeting the needs of California families, farms, businesses and communities.

In 2016, the Department of Interior (DOI) developed two mitigation policies that together establish a framework for the U.S. Fish and Wildlife Service (FWS) to recommend or require landscape scale mitigation to achieve a net conservation gain, or no net loss. In March 2017, President Trump directed DOI to evaluate whether these policies should be suspended, revised, or modified. On Nov. 6, 2017, FWS requested public comment on portions of these policies and, specifically, on whether it should retain or remove the goal of net conservation gain.

### ACWA's Position

ACWA supports President Trump's effort to rescind the 2016 mitigation policies and urges DOI to revoke these documents rather than revise them. These policies exceed the statutory authority of the ESA. For example, the imposition of a net gain or no net loss standard is inconsistent with the established ESA framework. Additionally, other central components of these policies, such as landscape-scale mitigation, avoidance

of all impacts to certain habitats, and advance compensatory mitigation, are incompatible with an efficient regulatory review process.

ACWA supports targeted ESA reform legislation that requires state and federal agencies to adopt a comprehensive approach in development of habitat conservation plans and other voluntary conservation agreements, rather than perpetuating too simplistic single species efforts. ACWA also supports integrating ESA permitting requirements with other federal and state environmental mandates, including National Environmental Policy Act documentation of environmental impacts and Clean Water Act, section 404 permits.

Legislation ACWA supports this Congress includes: HR 1273/S 376, the "21st Century Endangered Species Transparency Act," requiring publication on the internet of all data that used to determine if a species are endangered or threatened; HR 1274/S 735, the "State, Tribal, and Local Species Transparency and Recovery Act," requiring disclosure to states all data that is used to form the bases of ESA determinations; and HR 3131, the "Endangered Species Litigation Reasonableness Act," to conform court costs awarded in citizen suites under ESA to existing judicial standards.

Additionally, ACWA believes moving the National Marine Fisheries Service ESA division into the Department of Interior's Fish and Wildlife Service would improve fish agency coordination. ACWA urges Congress to pass HR 3916, the "Federally Integrated Species Health (FISH) Act," this Congress.

# WATER SUPPLY

## Key Messages

### Bureau of Reclamation and U.S. Geological Survey Funding

- ACWA requests at least \$1.6 billion for Reclamation's Water and Related Resources budget to help address Western water infrastructure needs including \$40 million for CALFED and at least \$60 million for water recycling each fiscal year.
- ACWA supports alternative financing mechanisms for Bureau of Reclamation projects including HR 434, "The New Water Act" and recommends new financing programs be included in the infrastructure bill being developed.
- ACWA urges Congress to increase funding for streamgages. These gages provide valuable information to help manage our nation's water resources and the \$72 million in FY '17 was insufficient to meet demand.
- ACWA requests at least \$60 million of USGS's cooperative matching funds to help USGS partner with state and local governments to conduct research projects. In allocating this money to the states, ACWA recommends USGS consider the contribution and participation of local partners as well as the length of the project backlog.

### Storage

- ACWA believes additional water storage projects are essential to help water agencies to achieve the coequal goals of water supply reliability and ecosystem health. ACWA is continuing to advocate for reasonable implementation of the state's Proposition 1 Water Storage Investment Program by the California Water Commission to award \$2.7

billion toward public benefits of storage in 2018.

- ACWA looks forward to working with the Bureau of Reclamation and Congress to ensure expedited implementation of the storage provisions in the recently enacted Water Infrastructure Improvements for the Nation Act (WIIN).

### Water Recycling and Desalination

- ACWA embraces water recycling as a significant component of Reclamation's mission and recommends \$50 million in funding for the Title XVI program and at least \$10 million for the water recycling grant program created in WIIN section 4009(c) each fiscal year.
- ACWA requests Congress lift the \$50 million funding cap on the WIIN 4009(c) water recycling program and extend its authorization beyond five years.
- ACWA believes that if old Title XVI projects are deauthorized, the funds should be re-directed to new water recycling projects and not used to fund other activities at the Bureau of Reclamation.
- ACWA sees desalination as one of many strategies that can play a role in boosting California's water supply reliability. ACWA urges Congress to fully fund the \$30 million authorized for desalination projects in WIIN.
- ACWA supports alternative financing mechanisms for Bureau of Reclamation projects including HR 434, the "New Water Act" and recommends new financing programs be included in the infrastructure bill being developed.

## Colorado River

- ACWA supports funding the Colorado River Basin Salinity Control Forum, the WaterSMART program, and the Department of Energy cleanup programs that help remove uranium, perchlorate and Chromium 6 from the Colorado River.
- ACWA supports robust funding of Bureau of Reclamation and Corps of Engineers programs to assist in restoration projects at the Salton Sea.

## Farm Bill

- ACWA supports the Farm Bill conservation programs and believes funding for these programs should be maintained to ensure that on-farm and on-ranch operational, resource conservation, local economic, and rural sustainability goals are met.
- ACWA, in conjunction with the California Forest Watershed Alliance, recommends the next Farm Bill maintain mandatory funding and acreage enrollment levels for key conservation programs that support forests such as Environmental Quality Incentives Program and Regional Conservation Partnership Program; enhance stewardship contracting authority to 20 years; allow the President to declare an emergency based on an insect and disease epidemic; and maintain funding levels for the Biomass Crop Assistance Program.



## Bureau of Reclamation and U.S. Geological Survey Funding

### Background

The Bureau of Reclamation and U.S. Geological Survey are federal agencies located in the Department of Interior. Both agencies provide critical services to help manage and deliver water in the western United States.

The Bureau of Reclamation operates 180 water projects in the Western United States that provide agricultural, household, and industrial water to about one-third of the population of the American West. These water projects were primarily built in the early 1900s and are aging. Currently, over half of Reclamation's budget is consumed by the operation and maintenance of these facilities. As a result, the agency has few resources to devote to the new challenges facing Western water managers.

USGS provides scientific data to better understand water challenges and maintains a network of streamgages that measure the amount of water flowing in our Nation's rivers and streams. Water managers use streamgage data for a variety of purposes including monitoring water quality, administering water rights, and forecasting drought conditions. In California, USGS operates nearly 500 streamgage sites, many of which are in danger of closing. USGS is supposed to maintain a "backbone" of core streamgages that are critical to national, regional, and local needs. Unfortunately, funding for all the needed streamgages has never been fully appropriated, and water managers do not have the tools they need to properly monitor our Nation's water resources.

USGS's cooperative matching fund (formally the cooperative water program) is a partnership between USGS and local project sponsors. Project sponsors utilize this fund to partner with USGS on research to improve our understanding of water resources. Current projects in California funded using the cooperative arrangement include the development of a hydrodynamic model of the

Delta, an examination of chloride concentrations in eastern San Joaquin County groundwater, and a geological and hydraulic study of the San Diego area. Historically, cooperative projects were funded by a 50/50 costs share with local partners. The fund's budget, however, has not kept pace with increasing stakeholder needs, and nationally the federal/local split is now 30/70.

### ACWA's Position

ACWA requests at least \$1.5 billion for Reclamation's Water and Related Resources budget to help address Western water infrastructure needs including \$40 million for CALFED and at least \$60 million for water recycling projects each fiscal year.

The old paradigm of infrastructure funding is changing, however, innovative financing mechanisms do not currently exist for Reclamation infrastructure. ACWA supports alternative financing mechanisms for Bureau of Reclamation projects including HR 434, the "New Water Act" and recommends new financing programs be included in the infrastructure bill being developed.

ACWA urges Congress to increase funding for streamgages. These gages provide valuable information to help manage our nation's water resources, and the \$72 million in FY '17 was insufficient to meet demand. The 2017 omnibus funded the cooperative matching fund at a level of \$60 million and should be protected from future cuts. In allocating this money to the states, ACWA recommends USGS consider the contribution and participation of local partners as well as the length of the project backlog.

## Water Storage

### Background

In 2015, ACWA released the “21st Century Water Storage: Recommendations for California’s Future,” a policy paper that provides key recommendations for the California Water Commission (CWC) as it administers the Water Storage Investment Program (WSIP), the process overseeing the CWC’s allocation of the \$2.7 billion in Chapter 8 of Proposition 1 to help fund water storage projects. The CWC is currently evaluating 11 projects which have been deemed eligible for WSIP funding.

The recently passed Water Infrastructure Improvements for the Nation (WIIN) Act contains important water storage measures. ACWA believes timely implementation of these measures can serve as an important water management tool in California.

### ACWA’s Position

ACWA believes the California delegation should encourage expedited implementation of the WIIN Act storage provisions. WIIN authorizes \$335 million in funding for storage and groundwater projects. It also addresses coordinated implementation with the state water bond to allow federal funding to go to qualified, environmentally-mitigated and cost-beneficial projects such as desalination, recycling, groundwater and storage projects on the same timeframe as projects funded under the state water bond.

ACWA is continuing to advocate with the CWC for a technically sound and reasonable WSIP project evaluation process, resulting in selection of projects with demonstrated public benefits and grant awards later in 2018.

ACWA’s vision for the future of integrated water storage calls for revitalized water management systems across the state, with additional water storage enabling more effective implementation of an “all-of-the-above” portfolio of strategies to achieve the coequal goals of water supply reliability and enhanced ecosystem health. These systems should include additional surface and groundwater storage assets designed and operated as elements of integrated statewide and regional water management systems. Surface and groundwater facilities should work in concert to provide the resilience needed to compensate for increasing climate variability and the expected reduction of the state’s historic snowpack, and to improve flood management, support groundwater sustainability, provide for healthy urban and agricultural economies, and meet the needs of a growing population. The development of comprehensive water solutions requires investment in surface and groundwater storage projects in all areas of the state, contributing a variety of functions that allow for enhanced integrated water management opportunities.

ACWA has released a Water Storage Integration Study to help define and quantify benefits of integrating existing and planned surface and groundwater storage projects at a statewide scale, to meet California’s water supply needs and priorities. A detailed, graphics-rich briefing paper titled “21st Century Water Infrastructure: New Approaches to Create Flexibility and Resiliency” is also available to help describe the scope of this study and its key conclusions.

## Water Recycling and Desalination

### Background

In 1992, Congress created the Title XVI program establishing water recycling as an ongoing part of the Bureau of Reclamation's mission. This highly leveraged program provides one federal dollar for every three local dollars invested in water recycling projects. Under Title XVI, individual water recycling projects must be authorized by Congress, and the federal cost share is capped at \$20 million or 25% of the projects costs, whichever is less. For a variety of reasons, Congress has not authorized any new Title XVI projects since 2009.

Despite limited federal support, water agency's interest and demand for water recycling projects continues to grow. The recently enacted Water Infrastructure Improvements for the Nation (WIIN) Act modified the Title XVI program to eliminate the need for projects to be individually authorized by Congress. This change revitalized the program and applicants from all over the country applied for funding in 2017. Three water projects in California were selected to receive \$10 million in funding under this new program. Now Congress needs to approve this award.

Thanks to recent advances in technology, turning ocean water into drinking water is not as energy-intensive as it was a decade ago. WIIN also revived federal support for desalination. The legislation reauthorizes the Water Desalination Act of 1996 and authorizes \$30 million for design and construction of new desalination facilities.

### ACWA's Position

ACWA embraces water recycling and believes it is a significant component of Reclamation's mission. ACWA recommends providing at least \$50 million per year in funding for the Title XVI program and at least \$10 million per year for the new water recycling grant program created in WIIN section 4009(c). ACWA encourages Congress to approve the three projects selected by Reclamation to receive funding under the competitive WIIN grant program in 2017. Additionally, ACWA requests Congress lift the \$50 million funding cap on the WIIN grant program and extend its authorization beyond five years. ACWA believes that if old Title XVI projects are deauthorized, the funds should be re-directed to new water recycling projects and not used to fund other Reclamation programs.

ACWA sees desalination as one of many strategies that can play a role in boosting California's water supply reliability. ACWA urges Congress to fully fund the \$30 million authorized for desalination projects in WIIN.

ACWA supports alternative financing mechanisms for water recycling projects including the Reclamation Infrastructure Financing and Innovation Authority. ACWA thanks Congress for funding the Water Infrastructure Financing and Innovation Authority for the first time in FY 2017 and appreciates that EPA intends to use the program to help fund water recycling projects.

## Colorado River

### Background

The Colorado River is an important water source for California. It provides approximately 25% of the water supply for over 19 million people in Southern California, irrigates over 800,000 acres of land, and supplies renewable energy from hydropower generation for rural and urban communities within Southern California. California has the right to utilize a basic apportionment of 4.4 million acre-feet of Colorado River water per year and any surplus that the other lower Basin States do not use. Since 2003 California has cut back its use from 5.2 million acre-feet to its basic apportionment of 4.4 million acre-feet of water per year.

California has a long history of successful water management and cooperation with other Colorado River Basin States. California has undertaken programs within the Colorado River Basin to encourage water conservation, maximize water recycling and reuse, develop additional storage and reduce its overall demand. California's efforts have helped conserve approximately 1 million acre-feet of water over the past 10 years. California has also participated with other Colorado River Basin States in programs to improve the water quality of the Colorado River. Additionally, California cooperated with the other Basin States, the U.S. and Mexico on actions such as Minute 319 to the 1944 Treaty Concerning the Utilization of Waters of the Colorado River.

The Colorado River Basin has been experiencing a serious drought for more than 15 years and California has continued to work with the other Basin States on additional measures to protect reservoir elevation levels and otherwise prepare for the possibility of a continued drought. California will continue to contribute to programs that encourage additional conservation, maximize system efficiency and develop new sources of water for the benefit of the Colorado River system.

The Salton Sea was formed in 1905 when a levee break along the Colorado River caused flows from the Colorado River to enter the basin for about 18 months. Since its formation, the Sea has been sustained predominantly by drainage flows from the nearly 600,000 acres of irrigated farmland in the Coachella and Imperial Valleys. The Sea also receives agricultural drainage, urban runoff, and wastewater flows from the Mexicali Valley and water from storm run-off. The Salton Sea Authority is currently developing an adaptive roadmap to reach a comprehensive solution to the Salton Sea's numerous environmental concerns. The Salton Sea Restoration & Renewable Energy Initiative will leverage funds generated by new renewable energy projects located at the Sea to help finance activities for air quality management and habitat restoration.

### ACWA's Position

Congressional funding for programs such as the WaterSMART program, the Colorado River Basin Salinity Control Forum and the Department of Energy cleanup programs that help remove uranium, perchlorate and Chromium 6 from water supplies, should be increased.

Efforts amongst federal, state, local officials and stakeholders, in conjunction with the Salton Sea Authority should continue to reach a comprehensive solution to the Salton Sea's numerous environmental challenges. ACWA supports robust funding of Bureau of Reclamation and Corps of Engineers programs to assist in restoration projects at the Salton Sea.

## Farm Bill

### Background

California grows crops that feed, clothe and power the world. Agriculture in California is a \$45.3 billion annual industry that generates nearly 13% of the total U.S. agricultural revenue. ACWA was founded by agricultural irrigation districts in 1910 and many of our members are acutely affected by the farm bill's provisions. In an era of tightening water supplies and growing population, ACWA works to advance the goals of both agricultural and urban water users.

The Conservation Title of the Farm Bill, Title II, provides farmers and ranchers with resources to conserve water, improve water quality, and enhance wildlife on agricultural land. Agriculture uses approximately 40% of the state's developed water supply, and farm bill conservation programs help enhance water quality and improve water use efficiency.

Congress passed a Farm Bill in 2014 that set farm policy and federal funding levels for the next five years. That Farm Bill continued funding for specialty crop block grants, maintained a robust Environmental Quality Incentives Program (EQIP), and created the Regional Conservation Partnership Program (RCPP), which allows water agencies and irrigation districts to partner with landowners to conduct regional projects to improve water quality and conserve water. Congress is expected to begin work on the next Farm Bill during the first half of 2018.

### ACWA's Position

ACWA supports the Farm Bill conservation programs and believes funding for these programs should be maintained to ensure that on-farm and on-ranch operational, resource conservation, local economic, and rural sustainability goals are met.

ACWA, along with our coalition partners in the California Forest Watershed Alliance, endorsed a series of recommendations to be included in the next Farm Bill. Specific recommendations include: address the issue of fire borrowing in which funds from the non-fire suppression accounts are used for suppression activities; maintain mandatory funding and acreage enrollment levels for key conservation programs that support forests such as EQIP and RCPP; enhance stewardship contracting authority to 20 years; allow the President to declare an emergency based on an insect and disease epidemic; and maintain funding levels for the Biomass Crop Assistance Program.



# WATER INFRASTRUCTURE

## Key Messages

### Financing Water Infrastructure

- ACWA supports EPA's State Revolving Fund program. President Trump's infrastructure plan developed during the campaign called for tripling SRF funding, and ACWA encourages Congress to enact this pledge.
- ACWA supports the Water Infrastructure Finance and Innovation Authority (WIFIA), appreciates Congress funding this program for the first time in FY 2017, and encourages Congress to provide even more funds this year.
- No single solution can address the full range of water and wastewater infrastructure challenges. ACWA recommends a variety of financing tools be made available for these projects. ACWA supports raising the cap on private activity bonds, extending authority for Build America Bonds, and creating public private partnerships to help finance water infrastructure projects.

### Clean Water Act

- ACWA requests that National Pollutant Discharge Elimination System permit terms be extended from five to ten years, while retaining existing EPA and delegated state authority to reopen permit terms based on current law.
- The 2015 rule defined "tributary" so broadly that canals, aqueducts, and ditches would become "waters of the United States" (WOTUS). ACWA opposes this definition of "tributary" and believes it is not in keeping with the text of the CWA or its implementing regulations. Water conveyance systems are not WOTUS and the new rule being developed should clearly state this.

- ACWA opposes the expanded definition of "adjacent" in the 2015 Rule because it adversely impacts water agency operations. The 2015 Rule changed the phrase "adjacent wetlands" to "adjacent waters." In California, recycled water ponds and other operational facilities are located adjacent to WOTUS. If the phrase is changed, these facilities would be required to obtain multiple new permits. Consistent with the CWA and Justice Scalia's opinion in Rapanos, adjacent water facilities are not WOTUS and the new rule being developed should make this clear.

### Army Corps of Engineers and Water Resources Development Act

- The 2016 Water Infrastructure Improvements for the Nation Act (WIIN) authorized numerous projects to help water management in California. It is now incumbent upon Congress to provide funding for these programs and projects. House and Senate appropriators should take seriously the authorizing language in WIIN.
- In 2014 both EPA and the Army Corps of Engineers (Corps) were directed to develop a WIFIA program. EPA has moved forward with its program and announced its first loan recipients. The Corps has yet to establish or implement the program. ACWA urges the Corps and Congress work together to establish a WIFIA program for Corps projects.
- ACWA appreciates Congress' focus on returning to two-year authorization schedule for WRDA bills and looks forward to working with Congress as WRDA 2018 is developed.

## Safe Drinking Water

- ACWA supports the development of drinking water standards that are health-protective. ACWA believes that all regulatory decisions affecting drinking water must be made through the process established by the Safe Drinking Water Act.
- ACWA supports HR 3387, the Drinking Water System Improvement Act of 2017, and urges its passage. In addition to authorizing \$8 billion over five years for the drinking water SRF, this bill authorizes additional funding to help disadvantage communities comply with drinking water standards.

## Water/Energy Conservation

- ACWA supports the “Water Conservation Tax Parity Act,” S 1464/HR 448 and urges its passage this Congress. This bipartisan bill would provide equal tax treatment for water and energy conservation measures.
- ACWA supports EPA’s WaterSense program and encourages Congress to officially authorize the program in a manner that protects water quality.

## Financing Water Infrastructure

### Background

Problems associated with aging water infrastructure are mounting and becoming increasingly expensive to fix. Nationwide the need for investment in water and wastewater infrastructure outpaces available funding. An EPA study found that without increased investment, over the next 20 years, a staggering \$600 billion gap will develop between available funds and actual need.

Most federal funding for water infrastructure projects flows through EPA's Clean Water and Safe Drinking Water State Revolving Funds (SRF). Each state awards these funds as grants to small systems and disadvantaged communities and low interest loans for other projects. Even with record funding levels in recent years, the SRF project backlog persists. To help address this backlog, President Trump pledged during his campaign to "triple funding for state revolving loan fund programs".

The Water Infrastructure Finance and Innovation Authority (WIFIA) is a new source of funding administered by EPA. It can be used to finance water infrastructure projects that cost at least \$20 million for large communities and \$5 million for small communities. Congress first appropriated \$20 million in funding for this program in 2017 and this money is being leveraged to provide \$2.3 billion worth of loans for 12 projects, including four in California.

### ACWA's Position

ACWA strongly supports the SRF program and appreciates Congress statement of support for robust funding of the program in the Water Infrastructure Improvements for the Nation bill passed in 2016. As Congress develops an infrastructure funding bill, ACWA hopes the pledge to triple SRF funding is enacted.

ACWA also supports WIFIA and appreciates Congress funding the program for the first time in FY 2017. ACWA believes WIFIA complements the SRF program and encourages Congress to increase funding for WIFIA this year. WIFIA should also be included in the infrastructure bill being developed to enable even more large water infrastructure projects to move forward. ACWA supports HR 4492, the "Water Infrastructure Finance and Innovation Reauthorization Act," and urges its passages this Congress.

ACWA recognizes that no single solution addresses the full range of water and wastewater infrastructure challenges and recommends a variety of financing tools be made available for these projects. To help water agencies finance projects, ACWA supports extending the authority for Build America Bonds, raising the cap on private activity bonds, and expanding opportunities for public-private partnerships. The problems facing each community, whether served by public utilities or investor-owned systems, are not the same. All levels of government and the private sector must work together to find solutions.

## The Clean Water Act

### Background

The Clean Water Act (CWA) establishes a basic structure for regulating discharges of pollutants into water and setting water quality standards. ACWA recognizes the important water quality improvements brought about by passage and implementation of the CWA, and watershed protection is important to our members. ACWA has a history of encouraging EPA and the Army Corps of Engineers to use their existing authorities to prevent pollutants from entering California's drinking water supply.

The CWA requires publicly owned treatment works to secure new National Pollution Discharge Elimination System (NPDES) permits every five years. More than 40 years after the CWA was enacted, the five year permit term is out of step with project design and construction. Water agencies are undertaking very large infrastructure projects that can take over ten years to complete. As a result, water agencies must negotiate new permit terms while the project is on-going.

EPA and the Army Corps of Engineers finalized a rule that redefines the scope of waters regulated under the Clean Water Act in June 2015. This rule introduced new concepts, definitions and tests that would vastly expand the universe of waters defined as "waters of the United States" (WOTUS) and change how waters in the Western United States are managed. The Trump Administration is working on developing a replacement rule.

In California, the State Water Resources Control Board has proposed Draft Procedures for Discharge of Dredged or Fill Material in waters of the state (WOTS) using its authority to issue water quality certifications under Clean Water Act Section 401 and the state Porter-Cologne Water Quality Control Act. These expansive proposed new state regulations would include a definition of wetlands that is in conflict with the federal definition, and state alternatives analysis and a mitigation prioritization approach that is in conflict with the federal requirements. ACWA is working

with water agencies and a broad coalition of urban and agricultural entities to advocate that the State Water Board withdraw or substantially modify this proposal.

### ACWA's Position

ACWA requests that NPDES permit terms be extended from five to ten years, while retaining existing EPA and delegated state authority to reopen permit terms based on current law. This proposed change to the CWA would provide significant benefits to states and local public water/wastewater agencies and ensure that permits better reflect the life cycle realities of today's treatment technologies, construction schedules and resource demands that public agencies must address.

It is essential that any revisions to the definition of WOTUS are consistent with the text of the CWA and its implementing regulations. The 2015 rule defined tributary so broadly that canals, aqueducts, and ditches would become WOTUS. This expansion of federal authority would make it more difficult for water agencies to move water and unnecessarily increase permitting costs. ACWA opposes the 2015 Rule definition of tributary. Water conveyance systems are not WOTUS, and the new rule being developed should clearly state this.

Consistent with the CWA and Justice Scalia's opinion in *Rapanos v. United States*, 547 U.S. 715 (2006), adjacent water facilities are not WOTUS, and the new rule being developed should make this clear. In California, water recycling facilities, groundwater replenishment basins, and other water facilities are located adjacent to WOTUS. The 2015 Rule changed the phrase "adjacent wetlands" to "adjacent waters". As a result, these facilities would need to obtain multiple CWA permits to continue operating. In the new rule being developed all water infrastructure adjacent to WOTUS should be excluded from jurisdiction.

## The Army Corps of Engineers and Water Resources and Development Act

### Background

The Army Corps of Engineers maintains our nation's water resources and plays a critical role in our economy and environment. Congress is often involved at the project level when it comes to Corps activities. Congress authorizes the agency to perform geographically specific projects to improve navigation, reduce flood and storm damage and restore aquatic ecosystems in a bill known as the Water Resources and Development Act (WRDA).

Passage of the Water Infrastructure Improvements for the Nation (WIIN) Act in 2016 was a landmark moment in California water, and WRDA was an important component of WIIN. The WRDA provisions authorize numerous Army Corps of Engineers projects, including restoration of the Los Angeles River, Lake Tahoe and the Salton Sea. It also strengthened water-supply reliability by helping water agencies work with the Army Corps of Engineers to construct stormwater capture projects, groundwater recharge projects and a gamut of other projects that bolster local water supply.

### Position

Unfortunately, the Corps' operating budget has not kept pace with project demand, and there is a backlog of new projects waiting to

be started. Funding for the Corps is not even enough to keep current projects on schedule or conduct maintenance work to prevent paying for expensive "crisis" repairs in the future. ACWA encourages Congress to provide more funding for the Corps and requests at least \$6.5 billion for the Corps per year.

The passage of WIIN authorized numerous projects to help water management in California. It is now incumbent upon Congress to provide funding for these programs and projects. House and Senate appropriators should take seriously the authorizing language in WIIN.

WRDA 2014 directed both EPA and the Corps to develop a Water Infrastructure Finance and Innovation Authority (WIFIA) program. EPA has moved forward with its WIFIA program and awarded its first loans. The Corps has yet to establish or implement the program. ACWA urges the Corps and Congress work together to create a WIFIA program for Corps projects.

ACWA looks forward to working with Congress, the Army Corps of Engineers, and Department of Interior on implementation of WIIN. ACWA also appreciates Congress focus on returning to a two-year authorization schedule for WRDA bills and looks forward to working with Congress as it develops WRDA 2018.



## Safe Drinking Water Act

### Background

The Safe Drinking Water Act (SDWA) authorizes EPA to set health-based standards for contaminants in drinking water. There are primary drinking water standards, known as maximum contaminant levels (MCLs), for 88 chemicals and microorganisms. EPA is required to review and revise, if appropriate, these MCLs at least every six years.

The process to regulate new contaminants begins with the development of the “contaminant candidate list” (CCL) every five years. To help inform the list, EPA requires large water systems to monitor for unregulated contaminants as part of the “unregulated contaminant monitoring requirements” (UCMR) in SDWA. Every five years EPA must make a regulatory determination on at least five contaminants from the CCL, develop a new CCL and update the list of unregulated contaminants for which water systems must monitor.

EPA released its latest regulatory determination on Jan. 4, 2016. The agency determined it would not set a drinking water standard for four contaminants on the CCL and will collect more information before deciding if a drinking water standard should be set for strontium. Currently California has a drinking water standard for the radioactive form of strontium but not the strontium 88 isotope EPA is studying. Following the regulatory determination, EPA finalized the next CCL, known as CCL4, on Nov. 17, 2016 and the next UCMR, UCMR4, began on Jan. 1, 2018.

Once a regulatory determination is made, EPA starts the process of setting an MCL. First, a non-enforceable health goal, known as a maximum contaminant level goal (MCLG), is established. An MCLG is the level of a contaminant in drinking water below which there are no expected health risks. After an MCLG is determined, EPA considers the economic and technical feasibility of the MCLG and sets an enforceable MCL.

California has its own SDWA, which incorporates all of the federal SDWA requirements plus additional standards. The Office of Environmental Health Hazard Assessment first establishes a public health goal similar to an MCLG. Once a PHG is finalized, the State Water Resources Control Board completes a technical and economic feasibility analysis and sets the MCL as close to the PHG as feasible. Last July the SWRCB adopted an MCL for 1,2,3 Trichloropropane of 5 parts per trillion, and it went into effect on Dec. 14, 2017. Water systems started quarterly monitoring for 1,2,3-TCP this January.

### ACWA's Position

ACWA members' highest priority is the delivery of safe, reliable drinking water. ACWA believes that all regulatory decisions affecting drinking water should be made through the process established by SDWA. For these reason ACWA opposes legislation, such as HR 1068 the “Safe Drinking Water Amendments of 2017,” because it would direct EPA to set drinking water standards by a specific date. ACWA supports HR 3387, the “Drinking Water System Improvement Act of 2017,” and urges its passage. In addition to authorizing \$8 billion over five years for the drinking water SRF, this bill would authorize additional funding to help disadvantage communities comply with drinking water standards.

ACWA supports reauthorizing and robustly funding EPA's State Revolving Fund (SRF) program and Water Infrastructure Finance and Innovation Authority (WIFIA). SRF loans provide needed funding for water infrastructure projects and assistance in developing and implementing treatment options for regulated contaminants. WIFIA, is a useful tool to finance large water infrastructure projects that would not qualify for SRF funding. No single solution can address the full range of water and wastewater infrastructure needs and lots of funding options need to be available to meet water agencies' needs.

## Water and Energy Conservation

### Background

Water agencies are uniquely positioned to increase consumer awareness of both water and energy conservation measures. ACWA works with the California Department of Water Resources on a statewide education and outreach campaign known as “Save Our Water”. The goal of this campaign is to make water conservation a way of life for Californians. The “Save Our Water” website offers tips to help consumers reduce their water and energy use and connects consumers to rebates for water and energy efficient appliances, drought tolerant landscaping, and more efficient outdoor irrigation equipment. “Save Our Water” also partners with local water agencies and other community-based organizations, conducts social media outreach, and funds radio and television advertisements.

Public utilities in every state offer rebate programs to promote water conservation and storm water management, but the rebates they pay to homeowners who help are currently seen as taxable income to the recipient. This is in stark contrast to the treatment of similar energy efficiency rebates, which Congress declared non-taxable in 1992 under Section 136 of the Internal Revenue Code.

EPA’s WaterSense program is designed to make it easy for consumers to choose water efficient products and services. Household items, including toilets and showerheads, that meet independently verified water efficient standards carry the WaterSense label. This program, along with the Department of Energy’s Energy Star program, allow consumers to easily choose the more efficient product when purchasing items for their home.

### ACWA’s Position

ACWA encourages Congress to provide tax parity for water and energy conservation programs.

Section 136 of the Internal Revenue Code exempts energy conservation subsidies from inclusion in gross income; however, there is no similar exemption for water conservation measures. Water conservation programs are just as valuable as energy conservation programs and should be treated equally. California is recovering from a severe drought, and water agencies and their customers should not have to worry about the tax implications of rebate programs for turf removal and other conservation efforts. ACWA supports the “Water Conservation Tax Parity Act,” S 1464/HR 448, and urges its passage this Congress. This bipartisan bill would provide equal tax treatment for water and energy conservation measures.

ACWA supports EPA’s WaterSense program and encourages Congress to officially authorize the program and provide it with robust funding. However, authorizing language must ensure the WaterSense program does not inadvertently harm water quality. In 2010, EPA issued a Notice of Intent (NOI) to develop WaterSense specifications for self-regenerating water softeners. These point-of-use products use rock salt, and discharge salty brine into wastewater collection and treatment systems that can make it more difficult to meet permit requirements and recycle water. In 2011, EPA withdrew the NOI after water and wastewater agencies voiced strong concerns about the water quality impacts of these products. Last Congress, ACWA was concerned language in the bills authorizing the WaterSense program would have allowed EPA to reopen the water softener NOI. This Congress, Senate bill S 1147 and S 1700 contain similarly problematic language. If language authorizing the WaterSense program is considered this Congress, ACWA urges lawmakers to ensure water quality is protected. The WaterSense authorization language in HR 3275 and HR 3248 accomplishes this goal.

# CALIFORNIA MAJOR WATER PROJECTS



Source: Department of Water Resources, CWP 2013



## LOCATIONS AND CONTACTS

### **Sacramento Office**

910 K Street, Suite 100  
Sacramento CA, 95814  
tel 916.441.4545  
fax 916.325.4849

### **Timothy Quinn**

Executive Director  
timq@acwa.com

### **Cindy Tuck**

Deputy Executive Director, Government Relations  
cindy@acwa.com

### **Washington D.C. Office**

400 North Capitol Street NW, Suite 357  
Washington, D.C. 20001  
tel 202.434.4760  
fax 202.434.4763

### **David Reynolds**

Director of Federal Relations  
dlreyns@sso.org

### **Abby Schneider**

Senior Federal Relations Representative  
aschneider@sso.org

### **Josh Abel**

Federal Relations Coordinator  
jabel@sso.org





## FOWD & SJWD March 1, 2018 2x2 Meeting Summary

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T. Gray & P. Helliker

Attendees: M. Hanneman – SJWD Board President  
D. Rich – SJWD Board Member  
P. Helliker – SJWD General Manager  
R. Marx – FOWD Board President  
M. Sarkovich – FOWD Board Member  
T. Gray – FOWD General Manager

### Discussion:

1. FOWD Director highlighted three major issues with the existing Wholesale Water Supply Agreement between FOWD and SJWD.
  - a. SJWD-W rates increases
  - b. SJWD-W rate structure
  - c. Costs differences between SJWD SW & FOWD GW
  
2. Discussion related to item one.
  - a. Cost of service rate setting principles related to SJWD-W rates
  - b. Current SJWD-W rate structure being heavy in fixed charges
    - i. Provides SJWD benefits of a “take or pay” agreement w/o a firm obligation of a fixed amount of water
    - ii. Reduces incentive for wholesale customer agencies to use alternative sources of supply
    - iii. No adjustment in financial plan “ratios” for GW pumped for the benefit of SJWD-W or for the mutual benefit of transfers
    - iv. SJWD wholesale rate is changing from 40% fixed charges to 60% fixed charges during the 2017-2022 period. FOWD rates are currently at 80% fixed charges.
  - c. Current cost for FOWD groundwater supply is \$263, including utilities, supplies, labor, overhead and capital. Current cost for SJWD wholesale supply (including all of these factors) is approximately \$220/AF, depending on amount of SJWD water purchased by FOWD – T. Gray & P. Helliker were requested to verify these cost for future use by the Committee





3. FOWD Director introduced 100% GW option for FOWD as a lose/lose for both FOWD & SJWD.
  - a. FOWD Director stated that in this option FOWD would pump GW and purchase SW from CWD to meet 100% of FOWD customer demand.
  - b. GW contamination plume
  - c. Availability of SW from CWD
  - d. Cost Impacts

Tasks for Staff (P. Helliker & T. Gray):

- Set next meeting prior to Mid-April 2018
- Develop comparable costs for SJWD-W SW & FOWD GW – including utilities, materials and supplies, labor, overhead and capital costs - for use by Committee at next meeting
- Develop a starting document for a for a proposed Wholesale Water Supply Agreement update

Future Agenda Items:

1. Agree on the numbers to be used for comparing the cost of FOWD GW to SJWD-W SW
2. Come to a common understanding the cost of service principles related to SJWD-W rates
3. Come to a common understanding relative to GW pumping and the member agency “ratios” used in SJWD-W rate setting relative to the fixed rate component
4. Do common benefits exist for both FOWD and SJWD in the development of a “take or pay” Wholesale Water Supply Agreement?

**Engineering Committee Meeting Minutes  
San Juan Water District  
March 8, 2018  
4:00 p.m.**

**Committee Members:** Dan Rich, Chair  
Ted Costa, Director

**District Staff:** Paul Helliker, General Manager  
Tony Barela, Operations Manager  
George Machado, Field Services Manager  
Rob Watson, Engineering Services Manager  
Teri Grant, Board Secretary/Administrative Assistant

**Members of the Public:** Richard Price, Arch Nexus

**Topics:** Granite Bay Booster Pump Station Contract (R)  
Facilities Plan Update (W & R)  
Other Engineering Matters  
Public Comment

**1. Granite Bay Booster Pump Station Contract (R)**

Mr. Watson informed the committee that the District utilized HDR Engineering, Inc. for design services for the initial Phase I design for the Low Flow Pumps for both the Lower and Upper Granite Bay Booster Pump Stations. He explained that due to the reduced flow rates at the pump stations, the low flow motors need to be installed. The District is ready to begin Phase II of the project and because of HDR's qualifications and previous experience working on the original project, staff recommends HDR for completing the design on Phase II for this project. A copy of the final proposal was attached to the staff report which will be attached to the meeting minutes.

*The Engineering Committee recommends a motion to approve entering into an agreement amendment with HDR Engineering, Incorporated for the Phase II design of the UGB and LGB Booster Pump Station improvements for a not-to-exceed amount of \$64,286.00 with a total authorized design budget of \$70,715 which includes a 10% contingency.*

**2. Facilities Plan Update (W & R)**

Mr. Helliker reminded the committee that last year he was requested to analyze and assess the facility needs at the District prior to initiating any work on the Old Shop; therefore, he delegated Mr. Barela to work with a consultant to complete this task. Mr. Barela provided the committee with a written staff report which will be attached to the meeting minutes. Mr. Barela explained that staff procured the services of Arch Nexus to review the District's facility needs. A copy of the consultant's report is attached to the staff report.

Mr. Richard Price, from Arch Nexus, conducted a brief presentation. He explained that his firm conducted a Facility and Needs Assessment of the existing buildings and SJWD campus in order to assess compliance with the American with Disabilities Act (ADA) and Chapter 11B of the California Building Code. The assessment included a mechanical/plumbing evaluation, an electrical system evaluation, and an overall functionality review. He explained that the assessment focused on the following locations:

1. Administration Building
2. Water Treatment Plant
3. Engineering/Maintenance Building
4. Old Shop

Each of these sites were evaluated related to code and life safety requirements, functionality, available space and user satisfaction. Additionally, the site was evaluated related to the Americans with Disabilities Act (ADA) and mechanical/plumbing/electrical code compliance. Mr. Price provided some examples of issues at the District and referred the committee to the written report for full details. Mr. Barela mentioned that the overall site needs were also evaluated and he informed the committee that the District is at capacity in all buildings for housing employees.

In response to Director Costa, Mr. Barela explained that the WTP generator could not be used to supply power to the Administration Building during a power outage and that staff have an emergency plan in place to cover that need. Director Costa suggested that staff look into the option of storing power from the solar facility into batteries for emergency use. In addition, Director Costa suggested that staff review the report that was done in 1996 for the office expansion.

Mr. Price informed the committee that there are specific ADA requirements that would have to be completed if extensive modification of a building is considered; however, if no work or only maintenance-type work is completed then the District is not required to make any updates to be ADA-compliant. Mr. Helliker informed the committee that Legal Counsel would also review the report; however, the first step is to make a plan based on the Facility and Needs Assessment and work the plan into the budget.

Mr. Price informed the committee that a Risk Assessment was also completed which reviewed the accessibility codes and laws, OSHA regulations, fire/life safety regulations and structural/seismic safety. Director Rich commented that the Old Shop should be torn down since it is a safety hazard. Mr. Barela explained that all equipment and stored files were removed from the Old Shop. Mr. Helliker explained that work on the Old Shop is pending a decision from the Board once they review the Facility and Needs Assessment report.

Mr. Price reviewed the three options which could be considered by the District:

- Option “A” calls for the required code violations and associated work to be mitigated along with general upgrades to facilities and replace the old shop for storage at a total estimated cost of \$2,170,700
- Option “B” calls for the same scope of work as outlined above in option “A” including a new addition of 1,296 sf to the existing building. It also recommends repurposing the existing Engineering and Maintenance Building as the new Storage Building and Building a new Engineering and Maintenance Building at a total estimated cost of \$4,258,080
- Option “C” includes a new centralized Administration building that houses much of the staff as well as the Engineering/Maintenance function. Renovate the existing Engineering and Maintenance Building to become the new Storage Building at a total estimated cost for of \$7,172,400

Mr. Price informed the committee that based on their findings, he recommends Option “B” which allows the District to mitigate the major code issues in the locations where these issues impact the public, as well as provide a safe, long term storage solution for the District. Mr. Helliker informed the committee that the Board should review the report, discuss any revisions to the recommended option, such as including a boardroom in the new building and repurposing the current boardroom, then have an architect provide a pre-design study. The committee agreed with this approach. In addition, the committee recommended proceeding with demolition of the Old Shop.

*For information only; no action requested.*

### **3. Other Engineering Matters**

Mr. Watson informed the committee that the Notice of Exemption for the pipeline project on Douglas Blvd near Mooney Drive is being filed with Placer County.

### **4. Public Comment**

There were no public comments.

The meeting was adjourned at 5:27 p.m.

# STAFF REPORT



To: Engineering Committee

From: Rob Watson, Engineering Services Manager

Date: March 8, 2018

Subject: Lower Granite Bay and Upper Granite Bay Booster Pump Stations -  
Low Flow Pump Improvements Project – Phase II Design

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## RECOMMENDED ACTION

Staff recommends a motion to approve entering into an agreement amendment with HDR Engineering, Incorporated for the Phase II design of the UGB and LGB Booster Pump Station improvements for a not-to-exceed amount of \$64,286.00 with a total authorized design budget of \$70,715 which includes a 10% contingency.

## BACKGROUND

In August of 2017, the District entered into a design services agreement with HDR Engineering, Incorporated for the initial Phase I design for the Low Flow Pumps for both the Lower and Upper Granite Bay Booster Pump Stations. The cost of the Phase I design was \$17,660 and resulted in completion of the hydraulic analysis for pump sizing to meet the low flow demand conditions, and in preparation of the initial layout of the planned pumping improvements.

Because of HDR's qualifications and previous experience working on the original 2013/14 design for both of these pump stations, HDR's preliminary design of elements of the current Project, and the potential benefits to staff time and resources, HDR is the best suited for completing the design for this Project. Therefore Staff requested and received a proposal and negotiated the final scope and budget to meet the District's Project requirements. A copy of the final proposal is attached to this Staff Report.

## STATUS

The Project is now ready to be prepared for construction. Phase II of the design will result in timely completion of the design, including preparation of drawings and specifications ready for Bidding before the forthcoming start of the construction season.

## FINANCIAL CONSIDERATIONS

The Project was budgeted at \$169,500 in the District's adopted FY 2017/2018 Retail Budget. With this proposed contract amendment with HDR, the total not-to-exceed amount of the contract would be \$88,375, which is within the budgeted amount.