



**DUBLIN SAN RAMON SERVICES DISTRICT  
Board of Directors**

**NOTICE OF REGULAR MEETING**

**TIME:** 6 p.m.

**DATE:** Tuesday, February 20, 2018

**PLACE:** Regular Meeting Place  
7051 Dublin Boulevard, Dublin, CA

**AGENDA**

**Our mission is to provide reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and environmentally responsible manner.**

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL – Members: Duarte, Halket, Howard, Misheloff, Vonheeder-Leopold
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES

5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC)

At this time those in the audience are encouraged to address the Board on any item of interest that is within the subject matter jurisdiction of the Board and not already included on tonight's agenda. Comments should not exceed five minutes. Speakers' cards are available from the District Secretary and should be completed and returned to the Secretary prior to addressing the Board. The President of the Board will recognize each speaker, at which time the speaker should proceed to the lectern, introduce him/herself, and then proceed with his/her comment.

6. REPORTS

- 6.A. Reports by General Manager and Staff

- Event Calendar
- Correspondence to and from the Board

- 6.B. Joint Powers Authority and Committee Reports

- 6.C. Agenda Management (consider order of items)

7. APPROVAL OF MINUTES

- 7.A. Regular Meeting Minutes of February 6, 2018

**Recommended Action:** Approve by Motion

8. CONSENT CALENDAR

Matters listed under this item are considered routine and will be enacted by one Motion, in the form listed below. There will be no separate discussion of these items unless requested by a Member of the Board of Directors or the public prior to the time the Board votes on the Motion to adopt.

8.A. Accept the Following Regular and Recurring Reports: Warrant List and No Net Change Operating Budget Adjustments  
**Recommended Action:** Accept by Motion

8.B. Approve Side-Letters of Agreement with Stationary Engineers, Local 39 and Dublin San Ramon Services District, and the Mid-Management Employees' Bargaining Unit and Dublin San Ramon Services District  
**Recommended Action:** Approve by Resolutions (2)

8.C. Approve the Water Supply Assessment for the AT Dublin Project  
**Recommended Action:** Approve by Resolution

9. **BOARD BUSINESS**

9.A. First Reading: Introduction of Ordinance Revising District Code Section by Adding Section 7.40.050, Informal Bidding Procedures, and Renumbering as Section 7.40.060 Former Section 7.40.050 Policies and Procedures for Purchasing Supplies and Equipment  
**Recommended Action:** Introduce Ordinance and Waive Reading by Motion

9.B. Receive Presentation and Provide Direction Regarding Boardroom Audio/Video Improvements (CIP 16-A004)  
**Recommended Action:** Receive Presentation and Provide Direction

9.C. Receive Presentation on the 2017 Information Technology Services Master Plan  
**Recommended Action:** Receive Presentation

9.D. Receive Update on the Diversion of Central Contra Costa Sanitary District Wastewater for Recycled Water Supply  
**Recommended Action:** Receive Presentation

10. **BOARD MEMBER ITEMS**

- Submittal of Written Reports from Travel and Training Attended by Directors
- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

11. **CLOSED SESSION**

11.A. Conference with Legal Counsel – Existing Litigation Pursuant to Government Code Section 54956.9(d)(1)  
Names of Cases: Hendrix; Cameron; Schroen; Under Seal v. Under Seal

12. **REPORT FROM CLOSED SESSION**

13. **ADJOURNMENT**

All materials made available or distributed in open session at Board or Board Committee meetings are public information and are available for inspection at the front desk of the District Office at 7051 Dublin Blvd., Dublin, during business hours, or by calling the District Secretary at (925) 828-0515. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

**DUBLIN SAN RAMON SERVICES DISTRICT  
MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS**

Item 7.A.

**February 6, 2018**

**1. CALL TO ORDER**

A regular meeting of the Board of Directors was called to order at 6:01 p.m. by President Vonheeder-Leopold.

Prior to the call to order, District Secretary Nicole Genzale reported that an External Affairs Committee meeting was held earlier today, attended by President Vonheeder-Leopold and Director Halket. In accordance with DSRSD's Day of Service policy, no Director will receive any compensation or stipend for participating in more than one meeting on this date.

**2. PLEDGE TO THE FLAG**

**3. ROLL CALL**

**Boardmembers present at start of meeting:**

President Georgean M. Vonheeder-Leopold, Vice President Madelyne A. (Maddi) Misheloff, Director D.L. (Pat) Howard, Director Edward R. Duarte, and Director Richard M. Halket.

**District staff present:** Dan McIntyre, General Manager; Carol Atwood, Administrative Services Manager/Treasurer; Judy Zavadil, Engineering Services Manager/District Engineer; Jeff Carson, Operations Manager; Carl P.A. Nelson, General Counsel; and Nicole Genzale, Executive Services Supervisor/District Secretary.

**4. SPECIAL ANNOUNCEMENTS/ACTIVITIES**

General Manager McIntyre reported the District's first Citizen's Water Academy is garnering a lot of interest and available seats are filling up quickly.

**New Employee Introduction:**

Kamarray Pruitt, Customer Service Representative I  
Michael Dela Rosa, Mechanic II  
Isidro Lopez, Mechanic II

**5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 6:05 p.m. No public comment was received.**

**6. REPORTS**

**6.A. Reports by General Manager and Staff**

- Event Calendar – General Manager McIntyre reported on the following:
  - o The next Tri-Valley Water Liaison Committee meeting will be hosted by City of Livermore on Thursday, March 1 at 4 p.m. The joint potable reuse feasibility study will be presented.
- Correspondence to and from the Board on an Item not on the Agenda – None

**6.B. Joint Powers Authority and Committee Reports**

DERWA – February 5, 2018  
External Affairs – February 6, 2018

President Vonheeder-Leopold invited comments on recent JPA/Committee activities. Director Howard reported DERWA elected 2018 officers, and some staff and DERWA Boardmembers will attend Central Contra Costa Sanitary District's (Central San) March 1 Board meeting to support DERWA's proposal to acquire supplemental wastewater supply. Director Halket reported the External Affairs Committee prepared for upcoming liaison meetings. He also requested General Manager McIntyre provide the Board with an update from the Central San Board meeting.

6.C. Agenda Management (consider order of items) – No changes were made.

7. APPROVAL OF MINUTES

7.A. Regular Meeting Minutes of January 16, 2018

Vice President Misheloff MOVED for the approval of the January 16, 2018 minutes. Director Duarte SECONDED the MOTION, which CARRIED with FIVE AYES.

8. CONSENT CALENDAR

Director Halket MOVED for approval of the item on the Consent Calendar. Director Howard SECONDED the MOTION, which CARRIED with FIVE AYES.

8.A. Approve Board Committee and Joint Powers Authority Assignments for Calendar Year 2018 – Approved

9. BOARD BUSINESS

9.A. Elect to Become Subject to the California Uniform Public Construction Cost Accounting Act

General Manager McIntyre advised the Board that Items 9.A and 9.B are related, however, Item 9.B will be carried over to February 20 to further clarify the proposed ordinance language. The Board agreed to consider only Item 9.A this evening.

Financial Services Supervisor Vaden reviewed the item for the Board. The Board and staff discussed aspects of the Act should the District elect to become subject to it, including gaining greater flexibility to approve and execute projects, and requiring awarding of contracts over \$175,000 with a four-fifths affirmative vote of the Board, plus a determination that the District's cost estimate is reasonable.

Director Howard MOVED to adopt Resolution No. 7-18, Electing to Become Subject to the California Uniform Public Construction Cost Accounting Act. Vice President Misheloff SECONDED the MOTION, which CARRIED with FIVE AYES.

Staff affirmed that the proposed ordinance, as well as a revised Purchasing policy reflecting updates based on electing the Act, will be agendized for the February 20 Board meeting.

9.B. First Reading: Introduction of Ordinance Revising District Code Section Adding Section 7.40.050, Informal Bidding Procedures, and Renumbering as Section 7.40.060 Former Section 7.40.050 Policies and Procedures for Purchasing Supplies and Equipment

Director Howard MOVED to delay Item 9.B to the February 20 Board meeting. Director Duarte SECONDED the MOTION, which CARRIED with FIVE AYES.

9.C. Reject Apparent Low Bid, Award Construction Agreement to GSE Construction Company, Inc., for the Water Distribution System Water Quality Improvements Project (CIP 15-W017), and Approve Budget Adjustment

Engineering Services Manager Zavadil reviewed the item for the Board. The Board and staff discussed various aspects of the project. Ms. Zavadil described the first installation of the chloramination system at Reservoir 1A and explained that the proposed budget adjustment would enable staff to avoid the issues encountered at Reservoir 1A by factoring in the staff time and construction related costs for the installation at Reservoir 3B.

Vice President Misheloff MOVED to adopt Resolution Nos. 8-18 and 9-18, Rejecting the Apparent Low Bid and Approving and Authorizing Execution of Agreement with GSE Construction Company, Inc. for Construction of the Water Distribution System Water Quality Improvements Project (CIP 15-W017), and Approving an Adjustment to the Capital Improvement Program Two-Year Budget for Fiscal Years Ending 2018 and 2019 to Increase the Project Budget for the Water Distribution System Water Quality Improvements Project (CIP 15-W017). Director Duarte SECONDED the MOTION, which CARRIED with FIVE AYES.

9.D. Receive Report on Los Vaqueros Expansion Project

General Manager McIntyre reviewed the item for the Board. He provided background information on Proposition 1, a voter approved \$7.5 billion water bond for investing in state water management systems. Twelve agencies applied to the California Water Commission for funding. He explained a January Valley Times article misstated that none of the agencies qualified, however, the applications are still under review to clarify the methodology used to meet requirements. The article also misstated Los Vaqueros Reservoir would add 275,000 acre-feet (AF) of new water storage, when in fact, it would increase the existing 160,000 (AF). The Board and staff further discussed the Proposition 1 funding and application process, as well as the potential benefits and impacts to the District should the Los Vaqueros Expansion Project receive funding.

9.E. Receive Presentation on Proposition 218 Basics

General Counsel Nelson gave a presentation to the Board which identified charges subject to Proposition 218, and reviewed the substantive requirements and adoption procedures for rates and assessments under Proposition 218, and for charges under Proposition 26. The slide presentation was distributed to the Board for reference. The Board and staff discussed aspects of the presentation. Staff confirmed an item presenting possible approaches to revise the annual Dougherty Valley Standby Charge District 2001-1 assessment and the related Proposition 218 actions will be brought to the Board in March.

9.F. Receive Presentation and Provide Direction on Board Briefings and Workshops

General Manager McIntyre reviewed the item for the Board. The Board conveyed interest in receiving briefings or workshop presentations on topics such as the San Juan Capistrano rate decision, the District's SCADA (Supervisory Control and Data Acquisition) system, emergency response planning and water rates. The Board agreed the particular topic and length of presentation would best determine whether or not the briefing should be presented at a Special Workshop or a Regular Board meeting.

**10. BOARDMEMBER ITEMS**

- Submittal of Written Reports from Travel and Training Attended by Directors

President Vonheeder-Leopold submitted written reports to Executive Services Supervisor Genzale. She reported that she attended the California Association of Sanitation Agencies (CASA) Winter conference, the CASA Board of Directors meeting, and the Bay Area Biosolids Coalition meeting in Palm Springs January 24-26, 2018. The District received a certificate of recognition for contributing to CASA's scholarship fund. She summarized the activities and discussions at the meetings.

- Request New Agenda Item(s) Be Placed on a Future Board of Committee Agenda

The Board requested staff agendize an item for the February 20 Board meeting to prepare for attending the Central Contra Costa Sanitary District Board meeting on March 1 in support of a potential agreement with DERWA to provide supplemental wastewater supply.

**11. CLOSED SESSION**

At 7:23 p.m. the Board went into Closed Session.

**11.A. Conference with Labor Negotiators – Pursuant to Government Code Section 54957.6**

Agency Negotiator: Dan McIntyre, General Manager

Carol Atwood, Administrative Services Manager

Michelle Gallardo, Human Resources and Risk Supervisor

Employees Organizations: 1. Stationary Engineers Local 39

2. Mid-Management Employees' Bargaining Unit

Additional Attendees: Carl P. A. Nelson, General Counsel

**12. REPORT FROM CLOSED SESSION**

At 7:32 p.m. the Board came out of Closed Session. President Vonheeder-Leopold announced that there was no reportable action.

**13. ADJOURNMENT**

President Vonheeder-Leopold adjourned the meeting at 7:33 p.m.

Submitted by,

Nicole Genzale, CMC  
Executive Services Supervisor/District Secretary



**TITLE:** Accept the Following Regular and Recurring Reports: Warrant List and No Net Change Operating Budget Adjustments

**RECOMMENDATION:**

Staff recommends the Board of Directors accept, by Motion, the attached regular and recurring reports.

**SUMMARY:**

To maximize openness and transparency, to allow the Board to be informed about key aspects of District business, and to provide direction when appropriate, the Board directed that various regular and recurring reports be presented for Board acceptance at regular intervals. This item is routinely presented to the Board at the second meeting of each calendar month.

Reports presented this month for acceptance are noted below and are submitted as attachments to Attachment 1:

Ref A – Warrant list

Ref I – “No Net Change” Operating Budget Adjustments

Originating Department: Administrative Services	Contact: K. Vaden	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – Summary of Regular and Recurring Reports	

## SUMMARY OF REGULAR AND RECURRING REPORTS

Ref.	Description	Frequency	Authority	Last Acceptance	Acceptance at this Meeting?	Next Acceptance
A	Warrant List	Monthly	Board Direction	Jan 2018	Yes	Mar 2018
B	District Financial Statements <sup>1</sup>	Quarterly	Board Direction	Jan 2018		May 2018
C	Low Income Assistance Program Report	Annually – Fiscal Year	Resolution 41-10	July 2017		July 2018
D	Strategic Work Plan Accomplishments Report	Annually – Fiscal Year	Resolution 24-17	July 2017		July 2018
E	Outstanding Receivables Report	Annually – Fiscal Year	District Code 1.50.050	July 2017		July 2018
F	Employee and Director Reimbursements greater than \$100 <sup>2</sup>	Annually – Fiscal Year	CA Government Code 53065.5	July 2017		July 2018
G	Utility Billing Adjustments <sup>3</sup>	Annually – Fiscal Year	Utility Billing Adjustment Policy	August 2017		August 2018
H	Annual Rate Stabilization Fund Transfer Calculation	Annually – After Audit	Financial Reserves Policy	Nov 2017		Dec 2018
I	“No Net Change” Operating Budget Adjustments	As they occur but not more frequently than monthly	Board Direction Budget Accountability Policy (See table below for Ref J, K and L)	Nov 2017	Yes	Before end of month after occurrence
J	Capital Outlay Budget Adjustments			May 2016		
K	Capital Project Budget Adjustments			Oct 2014		
L	Unexpected Asset Replacements			Mar 2017		

For the fiscal year ending 2018, the totals for these reports are as follows:

Category	YTD	This Meeting	Total
Capital Outlay Budget Adjustments	\$0	\$0	\$0
Capital Project Budget Adjustments	\$0	\$0	\$0
Unexpected Asset Replacements	\$0	\$0	\$0

<sup>1</sup> Financial statement reporting changed from monthly to quarterly reporting.

<sup>2</sup> Reimbursements also reported monthly in the Warrant List (Item B). Presented to Board as separate agenda item.

<sup>3</sup> Per the policy a report will be presented to the Board if total credits in preceding fiscal year exceeded \$25,000

apCkHistDesc

Printed on: 02/12/2018 10:27AM

## Check History Description Listing

Dublin San Ramon Services District

Page: 1

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
01/02/2018	608010218	01098 NATIONWIDE RETIREMENT SOLI	NATIONAL DEFERRED COMPENSATION: PAYMENT	40.00	40.00
01/03/2018	12392045	00558 IRS - PAYROLL TAXES	FEDERAL WITHHOLDING TAXES: PAYMENT	491.71	491.71
01/03/2018	203583040	00559 EDD - PAYROLL	CALIFORNIA STATE TAXES: PAYMENT	40.00	40.00
01/04/2018	1000988098	00494 PERS	RETIREMENT: 2017 REPLACEMENT CHARGES	213.24	213.24
01/05/2018	95337	03460 ACCO ENGINEERED SYSTEMS II	NOV 2017: DERWA HVAC QUARTERLY MAINTENAN	386.25	
			NOV 2017: WWTP HVAC QUARTERLY MAINTENANC	386.25	
			NOV 2017: FOD HVAC QUARTERLY MAINTENANCE	346.25	
			NOV 2017: DO HVAC QUARTERLY MAINTENANCE	346.25	1,465.00
01/05/2018	95338	01013 BARRETT BUSINESS SERVICES	A. HARTRICK: W/E 12/10/17	998.40	
			J. HAYES: WE 12/10/17	704.77	
			C. HENDRIX: W/E 12/10/17	614.40	
			N. POON: WE 12/10/17	348.16	2,665.73
01/05/2018	95339	03985 NICOLE GENZALE	GENZALE REIMB EXP AT LEAGUE OF CA CITY C	188.22	188.22
01/05/2018	95340	00937 GRAINGER, INC.	CRACK FILLER FOR PS 2A CONCRETE REPAIR	68.35	68.35
01/05/2018	95341	04424 GRAYBAR ELECTRIC COMPANY	REPLT BREAKER PILOT LIGHTS FOR 21KV BREA	565.72	565.72
01/05/2018	95342	03810 HALOGEN SOFTWARE, INC.	ANNUAL PROFESSIONAL SERVICES - MAINTENAN	750.00	750.00
01/05/2018	95343	01242 INFO SEND, INC	UB BILLING PRINTING/MAILING SERVICES 11/	5,160.62	
			UB BILLING PRINTING/MAILING SERVICES 11/	324.42	5,485.04
01/05/2018	95344	08121 INSITUFORM TECHNOLOGIES, L	16-S021- 12-P003 PP5 OCT 1 - OCT 31	296,046.38	296,046.38
01/05/2018	95345	07109 DANIEL MCINTYRE	MCINTYRE REIMB MILEAGE FOR DEC. 2017	39.72	39.72
01/05/2018	95346	00608 OFFICE TEAM	S MONTAGUE: W/E 12/22/17	598.30	598.30
01/05/2018	95347	01078 STEFANIE OLSON	OLSON RIEMB EXP AT BAPPG MEETING 12/06/2	14.00	14.00
01/05/2018	95348	04973 NATERCIA SAUCEDA	CASE ID FL364781: PAYMENT	111.23	111.23

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
01/05/2018	95349	05026 UNIVAR USA INC.	SODIUM HYPOCHLORITE FOR WWTP OPERATIONS	2,469.41	2,469.41
01/05/2018	95350	05127 VISION SERVICE PLAN - CA (VSP)	JANUARY 2018 - VISION	2,687.69	2,687.69
01/05/2018	95351	04694 VULCAN MATERIALS CO	RECYCLED BASE FOR REPAIRS - FOD	560.18	560.18
01/05/2018	95352	01719 A & M PRINTING, INC.	LEFT WINDOW ENVELOPES	498.40	498.40
01/05/2018	95353	07554 AIRGAS USA, LLC	(3QTY) PROPANE FOR FORKLIFT USE	142.21	142.21
01/05/2018	95354	01954 ANDERSON'S UNIFORMS	UNIFORMS - S. KOZANDA	296.34	296.34
01/05/2018	95355	06349 ARCSINE ENGINEERING	16-R014 TO NO. OC-4 NOV 1 - NOV 30	5,322.00	
			16-A005 POWER DISTRIBUTION SYS NOV 1 - N	3,462.50	
			16-A002 TO NO. OC-3 NOV 1 - NOV 30	1,081.00	9,865.50
01/05/2018	95356	00622 AT&T	C3 - TELE SVCS AND USAGE- PAST DUE AMOUN	798.89	
			C3 - CC DO T1 X 2 THRU 11/13 - 12/12	328.48	
			C3 - T1 WWTP TO PS300 DV THRU 11/13 - 12	241.18	1,368.55
01/05/2018	95357	01697 B & C TRUCK PARTS, INC	PARTS FOR 112	35.24	35.24
01/05/2018	95358	01676 BANK OF AMERICA	BANK CHARGES - NOV 2017	316.29	316.29
01/05/2018	95359	06389 BAY AREA GOLF & INDUSTRIAL	\ CUSH HAULER 800X 48V ELECTRIC CART W/TOP	14,811.13	14,811.13
01/05/2018	95360	06544 KARLA BROWN	REGULAR BOARD MTG ATTENDANCE - 11/15/17	50.00	50.00
01/05/2018	95361	05404 CALIFORNIA FIRST AID & SAFET	DISTRICT OFFICE FACILITY FIRST AID KIT M	157.81	157.81
01/05/2018	95362	06195 CALIFORNIA PRODUCT STEWAR	CPSC - 2017-2018 ASSOCIATE FEES	1,000.00	1,000.00
01/05/2018	95363	01085 CALPERS LONG-TERM CARE PR	LONG-TERM CARE: PAYMENT	68.12	68.12
01/05/2018	95364	00160 CMTA	M. BAILY REGISTRATION 2018 ANNUAL CONFER	299.00	299.00
01/05/2018	95365	00192 CORROSION ENG'G ASSOCIATE	ANNUAL SURVEY OF CP SYSTEMS AT EACH OF	2,420.00	2,420.00
01/05/2018	95366	03154 DAPPER TIRE CO	TIRES FOR VEHICLE #70 & #117	619.08	619.08
01/05/2018	95367	01264 DE SILVA GATES	RTND MTR#65495592	904.56	904.56

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Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
01/05/2018	95368	01264 DE SILVA GATES	RTND MTR# 1629809	455.86	
			RTND MTR# 1581743	455.86	
			RTND MTR# 65492099	455.86	1,367.58
01/05/2018	95369	00241 DGS OFS SVC REVOLVING FUN	NATURAL GAS SERVICE @ THE WWTP - 11/17	17,762.92	17,762.92
01/05/2018	95370	02656 FASTENAL COMPANY	HARDWARE FOR NEW GOLF CARTS	14.69	14.69
01/05/2018	95371	00313 FASTSIGNS	NAMEPLATE FOR MADELYNE MISHELOFF	24.59	24.59
01/05/2018	95372	02914 STATE OF CALIFORNIA FRANCHI	FRANCHISE TAX BOARD: PAYMENT	150.00	150.00
01/05/2018	95373	00352 GOLDEN STATE FLOW MEASURE	GSFM	3,639.45	3,639.45
01/05/2018	95374	00368 HACH COMPANY	CHEMKEY 25 PIECE HARDNESS	20.26	20.26
01/05/2018	95375	06732 HIRERIGHT, INC.	EMPLOYMENT BACKGROUND SCREENING SERVICES	646.55	646.55
01/05/2018	95376	07469 HLM INC.	16-A006 INSTALL LVT @ DO BREAKROOM/SMALL	9,545.00	9,545.00
01/05/2018	95377	07523 ID ARCHITECTURE	16-A004 TO NO. 3 ARCHITECTURAL DESIGN SE	1,201.25	1,201.25
01/05/2018	95378	06931 IWATER, INC	2 ANNUAL MAINTENANCE FOR INFRAMAP-STANDA	1,000.00	1,000.00
01/05/2018	95379	02353 KELLY-MOORE PAINT CO., INC.	PAINTS FOR WWTP BLDG EXTERIOR	413.05	413.05
01/05/2018	95380	04873 KIMBALL MIDWEST	COMBO-TAPS AND TIE WRAPS	372.07	372.07
01/05/2018	95381	04634 LABWORKS EQUIPMENT SRVC,	VALVE ASSMBLY REPALCEMENT-AUTOCLAVE REPA	536.93	
			POWER SWITCH REPLACEMENT- AUTOCLAVE REPA	131.80	668.73
01/05/2018	95382	07943 LABWORKS, LLC	LABWORKS ANNUAL SUPPORT 01/01/2018-12/31	10,096.00	10,096.00
01/05/2018	95383	00509 LIEBERT CASSIDY WHITMORE	ANNUAL MEMBERSHIP - ERC (1/1/18 - 12/31/	2,495.00	2,495.00
01/05/2018	95384	05406 MAAS BROTHERS POWDER CO/	POWDER COATING FOR GOLF CART PICK-UP BED	400.00	400.00
01/05/2018	95385	07264 MANPOWERGROUP US INC.	M. ZAKLAN: WE 12/10/17	481.58	481.58
01/05/2018	95386	02166 MAZE & ASSOCIATES	FYE2017 AUDIT SERVICES AND AUP	2,211.00	
			LAWWMA: FINAL FY17 AUDIT SERVICES	799.00	3,010.00

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Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
01/05/2018	95387	05897 MERIT RESOURCE GROUP	A. MCCAFFERY: WE 12/10/17	1,306.50	1,306.50
01/05/2018	95388	01650 MICROSOFT	QTY (5) SURFACE PRO, TYPE COVERS AND PEN	10,222.13	10,222.13
01/05/2018	95389	04796 NAPA AUTO PARTS	GLOVES FOR RON	18.51	
			HEADLIGHT BULB FOR VEHICLE #79	8.79	27.30
01/05/2018	95390	02109 ONE HOUR DELIVERY SERVICE,	ONE HOUR DELIVERY - BOARD PACKETS 12/1/1	115.00	115.00
01/05/2018	95391	00620 P G & E	MISC PUMP STNS, RESERVOIRS, TO'S ELEC -	30,770.51	
			LAWWMA PS FEEDER B DEC'17	3,397.32	
			PUMP STATION R200A ELEC - 12/17	1,751.63	
			RESERVOIR R200 DERWA TANK 2 ELEC - 12/17	34.41	35,953.87
01/05/2018	95392	04211 PLATT ELECTRIC SUPPLY	PARTS FOR EAST DUBLIN LIFT STATION (LS2)	1,507.23	
			WET LOCATION PLUGS FOR CHLOR-O-VAC PUMPS	238.95	
			PLUGS FOR CHLOR-O-VAC PUMPS	183.37	
			PLUGS FOR CHLOR-O-VAC PUMPS	118.16	2,047.71
01/05/2018	95393	04105 R&B COMPANY	REPAIR PARTS - FOD	2,394.73	2,394.73
01/05/2018	95394	06345 RON DUPRATT FORD	VEHICLE #29 PARTS	624.30	
			VEHICLE #115 REAR TAIL LIGHT	104.34	728.64
01/05/2018	95395	04635 SERVTECH INC.	FIAS/AA SERVICE CONTRACT	3,148.00	3,148.00
01/05/2018	95396	02015 SHERWIN-WILLIAMS CO	PAINTS FOR WWTP	220.63	220.63
01/05/2018	95397	00774 SIEMENS INDUSTRY, INC	REPLT FLOW METER FOR PLEASANTON	2,408.96	2,408.96
01/05/2018	95398	00786 SNAP-ON INDUSTRIAL	TOOLS FOR JAIME FLEET	731.25	
			TOOLS FOR JAIME	350.45	1,081.70
01/05/2018	95399	00810 STUDIO BLUE REPROGRAPHICS	17-A007 STUDIO BLUE CONTRACT DOCS	314.01	314.01
01/05/2018	95400	00848 THE LIGHTHOUSE	TRUCK #124 COMPLETE SET OF NEW LIGHTS	2,117.91	2,117.91
01/05/2018	95401	01806 U.S. BANK	COPIER LEASE MAINT/ENGIN/ FOD - JANUARY	663.04	

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Dublin San Ramon Services District

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To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			COPIER LEASE MAINT/ENGIN/FOD - DEC 2017	370.01	1,033.05
01/05/2018	95402	01222 UNITED STATES TREASURY	GARNISHMENT - IRS: PAYMENT	420.50	420.50
01/05/2018	95403	00556 UNITED WAY OF THE BAY AREA	UNITED WAY: PAYMENT	207.40	207.40
01/05/2018	95404	00911 VADEN, KAREN - PETTY CASH	PETTY CASH WWTP - W/E 10/31/2017 FY 2017	156.39	156.39
01/05/2018	95405	00912 VALLEY CARE HEALTH SYSTEM	PRE-EMPLOYMENT PHYSICAL/DRUG SCREEN	369.00	
			PRE-EMPLOYMENT PHYSICAL/DRUG SCREEN	153.00	
			BLOOD BORNE PATHOGEN - HEP B VACCINATION	76.00	598.00
01/05/2018	95406	00933 VWR INTERNATIONAL, INC.	LAVWMA COLORIMETER KIT	441.96	
			LAB CHEMICALS AND SUPPLIES	141.74	
			LAB CHEMICALS AND SUPPLIES	67.63	651.33
01/05/2018	95407	00957 WEST YOST & ASSOCIATES	16-S001 - T.O. NO. 2 NOV 4 - DEC 1	24,459.50	24,459.50
01/08/2018	8095	05511 CALIFORNIA STATE	CHILD SUPPORT GARNISHMENT: PAYMENT	690.46	690.46
01/08/2018	10818	03718 HR SIMPLIFIED	IRS 125 2017/2018 POS	5,285.00	5,285.00
01/08/2018	1082018	03718 HR SIMPLIFIED	IRS 125 2017 DCA/POS	462.86	462.86
01/08/2018	607010818	01098 NATIONWIDE RETIREMENT SOLI	NATIONAL DEFERRED COMPENSATION: PAYMENT	77,584.53	77,584.53
01/08/2018	1000993675	00494 PERS	RETIREMENT: PAYMENT	96,709.49	96,709.49
01/09/2018	30490631	00559 EDD - PAYROLL	CALIFORNIA STATE TAXES: PAYMENT	30,374.58	30,374.58
01/09/2018	1374156864	00558 IRS - PAYROLL TAXES	FEDERAL WITHHOLDING TAXES: PAYMENT	163,029.70	163,029.70
01/10/2018	1000993663	01111 CALPERS	JANUARY 2018 - ER CODE 0740 (PERS)	199,343.60	199,343.60
01/10/2018	1000993671	01111 CALPERS	JANUARY 2018 - ER CODE 7316 (NON-PERS)	2,087.57	2,087.57
01/11/2018	95408	00710 AAI TERMITE & PEST CONTROL	12/13/17: DO PEST CONTROL RODENT SERVICE	68.00	68.00
01/11/2018	95409	00031 ALLIED FLUID PRODUCTS CORP	SPARE EXPANSION JOINTS FOR PS 300A	2,619.98	
			MECHANICAL PUMP SHAFT SEAL FOR CHLORINE	220.09	
			O-RINGS & GASKETS FOR EALS PUMPS 1 & 3	103.90	2,943.97

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Date	Check #	Vendor	Description	Amount Paid	Check Total
01/11/2018	95410	01013 BARRETT BUSINESS SERVICES	C. HENDRIX: W/E 12/17/17 A. HARTRICK: W/E 12/17/17 N. POON: WE 12/17/17	409.60 1,024.00 413.44	1,847.04
01/11/2018	95411	07954 BENEFIT COORDINATORS CORP	01/18 - EE LIFE & DISABILITY INSURANCE P	11,160.01	11,160.01
01/11/2018	95412	03806 DAVID BONN	BONN CERT REIMB FOR CWEA LAB ANALYST GRA	190.00	190.00
01/11/2018	95413	00216 DAIOHS U.S.A. INC.	FY 2017 HOT BEVERAGE SERVICE DO- JANUARY	298.57	298.57
01/11/2018	95414	00335 LEVI FULLER	FULLER CERT REIMB FOR WWTP OPERATOR II	60.00	60.00
01/11/2018	95415	00937 GRAINGER, INC.	HOSE ADAPTERS FOR STOCK	170.82	170.82
01/11/2018	95416	04424 GRAYBAR ELECTRIC COMPANY	DERWA: WIRES TO REPULL FIELD CONTROLS FO PLUG-MOLD FOR 4-GAS CHARGERS DERWA: STRAIN RELIEF FOR NEW PLUG PS R1	347.92 177.33 38.45	563.70
01/11/2018	95417	06791 HYLAND SOFTWARE, INC.	REPORTING DASHBOARDS & ANNUAL MAINTENANC	9,166.67	9,166.67
01/11/2018	95418	01242 INFO SEND, INC	MAILING - BILL INSERT WASHER REBATE/4 WA	17.99	17.99
01/11/2018	95419	01171 MCGUIRE & HESTER	RTND MTR#78228023 REFUND FOR METER #78228023	1,859.15 60.57	1,919.72
01/11/2018	95420	00608 OFFICE TEAM	S MONTAGUE: W/E 01/05/18	590.73	590.73
01/11/2018	95421	01403 PRAXAIR DISTRIBUTION INC 186	CYLINDER RENTAL	77.73	77.73
01/11/2018	95422	05026 UNIVAR USA INC.	WWTP DELIVERY SOD HYPO 12.5% 12/19/17 47 WWTP DELIVERY 12-16-17 SOD HYPO 12.5% 47 MINI BULK DELIVERY TO RES 1A 12-18-17 13	2,469.41 2,468.90 383.72	5,322.03
01/11/2018	95423	03831 JACKIE YEE	YEE REIMB EXP FOR DISTRICT VEHICLE	49.32	49.32
01/11/2018	95424	03536 U S BANK/ CORP PMT SYSTEMS	REPLT MICRO-OHMmeter (EXCHANGE PROGRAM) REPLT FIXTURES FOR FOF WAREHOUSE FOOD FOR HOLIDAY LUNCHEON	2,731.55 1,922.72 1,500.00	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			RAS LINE DRAIN VALVE	1,171.56	
			SAFETY GROUNDING JUMPER WITH CANVAS BAG	982.78	
			(2QTY) URINAL FV_DC KIT FOR DO URINALS	977.63	
			GALLARDO - 2017 ANNUAL CALPELRA CONFERENCE	812.52	
			MCINTYRE - 2017 ANNUAL CALPELRA CONFERENCE	803.52	
			ZAVADIL - 2017 ANNUAL CALPELRA CONFERENCE	803.52	
			CARSON - 2017 ANNUAL CALPELRA CONFERENCE	803.52	
			KOEHLER - 2017 ANNUAL CALPELRA CONFERENCE	803.52	
			MCINTYRE - ACWA 2017 FALL CONFERENCE LOD	776.95	
			CALIBRATION AND REPAIR OF EMISSIONS ANAL	739.81	
			BOARD FOR EPS1 VFD	720.00	
			HOTEL - NICOLE GENZALE - LEAGUE CONF	618.93	
			REGISTRATION: J. CARSON CASA CONFERENCE	550.00	
			REGISTRATION GEORGIAN VONHEEDER-LEOPOLD	550.00	
			REGISTRATION MADELYNE MISHELOFF	550.00	
			ATWOOD - 2017 ANNUAL CALPELRA CONFERENCE	535.68	
			STEPHENSON - ACWA 2017 FALL CONFERENCE L	492.55	
			OFFICE SUPPLIES: PAPER, PRINTER CARTRIDG	487.69	
			SPARE FLUORIDE INJECTOR QUILL FOR TURN-O	412.64	
			FLUORIDE INJECTOR FOR TURN-OUT 1	407.64	
			OFFICE SUPPLIES: PLANNERS, CALENDARS, ET	384.82	
			PAINT SUPPLIES - FOD	380.95	
			TOOLS - FOD	356.82	
			MEC MAINT DIV TEAM BUILDING/OFFSITE MEET	336.34	
			BELT & DISC ASSY FOR WALL FAN @ CO-GEN A	301.53	
			TEAM BUILDING	300.00	
			ENG STAFF TRAINING - MASTERING EXCEL PIV	290.00	
			ONLINE JOB POSTING - WATER/WASTEWATER SY	285.00	
			(2QTY) 4SHELF FOR DO STORAGE	281.87	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			CWEA RENEWAL S. ROBERSON	275.00	
			STAPLES - PAPER & BREAKROOM SUPPLIES	262.17	
			ONLINE JOB POSTING - WATER/WASTEWATER SY	249.00	
			STAPLES OFFICE SUPPLIES	235.73	
			LODGING: J. CARSON CASA CONFERENCE (RESE	235.04	
			MISC SUPPLIES-FOD	233.59	
			FORKLIFT TRAINING MATERIAL	232.86	
			(3QTY) FLAME-RESISTANT LS T-SHIRT FOR BL	219.56	
			LODGING: J. CARSON CASA CONFERENCE (RESE	209.31	
			HOTEL FOR CASA - MADELYNE MISCHELOFF -FI	209.31	
			HOTEL - GEORGEAN VONHEEDER-LEOPOLD- FIRS	209.31	
			FOD SUPPLIES	205.40	
			CA EMPLOYMENT LAW POSTERS	203.72	
			ONLINE JOB POSTING - WATER/WASTEWATER SY	200.00	
			JBAGAKIS: WORK SHOES/BOOTS	200.00	
			HOLIDAY LUNCH CATERER-DEPOSIT	200.00	
			MEETING REGISTRATION "MASTERING ONENOTE	199.00	
			MATLS/SUPPLIES FOR WWTP PIPE REPAIR	198.29	
			2017 CALPELRA CONFERENCE MEAL (DINNER 12	198.00	
			HOLIDAY TREES FOR DO & FOF	195.54	
			DIV 56 HOLIDAY TEAM BUILDING OFFSITE	195.46	
			DERWA: REBUILD KIT FOR WATER SOLENOID VA	189.95	
			AIRFARE: J. CARSON CASA CONFERENCE	186.40	
			PORT REPLICATOR FOR FOD SCADA PROGRAMMIN	185.71	
			QTY (1) BATPOWER EXTERNAL BATTERY FOR JE	184.63	
			RRAMOS: MEMBERSHIP RENEWAL, EXP 01/31/18	180.00	
			TSTODDARD: MEMBERSHIP RENEWAL, EXP 01/31	180.00	
			CWEA RENEWAL A. ORTEGA	180.00	
			QTY (2) UAG SURFACE CASE, (2) MS 2000 WI	179.46	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			ONLINE JOB POSTING - WATER/WASTEWATER SY	175.00	
			LAB AIR PURIFIER/FILTER	173.75	
			30 DAY SUBSCRIPTION - PHOTOS FOR CITIZEN	171.00	
			LUNCH FOR BOND REUNDING MEEITNG 11-20-20	170.09	
			RED A141 "ELECTRICIANS" LOCKS FOR LOCK-O	169.69	
			1 SINGLE DOMAIN SSL CERT -3 YR VPN.DSRS	167.97	
			(2QTY) FLAME-RESISTANT PANTS FOR BLOHMAN	163.85	
			FUEL FOR TRUCK #109	150.00	
			SUPPLIES FOR CLEANING PSR1 WETWELL	149.26	
			PLYWOOD FOR LANDSCAPE REPAIRS	141.89	
			DRINKS AND DESSERTS FOR HOLIDAY LUNCHEON	140.69	
			MISC SUPPLIES FOR FOD	140.39	
			OFFICE SUPPLIES: CALENDARS, WRITING TABL	136.79	
			FUEL FOR TRUCK #110	130.00	
			LIGHTS FOR TRUCK #110 ON-CALL TRUCK	128.81	
			(2QTY) SOLENOID VALVE ASSY FOR DO URINAL	126.56	
			TORCH KIT FOR UNIT #113; LAVWMA: PAINT S	126.39	
			SUPPLIES FOR EXEC AND FINANCE	125.49	
			CWEA S. ROBERSON WORKSHOP 1/10/17 SACRAM	125.00	
			QTY (1) DELL LAPTOP BATTERY FOR LINO LAN	122.36	
			FUEL FOR TRUCK #110	120.00	
			MISC SUPPLIES FOR FOD	118.44	
			THERMAL CASH REGISTER TAPE	118.43	
			SOUTHWEST S. DELIGHT CASA	115.97	
			FUEL FOR TRUCK #110	115.00	
			COSTCO - RENEE OLSEN RETIREMENT PARTY	112.71	
			OFFICE SUPPLIES: FILLER PAPER, DIVIDERS,	107.44	
			STAPLES OFFICE SUPPLIES - PAPER & NOTEPA	107.22	
			DISTRICT RETIREMENT GIFT CARD FOR RENEE	100.00	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			FUEL TRUCK #110	100.00	
			FUEL FOR TRUCK #110	100.00	
			FUEL	100.00	
			GYMANTIC 3B GHT & FILTER FOR PRESSURE WA	98.00	
			CHAIN SAW PARTS	97.17	
			(2QTY) TOILET SEAT FOR BLDG A 2ND FLR LA	96.10	
			PPE: RAINCOAT FOR E. GUTIERREZ	95.89	
			ADMIN SERVICES MANAGERS MEETING	94.75	
			DERWA: SPARE MEMORY CHIPS FOR MF VFDS	93.82	
			SUPPLIES FOR MEETING AND HOLIDAY PARTY	92.73	
			BREAK ROOM SUPPLIES	92.21	
			FUEL FOR TRUCK #109	90.00	
			RBROUGH: MT-2 CERTIFICATE RENEWAL, EXP 0	90.00	
			NEW HIRE LUNCH WITH ILOPEZ & MDELA ROSA	86.42	
			OPS SUPS LUNCH MEETING 12-7-17	86.10	
			CWEA RENEWAL FOR E. PADILLA	85.00	
			QTY (3) INSIGNIA MINI DISPLAY PORT TO VG	81.89	
			HYDRAULIC FITTINGS	81.51	
			QTY (1) MS 2000 WIRELESS KB AND MOUSE FO	81.26	
			AUTOMOTIVE LIFT TRAINING FOR 5 EE	80.00	
			ONLINE JOB POSTING (CONSTRUCTION INSPECT	80.00	
			OFFICE SUPPLIES: PAPER, STAMP, ETC.	72.24	
			SUPPLIES FOR FOD	70.68	
			WALL CALENDARS	70.13	
			APPRAISAL BOARD NAME PLATE INSERTS	67.92	
			NEW HIRE LUNCH	67.72	
			FOD SUPPLIES: 4 1000 LUMENS	65.36	
			OFFICE SUPPLIES - BATTERIES FOR DO	65.03	
			RESTRICTED AREA SIGNAGE (WWTP)	64.23	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			NUT SPLITTERS FOR SHOP USE	63.86	
			MAP GAS TORCH FOR MOTOR CONNECTION HEAT	63.31	
			SUPPLIES: RETIREMENT RENEE OLSON & DO SU	60.85	
			OFFICE SUPPLIES: CALENDARS, ETC	58.89	
			SNACKS FOR MOU SIGNINGS	58.78	
			FUEL FOR TRUCK #119-FOD	57.50	
			OFFICE SUPPLIES FOR ENGINEERING	56.79	
			FURNSTRAP & HOOKS FOR SHELVES @ DO ATTIC	55.00	
			GENERATOR PARTS	53.90	
			ENGINEERING TECH-GIS SPECIALIST APPRAISA	53.68	
			QTY (3) KINGDO SURFACE PRO CAR CHARGERS	50.97	
			UNIFORM JACKET - DANNY LEONARDO (LESS	50.32	
			FUEL FOR TRUCK #119	50.21	
			WEBINAR - FIVE THINGS YOU NEED TO KNOW A	50.00	
			MCINTYRE - ACWA 2017 FALL CONFERENCE AIR	49.15	
			TOOLS FOR 3-WATER PUMP MOTOR & REPLTS	48.68	
			LAWWMA: BOLTS FOR PUMPS	48.18	
			SHOP SUPPLIES	43.63	
			GRAINGER APPROVED HAND STAMP	42.88	
			OFFICE SUPPLIES	41.38	
			SHOP SUPPLIES	40.31	
			1 YEAR RENEWAL FOR IPSWITCH WSFTP PROGRA	39.95	
			RIGGING FOR INSTALLING BARSCREEN LIGHTS	39.43	
			INLET FILTER KIT FOR PRESSURE WASHER	38.13	
			(2QTY) SOLENOID FOR DO BATHROOM URINAL	37.85	
			MEETING TO DEVELOP MANAGEMENT RETREAT AG	36.71	
			STEPHENSON - ACWA 2017 FALL CONFERENCE M	36.47	
			DECORATIONS FOR HOLIDAY LUNCHEON	36.45	
			QTY (1) MICROSOFT 2000 WIRELESS KB AND M	35.12	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			EDWARD DUARTE REGISTRATION FOR STATE OF	35.00	
			DAN MCINTYRE REGISTRATION STATE OF THE C	35.00	
			CAROL ATWOOD - STATE OF THE CITY SAN RAM	35.00	
			ATWOOD SUBSCRIPTION DEC 2017	34.89	
			POWER BANK/PORTABLE CHARGER	33.99	
			TUBE CUTTER FOR UNIT #117	32.76	
			QTY (1) UAG IPAD PRO 12.9 RUGGED COVER F	32.72	
			(9.633G) REG UNL GAS FOR UNIT #92	32.36	
			ONLINE JOB POSTING (CONSTRUCTION INSPECT	32.00	
			BATTERIES FOR FOD	31.66	
			LOWES	31.60	
			PAPER TOWELS	30.44	
			PROCLIP CENTER MOUNT	29.99	
			PRO SUBSCRIPTION (DECEMBER 2017)	29.00	
			TABLE COVERS & CANDY FOR HOLIDAY LUNCHEO	28.50	
			LAWWMA: O-RINGS FOR ARI ARVS	28.35	
			FOD SUPPLIES	28.31	
			SAFETY COMMITTEE EOY TEAM BUILDING	27.82	
			QTY (1) CAR CHARGER FOR SURFACE, QTY (1)	27.14	
			TABLE COVERS FOR HOLIDAY LUNCHEON	25.17	
			FUEL FOR TRUCK #108	25.00	
			QTY (1) BELKIN IPHONE CAR CHARGER SARGIO	24.57	
			STRING LINE	24.47	
			PARKING	24.00	
			MCINTYRE - ACWA 2017 FALL CONFERENCE TRA	23.36	
			TOOLS FOR TRUCK #110: METRIC SOCKET SET	22.91	
			CAMERA TRIPOD SCREW ADAPTERS	21.44	
			REFERENCE BOOK FOR SUPERVISORS	20.70	
			GALLARDO - 2017 ANNUAL CALPELRA CONFEREN	20.42	

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			ZAVADIL - 2017 ANNUAL CALPELRA CONFERENCE	19.90	
			STEPHENSON - ACWA 2017 FALL CONFERENCE T	19.60	
			CARSON - 2017 ANNUAL CALPELRA CONFERENCE	19.48	
			HARDWARE FOR NEW GOLF CARTS	17.72	
			HOSE BIB	17.43	
			TABLE COVERS, CUTLERY & CANDY CANES	16.58	
			GAUGE COVER FOR CO-GEN OIL TANK	15.84	
			LAWWMA: REPAIR FITTINGS FOR SLSS BACK FL	15.36	
			HARDWARE FOR NEW GOLF CARTS	15.21	
			SUPPLIES FOR FOD	14.19	
			REPLT BATTERY FOR DISTRICT CELL PHONE	13.10	
			QTY (1) 16GB CRUZERGLIDE FLASH DRIVE, QT	13.09	
			PARKING FOR LEVI - CITY OF SACRAMENTO	12.00	
			KOEHLER - 2017 ANNUAL CALPELRA CONFERENCE	11.23	
			FOD SUPPLIES	9.21	
			DERWA: TUBE FOR DRAIN LINE IN MF SERVICE	7.64	
			OFFICE SUPPLIES	6.54	
			WWSO I-IV APPRAISAL BOARD EXPENSE	5.98	
			POLICE REPORT	5.00	
			NETWORK SOLUTIONS PREMIUM DNS	4.99	
			RED TAPE	4.35	37,992.24
01/11/2018	95425	00019 A-1 ENTERPRISES	LAWWMA NOV 17 STREET SWEEPING	220.00	220.00
01/11/2018	95426	01482 AAA LOCKSMITHS	SPARE KEYS FOR CRANE	17.04	17.04
01/11/2018	95427	08166 AMERICAN PAVEMENT SYSTEMS	REFUND FOR METER #65495587	790.11	790.11
01/11/2018	95428	00058 ARROWHEAD MOUNTAIN SPRINGS	FOD WATER DELIVERY 11/17/17-12/16/17 10	250.92	250.92
01/11/2018	95429	00058 ARROWHEAD MOUNTAIN SPRINGS	OPS BOTTLED WATER - BLDG T DEC' 17	19.64	19.64
01/11/2018	95430	00058 ARROWHEAD MOUNTAIN SPRINGS	LAWWMA BOTTLED WATER DEC' 17	8.73	8.73

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01/11/2018	95431	06211 ASSOCIATED SERVICES CO.	OPS DEPT HOT BEVERAGE SERVICE 3 CASES PR	77.95	77.95
01/11/2018	95432	00622 AT&T	LAWWMA PS PHONE & DSL DEC' 17	350.99	350.99
01/11/2018	95433	06389 BAY AREA GOLF & INDUSTRIAL \	CUSHMAN HAULER 800X 48V ELECTRIC CART	7,405.57	7,405.57
01/11/2018	95434	00091 BOLD, POLISNER, MADDOW, NEI	MONTHLY LEGAL SERVICES - 12/2017	8,710.00	8,710.00
01/11/2018	95435	01720 CALIFORNIA TRENCHLESS, INC.	16-S019 RELEASE RETENTION/PERMIT FEES	13,141.01	13,141.01
01/11/2018	95436	00105 CAL-STEAM	DERWA: (2QTY) COUPLING FOR PS R1	99.64	
			TOOLS: METAL TAPS	82.47	182.11
01/11/2018	95437	08382 DAVID CATANIA	REFUND FOR 6723 POPLAR WAY	247.16	247.16
01/11/2018	95438	00136 CDW GOVERNMENT INC.	CISCO AIRONET 1542I & PRIME INFRASTRUCTU	2,765.10	
			CISCO AIRONET 1542I & PRIME INFRASTRUCTU	2,438.10	
			VMWARE ADD ON	535.59	5,738.79
01/11/2018	95439	08383 CHEMMEEN GROUPS LLC	REFUND FOR 7150 VILLAGE PKY	15.81	15.81
01/11/2018	95440	08390 CHING CHUNG	REFUND FOR 3406 AMARYLLIS CIR	126.47	126.47
01/11/2018	95441	07482 CITY CLERK'S ASSOC. OF CA	2018 CCAC RENEWAL APPLICATION	290.00	290.00
01/11/2018	95442	01167 CITY OF DUBLIN	ENCROACHMENT PERMIT 12/12/17 TASSAJRA RD	518.00	518.00
01/11/2018	95443	04820 COASTAL IGNITION & CONTROL\	(32QTY) CHAMPION SPARK PLUG FOR CO-GEN	700.96	700.96
01/11/2018	95444	08389 MELISSA COBB	REFUND FOR 5863 HILLBROOK PL	36.37	36.37
01/11/2018	95445	00014 COUNTY OF ALAMEDA	FY 2017 FUELING - FOD/INSP/CFRS - NOV. 2	2,946.14	2,946.14
01/11/2018	95446	01633 CPS HUMAN RESOURCE SVCS	MAINTENANCE WORKER RECRUITMENT TEST MATE	819.50	819.50
01/11/2018	95447	05534 CSAC EXCESS INS. AUTHORITY	EE ASSISTANCE: JANUARY - MARCH 2018 CHAR	992.34	992.34
01/11/2018	95448	00208 CSRMA	POOLED LIABILITY PROGRAM RENEWAL 2017 (1	189,833.00	189,833.00
01/11/2018	95449	01264 DE SILVA GATES	REFUND FOR METER #65492099	507.78	
			REFUND FOR METER #1581743	507.78	

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Date	Check #	Vendor	Description	Amount Paid	Check Total
			REFUND FOR METER#65615503	507.78	1,523.34
01/11/2018	95450	01559 EATON CORPORATION	LAWWMA: PS BREAKERS UPGRADE TO ELECTRONI	20,209.38	
			POWERNET/POWERXPERTS ON-SITE TECH SUPPOR	2,169.00	22,378.38
01/11/2018	95451	00280 ECOWATER SYSTEMS	OPS SOFTENER EXCHANGE TANK SERVICE: 1/01	238.20	238.20
01/11/2018	95452	02656 FASTENAL COMPANY	BOLTS & NUTS FOR FOD CART REPAIR	20.24	20.24
01/11/2018	95453	00313 FASTSIGNS	FROSTED LOGO/SIGN FOR THE LAB	271.69	271.69
01/11/2018	95454	00314 FEDEX	WWTP: OVERNIGHT DELIVERY CHARGES DEC-27-	26.45	26.45
01/11/2018	95455	00352 GOLDEN STATE FLOW MEASURE	GSFM - TRANSPONDERS	42,771.38	
			METER REPAIR - SN 77063304	80.29	
			CREDIT FOR TRADE-IN VARIOUS SIZE METERS	-3,020.05	39,831.62
01/11/2018	95456	08388 KANNAPIRAN GOVARDHANAN	REFUND FOR 3409 BRAMANTE LN	23.54	23.54
01/11/2018	95457	06840 NA GUO	REFUND FOR 1114 AMARYLLIS CIR	180.43	180.43
01/11/2018	95458	00368 HACH COMPANY	FOD CHEMKEY, 25 PIECE COPPER + FRT	99.01	
			CHEMKEY 25 PIECE, HARDNESS, HIGH RANGE	24.86	123.87
01/11/2018	95459	03149 HDS WHITE CAP CONST SUPPLY	MARKING SPRAY FOR REPAIRS	545.51	
			MISC PARTS FOR MARKING AND REPAIRS	43.75	589.26
01/11/2018	95460	04747 HOSE AND FITTINGS	LAWWMA: HOSE FITTINGS FOR PUMPS 8 & 10	267.70	267.70
01/11/2018	95461	08392 ZIQING HUANG	REFUND FOR 809 THAYER CT	426.57	426.57
01/11/2018	95462	00422 INDEPENDENT CONSTRUCTION	RTND MTR#78228018	1,924.45	1,924.45
01/11/2018	95463	01376 J & M INC	REFUND FOR METER #64833103	1,862.97	1,862.97
01/11/2018	95464	07481 J.N. ABBOTT DISTRIBUTOR, INC.	CO-GEN OIL: (458QTY) D-A BLUE FLAME HB5	4,743.46	4,743.46
01/11/2018	95465	04873 KIMBALL MIDWEST	LEVER ACTION WIRE NUTS FOR 3WATER STRAIN	286.51	286.51
01/11/2018	95466	00509 LIEBERT CASSIDY WHITMORE	GENERAL LEGAL FEES (11/17)	3,140.50	3,140.50

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01/11/2018	95467	07614 MAHLER CONSULTING SERVICE	2017-2018 DEVELOPMENT PROJ DEC 1 - 15	21,900.00	21,900.00
01/11/2018	95468	07264 MANPOWERGROUP US INC.	M. ZAKLAN: WE 12/17/17	448.54	448.54
01/11/2018	95469	00536 MC MASTER-CARR SUPPLY CO.	DERWA: PUMP FOR MF SAMPLE LINE CREDIT: DERWA - WRONG ITEM DELIVERED FRO	489.36 -479.16	10.20
01/11/2018	95470	01272 MCH ELECTRIC	REFUND FOR METER #65495576	787.51	787.51
01/11/2018	95471	05897 MERIT RESOURCE GROUP	A. MCCAFFERY: WE 12/17/17	1,675.00	1,675.00
01/11/2018	95472	04231 MSC INDUSTRIAL SUPPLY CO	TOOLS FOR (2) NEW MECHANICS	4,312.23	4,312.23
01/11/2018	95473	04796 NAPA AUTO PARTS	PARTS FOR TRUCK #63	282.35	282.35
01/11/2018	95474	08391 ANDRE NIDENS	REFUND FOR 2257 KEATS LN	209.51	209.51
01/11/2018	95475	00620 P G & E	WWTP ELECTRICITY - DEC 2017 DISTRICT OFFICE ELECTRICITY - DEC 2017 PUMP STATION R200B ELEC - JAN 2018 DISTRICT OFFICE GAS SERVICE - DEC 2017 DEPARTING LOAD NON-BYPASSABLE CHARGES DO UTILITY BUILDING ELEC - DEC 2017 RESERVOIR R100 ELEC - JAN 2018 DO UTILITY BUILDING GAS SVC - DEC 2017 ALAMO TRUNK SEWER ELEC - DEC'17 JOHNSON DRIVE STREETSCAPE ELEC - DEC 201	17,738.75 3,968.70 1,354.51 1,252.74 687.41 106.35 32.07 28.75 13.86 12.26	25,195.40
01/11/2018	95476	08384 CHRISTOPHER PASCENTE	REFUND FOR 5429 IRON HORSE PKWY	91.16	91.16
01/11/2018	95477	08381 THOMAS PEARSON	REFUND FOR 6808 EDEN ST	199.56	199.56
01/11/2018	95478	07405 PERCHAK PROPERTIES	REFUND FOR 3015 BLACKBERRY AVE	88.28	88.28
01/11/2018	95479	04211 PLATT ELECTRIC SUPPLY	(2QTY) REPLT BATTERY FOR HAND TOOLS THERMAL MOTOR OVERLOAD PROTECTION FOR LS THERMAL MOTOR OVERLOAD PROTECTION FOR LS	325.57 84.07 84.07	

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			THERMAL MOTOR OVERLOAD PROTECTION FOR LS	84.07	
			CTRL XFMR FOR 3-WATER STRAINER NEW BALL	41.81	619.59
01/11/2018	95480	00663 PLEASANTON GARBAGE SVC IN	WWTP:TRANSPORT OF SOLIDS/GRIT SCREENINGS	4,826.16	
			FOD GARBAGE SERVICE DEC' 17	480.43	5,306.59
01/11/2018	95481	05475 PRESIDIO SYSTEMS, INC.	ON-CALL CCTV INSPECTION- TASSAJARA HILLS	3,052.80	
			ON-CALL CCTV INSPECTION SVCS - SCHAFER	646.40	3,699.20
01/11/2018	95482	07727 PURE HEALTH SOLUTIONS, INC.	OPS WATER FILTRATION SYSTEM - 2 WATER UN	131.10	131.10
01/11/2018	95483	00731 RYAN HERCO PRODUCTS CORP	CHEMICAL HOSE FOR RAS HYPO INJECTION LIN	421.65	
			PLUMBING PARTS FOR RAS HYPO INJECTION LI	80.75	502.40
01/11/2018	95484	04698 SAMPLE TRAPS, LLC	LAB SUPPLIES	170.43	170.43
01/11/2018	95485	00825 SWRCB	LAND TREATMENT UNIT (LTU) ANNUAL PERMIT	14,929.00	
			COLLECTION SYSTEM ANNUAL PERMIT FEES FYE	11,195.00	
			WATER SYSTEM ENFORCEMENT FEES	835.00	26,959.00
01/11/2018	95486	08386 ANNA TIAN RICHARDS	REFUND FOR 2122 AVANTI AVE	251.98	251.98
01/11/2018	95487	00696 TRAVERSO'S WORK SHOE HQ	SAFETY SHOES S. SARGIOTIO	200.00	
			SAFETY SHOES FOR K. BAXTER FOD	200.00	400.00
01/11/2018	95488	01806 U.S. BANK	TRUSTEE FEE 11/01/17 - 10/31/18 (2011 SW	850.00	850.00
01/11/2018	95489	00933 VWR INTERNATIONAL, INC.	NITRIC ACID HIGH PURITY	857.00	
			LAURYL TRYPTOSE BROTH	301.82	
			E.COLI, S.AUREUS	194.14	
			CONDUCTIVITY STD 100,10 UMHO	68.22	1,421.18
01/11/2018	95490	00946 WATEREUSE ASSOCIATION	SPONSORSHIP - WATEREUSE CA ANNUAL CONFER	500.00	500.00
01/11/2018	95491	04061 WAXIE SANITARY SUPPLY	JANITORIAL SUPPLIES	1,905.27	
			JANITORIAL SUPPLIES	164.44	
			JANITORIAL SUPPLIES: BOUNCE FABRIC SOFT	53.95	2,123.66

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01/11/2018	95492	08385 JINGYI WEI	REFUND FOR 3983 DOBBINS LOOP	135.00	135.00
01/11/2018	95493	00957 WEST YOST & ASSOCIATES	17-P004 TO NO. 1 11/4/17 - 12/1/18	76,224.48	
			16-R018 TO NO. OC-6 11/4/17 - 12/1/17	3,520.00	
			16-R018 TO NO. OC-7 11/4/17 - 12/1/17	870.50	80,614.98
01/11/2018	95494	08387 CRISTINA YIP	REFUND FOR 3352 BRAMANTE LN	57.98	57.98
01/16/2018	1162018	03718 HR SIMPLIFIED	IRS 125 2017 & 2018 DCA/FSA/POS	6,161.57	6,161.57
01/19/2018	95495	01013 BARRETT BUSINESS SERVICES	A. HARTRICK: W/E 12/24/17	998.40	
			N. POON: WE 12/24/17	380.80	1,379.20
01/19/2018	95496	03614 CAROLLO ENGINEERS INC.	07-3203 TO NO. 2 E 10/1/17 - 10/31/17	32,014.00	
			16-R014 TO NO. OC-12 11/1/17 - 11/30/17	13,994.00	46,008.00
01/19/2018	95497	00249 DLT SOLUTIONS LLC.	AUTODESK AUTOCAD MAINTENANCE RENEWAL 2/1	3,433.78	3,433.78
01/19/2018	95498	00249 DLT SOLUTIONS LLC.	SOLARWINDS NETWORK PERFORMANCE MONITOR S	1,133.75	1,133.75
01/19/2018	95499	00937 GRAINGER, INC.	THERMA LEVEL GAUGE FOR RES 1A	257.96	
			HOSE WASHERS FOR STOCK	1.71	259.67
01/19/2018	95500	04424 GRAYBAR ELECTRIC COMPANY	DERWA: CORD ENDS FOR PS R1 WET WELL DEWA	269.07	269.07
01/19/2018	95501	03976 JMB CONSTRUCTION, INC	16-A002 PP 3 NOV 1 - NOV 30	153,648.25	153,648.25
01/19/2018	95502	01171 MCGUIRE & HESTER	FOD SERVICE LEAK, HYDRANT, AND METER REP	170,672.82	170,672.82
01/19/2018	95503	00608 OFFICE TEAM	S MONTAGUE: W/E 01/12/18	712.95	712.95
01/19/2018	95504	04973 NATERCIA SAUCEDA	CASE ID FL364781: PAYMENT	111.23	111.23
01/19/2018	95505	00762 TESTAMERICA LABORATORIES I	LAB ANALYSES	26.50	26.50
01/19/2018	95506	08340 AIR FILTER SUPPLY, INC.	AIR FILTERS FOR PLANT AIR HANDLERS	971.58	971.58
01/19/2018	95507	05022 ALCO EMA, TREASURER	ALCO EMA MEMBERSHIP 7/1/17-6/30/2018	50.00	50.00
01/19/2018	95508	05979 ALL CRANE TRAINING USA, INC.	R BAKER: MOBILE CRANE PRACTICAL EXAM FEE	1,270.00	1,270.00

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01/19/2018	95509	03035 ALPHA ANALYTICAL LABS INC	SAMPLE ANALYSES	515.00	515.00
01/19/2018	95510	01076 ALSCO INC	WWTP TOWEL & MAT SERVICE DEC' 17	452.33	
			FOD TOWEL & MAT SERVICE DEC' 17	448.75	
			DO TOWEL & MAT SERVICE DEC' 17	153.44	1,054.52
01/19/2018	95511	02158 AMADOR VALLEY INDUSTRIES	DO GARBAGE SVC FOR DECEMBER 2017	363.06	363.06
01/19/2018	95512	00058 ARROWHEAD MOUNTAIN SPRING	LAWWMA BOTTLED WATER JAN' 18	17.46	17.46
01/19/2018	95513	00622 AT&T	AT&T VIOP SERVICE 12/1/17 - 12/31/17	100.82	
			AT&T VIOP SERVICE12/1/17 - 12/31/17	97.33	198.15
01/19/2018	95514	01697 B & C TRUCK PARTS, INC	TRANSFER PUMP FOR FLEET	409.15	409.15
01/19/2018	95515	05097 BATTERIES PLUS	REPLT BATTERIES FOR OPS UPS	274.65	274.65
01/19/2018	95516	02111 DBA PROVIDENCE PUBLICATIONS	CAL-OSHA REPORTER RENEWAL 4/2018-4/2019	395.00	395.00
01/19/2018	95517	01085 CALPERS LONG-TERM CARE PR	LONG-TERM CARE: PAYMENT	68.12	68.12
01/19/2018	95518	00105 CAL-STEAM	DERWA: FITTINGS FOR PS R1 COMPRESSOR FIL	85.30	
			PVC COUPLINGS FOR RAS LINE SECONDARY CON	12.31	97.61
01/19/2018	95519	00118 CALTEST ANALYTICAL LAB	LAB ANALYSES	184.30	184.30
01/19/2018	95520	00130 CASA	07-3201 BAY AREA BIOSOLIDS MEMBERSHIP JA	8,250.00	8,250.00
01/19/2018	95521	00136 CDW GOVERNMENT INC.	CISCO AIRONET 1542I & PRIME INFRASTRUCTU	25,241.95	25,241.95
01/19/2018	95522	01973 CROMER EQUIPMENT	FLEET - FORKLIFT 520E SERVICE	225.42	225.42
01/19/2018	95523	02656 FASTENAL COMPANY	PPE: BLDG S VENDING MACHINE RESTOCK -	256.88	
			PPE: COMMERCE CIRCLE VENDING MACHINE RE	90.08	
			PPE: COMMERCE CIRCLE VENDING MACHINE RE	60.33	
			PPE: COMMERCE CIRCLE VENDING MACHINE RE	51.05	
			AMMONIA RESPIRATOR CARTRIDGES	36.17	
			FORKLIFT INSPECTION TAGS	17.46	511.97

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01/19/2018	95524	02656 FASTENAL COMPANY	PPE: BLDG S VENDING MACHINE RESTOCK-	125.95	125.95
01/19/2018	95525	02914 STATE OF CALIFORNIA FRANCHI	FRANCHISE TAX BOARD: PAYMENT	150.00	150.00
01/19/2018	95526	00368 HACH COMPANY	BUFFER SOLUTION	43.45	43.45
01/19/2018	95527	06083 J CHEN PROPERTIES	REFUND FOR 6571 TRALEE VILLAGE DR	188.97	188.97
01/19/2018	95528	06166 KBA	COPIER FOD/ENGR/MAINT 12/1/17 - 12/31/17	413.51	413.51
01/19/2018	95529	02353 KELLY-MOORE PAINT CO., INC.	PAINTS FOR WWTP	1,239.16	1,239.16
01/19/2018	95530	08378 KNOWBE4 INC.	SECURITY AWARENESS TRAINING 3 YEAR SUBSC	4,626.72	4,626.72
01/19/2018	95531	08235 LONE STAR BLOWER	LEVEL 2 SERVICE FOR (3QTY) TURBLEX BLOWE	33,951.00	33,951.00
01/19/2018	95532	07614 MAHLER CONSULTING SERVICE	2017-2018 DEVELOPMENT PROJECT - 11/16/17	8,760.00	8,760.00
01/19/2018	95533	07264 MANPOWERGROUP US INC.	M. ZAKLAN: WE 12/24/17	382.90	382.90
01/19/2018	95534	05897 MERIT RESOURCE GROUP	A. MCCAFFERY: WE 12/17/17	1,356.75	1,356.75
01/19/2018	95535	04231 MSC INDUSTRIAL SUPPLY CO	PPE: EARMUFFS, HARDHATS	517.69	517.69
01/19/2018	95536	04796 NAPA AUTO PARTS	HYDRAULIC FILTER FOR KAESER AND PLANT AI FLEET-STOCK ORDER VEHICLE #64 TRIM TAPE TRUCK #64 TRIM TAPE VEHICLE #27 LIGHT MOUNT VEHICLE #27 BULB	378.97 94.30 18.29 13.89 9.31 4.59	519.35
01/19/2018	95537	00620 P G & E	LAWWMA PS FEEDER A DEC '17 MISC PUMP STNS; DUB LIFT STN; COMM CIR E FSL AERATORS; LAB HVAC; FLEET - DEC 2017 LAWWMA PIPELINE & LIVERMORE LINE JAN '18	102,645.15 17,794.67 2,205.17 497.89	123,142.88
01/19/2018	95538	02564 PIPE USERS GROUP	PUG REGISTRATION: A. JOHNSON   S. DELIGH	450.00	450.00
01/19/2018	95539	05543 ADMINISTRATORS (PBIA) PREFE	JANUARY 2018 - DENTAL	22,168.60	22,168.60

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01/19/2018	95540	02466 RICOH AMERICAS CORP	COPIER LEASES WWTP/DO ACCOUNTING/DO MAIL	91.52	91.52
01/19/2018	95541	06345 RON DUPRATT FORD	VEHICLE #63 REPAIR PARTS	460.55	
			VEHICLE #27 BRAKES	433.64	
			VEHICLE #105 BRAKES	404.14	1,298.33
01/19/2018	95542	05841 SABAH INTERNATIONAL, INC.	EALS (BLDG E) FACP REPLACEMENT PROJECT -	3,990.00	3,990.00
01/19/2018	95543	08195 SAN DAMIANO RETREAT	MANAGEMENT RETREAT 1/10/18 & 1/12/18	1,703.00	1,703.00
01/19/2018	95544	00756 SECURITY ETC.	COMMERCE CIRCLE FACP: SERVICE CALL 12/2	435.00	
			FACP MONITORING - COMMERCE CIRCLE Q3	165.00	600.00
01/19/2018	95545	02350 SIMPLEX GRINNELL	COMMERCE CIRCLE FACP MONITORING - FINAL	37.08	37.08
01/19/2018	95546	00800 STATE BOARD OF EQUALIZATIOI	2017 4TH QRT USE TAX RETURN (2Q FY 2018)	466.00	466.00
01/19/2018	95547	00825 SWRCB	WATER SYSTEM ANNUAL FEES FYE 2018	45,414.85	45,414.85
01/19/2018	95548	01222 UNITED STATES TREASURY	GARNISHMENT - IRS: PAYMENT	420.50	420.50
01/19/2018	95549	00556 UNITED WAY OF THE BAY AREA	UNITED WAY: PAYMENT	207.40	207.40
01/19/2018	95550	00912 VALLEY CARE HEALTH SYSTEM	PRE-EMPLOYMENT PHYSICAL/DRUG SCREEN	369.00	369.00
01/19/2018	95551	00943 WATER EDUCATION FOUNDATIO	WATER EDUCATION FOUNDATION - 2018 CONTR	1,600.00	1,600.00
01/19/2018	95552	00957 WEST YOST & ASSOCIATES	16-R014 - TASK ORDER NO. OC-10 11/4/17 -	1,075.00	
			LAWWMA ENG SERVICES - PUMP PURCHASE	890.00	1,965.00
01/19/2018	95553	00987 ZONE 7 WATER AGENCY	DECEMBER 2017 CONNECTION FEES	3,198,540.20	3,198,540.20
01/22/2018	8098	05511 CALIFORNIA STATE	CHILD SUPPORT GARNISHMENT: PAYMENT	690.46	690.46
01/22/2018	1222018	03718 HR SIMPLIFIED	IRS 125 2017 & 2018 POS	769.18	769.18
01/22/2018	607012218	01098 NATIONWIDE RETIREMENT SOLI	NATIONAL DEFERRED COMPENSATION: PAYMENT	51,450.14	51,450.14
01/22/2018	1001001784	00494 PERS	RETIREMENT: PAYMENT	97,185.08	97,185.08
01/23/2018	15065635	00558 IRS - PAYROLL TAXES	FEDERAL WITHHOLDING TAXES: PAYMENT	147,093.98	147,093.98

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01/23/2018	2103231552	00559 EDD - PAYROLL	CALIFORNIA STATE TAXES: PAYMENT	30,511.55	30,511.55
01/25/2018	95554	00710 AAI TERMITE & PEST CONTROL	LAWWMA PEST CONTROL JAN 18	74.00	74.00
01/25/2018	95555	07499 MAYETTE BAILEY	BAILEY REIMB EXP AT ADVANCED PUBLIC FUND	481.67	481.67
01/25/2018	95556	01013 BARRETT BUSINESS SERVICES	A. HARTRICK: W/E 12/31/17	768.00	
			J. HAYES: WE 12/31/17	281.91	
			N. POON: WE 12/31/17	239.36	1,289.27
01/25/2018	95557	06176 BAY VALVE SERVICE & ENG'G LL	05-3103: FSL VALVE AND ACTUATOR REHAB/RE	73,795.10	73,795.10
01/25/2018	95558	00103 C. OVERAA & CO.	16-R014 PP11 DEC 1 - DEC 31	631,012.25	631,012.25
01/25/2018	95559	03614 CAROLLO ENGINEERS INC.	16-A002 TO NO. 0C-10 12/1/17 - 12/31/17	26,009.01	
			12-P003 TO NO. OC-1112/1/17 - 12/31/17	1,600.00	27,609.01
01/25/2018	95560	01623 EAST BAY DISCHARGERS AUTH	O&M ASSESSMENT - JANUARY 1, 2018 QTR	174,076.72	174,076.72
01/25/2018	95561	04424 GRAYBAR ELECTRIC COMPANY	REPLT BALLASTS FOR SOF SHOP AREA	313.90	
			LIMIT SWITCHES FOR AMIAD 3-WATER STRAINE	112.84	426.74
01/25/2018	95562	00362 GSE CONSTRUCTION CO., INC.	07-3203 PP 5 DEC 1 - DEC 31	361,363.30	361,363.30
01/25/2018	95563	01242 INFO SEND, INC	UB BILLING PRINTING/MAILING SERVICES 1/0	1,988.37	
			UB BILLING PRINTING/MAILING SERVICES 12/	385.09	2,373.46
01/25/2018	95564	08121 INSITUFORM TECHNOLOGIES, L	REFUND FOR METER#78228008	1,461.37	1,461.37
01/25/2018	95565	03976 JMB CONSTRUCTION, INC	16-A002 PP 4 DEC 1 - DEC 31	67,958.25	67,958.25
01/25/2018	95566	01115 AARON JOHNSON	JOHNSON REIMB EXP AT ESRI CONFERENCE 01/	193.52	193.52
01/25/2018	95567	01416 MANCO	REPLT FLOW METER FOR TURN-OUT #1	9,160.81	9,160.81
01/25/2018	95568	04594 MCCAMPBELL ANALYTICAL INC	EFF-002F2 METALS FOR NOVEMBER	166.05	
			COPPER - DUBLIN HIGH SCHOOL	100.80	266.85
01/25/2018	95569	02076 NORTHERN TOOL & EQUIPMENT	POLESAW FOR FACILITIES	160.00	160.00

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01/25/2018	95570	00608 OFFICE TEAM	S MONTAGUE: W/E 01/19/18	916.65	916.65
01/25/2018	95571	01126 KEN PETERSON	PETERSON REIMB EXP AT ESRI MIGRATION TRA	34.00	34.00
01/25/2018	95572	00762 TESTAMERICA LABORATORIES I	LAB ANALYSES	26.50	26.50
01/25/2018	95573	00843 THE COVELLO GROUP INC	16-R014 TO NO. 1 12/1/17 - 12/31/17 07-3203 TO NO. OC-9 12/1/17 - 12/31/17 16-S021 TO NO. OC-8 12/1 - 12/31	68,463.25 35,115.00 18,457.42	122,035.67
01/25/2018	95574	05026 UNIVAR USA INC.	SODIUM HYPO WWTP 12-30-17 4798.00 SODIUM HYPO FOR WWTP 12-30-17 4699.00 DERWA RECYCLED WATER SODIUM HYPO 12-30-1	2,468.90 2,417.95 2,260.33	7,147.18
01/25/2018	95575	05127 VISION SERVICE PLAN - CA (VSF)	FEBRUARY 2018 - VISION	2,845.57	2,845.57
01/25/2018	95576	06643 WEIR TECHNICAL SERVICES	MANAGEMENT SERVICES - DECEMBER 2017	9,981.93	9,981.93
01/25/2018	95577	01719 A & M PRINTING, INC.	PRINTING: BILL INSERTS - CITIZENS WATER POSTCARD: PRINTING & MAILING - CITIZENS	2,480.28 1,641.44	4,121.72
01/25/2018	95578	00019 A-1 ENTERPRISES	LAWWMA DEC 17 STREET SWEEPING WWTP STREET SWEEPING DEC' 17	275.00 170.00	445.00
01/25/2018	95579	06552 BILLING SOLUTIONS INC. AMERI	AQUAHAWK CUSTOMER PORTAL JANUARY 2018	2,421.00	2,421.00
01/25/2018	95580	06779 AMERICAN PROPERTY MANAGE	REFUND FOR 501 DELDRIN CT	291.73	291.73
01/25/2018	95581	00068 AMERICAN WATER WORKS ASSC	MEMBERSHIP RENEWAL: CONNIE SANCHEZ 2018	262.00	262.00
01/25/2018	95582	00622 AT&T	C3 - TELE SVCS 21/13/17 - 1/12/18 C3 - CC DO T1 X 2 THRU 12/13/17 - 1/12/1 C3 - T1 WWTP TO PS300 DV THRU 12/13/17 -	1,223.60 328.58 241.25	1,793.43
01/25/2018	95583	00622 AT&T	LAWWMA PS PHONE & DSL DEC 17'	351.21	351.21
01/25/2018	95584	03813 AT&T CONFERENCING	16-A002 TELECONFERENCE SVCS 12/5/17 - 12	30.51	30.51
01/25/2018	95585	08419 GIRISH BANGALORE	REFUND FOR 4519 BRANNIGAN ST	119.18	119.18

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01/25/2018	95586	04042 BAY AREA NEWS GROUP	BAY AREA NEWS GRP- 15-W017 BID	528.30	528.30
01/25/2018	95587	08353 ASHOK BHASKAR	REFUND FOR 1071 CHANCERY WAY	80.00	80.00
01/25/2018	95588	05997 BURLINGTON SAFETY LAB	REPLT PPE: HARD HAT, ATTACHABLE TASK LIG	349.62	349.62
01/25/2018	95589	07825 C & R TRUCKING INC.	HAULING VULCAN MATERIAL TO FOD YARD CC	1,621.32	1,621.32
01/25/2018	95590	07138 CALIFORNIA WATER TECHNOLO	WWTP FERROUS CHLORIDE 42,820 SHIPPED 12-	4,120.87	4,120.87
01/25/2018	95591	00118 CALTEST ANALYTICAL LAB	LAB ANALYSES	184.30	184.30
01/25/2018	95592	00130 CASA	CASA 2018 WINTER CONF REGISTRATION FOR S	550.00	550.00
01/25/2018	95593	01167 CITY OF DUBLIN	ENCROACHMENT PERMIT 7956 VOMAC RD., DUBL	568.00	
			ENCROACHMENT PERMIT 8021 JADE CIR., DUBL	568.00	1,136.00
01/25/2018	95594	00157 CITY OF PLEASANTON	WWTP: WATER 10-30-17 - 1-3-18	283.59	
			FOD: WATER - IRRIGATION 10/31/17-1/3/18	215.55	
			DERWA: 32018 WATER 10-30-17 - 1-3-18	165.20	
			LAWWMA: 3668 WATER 10-31-17 - 1-3-18	140.82	
			FOD IRRIG: 3638 WATER 10-31-17 - 1-3-18	107.44	912.60
01/25/2018	95595	03997 CORRPRO COMPANIES, INC.	LAWWMA: DEC 2017 FOLLOW-UP AS-NEEDED SER	5,375.25	5,375.25
01/25/2018	95596	00222 DATCO SERVICES CORP.	JAN/FEB/MAR 2018 - MONTHLY CHARGES	604.50	604.50
01/25/2018	95597	08422 MIKE DERENZI	REFUND FOR 9675 CAMASSIA WAY	80.73	80.73
01/25/2018	95598	00277 EBMUD	LAWWMA 2400 LEWELLING BL SANITARY COLLEC	159.29	159.29
01/25/2018	95599	08367 EMERALS SITE SERVICES	REFUND FOR METER#77822381	1,895.70	1,895.70
01/25/2018	95600	08029 ATTN: TREASURY MANAGEMENT	16-R014 PP 11 OVERAA ESCROW ACCT	33,212.75	33,212.75
01/25/2018	95601	00307 FAIRWAY EQUIPMENT & SUPPLY	LAWWMA: GASKETS FOR PUMP 1, 3, 5, 6, 8 &	360.73	360.73
01/25/2018	95602	00314 FEDEX	HR SHIPPING CHARGES	49.05	49.05
01/25/2018	95603	08418 AARON GOIN	REFUND FOR 4326 FITZWILLIAM ST	60.85	60.85

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01/25/2018	95604	08414 LESLIE HARDY	REFUND FOR 5338 CAMPUS DR	88.39	88.39
01/25/2018	95605	04747 HOSE AND FITTINGS	LAWWMA: FITTINGS FOR PUMPS 8 & 10 SEAL W	153.16	153.16
01/25/2018	95606	07017 HYDROSCIENCE ENGINEERS, INC.	T.O. NO. 1 CLEAN WATER PROGRAM PROF SVCS	22,557.77	22,557.77
01/25/2018	95607	01376 J & M INC	REFUND FOR METER#78089617	977.71	977.71
01/25/2018	95608	07848 LLP JARVIS, FAY, DOPORTO & GI	GENERAL COUNSEL SVCS - DECEMBER 2017	1,464.00	1,464.00
01/25/2018	95609	08415 HANG JIN	REFUND FOR 3972 PINO GRANDE RD	79.57	79.57
01/25/2018	95610	02353 KELLY-MOORE PAINT CO., INC.	LAWWMA: PAINTS	27.04	27.04
01/25/2018	95611	08412 MONICA KOSINSKI	REFUND FOR 10758 MC KAY LN	17.19	17.19
01/25/2018	95612	07193 LAI & ASSOCIATES	FIELD DENSITY TESTING 12/9/17 BRIGADOON	846.78	
			FIELD DENSITY TESTING 12/30/17 M7956 VOM	713.86	1,560.64
01/25/2018	95613	08417 JUAN LI	REFUND FOR 4239 MIDLANDS CT	113.37	113.37
01/25/2018	95614	08420 CHAO LIANG	REFUND FOR 2937 BAILEY WAY	182.77	182.77
01/25/2018	95615	08411 SHERRY LOEBRICH	REFUND FOR 7811 RIDGELINE DR	185.59	185.59
01/25/2018	95616	07614 MAHLER CONSULTING SERVICE	2017-2018 DEVELOPMENT PROJECT INSPECTION	15,070.00	15,070.00
01/25/2018	95617	07264 MANPOWERGROUP US INC.	M. ZAKLAN: WE 12/31/17	284.44	284.44
01/25/2018	95618	08416 MOHAMMAD MOHABBAT	REFUND FOR 3816 BRANDING IRON PL	48.82	48.82
01/25/2018	95619	04231 MSC INDUSTRIAL SUPPLY CO	WELD AREA SUPPLIES & REPLT TOOLS	628.60	
			SHOP EQUIPMENT AND REPLT TOOLS	379.39	1,007.99
01/25/2018	95620	04796 NAPA AUTO PARTS	FLEET - FILTERS FOR STOCK	51.17	51.17
01/25/2018	95621	00585 NCBPA	KHAW - GENERAL MEMBERSHIP ELECTIONS MEE	40.00	
			OLSON - NCBPA GENERAL ELECTIONS MEETING	40.00	80.00
01/25/2018	95622	02221 NCCCO	NCCCO TEST SITE ANNUAL FEE	50.00	50.00
01/25/2018	95623	08409 CATHY O'BRIEN	REFUND FOR 7343 BEDFORD WAY	61.53	61.53

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01/25/2018	95624	00620 P G & E	LAVWMA PS FEEDER A JAN '18	98,643.25	
			LAVWMA PS FEEDER B JAN '18	6,784.81	
			RESERVOIR 3A ELECTRICITY - DEC 17	41.41	105,469.47
01/25/2018	95625	08413 DONGQIUYE PU	REFUND FOR 5227 S ESPRIT LOOP	20.93	20.93
01/25/2018	95626	07229 PULTE	REFUND FOR METER#65615499	332.56	332.56
01/25/2018	95627	08410 PULTE HOMES	REFUND FOR 11928 FRASER WAY	151.13	151.13
01/25/2018	95628	02316 RECORDS CONTROL SERVICES	PHYSICAL RECORDS INVENTORY & IMPROVEMENT	7,802.72	7,802.72
01/25/2018	95629	00716 RIVERS PLUMBING, HEATING & /	LINE REPAIR AT METER WINTERBROOK AVE	650.00	650.00
01/25/2018	95630	04044 SCOTT VALLEY BANK	07-3203 PP 5 - ESCROW 13501033	19,020.70	19,020.70
01/25/2018	95631	02698 SHAMROCK OFFICE SOLUTIONS	OVERAGE USAGE COLOR COPIES 9/6/47 - 10/5	473.59	473.59
01/25/2018	95632	08421 MAYANK SHARMA	REFUND FOR 1306 CEDARWOOD LOOP	24.12	24.12
01/25/2018	95633	06855 TEICHERT CONSTRUCTION	RTN MTR# 65583840	3,779.16	3,779.16
01/25/2018	95634	00837 TELSTAR INSTRUMENTS, INC.	HOUSING FLANGE TO REBUILD SPARE CHLOR-A-	921.40	921.40
01/25/2018	95635	08407 SHOBHIT THAKUR	REFUND 9627 CAMASSIA WAY	363.51	363.51
01/25/2018	95636	06447 TYLER BUSINESS FORMS	2017 W-2S, 1095S AND 1099 - MISC FORMS A	127.23	127.23
01/25/2018	95637	02845 TYLER TECHNOLOGIES	EDEN PROGRAMMING	1,000.00	1,000.00
01/25/2018	95638	07140 USA FLEET SOLUTIONS	JAN 2018: FLEET GPS TRACKING SYSTEM	1,733.75	1,733.75
01/25/2018	95639	06004 VANGUARD CLEANING SYSTEM:	JAN 2018: WWTP - JANITORIAL SERVICES	3,045.00	
			JAN 2018: DO - JANITORIAL SERVICES	2,675.00	
			STRIPPED & WAXED FLOORS IN BLDG A	2,322.19	
			JAN 2018: FOD - JANITORIAL SERVICES	1,895.00	9,937.19
01/25/2018	95640	00920 VASCO ROAD LANDFILL	UNLOADING OF WWTP SOLIDS/GRIT: DEC' 17	497.91	497.91
01/25/2018	95641	08408 ROBERT WANCEA	REFUND FOR 8503 VALENCIA ST	28.51	28.51

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01/25/2018	95642	00987 ZONE 7 WATER AGENCY	DECEMBER TREATED WATER SERVICE	1,046,202.21	1,046,202.21
01/26/2018	1262018	01016 THE BANK OF NEW YORK MELL	02/01/18 2017 WATER DEBT PMT	135,209.46	135,209.46
01/29/2018	1292018	03718 HR SIMPLIFIED	IRS 125 2017 & 2018 DCA/FSA/POS	5,170.44	5,170.44
02/01/2018	95643	01013 BARRETT BUSINESS SERVICES	A. HARTRICK: W/E 1/7/18	819.20	
			N. POON: WE 01/07/18	239.36	1,058.56
02/01/2018	95644	06176 BAY VALVE SERVICE & ENG'G LL	(2QTY) REPLT BALL VALVES FOR 3WATER STRA	2,150.08	2,150.08
02/01/2018	95645	03614 CAROLLO ENGINEERS INC.	07-3203 TO NO. 2 12/1/17 - 12/31/17	29,496.00	
			16-R014 TO NO. 1 12/1/17 - 12/31/17	28,407.15	
			16-R014 TO NO. OC-12 12/1/17 - 12/31/17	18,678.50	76,581.65
02/01/2018	95646	00228 STEVE DELIGHT	DELIGHT REIMB EXP AT 2018 CASA WINTER CO	64.11	64.11
02/01/2018	95647	00319 FISHER SCIENTIFIC	EVAPORATOR FAN MOTOR-BOD INCUBATOR	325.08	325.08
02/01/2018	95648	03146 MICHELLE GALLARDO	GALLARDO REIMB EXP AT CSRMA MEETING 01/2	20.71	20.71
02/01/2018	95649	07205 GLENMOUNT GLOBAL SOLUTION	09-6101 PP 25 SEPT 1 - JAN 12	12,587.94	12,587.94
02/01/2018	95650	00937 GRAINGER, INC.	EQUIPMENT TAPE (BRADY LABELER)	480.24	
			DUCTING HOSE FOR DAFT FOUL AIR TUBING	410.53	890.77
02/01/2018	95651	04424 GRAYBAR ELECTRIC COMPANY	REPLT ITEM FOR DEF UNIT DELIVERED UNDER	653.13	
			ELE SHOP STOCK MATERIALS	434.38	
			FLOURESCENT LAMPS FOR FOF WAREHOUSE	322.48	
			LIMIT SWITCHES FOR AMIAD STRAINERS	24.38	
			CREDIT: REPLT ITEM FOR DEF UNIT DELIVERED	-653.13	781.24
02/01/2018	95652	00439 IUOE LOCAL 39	LOCAL 39 UNION DUES: PAYMENT	5,054.85	5,054.85
02/01/2018	95653	00608 OFFICE TEAM	S MONTAGUE: W/E 01/26/18	1,059.24	1,059.24
02/01/2018	95654	01403 PRAXAIR DISTRIBUTION INC 186	LIQUID ARGON	649.92	649.92
02/01/2018	95655	04973 NATERCIA SAUCEDA	CASE ID FL364781: PAYMENT	111.23	111.23

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02/01/2018	95656	02470 SHRED-IT USA LLC	SHREDDING SERVICE - JANUARY 2018 INVOIC	106.47	106.47
02/01/2018	95657	00805 SUE STEPHENSON	STEPHENSON REIMB EXP AT 2018 WINTER CASA	90.00	90.00
02/01/2018	95658	00762 TESTAMERICA LABORATORIES I	12/26/17 DRINKING WATER MONITORING FOD 3	68.50	68.50
02/01/2018	95659	05026 UNIVAR USA INC.	SODIUM HYPOCHLORITE FOR WWTP 1-6-18 -469	2,417.95	2,417.95
02/01/2018	95660	01719 A & M PRINTING, INC.	PRINTING & MAILING SERVICES: CITIZENS WA #10 ENVELOPES FOR DO	2,833.48 570.95	3,404.43
02/01/2018	95661	01482 AAA LOCKSMITHS	FLEET: KEYS FOR LOCK AND 4 EXTRA'S	31.39	31.39
02/01/2018	95662	07772 ABACUS IMT, INC.	SPARE CATALYST ELEMENT FOR CO-GEN	5,187.51	5,187.51
02/01/2018	95663	06349 ARCSINE ENGINEERING	16-A002 ARCSINE TO NO. OC-3 12/1/17 - 12 16-A005 POWER DISTRIBUTION SYSTEM IMPROV 16-R014 TO NO. OC-4 12/1/17 - 12/31/17	365.00 292.00 73.00	730.00
02/01/2018	95664	00058 ARROWHEAD MOUNTAIN SPRING	FOD BOTTLED WATER & CUPS 12/19/17 & 1/16	234.26	234.26
02/01/2018	95665	00058 ARROWHEAD MOUNTAIN SPRING	BOTTLED WATER LAB	33.99	33.99
02/01/2018	95666	01697 B & C TRUCK PARTS, INC	REPLACEMENT DECALS FOR TRUCK #77	10.12	10.12
02/01/2018	95667	07138 CALIFORNIA WATER TECHNOLOGY	FERROUS CHLORIDE 1/11/18 42520/7.01580	4,055.13	4,055.13
02/01/2018	95668	01085 CALPERS LONG-TERM CARE PR	LONG-TERM CARE: PAYMENT	68.12	68.12
02/01/2018	95669	00229 DELL MARKETING LP	QTY (3) DELL PRECISION 5820 WORKSTATIONS	8,734.60	8,734.60
02/01/2018	95670	00237 DERWA	DERWA - DSRSD SHARE DEC 2017	824,476.91	824,476.91
02/01/2018	95671	00241 DGS OFS SVC REVOLVING FUND	NATURAL GAS SERVICE @ THE WWTP - 00/16	21,167.40	21,167.40
02/01/2018	95672	08426 BETH EISELMAN	REFUND 7041 LANCASTER RD	134.15	134.15
02/01/2018	95674	00307 FAIRWAY EQUIPMENT & SUPPLY	DERWA: REPLT SUMP PUMPS & PLUMBING PARTS PLUMBING PARTS FOR 3W STRAINER MODIFICAT PLUMBING PARTS FOR 3W STRAINER MODIFICAT	2,397.74 703.29 427.11	

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			(4QTY) 0-15PSI GAUGES FOR SHOP USE	297.75	
			STAINLESS UNISTRUT FOR SHOP USE	276.13	4,102.02
02/01/2018	95675	02914 STATE OF CALIFORNIA FRANCHI	FRANCHISE TAX BOARD: PAYMENT	150.00	150.00
02/01/2018	95676	00368 HACH COMPANY	LAB SUPPLIES AND CHEMICALS	1,162.22	
			ANALYZER CHEMICALS	334.30	1,496.52
02/01/2018	95677	02353 KELLY-MOORE PAINT CO., INC.	LAWWMA: PAINTS	206.53	206.53
02/01/2018	95678	00509 LIEBERT CASSIDY WHITMORE	GENERAL LEGAL FEES (12/17)	2,530.20	
			EMPLOYMENT RELATED LEGAL SERVICES (12/17)	370.50	2,900.70
02/01/2018	95679	00514 LIVERMORE-PLEASANTON FIRE	WWTP - HMBP INSPEC. FEE 2017	2,495.00	
			LAWWMA EXPORT PS - HMBP INSPEC. FEE 2017	296.50	2,791.50
02/01/2018	95680	07264 MANPOWERGROUP US INC.	M. ZAKLAN: WE 01/07/18	459.48	459.48
02/01/2018	95681	05897 MERIT RESOURCE GROUP	A. MCCAFFERY: WE 01/07/18	561.13	561.13
02/01/2018	95682	04231 MSC INDUSTRIAL SUPPLY CO	LOTO LOCKS	146.07	
			LOCKOUT HASPS	91.70	237.77
02/01/2018	95683	02437 MULTIPLEX INFORMATION SVCS	1 BOX TEKPAPER	204.07	204.07
02/01/2018	95684	04796 NAPA AUTO PARTS	FLEET - REPLACEMENT LIGHT FOR SHOP	178.34	
			WIPER SOLVENT FOR STOCK	45.43	
			VEHICLE #63 CLAMPS	6.23	
			FLEET - 416G FILTER	6.54	236.54
02/01/2018	95685	00620 P G & E	PUMP STATION R200A ELEC - JAN 2018	1,410.22	
			RESERVOIR R200 DERWA TANK 2 ELEC - JAN 2	35.47	1,445.69
02/01/2018	95686	07723 PLATINUM PIPELINE INC	RTND MTR# 79817039	313.98	313.98
02/01/2018	95687	04211 PLATT ELECTRIC SUPPLY	REPLT STARTER WITH PROTECTION RELAY FOR	945.06	
			FREEDOM STARTER FOR AERATION MIXER #2	432.29	
			BUTTON CONTACTS FOR AERATION MIXER #2	225.74	

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			SPARE START CAPACITOR & RUN CAPACITOR FO	39.48	1,642.57
02/01/2018	95688	05475 PRESIDIO SYSTEMS, INC.	ON-CALL CCTV CAMP PARKS	1,891.20	
			ON-CALL CCTV INSPECTION DUBLIN BLVD	1,771.20	3,662.40
02/01/2018	95689	04105 R&B COMPANY	FOD: PARTS FOR REPAIRS	585.71	585.71
02/01/2018	95690	06345 RON DUPRATT FORD	PARTS FOR VEHICLE #66	53.33	
			FLEET: LIGHT SWITCH VEHICLE #75	12.75	66.08
02/01/2018	95691	08339 SAN FRANCISCO ELEVATOR INC	ELEVATOR MAINTENANCE - JANUARY	475.00	475.00
02/01/2018	95692	02125 SEEVER & SONS TIRE	ALIGNMENT FOR #117	99.95	99.95
02/01/2018	95693	00810 STUDIO BLUE REPROGRAPHICS	15-W017 NOF BOOKLET	49.16	
			CIP 62046 ELECTRONIC PLANS	21.85	71.01
02/01/2018	95694	06650 TOKAY SOFTWARE	TOKAY WEB TEST ENTRIES DECEMBER 2017	65.00	65.00
02/01/2018	95695	03377 TRI VALLEY AUTO INTERIORS	SEAT REPAIR #18	425.00	425.00
02/01/2018	95696	01806 U.S. BANK	COPIER LEASE MAINT/ENGIN/FOD 1/1/18 - 2/	947.20	947.20
02/01/2018	95697	01222 UNITED STATES TREASURY	GARNISHMENT - IRS: PAYMENT	420.50	420.50
02/01/2018	95698	00556 UNITED WAY OF THE BAY AREA	UNITED WAY: PAYMENT	207.40	207.40
02/01/2018	95699	06004 VANGUARD CLEANING SYSTEM	STRIPPED & WAXED FLOORS IN BLDG S & PART	915.00	915.00
02/01/2018	95700	00920 VASCO ROAD LANDFILL	GRIT PICK-UP 1/3 7 1/11/18 #1193079 7 #1	692.63	692.63
02/01/2018	95701	00924 VERIZON WIRELESS	CELL PHN SVC AND EQUPTMNT CHARGES 12/4	10,645.35	10,645.35
02/01/2018	95702	00928 VINCENT ELEC MOTOR CO., INC	MOTOR REPAIR FOR 3-WATER BOOSTER PUMP	3,988.55	3,988.55
02/01/2018	95703	00933 VWR INTERNATIONAL, INC.	LAB CHEMICALS AND SUPPLIES	228.90	
			CAP MEMBRANE KIT	61.18	
			TRYPTIC SOY AGAR (TSA)	13.17	303.25
02/01/2018	95704	05785 WAUKESHA-PEARCE INDUSTRIE	CO-GEN PARTS	6,020.60	6,020.60

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02/01/2018	95705	08132 WEST PACIFIC ELECTRIC COMP	RTND MTR#60661154	692.23	692.23
02/01/2018	95706	00957 WEST YOST & ASSOCIATES	16-W009 - T.O. NO. OC-9 7/1/17 - 10/6/17	6,502.00	6,502.00
02/01/2018	608020118	01098 NATIONWIDE RETIREMENT SOLI	NATIONAL DEFERRED COMPENSATION: PAYMENT	40.00	40.00
02/02/2018	75819191	00558 IRS - PAYROLL TAXES	FEDERAL WITHHOLDING TAXES: PAYMENT	197.50	197.50
02/02/2018	2071219264	00559 EDD - PAYROLL	CALIFORNIA STATE TAXES: PAYMENT	40.00	40.00
02/05/2018	8100	05511 CALIFORNIA STATE	CHILD SUPPORT GARNISHMENT: PAYMENT	690.46	690.46
02/05/2018	2052018	03718 HR SIMPLIFIED	IRS 125 2017 & 2018 POS	1,302.07	1,302.07
02/05/2018	607020518	01098 NATIONWIDE RETIREMENT SOLI	NATIONAL DEFERRED COMPENSATION: PAYMENT	53,090.97	53,090.97
02/05/2018	1001009368	00494 PERS	RETIREMENT: PAYMENT	97,074.54	97,074.54
02/06/2018	40719228	00558 IRS - PAYROLL TAXES	FEDERAL WITHHOLDING TAXES: PAYMENT	144,664.01	144,664.01
02/06/2018	2039499840	00559 EDD - PAYROLL	CALIFORNIA STATE TAXES: PAYMENT	29,016.22	29,016.22
02/08/2018	95707	03872 ACSDA	ACSDA ANNUAL DINNER - D. MCINTYRE	49.00	
			ACSDA ANNUAL DINNER - G. VONHEEDER-LEOPO	49.00	98.00
02/08/2018	95708	07554 AIRGAS USA, LLC	JAN 2018: CYLINDER RENTAL - ACETYLENE, A	77.04	77.04
02/08/2018	95709	01076 ALSCO INC	FOD TOWEL & MAT SERVICE FOR JAN 18	528.50	
			WWTP 1-18 TOWEL & MAT SERVICE	524.10	1,052.60
02/08/2018	95710	06211 ASSOCIATED SERVICES CO.	JAN 18 OPS DEPT HOT BEVERAGE SERVICE 8 C	274.40	274.40
02/08/2018	95711	08305 BESS TESTLAB, INC	RTND MTR#65492097	1,407.65	1,407.65
02/08/2018	95712	07138 CALIFORNIA WATER TECHNOLO	FERROUS CHLORIDE 10/29/17 43,200/7.27920	4,207.38	4,207.38
02/08/2018	95713	02804 CITY OF SAN LEANDRO	LAWWMA: HAZ MAT & WASTE (CUPA) FEES 3/1/	394.00	394.00
02/08/2018	95714	07657 CROWN TROPHY PLEASANTON	RETIREMENT PLAQUE SHERRIE WEIS	34.75	34.75
02/08/2018	95715	00208 CSRMA	WORKERS' COMP PROGRAM - FINAL PREMIUM AU	9,496.00	9,496.00
02/08/2018	95716	00280 ECOWATER SYSTEMS	OPS SOFTENER EXCHANGE TANK SERVICE 2-18	238.20	238.20

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02/08/2018	95717	07675 ENGINEERING NEWS-RECORD	ENR SUBSCRIPTION RENEWAL 2018	29.95	29.95
02/08/2018	95718	00297 ENVIRONMENTAL EXPRESS LTD	LAB CHEMICALS AND SUPPLIES	137.53	137.53
02/08/2018	95719	00307 FAIRWAY EQUIPMENT & SUPPLY	PARTS FOR SEAL WATER SYSTEM OF NEW 3WATE PARTS FOR RAS CHANNEL REPAIR (4QTY) SS NIPPLE FOR RAS CHANNEL REPAIR	5,621.89 1,587.91 235.83	7,445.63
02/08/2018	95720	08404 BENEST FRANK	SPEAKER FOR MANAGEMENT RETREAT 1/10/18	2,500.00	2,500.00
02/08/2018	95721	00352 GOLDEN STATE FLOW MEASURE	GSFM - ANNUAL LOGIC SAAS ANNUAL FEE	27,500.00	27,500.00
02/08/2018	95722	00352 GOLDEN STATE FLOW MEASURE	FOD 192 SENSUS IPERL 1"	25,066.32	25,066.32
02/08/2018	95723	07652 HUNT & SONS, INC.	FUEL 830 GALLONS PLUS TAX & FEES LAVWMA: (55G) CHEV RANDO HD ISO 32 OIL	2,216.00 387.67	2,603.67
02/08/2018	95724	00417 IDEXX DISTRIBUTION, INC	ENTEROLERT	840.33	840.33
02/08/2018	95725	01225 KAESER COMPRESSORS, INC	DERWA: (2QTY) SLIDING RING SEAL CPL FOR	1,519.50	1,519.50
02/08/2018	95726	00468 KAMAN INDUSTRIAL TECHNOLO	SEALS FOR STOCK TO REBUILD SLUDGE PUMPS	46.07	46.07
02/08/2018	95727	05257 LENNAR COMMUNITIES	RTND MTR#65495581	340.99	340.99
02/08/2018	95728	07614 MAHLER CONSULTING SERVICE	2017-2018 DEVELOPMENT PROJ 1/1/18 - 1/15	20,220.00	20,220.00
02/08/2018	95729	07264 MANPOWERGROUP US INC.	M. ZAKLAN: WE 01/14/18	437.60	437.60
02/08/2018	95730	02166 MAZE & ASSOCIATES	FYE2017 AUDIT SERVICES AND AUP	950.00	950.00
02/08/2018	95731	05897 MERIT RESOURCE GROUP	A. MCCAFFERY: WE 1/14/18	1,716.88	1,716.88
02/08/2018	95732	04231 MSC INDUSTRIAL SUPPLY CO	REPLT FLOOR JACK IN SHOP; TOOLS FOR RUSS	954.59	954.59
02/08/2018	95733	04796 NAPA AUTO PARTS	410G GENERATOR	23.16	23.16
02/08/2018	95734	00585 NCBPA	F. KHAW MEMBERSHIP 2018 S. OLSON MEMBERSHIP 2018	30.00 30.00	60.00
02/08/2018	95735	00620 P G & E	MISC PUMP STNS, RESERVOIRS, TO'S ELEC -	28,213.00	

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			DISTRICT OFFICE ELECTRICITY - DEC 2017	3,796.16	
			DISTRICT OFFICE GAS SERVICE - DEC 2017	1,036.32	
			DEPARTING LOAD NON-BYPASSABLE CHARGES	687.41	
			PUMP STATION R200B ELEC - FEB 18	647.28	
			DO UTILITY BUILDING ELEC - JAN 18	129.40	
			RESERVOIR R100 ELEC - FEB 18	36.13	
			DO UTILITY BUILDING GAS SVC - JAN 18	35.38	
			ALAMO TRUNK SEWER ELEC - JAN 18	13.83	
			JOHNSON DRIVE STREETSCAPE ELEC - JAN 18	13.51	34,608.42
02/08/2018	95736	04211 PLATT ELECTRIC SUPPLY	ILLIAMP PROCESS CLAMP METER FOR ELECTRI	1,253.14	1,253.14
02/08/2018	95737	04211 PLATT ELECTRIC SUPPLY	AUX CONTACTS FOR NEW STARTER IN AERATION	224.44	224.44
02/08/2018	95738	00663 PLEASANTON GARBAGE SVC IN	WWTP GARBAGE SERVICE 12/26-1/25/18	5,193.50	
			FOD GARBAGE SERVICE 12/26-1/25/18	480.43	5,673.93
02/08/2018	95739	04105 R&B COMPANY	REPAIR PARTS FOR FOD	437.00	437.00
02/08/2018	95740	06345 RON DUPRATT FORD	FLEET: VEHICLE #68 SEAT BELT	291.05	
			FLEET: FILTERS FOR STOCK	96.96	
			VEHICLE #115 PARTS	35.56	423.57
02/08/2018	95741	05841 SABAH INTERNATIONAL, INC.	EALS (BLDG E) FACP REPLACEMENT PROJECT -	3,990.00	3,990.00
02/08/2018	95742	01096 SHAPE INC	(4QTY) REPLT PRIMARY SLUDGE PUMPS	46,759.00	46,759.00
02/08/2018	95743	02015 SHERWIN-WILLIAMS CO	LAWWMA: PAINTS FOR LVPUMP	441.26	441.26
02/08/2018	95744	00848 THE LIGHTHOUSE	FLEET: #512E LIGHTS FOR GROVE	2,089.09	2,089.09
02/08/2018	95745	00862 TIFCO INDUSTRIES	OPERATING SUPPLIES FOR STOCK	588.12	
			FLEET STORAGE BINS FOR REORGANIZATION	463.64	1,051.76
02/08/2018	95746	00912 VALLEY CARE HEALTH SYSTEM	BLOOD BORNE PATHOGEN - HEP B VACCINATION	76.00	
			MILLISON RESP FIT TEST	60.00	

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			SEVILLA RESP FIT TEST	60.00	
			BAILEY RESP FIT TEST	60.00	
			KELLY RESP FIT TEST	60.00	316.00
02/08/2018	95747	00933 VWR INTERNATIONAL, INC.	S.MARCESCENS, E.FAECIUM, A.VIRIDANS	170.37	170.37
02/08/2018	95748	00957 WEST YOST & ASSOCIATES	TASK ORDER NO. OC-11 - 12/2/17 - 1/5/18	3,760.50	3,760.50
02/08/2018	95749	03460 ACCO ENGINEERED SYSTEMS II	DERWA BLDG P AND BLDG N MECH ENGINEERING DO BLDG HVAC BOILER EXPANSION TANK & CON	15,508.00 1,146.00	16,654.00
02/08/2018	95750	00031 ALLIED FLUID PRODUCTS CORP	FLANGE GASKETS FOR STOCK	825.92	825.92
02/08/2018	95751	01013 BARRETT BUSINESS SERVICES	A. HARTRICK: W/E 1/14/18 N. POON: WE 01/14/18	819.20 456.96	1,276.16
02/08/2018	95752	07954 BENEFIT COORDINATORS CORP	2/18 - EE LIFE & DISABILITY INSURANCE PR	10,894.40	10,894.40
02/08/2018	95753	03614 CAROLLO ENGINEERS INC.	TO NO. OC-13 PROF SERVICES 12/1/17 - 12/	4,078.50	4,078.50
02/08/2018	95754	07915 JEFF CARSON	CARSON REIMB EXP AT CASA WINTER CONF. 01	43.71	43.71
02/08/2018	95755	00216 DAIOHS U.S.A. INC.	FY 2018 HOT BEVERAGE SERVICE DO- FEBRUAR	282.81	282.81
02/08/2018	95756	00231 DELTA DIABLO SANITATION DIST	911 / WRWC	7,824.27	7,824.27
02/08/2018	95757	00937 GRAINGER, INC.	METAL GRATING FOR GRIT CHANNEL ON AERATI BATTERY CHARGER FOR VEHICLE #112 NEW MOTOR FOR CHLORINE CONTACTOR SAMPLE	287.86 222.79 163.57	674.22
02/08/2018	95758	04424 GRAYBAR ELECTRIC COMPANY	WIRES FOR FOD BUILDING PROJECT ELE SHOP STOCK MATERIAL TOOL: JOURNEYMAN TM 2000 SERIES DIAG. -	345.96 281.82 47.27	675.05
02/08/2018	95759	08268 DIANE GRIFFIN	GRIFFIN REIMB MILEAGE W/E 12/13/2017 GRIFFIN RIEMB EXP AT CWEA TNI TRAINING 1 GRIFFIN REIMB EXP AT BACWA MEETING 01/19	181.25 106.92 30.49	318.66
02/08/2018	95760	01242 INFO SEND, INC	UB BILLING PRINTING/MAILING SERVICES 1/1	3,468.90	

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			MAILING - FOG-AQUAHAWK BILL INSERT	177.32	3,646.22
02/08/2018	95761	00608 OFFICE TEAM	S MONTAGUE: W/E 02/02/18	875.91	875.91
02/08/2018	95762	04553 PACHECO BROTHERS GARDENI	TREE TRIMMING AND REMOVAL FOR RES 1A	1,780.00	1,780.00
02/08/2018	95763	00805 SUE STEPHENSON	STEPHENSON REIMB EXP AT ELECTED WOMENS L	50.00	50.00
02/08/2018	95764	05026 UNIVAR USA INC.	1/13/18 WWTP HYPO 4798.00 GL	2,468.90	2,468.90
02/08/2018	95765	03536 U S BANK/ CORP PMT SYSTEMS	OLSON - REGISTRATION WATEREUSE CA ANNUAL	450.00	
			MAXTOOL-WATER PUMP	424.98	
			2017 AWWA UTILITY BENCHMARKING	406.60	
			DERWA: PRESSURE SWITCH FOR MF FEED PUMP	362.36	
			2018 ANNUAL SUBSCRIPTION	359.88	
			REG FEE SFTY STAFF - ASSE BAY AREA SAFET	347.00	
			SECURITY: BADGE PRINTER RIBBON	325.49	
			OFFICE SULLPIES: DO, EXEC, PI	306.29	
			OFFICE SUPPLIES: TONER CARTRIDGES FOR MA	306.27	
			J. CHALK CWEA MEMBERSHIP RENEWAL	270.00	
			2 PRE-STRIPED CHEVRON ROLLS	265.98	
			CONFINED SPACE RESCUE 24FT RETRIEVAL POL	260.80	
			MISC OPERATING SUPPLIES FOR MAINT SHOP	257.14	
			QTY (4) DAMEWARE LICENSE RENEWAL	256.00	
			V. SEVILLA REGISTRATION FOR SUPERVISOR T	225.00	
			DC-DC CONVERTER FOR RES 200B	218.52	
			S. OLSON - HEADPHONES FOR CISCO PHONE	216.31	
			SJ-SANTA CLARA WASTEWATER "TOUR OF INFOR	215.84	
			SOLAR CHARGER/REGULATOR FOR RES 200B	207.58	
			MASTERING EXCEL PIVOT TABLES	199.00	
			30 DAY SUBSCRIPTION - PHOTOS FOR RECRUIT	199.00	
			J. CHALK SAFETY BOOTS	194.84	

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Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			AMAZON - MICR TONER	185.71	
			JEROME RECALIBRATION AND BATTERY REPLACE	182.00	
			2018 CWEA MEMBERSHIP RENEWAL S. DELIGHT	180.00	
			D. BONN CWEA MEMBERSHIP RENEWAL	180.00	
			FUEL FOR TRUCK #110	175.00	
			DHIGARES: SAFETY SHOES	174.79	
			FOD SUPPLIES	164.17	
			FOD SUPPLIES: WELDED STEEL 4-SHELF	162.78	
			NEW HIRE LUNCH FOR ENG ANALYST	161.25	
			SHOP SUPPLIES	150.54	
			KOLODZIE - EXCEL PIVOT TABLES WEBINAR	150.00	
			FUEL FOR FOD TRUCK	150.00	
			FUEL FOR FOD TRUCK	150.00	
			PARTS/SUPPLIES FOR DO DOOR REPAIR	148.33	
			NEW EMPLOYEES - POLO SHIRTS	147.39	
			FOD FUEL TRUCK #110	140.97	
			OPERATING SUPPLIES FOR FACILITIES	139.70	
			FOF PARKING PERMITS - WINDOW STICKERS	133.84	
			OFFICE SUPPLIES: LABEL TAPE VARIOUS SIZE	131.90	
			QTY (1) HP 80A BLACK TONER CARTRIDGE FOR	125.63	
			ACCESSORIES/BLUETOOTH HEADPHONE FOR LINO	118.34	
			M1 PRNCIPALS OF WATER RATES, FEES & CHAR	117.50	
			VADEN - CSMFO MEMBERSHIP 2018	110.00	
			DISTRICT GIFT FOR S. WEIS RETIREMENT	109.20	
			EXECUTIVE ROUND TABLE LUNCH 1-11-18	107.10	
			R. ROBLES AWWA MEMBERSHIP RENEWAL	105.00	
			OFFICE SUPPLIES: PLANNERS, MARKERS, COPY	104.06	
			FUEL FOR TRUCK #110	100.00	
			NEWSLETTER INSERT: "DSRSD OFFERS CITIZEN	100.00	

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			FUEL FOR FOD TRUCK	100.00	
			ONLINE COURSE - DEVELOPING VIDEO CONTENT	99.00	
			S. OLSON ADULT FIRST AID/CPR/AED CLASS	93.00	
			BOND REFUNDING CELEBRATION MEETING	91.37	
			LUNCH FOR MAINTENANCE INTERVIEWS	83.52	
			OFFICE SUPPLIES: COPY PAPER, LABEL TAPE,	83.13	
			OFFICE SUPPLIES: POST-IT NOTE PADS, HIGH	77.47	
			SNACKS FOR MANAGEMENT RETREAT 1/10/18	66.70	
			OFFICE SUPPLIES: BATTERIES, CREAMER, ETC	65.57	
			TARP & DISHWASHING SOAP FOR DO	65.48	
			OFFICE SUPPLIES VARIOUS	63.75	
			16GB FLASH DRIVES FOR FLEET INFO	60.91	
			DRYER VENT KIT & HOSE FOR FOF	59.61	
			SUPPLIES FOR EXEC & DO	59.29	
			SUPPLIES FOR S. WEIS RETIREMENT & GENERA	57.29	
			(2QTY) LABEL CARTDRIDGE	54.60	
			PROTECTIVE ENAMEL GLOSS SAND SPRAY PAINT	52.18	
			PARTY FOR S. WEIS RETIREMENT	50.90	
			SUPPLIES: CALENDARS, LABELS BINDER CLIP	48.17	
			SUPPLIES FOR FACILITIES: PAINT HARDENER,	47.94	
			TANK OF GAS FOR IT TRUCK	46.42	
			SNACKS FOR MANAGEMENT RETREAT 1/12/18	46.42	
			PRINTER PAPER FOR FUEL UNDERGROUND STORA	43.99	
			RELAY FOR LIFT STATION 2 PUMP	42.31	
			NAME PLAQUE - K. PRUITT C. FERREYRA	39.33	
			BUSINESS LUNCH ATWOOD & GOLDMAN	37.68	
			DAN MCINTYRE REGISTRATION STATE OF THE C	35.00	
			C. ATWOOD REGISTRATION STATE OF THE CITY	35.00	
			FERRULE CRIMPER WITH ASSORTED FERRULES	35.00	

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			GASOLINE - DISTRICT POOL VEHICLE	34.00	
			FRAMING SERVICES FOR 2018 EMPLOYMENT PRA	33.87	
			QTY (1) BELKIN IPHONE CHARGER FOR VIRGIL	32.76	
			QTY (1) OTTERBOX DEFENDER IPHONE CASE, R	30.74	
			SUPPLIES FOR SUPPLY ROOM	29.71	
			PRO SUBSCRIPTION (JANUARY 2018)	29.00	
			ONLINE VIDEO TRAINING COURSE - FINAL CUT	27.00	
			SJ-SANTA CLARA WASTEWATER "TOUR OF INFOR	26.98	
			DONUTS FOR JOINT MAINTENANCE MEETING - 0	26.00	
			BACK UP NAME TAGS FOR D. MCINTYRE	22.85	
			OFFICE SUPPLIES: STACKABLE TRAYS & CALEN	22.07	
			INSULATED WORK GLOVES	21.84	
			SELECTOR SWITCH BOX FOR VIDEO SCREEN @ D	20.64	
			LUNCH - PRACTICAL EXAMS 1/5/18	20.49	
			VADEN - CSMFO MTG 01/31/18	20.00	
			OFFICE SUPPLIES: CUSTOM SELF-INKING STAM	19.82	
			PARTS/SUPPLIES FOR LAB SINK REPAIR	18.82	
			BAR & CHAIN OIL & PLUMBERS PUTTY FOR FAC	17.91	
			HYDRAULIC FITTINGS FOR BLOWER #1	16.77	
			BOOK- GOOD TO GREAT & THE SOC SECTORS	16.55	
			ADOBE ACROBAT FOR CELL PHONE	14.99	
			HP 15C CALCULATOR APP	14.99	
			RUBBER CORD FOR 4-GAS CHARGING BENCH	14.09	
			LIQUID ANT BAIT FOR DO	13.01	
			SJ-SANTA CLARA WASTEWATER "TOUR OF INFOR	11.58	
			CAR CHARGER FOR LINO'S SURFACE PRO LAPTO	10.91	
			SJ-SANTA CLARA WASTEWATER "TOUR OF INFOR	10.05	
			SPARE KEYS FOR IT	8.65	
			MAINTENANCE WORKER I-II RECRUITMENT - A	8.58	

## Check History Description Listing

Dublin San Ramon Services District

From: 1/1/2018

To: 2/11/2018

Bank code: apbank

Date	Check #	Vendor	Description	Amount Paid	Check Total
			HANGERS FOR 2018 EMPLOYMENT PRACTICES PO	7.09	
			PARKING RECEIPT-D. LOPEZ MEETING 1-19-18	6.00	
			HOLIDAY TREE STAND FOR 2018 HOLIDAY PATR	5.70	
			NETWORK SOLUTIONS PREMIUM DNS	4.99	
			ADVERTISING ON INDEED	1.00	
			PARTS/SUPPLIES FOR LAB SINK REPAIR	0.92	
			RETURN: BLUETOOTH HEADPHONE FOR LINO'S S	-59.99	
			LED LIGHTS FOR FOD WAREHOUSE	3,233.63	
			MIGRATING FROM ARCMAP TO ARCGIS CLASS -	1,130.00	
			MIGRATING FROM ARCMAP TO ARCGIS CLASS -	1,130.00	
			PROJECTOR SCREEN FOR WWTP BLDG A TRNG RO	1,057.53	
			DERWA: PLASTIC SHEETS FOR SF INSTRUMENT	987.75	
			FOOD FOR HOLIDAY LUNCHEON - FINAL PMNT	819.09	
			S. ROBERSON & D. LEONARDO TRNG HOW TO AU	790.00	
			WATER REUSE ROOM RESERVATION DEPOSIT	778.00	
			CLEAN WATER - WATER PURVEYOR MEMBERSHIP	598.85	
			CWEA REGISTRATION FOR TRAINING P3S K. MO	545.00	
			SPARE FLUORIDE INJECTOR FOR TURNOUT #5	524.38	
			D. MCINTYRE REGISTRATION 2018 WATER REUS	520.00	
			BIAGTAN - REGISTRATION FOR WATEREUSE CA	510.00	
			LOC-5-TX RECHARGEABLE BATTERY KIT	499.27	
			QTY (4) INFOCUS BULBS FOR IN42+ PROJECTO	485.08	26,290.07
02/09/2018	1001009370	01111 CALPERS	FEBRUARY 2018 - ER CODE 0740 (PERS)	205,629.95	205,629.95
02/09/2018	1001009372	01111 CALPERS	FEBRUARY 2018 - ER CODE 7316 (NON-PERS)	2,087.57	2,087.57

461 checks in this report

Total Checks: 10,622,843.09

**Karen**  
**Vaden**



Digitally signed by Karen  
Vaden  
DN: cn=Karen Vaden  
Date: 2018.02.12  
11:58:10 -08'00'

## Administrative Operating Budget Adjustment Request

### Policy:

Administrative Adjustments: The General Manager may make "no net change" budget adjustments provided those changes are all within the same fund. This ensures that rates will not be affected.

Reporting: Administrative budget adjustments are reported to the Board directly in lieu of the Finance Committee as they occur, but no more frequently than monthly.

### Directions:

1. Complete form.
2. Obtain signature of Department Head and GM.
3. Route the original to the Financial Services Manager.

Account Number	Amount – Increase (Decrease) FY2018	Amount – Increase (Decrease) FY2019
200.50.53.000.1.100	(\$9,223.50)	(\$9,547.20)
200.50.53.000.1.125	(\$172.80)	(\$172.80)
200.50.53.000.1.126	(\$2,910.65)	(\$3,039.46)
200.50.53.000.1.127	(\$350.99)	(\$364.46)
200.50.56.000.1.100	\$9,223.50	\$9,547.20
200.50.56.000.1.125	\$172.80	\$172.80
200.50.56.000.1.126	\$2,910.65	\$3,039.46
200.50.56.000.1.127	\$350.99	\$364.46
300.50.53.000.1.100	(\$59,952.75)	(\$62,056.80)
300.50.53.000.1.125	(\$1,123.20)	(\$1,123.20)
300.50.53.000.1.126	(\$18,919.95)	(\$19,757.19)
300.50.53.000.1.127	(\$2,286.65)	(\$2,374.18)
300.50.56.000.1.100	\$59,952.75	\$62,056.80
300.50.56.000.1.125	\$1,123.20	\$1,123.20
300.50.56.000.1.126	\$18,919.95	\$19,757.19
300.50.56.000.1.127	\$2,286.65	\$2,374.18
600.50.53.000.1.100	(\$23,058.75)	(\$23,868.00)
600.50.53.000.1.125	(\$432.00)	(\$432.00)
600.50.53.000.1.126	(\$7,276.99)	(\$7,598.98)
600.50.53.000.1.127	(\$879.69)	(\$913.48)
600.50.56.000.1.100	\$23,058.75	\$23,868.00
600.50.56.000.1.125	\$432.00	\$432.00
600.50.56.000.1.126	\$7,276.99	\$7,598.98
600.50.56.000.1.127	\$879.69	\$913.48

Reason for Request:

The Administrative Technician position was originally in the Mechanical Maintenance Division (Div. #53) and the salary costs were budgeted in this division. Due to a reorganization within the Operations Department, the position has been relocated to the Operations Support Division (Div. #56).

<i>Carol Atwood</i>	1/11/18	<i>David M. Mays</i>	1/18/18
Department Head Signature	Date	General Manager Signature	Date

*for Jeff Cansen*

For Accounting Use Only		Date
FSM	Reviewed by Financial Services Manager	
Accountant	Budget Adjustment Posted	
Accountant	Copy Placed in Finance Committee Box	
Accountant	File Original in Budget Binder	



**TITLE:** Approve Side-Letters of Agreement with Stationary Engineers, Local 39 and Dublin San Ramon Services District, and the Mid-Management Employees' Bargaining Unit and Dublin San Ramon Services District

**RECOMMENDATION:**

The General Manager recommends the Board of Directors approve, by two separate Resolutions, Side-Letters of Agreement with Stationary Engineers, Local 39 (Local 39) and the Mid-Management Employees' Bargaining Unit (MEBU).

**SUMMARY:**

On June 29, 2017, the Field Operations Supervisor position became vacant and since that time, Levi Fuller, Wastewater Treatment Plant Operations Supervisor, has been assigned to temporarily fill in and serve as Acting Supervisor of the Field Operations Division. While an acting assignment was made to temporarily cover the Plant Operations Division during this time, there are still some regulatory and District-related matters that Mr. Fuller has continued to perform, related to his WWTP Operations Supervisor position.

Also during this same time, Daniel Leonardo, Water/Wastewater Systems Lead Operator, has been serving as the District's Acting Chief Water Operator of record. The District received approval from the State Water Resources Control Board to temporarily designate someone with a Distribution Level 4 (D4) and Treatment Level 1 (T1) certification as acting Chief Operator temporarily, and is required to provide a periodic update on the status of our recruitment for a permanent supervisor. All other division supervisory duties (with the exception of Chief Operator) are being performed by Mr. Fuller.

Given the extended period of time for which both Mr. Fuller and Mr. Leonardo have served the District by performing these extra duties over and above their current position requirements, the District has proposed stipends to both Mr. Fuller and Mr. Leonardo in the amount of a 2.5% differential based on their respective position's base rate of pay for the time they have served, and continue to serve, in these special assignments. Also, while it has been the District's procedure to provide the incumbent serving as the Water/Wastewater Systems Operations & Maintenance Supervisor with a District vehicle for the purposes of responding to emergency situations, and while that vehicle is currently assigned to the Acting Chief Water Operator and is not available for his use, the District proposed a one-time cash payment to Mr. Fuller of \$3,800. These acting assignments and the additional compensation shall cease when the District successfully obtains a properly certified Supervisor for the Field Operations Division.

The current MEBU and Local 39 Memoranda of Understanding (MOUs) do provide for temporary upgrade pay for short-term out-of-class assignments (called "Out-of-Class Pay"); however, this special pay category only applies when an employee is assigned to perform the full range of duties of a higher-level classification. In this unique and unprecedented circumstance, Mr. Fuller and Mr. Leonardo are only performing specific business-critical duties of a higher-level position, and therefore do not meet the requirements for Out-of-Class Pay.

The District has completed its obligations under the Meyers-Milias-Brown Act (MMBA) to meet and confer with Local 39 and MEBU respectively on these proposed Side-Letters of Agreement.

Originating Department: Administrative Services	Contact: M. Gallardo	Legal Review: Yes
Cost: Within Budget	Funding Source: Operating Budget FY18	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input checked="" type="checkbox"/> Resolution (2) <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)		50 of 146

RESOLUTION NO. \_\_\_\_\_

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT APPROVING SIDE-LETTER OF AGREEMENT WITH MID-MANAGEMENT EMPLOYEES' BARGAINING UNIT FOR SPECIAL COMPENSATION FOR WASTEWATER TREATMENT PLANT OPERATIONS SUPERVISOR, LEVI FULLER

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WHEREAS, the District has a need to temporarily assign an Acting Supervisor of the Field Operations Division; and

WHEREAS, the assignment of Acting Water/Wastewater Systems Operations and Maintenance Supervisor has been given to Wastewater Treatment Plant Operations Supervisor, Levi Fuller, effective June 29, 2017; and

WHEREAS, Mr. Fuller has continued to perform some special assignments related to his original position as Wastewater Treatment Plant Operations Supervisor, while performing the full range of duties as Acting Water/Wastewater Systems Operations and Maintenance Supervisor; and

WHEREAS, District representatives and MEBU have met on all labor obligations, and by side-letter agreement, have agreed upon payment of a special compensation stipend for this extra duty.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency in the Counties of Alameda and Contra Costa, California, as follows:

The Board of Directors hereby approves, by resolution, the Side-Letter of Agreement to the Memorandum of Understanding with Mid-Management Employees' Bargaining Unit (Exhibit "A") for a special compensation stipend for Wastewater Treatment Plant Operations Supervisor, Levi Fuller.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 20th day of February 2018, and passed by the following vote:

AYES:

NOES:

ABSENT:

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Georange M. Vonheeder-Leopold, President

ATTEST: \_\_\_\_\_

Nicole Genzale, District Secretary

**SIDE LETTER OF AGREEMENT  
BETWEEN  
DUBLIN SAN RAMON SERVICES DISTRICT  
AND  
MID-MANAGEMENT EMPLOYEES' BARGAINING UNIT**

The Dublin San Ramon Services District ("District") and the Mid-Management Employees' Bargaining Unit ("MEBU") agree to the following:

1. As the District continues its recruitment for a replacement of the Water/Wastewater System Operations & Maintenance Supervisor, the District has the need to designate an Acting Water/Wastewater System Operations & Maintenance Supervisor. The District has designated Wastewater Treatment Plant Operations Supervisor, Levi Fuller, to serve in this temporary assignment, which will be deemed effective retroactive to June 30, 2017. Mr. Fuller will perform the duties of the Acting Water/Wastewater Systems Operations & Maintenance Supervisor assignment, as well as continue performing certain specified duties of the Wastewater Treatment Plant Operations Supervisor; and
2. For this temporary, Special Assignment only, the District shall pay Levi Fuller a Special Assignment pay in the amount of 2.5% of regular rate of base pay per work week while serving as Acting Water/Wastewater Systems Operations & Maintenance Supervisor and continuing to perform certain specified duties of the Wastewater Treatment Plant Operations Supervisor. Such payment will be made retroactive to the effective date of the temporary assignment. Also, while the District provides the incumbent serving as the Water/Wastewater Systems Operations & Maintenance Supervisor a District vehicle for the purposes of responding to emergency situations, and while that vehicle is currently assigned to the Acting Chief Water Operator and is not available for use, the District will pay Levi Fuller a one-time cash payment of \$3,800.
3. Such Special Assignment stipend will be administered in accordance with all applicable state and federal wage and hour laws.
4. This one-time Special Assignment stipend shall be non-precedent setting.
5. This Special Assignment is intended to be temporary in nature and the General Manager may terminate the Special Assignment at any time and for any reason.
6. The granting and/or discontinuance of this Special Assignment and the determination of the amount or type of Special Assignment stipend shall not be subject to the grievance procedure.
7. This Special Assignment 2.5% stipend and one-time cash payment of \$3,800 may not be considered as "pensionable compensation" for the purposes of CalPERS Retirement benefits.

Except as specifically provided in this Side Letter, all other terms and conditions of employment as set forth in the MOU between the District and MEBU will apply.

Dated: 2/8/18

Dated: 2/7/18

Dated: 2/8/18

Levi Fuller

Levi Fuller

Daniel P. McIntyre

Daniel P. McIntyre

General Manager

Dublin San Ramon Services District

Bob Treppa Bob Treppa

Bob Treppa

MEBU Representative

RESOLUTION NO. \_\_\_\_\_

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT APPROVING SIDE-LETTER OF AGREEMENT WITH STATIONARY ENGINEERS, LOCAL 39 FOR SPECIAL COMPENSATION FOR WATER/WASTEWATER SYSTEMS LEAD OPERATOR, DANIEL LEONARDO

---

WHEREAS, the District has a need to temporarily assign a Chief Water Operator as required by the State Water Resources Control Board; and

WHEREAS, the assignment of Chief Water Operator has been given to Water/Wastewater Systems Lead Operator, Daniel Leonardo effective June 29, 2017; and

WHEREAS, District representatives and Local 39 have met on all labor obligations and by side-letter agreement, have agreed upon payment of a special compensation stipend for this extra duty.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency in the Counties of Alameda and Contra Costa, California, as follows:

The Board of Directors hereby approves, by resolution, the Side-Letter of Agreement to the Memorandum of Understanding with Stationary Engineers, Local 39 (Exhibit "A") for a special compensation stipend for Water/Wastewater Systems Lead Operator Daniel Leonardo.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 20th day of February 2018, and passed by the following vote:

AYES:

NOES:

ABSENT:

---

Georgean M. Vonheeder-Leopold, President

ATTEST: \_\_\_\_\_  
Nicole Genzale, District Secretary

**SIDE LETTER OF AGREEMENT  
BETWEEN  
DUBLIN SAN RAMON SERVICES DISTRICT  
AND  
INTERNATIONAL UNION OF OPERATING ENGINEERS, STATIONARY ENGINEERS, LOCAL 39**

The Dublin San Ramon Services District ("District") and the International Union of Operating Engineers, Stationary Engineers, Local 39 ("Local 39") agree to the following:

1. The State Water Resources Control Board has determined that the District's water system has grown to the size and complexity that requires D-5 and T-1 certifications for the District's designated Chief Water Operator; and
2. The District is recruiting for a Water/Wastewater System Operations & Maintenance Supervisor (who serves as the designated Chief Water Operator), however in the meantime, has the need for an Acting Chief Water Operator with at least the minimum certification of a D4. The District has designated Water/Wastewater Systems Lead Operator, Daniel Leonardo, to serve in the temporary assignment of Acting Chief Water Operator. Such temporary assignment will be deemed effective retroactive to June 30, 2017; and
3. For this temporary, Special Assignment only, the District shall pay Daniel Leonardo a one-time Special Assignment stipend in the amount of 2.5% of base hourly rate of pay per work week in accordance with the District's Publicly-Available Pay Schedule (minus any payroll deductions) while serving as Acting Chief Water Operator. Such payment will be made retroactive to the effective date of the temporary assignment.
4. Such Special Assignment stipend will be administered in accordance with all applicable state and federal wage and hour laws.
5. This one-time Special Assignment stipend shall be non-precedent setting.
6. This Special Assignment is intended to be temporary in nature and the General Manager may terminate the Special Assignment at any time and for any reason.
7. The granting and/or discontinuance of this Special Assignment and the determination of the amount or type of Special Assignment stipend shall not be subject to the grievance procedure.
8. This Special Assignment stipend may not be considered as "pensionable compensation" for the purposes of CalPERS Retirement benefits.

Except as specifically provided in this Side Letter, all other terms and conditions of employment as set forth in the MOU between the District and Local 39 will apply.

Dated: 2/9/18

Daniel Leonardo  
Daniel Leonardo

Dated: 2/7/18

Daniel B. McIntyre  
Daniel B. McIntyre  
General Manager  
Dublin San Ramon Services District

Dated: 2/8/18

Charlie Solt  
Charlie Solt  
Business Representative  
Stationary Engineers, Local 39

Dated: 2-9-18

Steve Crouch  
Steve Crouch  
Director of Public Employees  
Stationary Engineers, Local 39



**TITLE:** Approve the Water Supply Assessment for the AT Dublin Project

**RECOMMENDATION:**

Staff recommends the Board of Directors approve, by Resolution, the AT Dublin Project Water Supply Assessment.

**SUMMARY:**

Shea Properties Management Company Inc. (Shea), has filed an application with the City of Dublin to prepare a General Plan and Eastern Dublin Specific Plan Amendment Study for the proposed AT Dublin Project (Project). The proposed Project is located on 76.1 acres east of Tassajara Road between Interstate 580 and Gleason Drive and consists of up to 290 apartments with ground-floor retail, 200 townhomes, and 180 single family homes located along developed paths to provide easy access to the retail, entertainment, and hospitality options available in the development. The proposed Project also consists of up to 415,000 square feet of commercial development, including up to 240 hotel rooms. The Project's location and land use plan are included as Attachment 1.

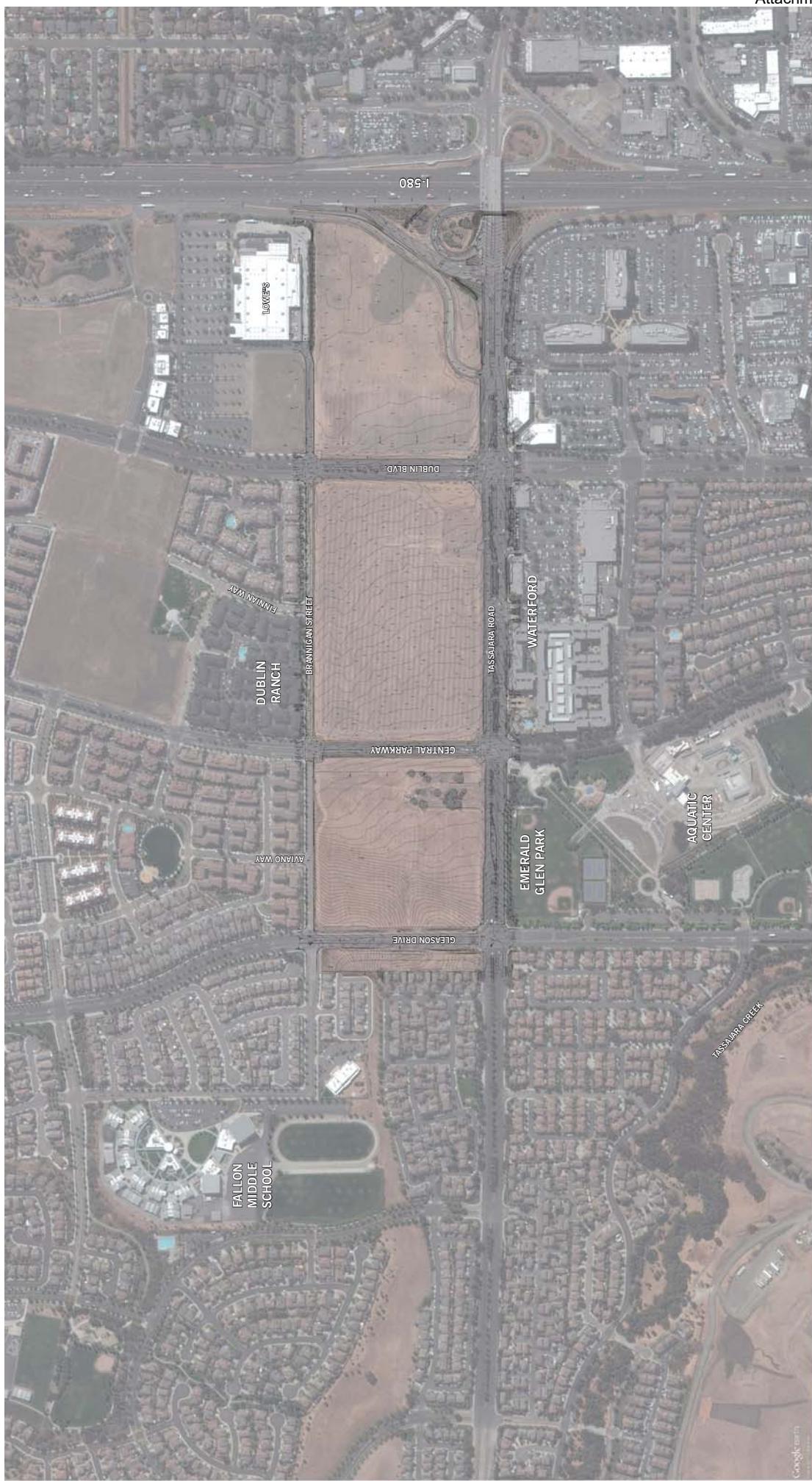
As the lead agency, the City of Dublin (City) determined that a project-specific water supply assessment and written verification of sufficient water supply is required for the Project in accordance with the 2001 Senate Bills 610 and 221 (SB 610 and SB 221, respectively). The City submitted a letter to the District requesting the assessment and verification on December 4, 2017 (Attachment 2). As the water supplier for the Project, DSRSD is required to prepare the assessment and verification. The effort is funded by Shea under a Planning Services Agreement approved by the Board on December 5, 2017. In accordance with SB 610, the Board must approve the water supply assessment within 90 days of written request—March 4, 2018.

With the assistance of West Yost Associates (WYA,) the water supply assessment and written verification of water supply availability were conducted and the AT Dublin Project Water Supply Assessment (WSA) was completed. The District's 2015 Urban Water Management Plan (UWMP) provided the foundational information to fulfill the requirements of SB 610 and SB 221. The water use factors determined from the District's 2016 Water System Master Plan were used to estimate water demands.

The WSA shows that the proposed land use will have a potable water demand of 229 acre-feet per year (AFY), 44 AFY more than the demand included in the District's UWMP for the Project site, and a recycled water demand of 28 AFY, 21 AFY more than the demand included in the District's UWMP for the Project site. These additional water demands were compared to water demand reductions from land use and planned development changes adopted by the City of Dublin since 2015. Additional ultimate water demand reductions have also been achieved as the District implemented recycled water projects that replaced existing potable water demand. Overall, future potable water demand within the District's service area, which includes demands for the proposed Project, is projected to be less than what was projected in the 2015 UWMP. Therefore, the WSA finds that the District has available water supply and verifies that water supply is sufficient for the Project.

Shea has reviewed the WSA and their comments have been addressed in the finalized WSA. Upon Board approval, the WSA will be delivered to the City and Shea to support the California Environmental Quality Act study associated with the Project.

Originating Department: Engineering Services	Contact: S. Kolodzie	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – Project Map Attachment 2 – Written Letter of Request from City of Dublin	



**DUBLIN**  
AT

## AERIAL PHOTO / VICINITY MAP



## SUMMARY

Land Use Category	Acres (Net)	Permitted Density	Project Density (Net)	Commercial SF	Hotel Rooms	Units
General Commercial <sup>2</sup>	22.2	2 to 6 FAR	.39 FAR	367,000	240	
Public/Semi-Public					3,000	
Mixed Use	13.8	3 to 10 FAR	.74 FAR	80,000		300
Medium High-Density Residential	13.9	14.1 to 25 du/acr	14.4 du/ac			200
Medium Density Residential	20.8	6.1 to 14.0 du/ac	8.7 du/ac			180
<b>Total</b>	<b>70.7</b>			<b>450,000</b>	<b>240</b>	<b>680</b>

1. "SF" Square Feet includes base square feet.

2. "Public/Semi-Public" uses are permitted within General Commercial per requested General Plan and EDSP amendment.

Note: Unit counts and commercial square footages are preliminary. Stage 2, Development Plan and Site

Development Review will establish the specific maximum number of units and commercial square footage.

0 60 120 240 360 FEET SHEET A2.2

## LAND USE PLAN PROPOSED



December 4, 2017

Rhodora Biagtan, Principal Engineer  
Dublin San Ramon Services District  
7051 Dublin Blvd.  
Dublin, CA 94568

**Project: Request for Water Supply Analysis for the At Dublin Project**

Dear Rhodora Biagtan,

This letter is following up on Shea Properties' request to enter into a Planning Services Agreement with DSRSD. As stated in the request, Shea Properties has submitted a planning application for a General Plan Amendment to change the land use designation of approximately 76 acres primarily bound by Tassajara Road, Interstate 580, Brannigan Street and Gleason Drive. The proposed project supports up to 680 residential units (mix of single-family homes, townhomes and apartments) and 450,000 square feet of commercial retail uses.

Pursuant to Senate Bill 610 and Senate Bill 221, the City of Dublin has determined that the project requires the completion of a Water Supply Analysis.

If you have any questions please feel free to contact me at 925-556-4557 or via email at [amy.million@dublin.ca.gov](mailto:amy.million@dublin.ca.gov).

Sincerely,

Amy Million  
Principal Planner

CC Elizabeth Cobb, Shea Properties

**City Council**  
925.833.6650  
**City Manager**  
925.833.6650  
**Community Development**  
925.833.6610  
**Economic Development**  
925.833.6650  
**Finance/IT**  
925.833.6640  
**Fire Prevention**  
925.833.6606  
**Human Resources**  
925.833.6605  
**Parks & Community Services**  
925.833.6645  
**Police**  
925.833.6670  
**Public Works**  
925.833.6630

100 Civic Plaza  
Dublin, CA 94568  
P 925.833.6650  
F 925.833.6651  
[www.dublin.ca.gov](http://www.dublin.ca.gov)

RESOLUTION NO. \_\_\_\_\_

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT APPROVING THE WATER SUPPLY ASSESSMENT FOR THE AT DUBLIN PROJECT

---

WHEREAS, Shea Properties Management Company, Inc. (Shea) is the managing partner of a joint venture with SCS Development Company, Award Homes, Inc., and SCS Dublin Realty LLC, for the development of the AT Dublin Project (Project) in Dublin; and

WHEREAS, Shea has submitted a planning application with the City of Dublin (City); and

WHEREAS, under 2001 Senate Bill 610 (SB 610,) development projects consisting of residential projects with greater than 500 units and commercial projects employing more than 1,000 persons or having greater than 250,000 square feet require a project-specific water supply assessment prior to project approval; and

WHEREAS, under 2001 Senate Bill 221 (SB 221,) development projects consisting of subdivisions of more than 500 dwelling units require written verification of sufficient water supply prior to project approval; and

WHEREAS, the proposed Project consists of up to 680 residential units and 450,000 square feet of commercial space, and meets the project description that requires an SB 610 water supply assessment and an SB 221 verification of sufficient water supply; and

WHEREAS, on December 4, 2017, the City of Dublin, as the lead agency, has requested a project-specific water supply assessment and verification of water supply in accordance with the 2001 Senate Bills 610 and 221; and

WHEREAS, as the water supplier for the project, the District is required to complete and the District Board approve the water supply assessment within 90 days of written request; and

WHEREAS, the District has completed the water supply assessment and verification of water supply in accordance with the 2001 Senate Bills 610 and 221 and prepared the AT Dublin Project Water Supply Assessment; and

WHEREAS, the assessment finds that the District has available water supply and verifies that water supply is sufficient for the AT Dublin Project.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California, as follows:

The AT Dublin Project Water Supply Assessment, attached hereto and incorporated herein as

Res. No. \_\_\_\_\_

Exhibit "A" is hereby approved, and the General Manager is authorized to submit the AT Dublin Project Water Supply Assessment to the City of Dublin and Shea Properties Management Company, Inc.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 20th day of February, 2018, and passed by the following vote:

AYES:

NOES:

ABSENT:

---

Georange M. Vonheeder-Leopold, President

ATTEST: \_\_\_\_\_  
Nicole Genzale, District Secretary



# DSRSD: AT Dublin Project Water Supply Assessment

Prepared for  
**Dublin San Ramon Services District**  
February 2018



406-12-17-60

 This report printed on 50% post-consumer paper

WEST YOST ASSOCIATES  
*consulting engineers*

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FINAL | FEBRUARY 2018

# DSRSD: AT Dublin Project Water Supply Assessment

---

Prepared for

## Dublin San Ramon Services District

Project No. 406-12-17-60



*Kambria Tiano*

---

Project Engineer: Kambria Tiano, PE

02-06-18

Date

*Elizabeth Drayer*

---

QA/QC Review: Elizabeth Drayer, PE

02-06-18

Date

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Sunnyvale, CA 94085  
(408) 451-8453

**Walnut Creek**

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Walnut Creek, CA 94596  
(925) 949-5800



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# DSRSD: AT Dublin Project

## Water Supply Assessment

### EXECUTIVE SUMMARY

#### Overview

This Water Supply Assessment (WSA) has been prepared for the Dublin San Ramon Services District (DSRSD) by West Yost Associates (West Yost) in accordance with Water Code sections 10910 through 10915 in connection with the proposed AT Dublin Project (Proposed Project). The Proposed Project is located in the City of Dublin, California, and consists of approximately 77 acres of new development. The Proposed Project is bounded by Tassajara Road to the west, Brannigan Street to the east, Interstate 580 (I-580) to the south, and a sliver to the north of Gleason Drive. The Proposed Project area currently consists entirely of vacant, developable parcels. In July 2017, the property changed ownership to the SCS Development Company (SCS).

The Proposed Project is a new, mixed-use residential community in the center of Dublin that will provide retail and entertainment options in a pedestrian-oriented setting. The Proposed Project consists of up to 290 apartments with ground-floor retail, 200 townhomes, and 180 single family homes located along developed paths to provide easy access to the retail, entertainment, and hospitality options available in the development. The Proposed Project also consists of up to 415,000 square feet of commercial development, including up to 240 hotel rooms.

#### Potable and Recycled Water Demands

The projected potable and recycled water demands for buildout of the Proposed Project have been calculated for the Proposed Project's land uses. The calculated demands for buildout of the Proposed Project are summarized as follows:

- Potable Water Demand = 229 acre-feet per year (AFA)
- Recycled Water Demand = 28 AFA

The potable water demand calculated for the Proposed Project, based on the current proposed land uses, is higher than the potable water demand included in the DSRSD 2015 UWMP for the Proposed Project site (which was 185 AFA). However, projected reductions in the potable water demands from four other planned developments located in the DSRSD water service area offset the increase in potable water demand calculated for the Proposed Project.

The recycled water demand calculated for the Proposed Project based on the current proposed land uses is higher than the recycled water demand included in the DSRSD 2015 UWMP for the Proposed Project (which was 7 AFA). As described in this WSA, recycled water supplies are proposed for use at the Proposed Project; however, if insufficient recycled water supplies are available, there are adequate potable water supplies available to meet the Proposed Project's irrigation demands.

Summaries of the availability and reliability of potable and recycled water supplies to serve the projected water demands for the Proposed Project are discussed below.

# DSRSD: AT Dublin Project

## Water Supply Assessment



### Potable Water Supply Availability and Reliability

As discussed in this WSA, the Zone 7 Water Agency (Zone 7) is DSRSD's sole potable water supplier and Zone 7 is aggressively planning for water supply programs and projects to meet the water demands of its customers through buildout of their adopted General Plans. According to Zone 7's 2015 UWMP, Zone 7 does not anticipate any water supply shortage during Normal, Single Dry, and Multiple Dry water years through 2035.

DSRSD plans to continue to manage potable water demands within its water service area through conservation efforts and its recycled water program. However, if supply shortages should occur, DSRSD may have to invoke its *Water Shortage Contingency and Drought Plan*, described in its 2015 UWMP.

Therefore, pursuant to Water Code section 10910(c)(4), and based on the technical analyses described in this WSA and the DSRSD 2015 UWMP, DSRSD finds that the projected potable water demands for the Proposed Project can be met by DSRSD during Normal, Single Dry, and Multiple Dry water years for a 20-year projection with no water supply shortage.

### Recycled Water Supply Availability and Reliability

As described in this WSA, the projected recycled water demands for the Proposed Project are more than those included for the Proposed Project site in the DSRSD 2015 UWMP. Since 1999, DSRSD has operated an extensive recycled water system to produce and deliver recycled water for irrigation purposes throughout its service area. Recycled water is proposed for use at the Proposed Project, and will be used if available. However, the availability of source water supply currently limits the production of recycled water, particularly during peak demand periods. DSRSD anticipates resolving its current recycled water production limitations, but if the production limitations are not resolved, and if available recycled water supplies are insufficient to meet the irrigation demands for the Proposed Project, the irrigation demands for the Proposed Project can also be met with potable water through the potable water offset described in this WSA during Normal, Single Dry, and Multiple Dry water years for a 20-year projection with no water supply shortage.

### Verification of Sufficient Water Supply

In accordance with the requirements of SB 221, Section 8.0 of this WSA provides a verification of sufficient water supply to meet the projected demands associated with the Proposed Project, in addition to DSRSD's existing and planned future uses, including, but not limited to, industrial uses. There are no existing nor planned agricultural uses in the DSRSD service area.

# DSRSD: AT Dublin Project

## Water Supply Assessment



### 1.0 INTRODUCTION

#### 1.1 Legal Requirement for Water Supply Assessment

California Senate Bill 610 (SB 610) and Senate Bill 221 (SB 221) amended state law, effective January 1, 2002, to improve the link between information on water supply availability and certain land use decisions made by cities and counties. SB 610 and SB 221 were companion measures which sought to promote more collaborative planning between local water suppliers and cities and counties. Both statutes require detailed information regarding water availability to be provided to the city and county decision-makers prior to approval of specified large development projects. The purpose of this coordination is to ensure that prudent water supply planning has been conducted, and that planned water supplies are adequate to meet existing demands, anticipated demands from approved projects and tentative maps, and the demands of proposed projects.

SB 610 amended California Water Code sections 10910 through 10915 (inclusive) to require land use lead agencies to:

- Identify any public water purveyor that may supply water for a proposed development project; and
- Request a Water Supply Assessment (WSA) from the identified water purveyor.

The purpose of the WSA is to demonstrate the sufficiency of the purveyor's water supplies to satisfy the water demands of the proposed project, while still meeting the water purveyor's existing and planned future uses. Water Code sections 10910 through 10915 delineate the specific information that must be included in the WSA.

SB 221 amended State law (California Government Code section 66473.7) to require that approval by a city or county of certain residential subdivisions<sup>1</sup> requires an affirmative written verification of sufficient water supply. SB 221 was intended as a fail-safe mechanism to ensure that collaboration on finding the needed water supplies to serve a new large residential subdivision occurs before construction begins.

#### 1.2 Need for and Purpose of Water Supply Assessment

The City of Dublin has requested that the Dublin San Ramon Services District (DSRSD) prepare a WSA as required by Water Code sections 10910 through 10915 in connection with the proposed AT Dublin Project (Proposed Project). It is not to reserve water, or to function as a "will serve" letter or any other form of commitment to supply water (see Water Code section 10914). The provision of water service will continue to be undertaken in a manner consistent with applicable policies and procedures, consistent with existing law.

This WSA for the Proposed Project has been prepared by West Yost Associates (West Yost), as requested by DSRSD, the responsible water purveyor for the Proposed Project.

<sup>1</sup> Per Government Code Section 66473.7(a)(1) subdivision means a proposed residential development of more than 500 dwelling units.

# DSRSD: AT Dublin Project

## Water Supply Assessment



### 1.3 Water Supply Assessment Preparation, Format and Organization

The format of this WSA is intended to follow Water Code sections 10910 through 10915 to clearly delineate compliance with the specific requirements for a WSA. This WSA includes the following sections:

- Section 1: Introduction
- Section 2: Description of Proposed Project
- Section 3: Required SB 610 Determinations
- Section 4: DSRSD Water Demands
- Section 5: DSRSD Water Supplies
- Section 6: Water Supply Reliability
- Section 7: Determination of Water Supply Sufficiency Based on the Requirements of SB 610
- Section 8: Verification of Sufficient Water Supply Based on the Requirements of SB 221
- Section 9: Water Supply Assessment and Verification Approval Process
- Section 10: References

Relevant citations of Water Code sections 10910 through 10915 are included throughout this WSA in *italics* to demonstrate compliance with the specific requirements of SB 610.

# DSRSD: AT Dublin Project

## Water Supply Assessment

### 1.4 Acronyms and Abbreviations

The following acronyms and abbreviations have been used throughout this WSA.

AF	Acre-feet
AFA	Acre-feet per year
BBID	Byron Bethany Irrigation District
CEQA	California Environmental Quality Act
DERWA	DSRSD-EBMUD Recycled Water Authority
DSRSD	Dublin San Ramon Services District
du	Dwelling unit
DWR	California Department of Water Resources
EBMUD	East Bay Municipal Utility District
EIR	Environmental Impact Report
FAR	Floor Area Ratio
GMP	Groundwater Management Plan
gpd	Gallons per day
GPQ	Groundwater Pumping Quota
M&I	Municipal and industrial
MFUV	Microfiltration Ultraviolet treatment facilities
mgd	Million gallons per day
MOU	Memorandum of Understanding
RFTA	Reserve Forces Training Area
RWQCB	Regional Water Quality Control Board
RWTF	Recycled Water Treatment Facilities
SB 610	California State Senate Bill 610 of 2001
SBA	South Bay Aqueduct
sf	Square feet
SFUV	Sand Filtration Ultraviolet Treatment Facilities
SWP	State Water Project
TDS	Total Dissolved Solids
UWMP	Urban Water Management Plan
West Yost	West Yost Associates
WSA	Water Supply Assessment
Zone 7	Zone 7 of the Alameda County Flood Control and Water Conservation District (also referred to as the Zone 7 Water Agency)

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# DSRSD: AT Dublin Project

## Water Supply Assessment



### 2.0 DESCRIPTION OF PROPOSED PROJECT

#### 2.1 Proposed Project Location

The Proposed Project is located in the City of Dublin in Alameda County, California, and consists of approximately 77 acres of new development located within the DSRSD water service area. As shown on Figure 2-1, the Proposed Project is bounded by Tassajara Road to the west, Brannigan Street to the east, I-580 to the south, and a sliver to the north of Gleason Drive.<sup>2</sup> The Proposed Project area currently consists entirely of vacant, developable parcels. In July 2017, the property changed ownership to the SCS Development Company (SCS).

#### 2.2 Proposed Project Land Uses

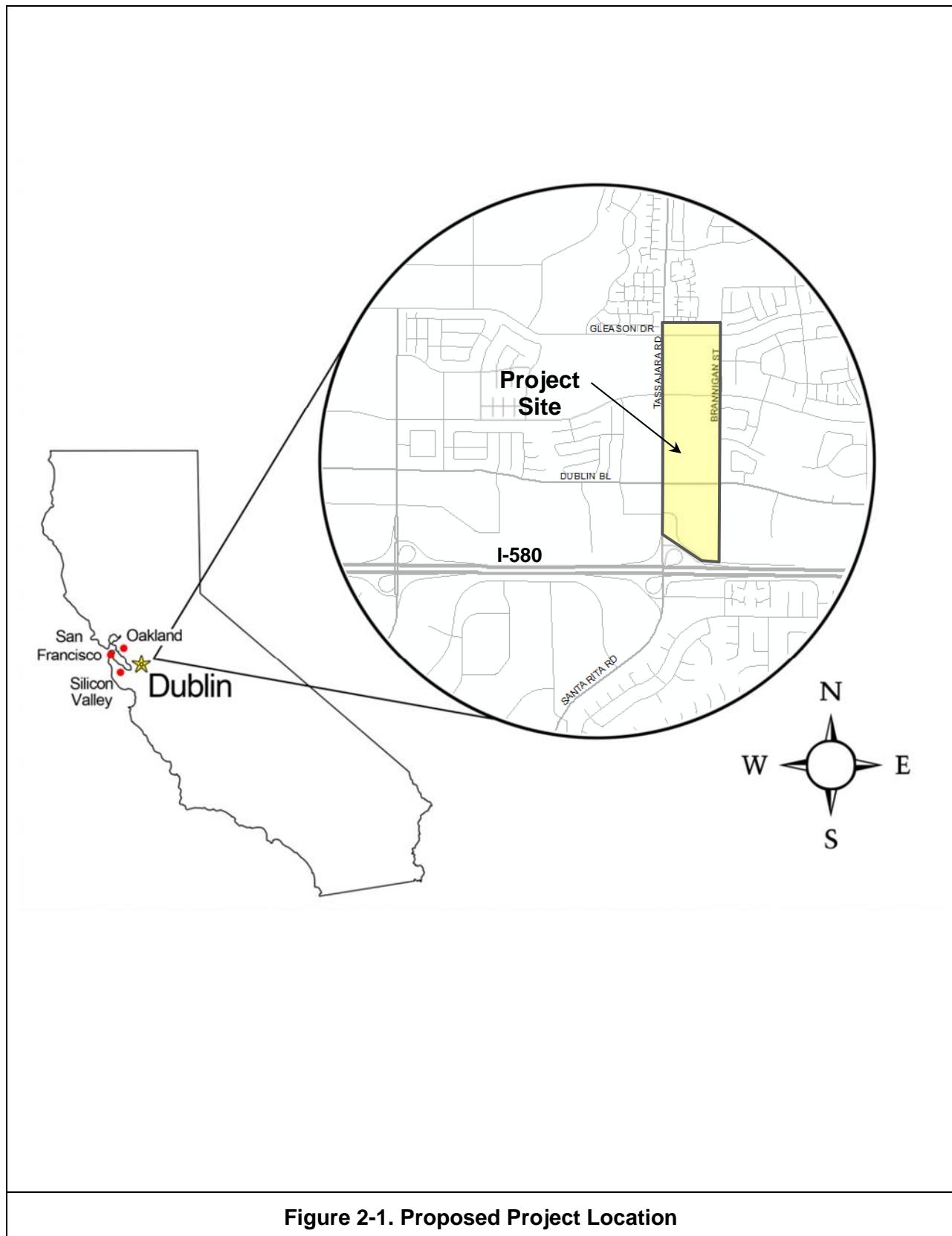
The Proposed Project is envisioned as a mixed-use destination in the center of Dublin with commercial, retail, and residential land uses. The Proposed Project consists of up to 670 residential units and up to 415,000 square feet of commercial, including up to 240 hotel rooms. Residential units will include up to 290 apartments with ground-floor retail, 200 townhomes, and 180 single family homes located along developed paths to provide easy access to the retail, entertainment, and hospitality options available in the development.

Key features of the Proposed Project include:

- An amenity-rich, mixed-use destination with upscale retail, entertainment, and dining to encourage the use of the site as a local gathering place;
- A “town square” style retail area with a theatre, dining amenities, and open space;
- An apartment community integrated with ground-floor retail to serve as a mixed-use village in the core of the development, between Dublin Boulevard and Central Parkway;
- Single-family townhomes centered around a village green to provide open air concerts, community fairs, and other outdoor entertainment;
- Single-family detached homes connected to amenities by a network of pathways, gardens, and courtyards, and approximately 3 acres of connecting open space; and
- Right-of-way improvements of 6 to 7 acres.

The Proposed Project will provide residential, entertainment, dining, and retail diversity to the center of Dublin, securing a sense of community in this currently vacant land. Table 2-1 presents a summary of the land uses for the Proposed Project.

<sup>2</sup> AT Dublin Fact Sheet, provided by Shea Properties on November 6, 2017.



**Table 2-1. Land Use Summary for Proposed Project<sup>(a)</sup>**

Land Use Designation	Total Net Acreage <sup>(b)</sup>	Permitted Density	Proposed Density	Total Development Potential <sup>(c)</sup>
General Commercial	23.2	0.2 to 0.6 FAR	0.33 FAR	336,500 square feet, including up to 240 hotel rooms
Mixed Use	16.0	0.3 to 1.0 FAR	0.6 FAR	78,500 commercial square feet plus 290 dwelling units
Medium High Density Residential	14.0	14.1 to 25.0 du/acre	14.3 du/ac	200 dwelling units
Medium Density Residential	23.5	6.1 to 14.0 du/acre	7.7 du/ac	180 dwelling units
<b>Total</b>	<b>76.7</b>			

(a) Based on the AT Dublin Land Use Plan - Proposed (sheet A03) dated January 17, 2018.

(b) Net acreage is equal to the gross area less street dedications.

(c) Unit counts and commercial square footage are preliminary. Stage 2 Development Plan and Site Development Review will establish the specific maximum number of units and commercial square footage.

# DSRSD: AT Dublin Project

## Water Supply Assessment



### 2.3 Comparison with Previous Land Use Descriptions in Other Planning Documents

The land use designations for the Proposed Project area in the current City of Dublin General Plan are primarily General Commercial, with some areas of Neighborhood Commercial, High Density Residential, Medium High Density Residential, Medium Density Residential, and a small area of Public/Semi-Public land use along Brannigan Street and Gleason Drive. As such, the development of the Proposed Project will require text and map amendments to the City of Dublin General Plan, text and map amendments to the Eastern Dublin Specific Plan, text and map amendments to the City of Dublin Zoning Ordinance, approval of a Large Lot Tentative Map, and adoption of a Development Agreement.

DSRSD's 2015 Urban Water Management Plan (UWMP) accounted for future commercial and residential development within the Proposed Project area. Land use assumptions for the Proposed Project area in DSRSD 2015 UWMP were based on the City of Dublin's General Plan; however, these assumptions are different than those currently proposed in the current AT Dublin development plan. Table 2-2 provides a comparison of current versus previously assumed land uses for the Proposed Project area.

### 2.4 Projected Water Demand

#### 2.4.1 Overall Water Use Assumptions

Projected water demands for the Proposed Project have been calculated based on the following overall water use assumptions:

- All interior water demands and some exterior water demands (e.g., exterior hose bibs and homeowner-maintained landscaping for AT Dublin Medium Density Residential and Medium High Density Residential) will be met using potable water supplies from DSRSD; and
- Exterior landscape irrigation water demands for Mixed Use and non-residential land uses with City-maintained or Homeowner Association (HOA)-maintained landscaping will be met using recycled water supplies from DSRSD, if available.

#### 2.4.2 Water Use Factors

The projected potable and recycled water demands for the Proposed Project have been calculated based on the currently proposed land uses for the Proposed Project. DSRSD has adopted standard unit water use factors for use in projecting potable and recycled water demands based on the proposed land use, the number of dwelling units or square footage, and whether recycled water is proposed for exterior water uses.

**Table 2-2. Comparison of Current and Previous Land Use Assumptions  
for Proposed Project Area**

Land Use Category	Currently Proposed Land Use <sup>(a)</sup> (based on the AT Dublin Land Use Plan dated January 17, 2018)	Previously Assumed Land Use (based on 2016 DSRSD Water System Master Plan)
Residential	Residential (up to 670 Dwelling Units) <ul style="list-style-type: none"> <li>• Medium Density Residential: 180 dus</li> <li>• Medium High Density Residential: 200 dus</li> <li>• High Density Residential: 290 dus</li> </ul>	Residential (up to 375 Dwelling Units) <ul style="list-style-type: none"> <li>• Medium Density Residential: 16 dus</li> <li>• Medium High Density Residential: 170 dus</li> <li>• High Density Residential: 189 dus</li> </ul>
	Commercial & Mixed Use (39.2 acres) <ul style="list-style-type: none"> <li>• General Commercial: 336,500 sf</li> <li>• Mixed Use - Commercial: 78,500 sf</li> <li>• Hotel Rooms: 240<sup>(b)</sup></li> </ul>	Commercial (54.2 acres) <ul style="list-style-type: none"> <li>• Retail: 590,000 sf</li> </ul>
		Public/Semi-Public (0.9 acres) <ul style="list-style-type: none"> <li>• Public: 9,800 sf</li> </ul>

<sup>(a)</sup> Based on the AT Dublin Land Use Plan - Proposed (sheet A0.3) dated January 17, 2018.

<sup>(b)</sup> Hotel square footage (150,000 sf) is included in the General Commercial square footage.

# DSRSD: AT Dublin Project

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### 2.4.2.1 Potable Water Use Factors

The unit potable water demand factors currently used by DSRSD are shown in Table 2-3. These standard water use factors were developed for use in the DSRSD 2016 Water System Master Plan and have been refined based on actual water use trends observed in DSRSD's water service area, and were used for water supply planning purposes in the DSRSD 2015 UWMP to project future potable water demands within DSRSD's water service area.

A recent evaluation of the actual potable water use for hotels within the DSRSD service area from 2013 to 2017 indicates that the average potable water demand per hotel room is approximately 115 gpd. Based on these findings, the Commercial – Retail potable water use factor for the Proposed Project was increased from 0.14 gpd/ft<sup>2</sup> to 0.156 gpd/ft<sup>2</sup> to account for the additional potable water use for up to 240 hotel rooms.

### 2.4.2.2 Recycled Water Use Factors

It is assumed that recycled water will be used for exterior landscape irrigation for all residential and non-residential land uses with City-maintained or HOA-maintained landscaping within the Proposed Project. DSRSD's 2016 Water System Master Plan established a methodology for calculating the recycled water demand for various land use types based on several factors, including: percentage of total area irrigable; percentage of irrigable area to use recycled water; an irrigation factor based on plant type; and a unit water demand of 48 inches per year was assumed for calculating future recycled water demands. A summary of DSRSD's other recycled water planning assumptions for each land use category is provided in Table 2-4.

### 2.4.3 Calculation of Potable and Recycled Water Demands

The projected buildout potable and recycled water demands for the Proposed Project have been calculated using the unit water demand factors discussed above. As shown in Table 2-5, the calculated buildout demands for the Proposed Project are 229 AFA for potable water and 28 AFA for recycled water.

### 2.4.4 Comparison with Water Demand Calculations in Other Planning Documents

The potable and recycled water demands for the Proposed Project site incorporated in the 2016 Water System Master Plan and subsequent DSRSD 2015 UWMP are based on different land use assumptions for the Proposed Project site (refer to Table 2-2). Therefore, it is expected that the current projected water demands would be different from the 2016 Water System Master Plan and DSRSD 2015 UWMP. The 2016 Water System Master Plan and DSRSD 2015 UWMP projected the potable water demand to be 185 AFA and the recycled water demand to be 7 AFA for the Proposed Project.

The potable water demand currently calculated for the Proposed Project (229 AFA) is higher than the potable water demand included in the DSRSD 2015 UWMP (185 AFA), and the recycled water demand currently calculated for the Proposed Project (28 AFA) is higher than the recycled water demand included in the DSRSD 2015 UWMP (7 AFA).

**Table 2-3. Potable Water Demand Factors by Land Use Type**

Land Use Designation	Unit for Interior Use	Unit Water Use Factor <sup>(a)</sup>	
		Interior Use	Exterior Use, gpd/acre <sup>(b)</sup>
<b>Residential</b>			
Rural	gpd/du	730	--
Low Density	gpd/du	350	--
Low-Medium Density	gpd/du	300	--
Medium Density	gpd/du	255	--
Medium-High Density	gpd/du	160	--
High Density	gpd/du	135	--
<b>Commercial</b>			
Commercial Retail	gpd/ft <sup>2</sup>	0.14	267.8
Commercial Office	gpd/ft <sup>2</sup>	0.10	267.8
<b>Industrial</b>			
Business Park	gpd/ft <sup>2</sup>	0.06	267.8
<b>Mixed Use</b>			
Mixed Use	gpd/ft <sup>2</sup>	0.27	267.8
<b>Public</b>			
Public/Semi-Public	gpd/ft <sup>2</sup>	0.05	267.8
Elementary School	gpd/student	10	267.8
Middle School	gpd/student	15	267.8
High School	gpd/student	20	267.8
<b>Open Space</b>			
Neighborhood Park	gpd/acre	125	--
Community Center	gpd/visitor	8	--
Golf Course	gpd/golfer	12	--

<sup>(a)</sup> Source: Table 3-16, DSRSD Water System Master Plan, March 2016.

<sup>(b)</sup> Assumes extensive use of recycled water for exterior landscaping and minimal potable water use on non-residential land uses equal to 10 percent of the exterior landscaping water demand of 3.0 af/acre/yr (0.3 af/acre/yr = 267.8 gpd/acre).

**Table 2-4. Recycled Water Demand Factors by Land Use Type<sup>(a)</sup>**

Land Use Designation	Percent of Area Irrigable, %	Percent of Irrigation Demand Met with Recycled Water, %	Plant Type Irrigation Factor <sup>(b)</sup>
Administration & Classrooms	25	95	0.9
Aquatic Park - visitors at specific features	15	30	0.9
Barracks	0	0	0.9
Child Care Facility	25	95	0.9
Commercial - Neighborhood Commercial	15	100	0.8
Commercial - Office	15	100	0.8
Commercial - Office/Hotel	15	100	0.8
Commercial - Retail	15	100	0.8
Community Center	25	100	0.8
Community Support Facilities (Dining, laundry, etc)	0	0	0.8
Corridor	50	100	0.8
Hospital (equiv to med-high Residential)	10	80	0.9
Industrial - Business Park	20	100	0.9
Inmates in Jail (Santa Rita County Jail)	15	50	0.9
Mixed Use	15	100	0.9
Neighborhood Square	25	100	0.9
Open Space - City Park/Community Center (SP)	80	75	1.0
Open Space - City Park/Community Park	80	100	1.0
Open Space - Golf Course	80	95	1.0
Open Space - Neighborhood Park	80	75	1.0
Open Space - Open Space	0	0	1.0
Open Storage	30	30	0.9
Other	25	95	0.9
Parking	0	0	0.0
Public - Community College	25	95	0.9
Public - Elementary School	25	95	0.9
Public - Elementary School - No Recycled Water Use	25	95	0.9
Public - High School	25	95	0.9
Public - Middle School	25	95	0.9
Public - Public/Semi-Public	25	95	0.9
Recreation	0	0	0.0
Residential - High	8	80	0.9
Residential - High (Hotel Expansion)	8	30	0.9
Residential - Low	30	0	0.9
Residential - Low Medium	15	40	0.9
Residential - Medium	15	30	0.9
Residential - Medium High	10	80	0.9
Retail	0	0	0.8
Roads	0	0	0.0
Rural	95	0	1.0
School	80	100	0.9
Warehouses and Closed Storage	15	100	0.9

<sup>(a)</sup> Recycled water demands spreadsheet, "RW Demand Tool\_Revisedv2.xlsx", provided by Carollo. Used to calculate recycled water demand in the 2016 DSRSD Water System Master Plan.

<sup>(b)</sup> Plant Type Irrigation Factor indicates the type of plant assumed to be irrigated. A factor of 1.0 represents higher water use plants such as turf grass.

Table 2-5. Potable and Recycled Water Demands for the Proposed Project

Development	Land Use Data				Potable Water Demand				Recycled Water Demand									
	Land Use Designation	Area, acres	Quantity	Units	Interior Water Use Factor	Units	Exterior Water Use Factor, gpd/acre	Potable Water Demand, mgd	Potable Water Demand, AFA	Residential Density, DU/acre	Area, acres	Percent of Irrigable, %	Percent of Irrigation with Recycled Water, %	Unit Demand, inches/yr	Normal Irrigation Demand, AFA	Plant Type Factor	Recycled Water Demand, mgd	Recycled Water Demand, AFA
AT Dublin Project	Residential - Medium Density	24	180	du	255	gpd/du		0.049	54.7	6.1-14.0	24	15%	30%	48	4.2	0.9	0.003	3.8
	Residential - Medium High Density	14	200	du	160	gpd/du		0.034	38.1	14.1-25.0	14	10%	80%	48	4.5	0.9	0.004	4.0
	Residential - High Density (part of Mixed Use)	16	290	du	135	gpd/du		0.042	46.7		16	15%	100%	48	9.6	0.9	0.008	8.6
	Commercial - Retail (part of Mixed Use)		78,500	ft <sup>2</sup>	0.156	gpd/ft <sup>2</sup>	267.8	0.018	19.7									
	Commercial - Retail	23	336,500	ft <sup>2</sup>	0.156	gpd/ft <sup>2</sup>	267.8	0.062	70.0		23	15%	100%	48	13.9	0.8	0.010	11.1
	<b>TOTAL</b>		<b>77</b>	<b>670</b>	<b>DU</b>			<b>0.20</b>	<b>229</b>		<b>77</b>						<b>0.02</b>	<b>28</b>

## Notes:

Land uses, areas and quantities per AT Dublin Land Use Plan - Proposed (sheet A0.3) dated January 17, 2018.

The Commercial - Retail land use includes 150,000 square feet of hotel (240 rooms).

Potable water use based on DSRSD unit water demand factors (2016 DSRSD Water System Master Plan).

The Commercial - Retail interior water use factor is higher than the 0.14 gpd/ft<sup>2</sup> provided for in the 2016 DSRSD Water System Master Plan, as it accounts for a hotel water use factor of 115 gpd/room (based on historical hotel water use data within the DSRSD water service area).

Potable water demand includes unaccounted-for water, assuming 6% potable water loss (per the 2016 DSRSD Water System Master Plan).

Recycled water use assumed for irrigation for all proposed land uses.

Recycled water factors (% irrigable and % irrigated with recycled water) based on 2016 Water System Master Plan. Unit irrigation demand assumed to be 48 inches per year.

Recycled water factor for Residential - High Density / Commercial - Retail corresponds to Mixed Use land use (2016 Water System Master Plan).

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# DSRSD: AT Dublin Project

## Water Supply Assessment



### 3.0 REQUIRED SB 610 DETERMINATIONS

#### 3.1 Does SB 610 Apply to the Proposed Project?

*10910 (a) Any city or county that determines that a project, as defined in Section 10912, is subject to the California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) under Section 21080 of the Public Resources Code shall comply with this part.*

*10912 (a) "Project" means any of the following:*

- (1) *A proposed residential development of more than 500 dwelling units.*
- (2) *A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet of floor space.*
- (3) *A proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space.*
- (4) *A proposed hotel or motel, or both, having more than 500 rooms.*
- (5) *A proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area.*
- (6) *A mixed-use project that includes one or more of the projects specified in this subdivision.*
- (7) *A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500-dwelling unit project.*

As shown in Table 3-1, the Proposed Project does meet the definition of a "Project" as specified in Water Code section 10912(a)(7). The Proposed Project has not been the subject of a previously adopted WSA and has not been included in an adopted WSA for a larger project. Therefore, according to Water Code section 10910(a), a WSA is required for the Proposed Project.

The City of Dublin has also determined that the Proposed Project is subject to the California Environmental Quality Act (CEQA) and that an Environmental Impact Report (EIR) is required.

#### 3.2 Does SB 221 Apply to the Proposed Project?

In 2001, SB 221 amended State law to require that approval by a city or county of certain residential subdivisions requires an affirmative written verification of sufficient water supply. Per California Government Code section 66473.7(a)(1), a subdivision means a proposed residential development of more than 500 dwelling units. The Proposed Project, with up to 670 new residential dwelling units in DSRSD's water service area, is therefore subject to the requirements of SB 221. Section 8.0 of this WSA provides the required written verification of sufficient water supply.

**Table 3-1. Does the Proposed Project Meet the SB 610 Definition of a “Project”?**

SB 610 Project Definition Components	Proposed Project Quantity	Meets the SB 610 Definition of a “Project”?
Residential > 500 dus	Up to 670 dus	YES
Retail > 1,000 employees or > 500,000 sf	Up to 415,000 sf	NO
Commercial Office Building > 1,000 employees or > 250,000 sf	N/A	NO
Hotel/Motel > 500 rooms	Up to 240 rooms	NO
Industrial Plant/Park > 1,000 employees or > 40 acres or > 650,000 sf	N/A	NO
Mixed Use Project that includes one or more of the above	--	YES
A Project that would demand the amount of water required by a 500-dwelling unit project	--	YES
SB 610 Required?	--	YES

## DSRSD: AT Dublin Project Water Supply Assessment



### 3.3 Who is the Identified Public Water System?

*10910(b) The city or county, at the time that it determines whether an environmental impact report, a negative declaration, or a mitigated negative declaration is required for any project subject to the California Environmental Quality Act pursuant to Section 21080.1 of the Public Resources Code, shall identify any water system that is, or may become as a result of supplying water to the project identified pursuant to this subdivision, a public water system, as defined by Section 10912, that may supply water for the project*

*10912 (c) "Public water system" means a system for the provision of piped water to the public for human consumption that has 3,000 or more service connections...*

The Proposed Project is located within DSRSD's water service area. DSRSD provides water service to all areas within the City of Dublin (including Central Dublin, Eastern Dublin, and Western Dublin), Camp Parks, and the Dougherty Valley area in Contra Costa County (see Figure 3-1), and maintains the potable water facilities in the streets adjacent to the Proposed Project site, including Tassajara Road, Dublin Boulevard, Central Parkway, Gleason Drive, and Brannigan Street. Additionally, DSRSD also currently treats and distributes recycled water to water customers in its service area. Therefore, DSRSD is the identified public water system for the Proposed Project.

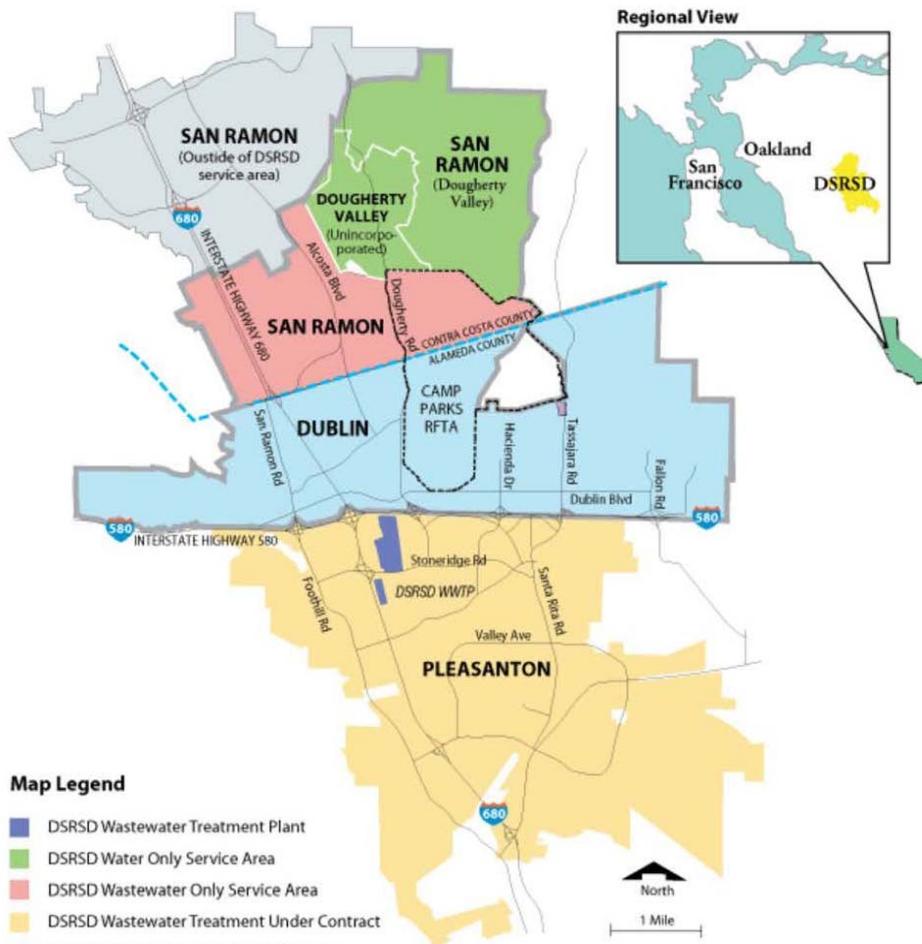
### 3.4 Does DSRSD have an adopted Urban Water Management Plan (UWMP) and does the UWMP include the projected water demand for the Proposed Project?

*10910(c)(1) The city or county, at the time it makes the determination required under Section 21080.1 of the Public Resources Code, shall request each public water system identified pursuant to subdivision (b) to determine whether the projected water demand associated with a proposed project was included as part of the most recently adopted urban water management plan adopted pursuant to Part 2.6 (commencing with Section 10610).*

DSRSD's 2015 UWMP was adopted by the DSRSD Board of Directors in June 2016. The DSRSD 2015 UWMP includes existing and projected water demands for existing and projected future land uses within DSRSD's service area. Table 3-2 provides a summary of the currently projected potable and recycled water demands for the Proposed Project, as compared to those included in the DSRSD 2015 UWMP.

As shown in Table 3-2, the potable water demand calculated for the Proposed Project based on the current proposed land uses is higher than the potable water demand included in the DSRSD 2015 UWMP for the Proposed Project site. However, projected reductions in the potable water demands from four other planned developments located in the DSRSD water service area offset the increase in potable water demand calculated for the Proposed Project. Therefore, the net resulting potable water demand is lower than the potable water demand documented in the DSRSD 2015 UWMP due to the reduced potable water demands from the following planned developments: The Green; Grafton Plaza; Lennar Homes (Sub Area 3); and Gale Ranch (Amarante).<sup>3</sup>

<sup>3</sup> Updated land use data provided by DSRSD staff on January 10, 2018.



**Figure 3-1. DSRSD Water and Wastewater Service Area**

**Table 3-2. Summary of Projected Potable and Recycled Water Demands  
for the Proposed Project**

Source Document	Land Use Assumptions	Potable Water Demand (Difference from 2015 UWMP)	Recycled Water Demand (Difference from 2015 UWMP)
DSRSD 2015 UWMP <sup>(a)</sup>	Based on the City of Dublin General Plan Land Use Map (updated August 26, 2014)	185 AFA	7 AFA
AT Dublin Stage 1 Development Plan	Proposed Land Use Plan (dated January 17, 2018) (see Table 2-1)	229 AFA ( + 44 AFA )	28 AFA ( + 21 AFA )

<sup>(a)</sup> The projected demands in DSRSD's 2015 UWMP are based on land use projections as documented in DSRSD's 2016 Water System Master Plan.

## DSRSD: AT Dublin Project Water Supply Assessment



The recycled water demand calculated for the Proposed Project based on the current proposed land uses is also higher than the recycled water demand included in the DSRSD 2015 UWMP for the Proposed Project site. DSRSD has operated an extensive recycled water system to produce and deliver recycled water for irrigation purposes throughout its service area. Recycled water is proposed for use for the Proposed Project, and will be used if available. However, the availability of source water supply currently limits the production of recycled water, particularly during peak demand periods (see further discussion in Section 5.4). DSRSD anticipates resolving its current recycled water production limitations, but if the production limitations are not resolved, and if available recycled water supplies are insufficient to meet the irrigation demands for the Proposed Project, the irrigation demands for the Proposed Project can also be met with potable water through the potable water offset described above.

# DSRSD: AT Dublin Project

## Water Supply Assessment



### 4.0 DSRSD WATER DEMANDS

*10910(c)(2) If the projected water demand associated with the proposed project was accounted for in the most recently adopted urban water management plan, the public water system may incorporate the requested information from the urban water management plan in preparing the elements of the assessment required to comply with subdivisions (d), (e), (f) and (g).*

The descriptions provided below for the DSRSD water demands have been taken, for the most part, from DSRSD's 2016 Water System Master Plan (dated March 2016) and DSRSD's 2015 UWMP (adopted in June 2016).

As described in Section 3.4, although the projected potable water demands for the Proposed Project are higher than the potable water demands included in the DSRSD 2015 UWMP, the increased potable water demands for the Proposed Project are offset by a reduction in potable water demands associated with updated development plans for other development projects.

The projected recycled water demands for the Proposed Project are also higher than the recycled water demands included in the DSRSD 2015 UWMP. Recycled water is proposed to be used for the Proposed Project, and will be used if available. However, if available recycled water supplies are insufficient to meet the irrigation demands for the Proposed Project, the irrigation demands for the Proposed Project can also be met with potable water through the potable water offset (see further discussion in Section 5.4).

#### 4.1 Historical and Existing Water Demands

According to DSRSD's 2016 Water System Master Plan, the DSRSD water service area has experienced significant population growth. From 2010 through 2015, DSRSD's water service area population had grown by 20.2 percent; however, the total volume of potable water sold decreased by 19.4 percent. This decrease in total potable water consumption, despite growth in population served, was due to water use limitations imposed under DSRSD's 2014 Community Drought Declaration during the recent statewide drought. Table 4-1 summarizes DSRSD's historical potable water demand (based on water production) and recycled water demand for 2010 through 2015.

**Table 4-1. Historical Potable and Recycled Water Demands**

	2010	2011	2012	2013	2014	2015
Total Potable Water Demand <sup>(a,c)</sup> , AFA	9,262	9,565	10,264	11,244	8,549	7,466
Total Recycled Water Demand <sup>(b,d)</sup> , AFA	1,695	1,916	2,080	2,362	2,528	2,579

(a) Source: DSRSD 2016 Water System Master Plan (dated March 2016), Table 3-1.  
 (b) Source: DSRSD 2016 Water System Master Plan (dated March 2016), Table 3-22.  
 (c) Includes the historical annual water purchased from Zone 7.  
 (d) Includes only recycled water deliveries within DSRSD's service area. Does not include recycled water use in City of Pleasanton or in EBMUD's service area. DSRSD data only includes demand in the recycled water distribution system and does not include water from recycled water fill stations at the treatment plant.

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### 4.2 Future Water Demands

Table 4-2 presents DSRSD's projected normal year potable and recycled water demands through 2040. These projections are based on projected land uses within DSRSD's potable and recycled water service areas. As presented in the table below, the projected potable water demand includes an estimate for unaccounted-for water of 6 percent of the total deliveries from Zone 7 to DSRSD. It should be noted that the updated demands from the Proposed Project are not included in the demands shown in Table 4-2 (demands are as included in DSRSD's 2015 UWMP).

<b>Table 4-2. Projected Potable and Recycled Water Demands -- Normal Years</b>					
	2020	2025	2030	2035	2040
Potable Water Demand <sup>(a)</sup> , AFA	13,678	14,554	15,223	15,840	15,840
Recycled Water Demand <sup>(a)</sup> , AFA	3,905	4,117	4,203	4,203	4,203

(a) Source: DSRSD 2015 UWMP (June 2016), Table 4-4.

As described in the DSRSD 2015 UWMP, the potable water and recycled water demand projections have been established based on DSRSD's continued strong commitment to the implementation of water conservation measures and use of recycled water to offset potable water demands. DSRSD plans to maintain the current level of conservation as the foundation of a comprehensive water conservation program and investigate and implement, as appropriate, permanent demand reduction programs that are shown to be effective and affordable. DSRSD also plans to continue to connect future, planned development projects to recycled water to serve non-potable demands.

### 4.3 Dry Year Water Demands

Under dry water year conditions, DSRSD anticipates implementing demand reduction measures as appropriate to reduce potable water demands to match the reduction in the supply provided by Zone 7. The demand reduction assumptions as included in DSRSD's 2015 UWMP are listed below.

- During Single Dry Years, the potable water demands are assumed to be 75 percent of Normal Year demands (25 percent reduction in water use). Recycled water demands are assumed to be the same as Normal Year demands.
- During Multiple Dry Years, the potable water demands are assumed to be 85 percent of Normal Year demands (15 percent reduction in water use). Recycled water demands are assumed to be the same as Normal Year demands.

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Tables 4-3 and 4-4 present the projected dry year potable water demand and recycled water demand through 2040 as presented in the DSRSD 2015 UWMP.

**Table 4-3. Projected Potable and Recycled Water Demands -- Single Dry Year**

	2020	2025	2030	2035	2040
Potable Water Demand <sup>(a)</sup> , AFA	10,258	10,915	11,417	11,880	11,880
Recycled Water Demand <sup>(a)</sup> , AFA	3,904	4,117	4,203	4,203	4,203

<sup>(a)</sup> Source: DSRSD 2015 UWMP (June 2016), Table 7-6.

**Table 4-4. Projected Potable and Recycled Water Demands -- Multiple Dry Years**

	2020	2025	2030	2035	2040
Potable Water Demand <sup>(a)</sup> , AFA	11,626	12,371	12,939	13,464	13,464
Recycled Water Demand <sup>(a)</sup> , AFA	3,904	4,117	4,203	4,203	4,203

<sup>(a)</sup> Source: DSRSD 2015 UWMP (June 2016), Table 7-9.

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### 5.0 DSRSD WATER SUPPLIES

*10910(c)(2) If the projected water demand associated with the proposed project was accounted for in the most recently adopted urban water management plan, the public water system may incorporate the requested information from the urban water management plan in preparing the elements of the assessment required to comply with subdivisions (d), (e), (f) and (g).*

*10910(d)(1) The assessment required by this section shall include an identification of any existing water supply entitlements, water rights, or water service contracts relevant to the identified water supply for the proposed project, and a description of the quantities of water received in prior years by the public water system...under the existing water supply entitlements, water rights, or water service contracts.*

*10910(e) If no water has been received in prior years by the public water system...under the existing water supply entitlements, water rights, or water service contracts, the public water system...shall also include in its water supply assessment...an identification of the other public water systems or water service contract holders that receive a water supply or have existing water supply entitlements, water rights, or water service contracts, to the same source of water as the public water system.*

*10910(f) If a water supply for a proposed project includes groundwater, the following additional information shall be included in the water supply assessment.*

- (1) *A review of any information contained in the urban water management plan relevant to the identified water supply for the proposed project.*
- (2) *A description of any groundwater basin or basins from which the proposed project will be supplied. For those basins for which a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the public water system, or the city or county if either is required to comply with this part pursuant to subdivision (b), has the legal right to pump under the order or decree. For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most recent bulletin of the department that characterizes the condition of the groundwater basin, and a detailed description by the public water system, or the city or county if either is required to comply with this part pursuant to subdivision (b), of the efforts being undertaken in the basin or basins to eliminate the long-term overdraft condition.*
- (3) *A detailed description and analysis of the amount and location of groundwater pumped by the public water system, or the city or county if either is required to comply with this part pursuant to subdivision (b), for the past five years from any groundwater basin from which the proposed project will be supplied. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historical use records.*
- (4) *A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the public water system, or the city or county if either is required to comply with this part pursuant to subdivision (b), from any basin from which the proposed project will be supplied. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historical use records.*
- (5) *An analysis of the sufficiency of the groundwater from the basin or basins from which the proposed project will be supplied to meet the projected water demand associated with the proposed project. A water assessment shall not be required to include the information required by this paragraph if the public water system determines, as part of the review required by paragraph (1), that the sufficiency of groundwater necessary to meet the initial and projected water demand associated with the project was addressed in the description and analysis required by paragraph (4) of subdivision (b) of Section 10631.*

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The descriptions provided below for DSRSD's water supplies have been taken, for the most part, from DSRSD's 2015 UWMP (adopted in June 2016) and Zone 7's 2015 UWMP (adopted in March 2016).

### 5.1 Water Supply Overview

DSRSD currently receives its potable water supply from Zone 7 Water Agency. Zone 7 is a multi-purpose agency that oversees water-related issues in the Livermore-Amador Valley. Zone 7 is a State Water Project contractor that wholesales treated water to four retail water agencies including DSRSD, City of Pleasanton, City of Livermore, and Cal Water Livermore District. In addition, Zone 7 retails non-potable water supplies for irrigated agricultural use, retails treated water to several direct customers, provides and maintains flood control facilities, and manages groundwater and surface water supplies in its service area. Zone 7's water supplies are discussed in detail in Section 5.2 (DSRSD Potable Water Supplies from Zone 7). DSRSD also has a groundwater pumping quota (GPQ) of 645 AFA in the Livermore Valley Main Groundwater Basin (Main Basin), which Zone 7 pumps on DSRSD's behalf as part of its water contract. This groundwater supply is discussed briefly in Section 5.2.4.2 and in detail in Section 5.3.

DSRSD's water supply is augmented with recycled water from its Recycled Water Treatment Facilities (RWTF). DSRSD owns and operates a wastewater treatment plant that treats wastewater from Dublin, South San Ramon, and Pleasanton. The wastewater treatment plant includes conventional secondary treatment facilities, as well as tertiary and advanced recycled water treatment facilities. The DSRSD-EBMUD Recycled Water Authority (DERWA) operates the San Ramon Valley Recycled Water Program (SRVRWP), a multi-phased project which distributes recycled water from the RWTF to portions of DSRSD's and EBMUD's service areas. DSRSD's recycled water production and distribution is discussed in Section 5.4.

### 5.2 DSRSD Potable Water Supplies from Zone 7

Zone 7 uses a combination of water supplies and water storage facilities to meet the municipal and industrial (M&I) demands of its four retailers (DSRSD, City of Pleasanton, City of Livermore, and Cal Water Livermore District). These include the following:

- Imported surface water from the State Water Project (SWP);
- Imported surface water transferred from the Byron Bethany Irrigation District (BBID);
- Local surface water runoff captured in Del Valle Reservoir;
- Local groundwater extracted from the Livermore Valley Main Groundwater Basin;
- Non-local groundwater storage in the Semitropic Water Storage District and Cawelo Water District; and
- Future local storage in the Chain-of-Lakes.

Each of these supplies is described further below.

# DSRSD: AT Dublin Project

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### 5.2.1 State Water Project (SWP)

In November 1961, Zone 7 entered into a 75-year agreement with the Department of Water Resources (DWR) to receive water from the State Water Project (SWP). The SWP is the nation's largest publicly-built water storage and conveyance system and currently serves over 25 million people throughout California. SWP water originates within the Feather River watershed, is captured in and released from Lake Oroville, and flows through the Sacramento-San Joaquin Delta before it is conveyed by the South Bay Aqueduct (SBA) to Zone 7 or by the California Aqueduct to other south-of-Delta SWP contractors.

The SBA also delivers water to other water suppliers, namely Santa Clara Valley Water District and Alameda County Water District. Lake Del Valle is part of the SBA system and is used for storage of SWP water, as well as local runoff. At Zone 7, SWP water is used to meet treated water demands from municipal and industrial customers (both wholesale and retail) and untreated water demands from agricultural customers. It is also used to artificially recharge the local groundwater basin or to fill non-local storage.

Negotiations on extending the SWP contracts took place between DWR and the contractors during 2013 and 2014. The following terms were agreed to and are currently the subject of analysis under the requirements of the California Environmental Quality Act (CEQA) (Notice of Preparation dated September 12, 2014) (Draft EIR released on August 17, 2016):

- Extend the term of the 29 Water Supply Contracts to December 31, 2085,
- Provide for increased SWP financial operating reserves during the extended term of the SWP contracts,
- Provide additional funding mechanisms and accounts to address SWP needs, and
- Develop a revised payment methodology with a corresponding billing system that better matches the timing of future SWP revenues to future expenditures.

It is anticipated that the term of the SWP contracts will be extended to December 31, 2085 and the data and information contained in Zone 7's 2015 UWMP reflect that assumption.

#### *5.2.1.1 Table A Allocation*

Each SWP contractor is limited to a maximum annual contract amount as specified in Article 6(c) and Table A of the SWP Contract; this amount is therefore commonly referred to as "Table A." As noted above, Zone 7 first entered into the SWP Contract in November 1961; as the SWP was expanded and as Zone 7 demands increased over the years, Zone 7's Table A amount was increased, reaching the amount of 46,000 acre-feet annually (AFA) in 1997. Since then, Zone 7 has increased its supply from the SWP through a series of five permanent transfers. In December 1999, Zone 7 secured Table A SWP allocations from Lost Hills Water District of 15,000 AFA and Berrenda Mesa Water District of 7,000 AFA. In December 2000, 10,000 AFA of SWP allocation from Belridge Water Storage District was acquired. An additional 2,219 AFA was obtained from the same source in October 2003. Finally, 400 AFA of water was acquired from the Tulare Lake Basin Water Storage District in 2003. Together, these transfers have raised Zone 7's current Table A allocation to 80,619 AFA.

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In practice, the actual amount of SWP water available to Zone 7 under the Table A allocation process varies from year to year due to hydrologic conditions, water demands of other contractors, existing SWP stored water, SWP facility capacity, and environmental/regulatory requirements.

In July 2015, DWR issued the “State Water Project Final Delivery Capability Report 2015” (2015 Delivery Capability Report). Since 2002, DWR has been publishing ‘Delivery Reliability Reports’ to provide contractors and other local agencies a single source of the most current data available on SWP delivery reliability that can be used for the development of local plans such as UWMPs. There were notable changes in 2015. First, DWR renamed the report ‘Delivery Capability Report’. Second, and more importantly, DWR provided multiple alternatives for the reliability of the SWP under future conditions. Under the ‘Early Long-Term’ alternative in the 2015 Delivery Capability Report, the SWP’s projected long-term average yield is 62 percent of Table A, equivalent to approximately 50,000 AFA for Zone 7.

As a SWP contractor, Zone 7 has the option to store unused Table A water from one year to the next in SWP surface storage facilities (specifically San Luis Reservoir in the case of Zone 7) when there is storage capacity available. This “carryover” water is also called Article 12e or 56c water, in reference to the relevant contract terms. Article 12e water must be taken by March 31 of the following year, but Article 56c water may remain as carryover as long as San Luis Reservoir storage is available. Zone 7 typically maintains between 10,000 to 15,000 acre-feet (AF) of carryover water. The analysis provided in Zone 7’s 2015 UWMP assumes Zone 7 carries over 10,000 AF of water each year.

### 5.2.1.2 Article 21 Water (*Interruptible or Surplus Water*)

Under Article 21 of Zone 7’s contract with DWR, Zone 7 also has access to excess water supply from the SWP that is available only if: (1) it does not interfere with SWP operations or Table A allocations; (2) excess water is available in the Delta; and (3) it will not be stored in the SWP system. Per the 2015 Delivery Capability Report, the projected yield from Article 21 is very low and does not represent a significant water supply for Zone 7.

### 5.2.1.3 Article 56d Water (*Turnback Pool Water*)

Article 56d is a contract provision that allows SWP contractors with unused Table A water to sell that water to other SWP contractors via a “turnback pool” administered by DWR on an annual basis. Historically, only a few SWP contractors have been in a position to make turnback pool water available for purchase, particularly in normal or dry years. Over 2013 and 2014, DWR began pilot-testing a Multi-Year Pool Demonstration Program (“Water Pool Program”) to evaluate the feasibility of a multi-year water purchase program. The Water Pool Program could conceivably provide an alternative to the turnback pool, providing more incentive to prospective sellers and therefore increasing the amount of water available. In 2015, the Water Pool Program was re-introduced through the end of 2016 at a price more in line with the current market. The program remains on pilot status.

While Zone 7 received 2,500 AF of water from the Water Pool Program in 2013, Zone 7 currently does not anticipate a significant amount of water supply to be reliably available under Article 56d (or its alternative) until there is a resolution to the current Delta crisis.

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### 5.2.1.4 Yuba Accord

In 2007, Zone 7 entered into a contract with DWR to purchase additional water under the Lower Yuba River Accord (Yuba Accord). The original contract expires in 2025, and a number of amendments have been made to the original agreement over the years, including a new pricing agreement executed in 2014.

There are four different types (“Components”) of Yuba water available. Zone 7 has the option to purchase Components 2 and 3 water during drought conditions, and Component 4 water when the Yuba County Water Agency has determined that it has water supply available to sell.

Under the Yuba Accord, water is primarily available during dry years, and the amount is relatively small: 400 AF in 2014 and approximately 300 AF in 2015. For planning purposes, Zone 7 currently assumes a long-term average yield under the Yuba Accord of 145 AF annually; in the future, this amount may increase given the new terms as renegotiated in 2014. Any such increase will be reflected in future planning efforts.

### 5.2.2 Byron Bethany Irrigation District

The Byron Bethany Irrigation District (BBID) diverts water from the Sacramento San Joaquin Delta (Delta) pursuant to a “Notice of Appropriation of Water” dated May 18, 1914. Zone 7 entered into a short-term water transfer demonstration project in 1994 with BBID, which provided a minimum supplemental water supply of 2,000 AFA. This was a five-year agreement with a potential to purchase up to 5,000 AFA. In 1998, Zone 7 and BBID agreed to convert the agreement into a long-term 15-year contract, renewable every five years up to a total of 30 years. The current contract was recently extended through 2030 with an option to extend through 2039. However, in the last few years, BBID, Zone 7, and DWR have been reviewing the potential yield available for Zone 7, and discussing the long-term future of the contract. Furthermore, Zone 7 now expects the available supply under this contract to diminish as BBID’s own water demands increase. Until discussions among BBID, DWR, and Zone 7 reach a conclusion, 2,000 AFA of water is assumed to be available under this contract at this time; this amount is similar to the latest BBID transfer approved in 2013 of 2,200 AF.

### 5.2.3 Local Surface Water Runoff

Zone 7, along with Alameda County Water District (ACWD), has water right permits to divert flows from Arroyo del Valle. Runoff from the Arroyo del Valle watershed above Lake Del Valle is stored in the lake, which is managed by DWR. As noted above, Lake Del Valle is also used to store imported surface water deliveries from the SWP. In late summer/early fall, DWR typically lowers lake levels in anticipation of runoff from winter storm events, and to provide flood control capacity. Water supply in Lake Del Valle is made available to Zone 7 via the SBA through operating agreements with DWR. Inflows to Lake Del Valle, after accounting for permit conditions, are equally divided between ACWD and Zone 7. Zone 7 can store up to about 7,500 AF of its share of Arroyo Valle runoff in the lake; runoff collected in any given year is required to be delivered to Zone 7 by the end of the following year.

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### 5.2.4 Local Storage

Zone 7 has three options for local storage: storage in Lake Del Valle, storage in the local groundwater basin and, in the future, surface storage in the Chain of Lakes. Each of these is described below.

#### *5.2.4.1 Lake Del Valle*

As described above, Lake Del Valle is used to store runoff from the Arroyo del Valle watershed above the lake, and also to store imported surface water deliveries from the SWP.

#### *5.2.4.2 Livermore Valley Groundwater Basin*

Zone 7 overlies the Livermore Valley Groundwater Basin (Main Basin). The Main Basin is the portion of the Livermore Valley Groundwater Basin that contains high-yielding aquifers and good quality groundwater. It has an estimated storage capacity of about 254,000 AF. DWR has not identified the Main Basin (DWR Basin No. 2-10) as either a basin in overdraft or a basin expected to be in overdraft. Detailed descriptions of the Main Basin are available in Zone 7's Groundwater Management Plan (GMP) and the Zone 7 2015 UWMP.

It should be noted that, for Zone 7, the Basin is considered a storage facility and not a long-term water supply because Zone 7 does not have a groundwater-pumping quota, and only pumps groundwater it has previously artificially recharged using its surface water supplies.

Zone 7 administers oversight of the Main Basin as part of its Groundwater Management Program. As part of its conjunctive use program, Zone 7's policy is to maintain groundwater levels above historic lows in the Main Basin through artificial recharge of SWP water or locally-stored runoff from Arroyo del Valle. Currently, this is accomplished by releasing water to the arroyos for subsequent percolation and replenishment of the aquifers. Zone 7 established historic lows based on the lowest measured groundwater elevations in various wells in the Main Basin; historic lows correspond to a groundwater storage volume of about 128,000 AF. In general, the difference between water surface elevations when the Main Basin is full and water surface elevations when the Main Basin is at historic lows defines Zone 7's operational storage. Operational storage is about 126,000 AF based on Zone 7's experience operating the Main Basin.

Section 5.3 (DSRSD Groundwater Supply) further describes the Livermore Valley Groundwater Basin and Zone 7's Groundwater Management Plan<sup>4</sup> that is used to manage the basin.

#### *5.2.4.3 Chain of Lakes – Lake I and Cope Lake*

The Chain of Lakes (COLs) refers to a series of former or active gravel quarry pits that have been or will be transferred to Zone 7 for water resources applications. These might include surface storage of stormwater or other local runoff, surface storage of water from the SWP, and/or use as groundwater recharge basins once mining has lakes are named Cope Lake and Lakes A through I.

<sup>4</sup> Groundwater Management Plan for Livermore-Amador Valley Groundwater Basin, prepared for Zone 7 Water Agency, prepared by Jones & Stokes, September 2005.

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The COLs will ultimately cover approximately 1,500 acres and have 150,000 AF of total storage volume; 31,000 AF is estimated to be available for operational storage. Zone 7 currently only owns Cope Lake and Lake I. Zone 7 expects to take ownership of Lakes A and H sometime within the next five years; however, the availability of Lakes B through G may extend well beyond 2030, and may be as late as 2060.

### 5.2.5 Non-Local Storage

In addition to local storage, Zone 7 also participates in the two non-local (also called “out of basin”) groundwater banking programs described below; both banks are located in Kern County. Note that while these banking programs provide a water source during drought years, they represent water previously stored from Zone 7’s surface water supplies during wet years. Therefore, they do not have a net contribution to Zone 7’s water supply over the long term and in fact result in some operational losses as described below. Furthermore, this banked water supply is only available when the SBA is operational.

#### *5.2.5.1 Semitropic Water Storage District*

Zone 7 originally acquired a storage capacity of 65,000 AF in the Semitropic Water Storage District (Semitropic) groundwater banking program in 1998. Subsequently, Zone 7 agreed to participate in Semitropic’s Stored Water Recovery Unit, which increased pumpback capacity and allowed Zone 7 to contractually store an additional 13,000 AF. Zone 7 currently has a total of 78,000 AF of groundwater banking storage available to augment water supplies during drought conditions. During non-drought periods, Zone 7 can store up to 5,883 AFA into the Semitropic groundwater bank. Note that a 10 percent loss is associated with water put into Semitropic. During a drought year, Zone 7 has the ability to request up to 9,100 AF of pumpback and any amount between 0 to 8,645 AF of exchange water; the availability of exchange water depends on projected SWP allocation. Pumpback is water that is pumped out of the Semitropic aquifer and into the SWP system. Exchange water is water that is transferred between Zone 7 and Semitropic by adjusting the amounts of Table A water allocated between Zone 7 and Semitropic. During the recent drought, Zone 7 was able to recover 9,900 AF in 2014 and about 12,500 AF in 2015. The agreement is in effect through December 31, 2035.

#### *5.2.5.2 Cawelo Water District*

Similar to the arrangements with Semitropic, Zone 7 has 120,000 AF of groundwater banking storage available with the Cawelo Water District, as executed in an agreement in 2006. During non-drought periods, Zone 7 can store up to 5,000 AFA in the bank. During droughts, Zone 7 has the ability to request up to 10,000 AFA of pumpback (or exchange water) from Cawelo. During the recent drought, Zone 7 was able to recover 9,700 AF, delivered evenly over 2014 and 2015; most of this water was used directly, while the rest was stored in San Luis Reservoir for future use. The agreement is in effect through December 31, 2035.

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### 5.3 DSRSD Groundwater Supply

This section describes the Livermore Valley Groundwater Basin and Zone 7's Groundwater Management Plan<sup>5</sup> that is used to manage the basin. Each year, Zone 7 prepares an Annual Report for the Groundwater Management Program.

DSRSD does not itself extract groundwater as a water supply. By contract, Zone 7 conducts this groundwater pumping operation as part of providing water supply services to DSRSD. This groundwater supply is then blended with water from Zone 7's other water supply sources and delivered to DSRSD. In accordance with their water supply agreement, Zone 7 pumps DSRSD's groundwater supply from the Livermore Valley Main Groundwater Basin, as described in Section 5.2.4.2.

DSRSD's groundwater resource is described below.

#### 5.3.1 DSRSD Groundwater Pumping Quota

DSRSD, the City of Pleasanton, the City of Livermore, and Cal Water Livermore District, through agreements with Zone 7, have mutually agreed to limit their extraction from the Main Basin to a combined quantity of approximately 7,200 AFA, about 54 percent of the long-term sustainable yield of the Main Basin. This agreement, along with Zone 7's other groundwater management activities, keeps the groundwater budget essentially in balance under average hydrologic conditions. Each of these retailers has a groundwater pumping quota (known as their GPQ). DSRSD's GPQ is 645 AFA. In accordance with its agreement with Zone 7, DSRSD may obtain groundwater in excess of its GPQ if it pays a recharge fee to Zone 7.

Currently, the DSRSD groundwater supply (GPQ) is pumped by Zone 7 for DSRSD from a Zone 7 installed well in the Mocho well field, Mocho No. 4. This well was constructed on DSRSD property (previously Parks RFTA property) under a 2002 agreement between DSRSD and Zone 7 whereby DSRSD provided Zone 7 with access, Zone 7 paid all of the costs for the well, pump and building, and DSRSD has the annual option of requesting that Zone 7 pump and provide DSRSD's GPQ at a cost of only power, chemical and some other incidental charges. Groundwater from Mocho No. 4 is blended with water from other Zone 7 water supplies and is delivered to DSRSD to meet its total water demand.

In addition to groundwater from the Main Basin, DSRSD may extract water in addition to the 645 AFA Main Basin groundwater pumping quota (GPQ) from areas outside the Main Basin (the fringe subbasin). Water can be pumped from the Fringe Basin as long as this groundwater extraction does not have adverse effects on the Main Basin. In the past, DSRSD pumped water from the fringe subbasin when it owned wells along Dublin Boulevard. However, pumping from the fringe subbasin was abandoned in 1980 due to water quality issues and pumping costs.

<sup>5</sup> Groundwater Management Plan for Livermore-Amador Valley Groundwater Basin, prepared for Zone 7 Water Agency, prepared by Jones & Stokes, September 2005.

(<http://www.water.ca.gov/urbanwatermanagement/2005uwmps/AlamedaZone7/GMP%202005%20Submittal%20-%20Complete.pdf>)

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### 5.3.2 Historical and Projected Future Pumpage

As described above, DSRSD has a GPQ of 645 AFA in the Livermore Valley Main Groundwater Basin (Main Basin), which Zone 7 pumps on DSRSD's behalf as part of its water contract. Therefore, DSRSD itself does not pump any groundwater. DSRSD's GPQ is included in the purchased Zone 7 supply.

### 5.3.3 Groundwater Basin Description

As defined in DWR Bulletin 118 Update 2003 (California's Groundwater), the Livermore Valley Groundwater Basin (DWR Basin 2-10) extends from the Pleasanton Ridge east to the Altamont Hills and from the Livermore Uplands north to the Tassajara Uplands. Surface drainage features include Arroyo del Valle, Arroyo Mocho, and Arroyo Las Positas as principal streams, with Alamo Creek, South San Ramon Creek, and Tassajara Creek as minor streams. All streams converge on the west side of the basin to form Arroyo de la Laguna, flowing south and joining Alameda Creek in Sunol Valley, and ultimately draining to the San Francisco Bay. Some geologic structures restrict the lateral movement of groundwater, but the general groundwater gradient is from east to west, towards Arroyo de la Laguna, and from north to south along South San Ramon Creek and Arroyo de la Laguna.

The entire floor of the Livermore Valley and portions of the upland areas on all sides of the valley overlie groundwater-bearing materials. The materials are mostly continental deposits from alluvial fans, outwash plains, and lakes. They include valley-fill materials, the Livermore Formation, and the Tassajara Formation. Under most conditions, the valley-fill and Livermore Formation yield adequate to large quantities of groundwater to all types of wells, with the larger supply wells being located in the Main Basin. The Main Basin is composed of the Castle, Bernal, Amador, and Mocho 2 sub-basins.

### 5.3.4 Groundwater Quantity

Zone 7 routinely monitors groundwater levels within the Main Basin. Two independent methods are used to estimate groundwater storage: (1) Hydrologic Inventory; and (2) Nodal Groundwater Elevation. The Main Basin is estimated to have a total storage capacity of 254,000 AF, of which approximately 126,000 AF are available for Zone 7 operational storage. Zone 7's goal is to maintain 128,000 AF of groundwater in storage at all times, as discussed below.

#### 5.3.4.1 Artificial Recharge

Before the construction of the SWP in the early 1960s, groundwater was the sole water source for the Livermore-Amador Valley. This resource has gone through several periods of extended withdrawal and subsequent recovery. In the 1960s, when approximately 110,000 AF of groundwater was extracted, the Main Basin reached its historic low of 128,000 AF. The Main Basin was allowed to recover from 1962 to 1983. It was during this era that Zone 7 first conducted a program of groundwater replenishment by recharging imported surface water via its streams ("in-stream recharge") for storage in the Main Basin, began supplying treated surface water to customers to augment groundwater supplies, and began regulating municipal pumping by contractually establishing GPQ as discussed further below.

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Zone 7's operational policy is to maintain the balance between the combination of natural and artificial recharge and withdrawal. This ensures that groundwater levels do not drop below the historic level of 128,000 AF.

### 5.3.4.2 Current Sustainable Yield and Groundwater Pumping Quotas

Long-term natural sustainable yield is contractually defined as the average amount of groundwater annually replenished by natural recharge in the Main Basin (through percolation of rainfall, natural stream flow, and irrigation waters, and inflow of subsurface waters) and which can therefore be pumped without lowering the long-term average groundwater volume in storage. In contrast, "artificial recharge" is the aquifer replenishment that occurs from artificially induced or enhanced stream flow, as described in the previous section. With artificial recharge, more groundwater can be sustainably extracted from the Main Basin each year.

The natural sustainable yield of the Main Basin has been determined to be about 13,400 AFA, which is about 11 percent of the operational storage. This long-term natural sustainable yield is based on over a century of hydrologic records and projections of future recharge conditions. Based on this sustainable yield value, DSRSD, the City of Pleasanton, the City of Livermore, and Cal Water Livermore District (collectively referred to as the Retailers) are permitted to pump 7,245 AFA. Each retailer has an established "Groundwater Pumping Quota" (GPQ), formerly referred to as the "Independent Quota" in the original Municipal and Industrial water supply contract between Zone 7 and each retailer. The City of Pleasanton and Cal Water Livermore District pump their own GPQ; they are also permitted to pump groundwater in excess of their GPQ under a recharge fee paid to Zone 7. This fee covers the cost of importing and recharging additional water into the Main Basin. Zone 7 pumps DSRSD's GPQ. The City of Livermore has not had any groundwater pumping capability for the last five to six years, and has therefore not pumped their GPQ over this time period.

Zone 7's groundwater extraction for its treated water system does not use the natural sustainable yield from the Main Basin; instead, Zone 7 pumps only water that has been previously recharged as part of its artificial recharge program using its surface water supplies. During high demands, groundwater is used to supplement surface water supply delivered via the SBA and treated at one of the Zone 7's two surface water treatment facilities. Groundwater is also used when the SBA is out of service due to maintenance and improvements or when Zone 7's surface water treatment plants are operating under reduced capacity due to construction, repairs, *etc.* Finally, Zone 7 uses its stored groundwater (both local and non-local) under emergency or drought conditions, when there may be insufficient surface water supply available. Zone 7 also pumps groundwater out of the Main Basin during normal water years to help reduce the salt loading in the Main Basin. To achieve additional salt removal, a demineralization facility has been in operation since 2009. Zone 7 plans to recharge 9,200 AFA on average, which means that Zone 7 can pump an equivalent 9,200 AFA on average from the Main Basin.

### 5.3.5 Groundwater Quality

In general, the Main Basin is characterized by relatively good quality groundwater that meets all state and federal drinking water standards. The pumped groundwater is chloraminated simply to match the disinfectant residual in the distribution system. However, there has been a slow degradation of groundwater quality as evidenced by rising Total Dissolved Solids (TDS) and

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hardness levels over the last few decades. To address this problem, Zone 7 developed a Salt Management Plan (SMP), which was approved by the Regional Water Quality Control Board in 2004 as a condition of the Master Waste Reuse Permit and incorporated into Zone 7's GMP in 2005.

Zone 7 implements a wastewater and recycled water monitoring program as part of the GMP. In 2014, about 27 percent of the recycled water produced in the service area was applied to landscapes over the Main Basin. Nitrates and salinity have historically been the primary water quality parameters of concern in recycled water, but nitrates have become less of a concern since 1995 when the City of Livermore Water Reclamation Plant (which, along with DSRSD, is one of the two largest wastewater agencies in the area) stopped nitrifying its effluent. In 2015, Zone 7 completed a Nutrient Management Plan which provides an assessment of the existing and future groundwater nutrient concentrations relative to the current and planned expansion of recycled water projects and future developments in the Livermore Valley. The Nutrient Management Plan also presents planned actions for addressing positive nutrient loads and high groundwater nitrate concentrations in localized Areas of Concern where the use of onsite wastewater treatment systems (i.e., septic tank systems) is the predominant method for sewage disposal. The Nutrient Management Plan was prepared as a supplement to the SMP; together, they are a Salt and Nutrient Management Plan and have been incorporated into the GMP.

To further manage the water quality in the Main Basin, Zone 7 also runs a Toxic Site Surveillance Program, documenting and tracking sites across the groundwater basin that pose a potential threat to drinking water supplies. Zone 7 works closely with the Regional Water Quality Control Board and Alameda County Environmental Health in these efforts. In general, there are two types of contamination threatening the Livermore Valley Groundwater Basin: petroleum-based fuel products and industrial chemical contaminants. In 2014, Zone 7 tracked the progress of 53 sites where groundwater contamination has been detected or contamination is threatening groundwater. More details on the affected sites and their remediation can be found in the Zone 7's *Annual Report for the Groundwater Management Program*.

### 5.4 Recycled Water

DSRSD currently treats and distributes recycled water to water customers in its service area. Recycled water is produced from DSRSD's regional wastewater treatment facilities.

DSRSD began its recycled water program in the early 1990's by adopting Resolution No. 42-92 in August 1992. The resolution set priorities and policies for the use and promotion of recycled water service within and outside DSRSD's water service area. The policies were intended to assist DSRSD achieve the following objectives:

- Promote, produce, sell and deliver recycled water to retail and wholesale customers;
- Manage the San Ramon Valley Recycled Water Program on an equitable and self-supporting basis;
- Work with others to develop ordinances and guidelines to encourage the use of recycled water;

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- Develop local regulations and standards to ensure the safe and beneficial use of recycled water; and
- Conduct public information and customer service programs to ensure that the public has an appropriate understanding of recycled water, including the benefits of using recycled water.

DSRSD then adopted the “Water Recycling Business Plan Framework” in 1993, to establish the DSRSD Recycled Water Enterprise. Since that time, recycled water has been an important part of water planning at DSRSD. In that same year, the City of Dublin certified an EIR for the *Eastern Dublin General Plan Amendment and Specific Plan*. The DSRSD service plan for eastern Dublin is predicated upon the use of recycled water for landscape irrigation as summarized in the EIR and subsequent annexation documentation. Potable water supply requests to Zone 7 by DSRSD for Eastern Dublin under the “Contract between Zone 7 and DSRSD for a Municipal & Industrial Water Supply,” are the net of the eastern Dublin total water demands less the recycled water to be provided by DSRSD.

DSRSD and EBMUD formed a joint powers authority, the DERWA, in 1995. DERWA’s mission is to provide a safe, reliable, and consistent supply of recycled water, and to maximize the amount of recycled water delivered for non-potable use. DERWA operates the SRVRWP, a multi-phased project to supply recycled water from DSRSD’s RWTF to portions of DSRSD’s and EBMUD’s service areas.

In 1995, DSRSD became committed to also providing recycled water to Dougherty Valley. The DSRSD service plan for Dougherty Valley is also predicated upon the use of recycled water for landscape irrigation. The amount of potable water purchased for Dougherty Valley is the net of the Dougherty Valley total water demands less the recycled water to be provided by DSRSD.

In April 1998, DSRSD adopted Ordinance No. 280 which established a Recycled Water Use Zone within DSRSD’s service area, consisting of all areas then receiving potable water services and those additional areas designated for such service. In April 2004, this ordinance was repealed and replaced by Ordinance No. 301 which formally established the rules and regulations governing the use of recycled water within DSRSD’s service area. In November 2010, when DSRSD recodified its code, DSRSD incorporated Ordinance No. 301 into the DSRSD Code and added DSRSD Code Section 3.20.110, Duty to connect—Recycled water, which requires that new development in DSRSD’s water service area connect to recycled water for appropriate irrigation uses. DSRSD also adopted a policy (Policy P300-10-3) regarding the provision of recycled water service both within and outside the District (included in Appendix H).

As shown in Table 4-2, the projected recycled water demand within DSRSD’s service area is estimated to be about 4,200 AFA by 2030.

The current capacity of DSRSD treatment facilities for recycled water production and delivery to both DSRSD and EBMUD is 12.7 mgd, the combined capacity of the RWTF’s SFUV (9.7 mgd) and MFUV (3.0 mgd) facilities. Currently, the recycled water treatment facilities are undergoing a Phase 2 expansion to increase the SFUV capacity to 16.2 mgd. The Phase 2 expansion of the recycled water facilities is anticipated to be completed in Fall 2018.

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The availability of source water supply currently limits production of recycled water. In 2008, the SRVRWP's peak day demand for recycled water exceeded the amount of secondary effluent collected from the DSRSD wastewater collection system. DSRSD entered into an agreement with the City of Pleasanton in 2002, which was most recently amended in January 2014, allowing utilization of secondary effluent collected from the Pleasanton wastewater collection system. With the most recent amendment, DSRSD shall have the right to utilize any secondary effluent from the City not being used or needed for the production of recycled water for use or delivery by the City's Recycled Water Program. The District is working on alternatives and seeking partnerships with adjacent agencies to increase its source water supply.

### 5.5 Summary of Current and Projected Future Water Supplies

Table 5-1 provides a summary of DSRSD's current and projected future water supplies.

**Table 5-1. DSRSD Current and Projected Future Water Supplies**

Water Source	2015, Actual <sup>(a)</sup>	2020 <sup>(b)</sup>	2025 <sup>(b)</sup>	2030 <sup>(b)</sup>	2035 <sup>(b)</sup>	2040 <sup>(b)</sup>
Water Purchased from Zone 7, AFA	7,445	13,678	14,554	15,223	15,840	15,840
Recycled Water, AFA	2,579	3,905	4,117	4,203	4,203	4,203
<b>Total, AFA</b>	<b>10,024</b>	<b>17,583</b>	<b>18,671</b>	<b>19,426</b>	<b>20,043</b>	<b>20,043</b>

(a) Actual 2015 supplies are from Table 6-11 of the DSRSD 2015 UWMP (June 2016). Includes the DSRSD GPQ of 645 AFA.  
 (b) Projected supplies are from Table 6-9 of the DSRSD 2015 UWMP (June 2016). Includes the DSRSD GPQ of 645 AFA.

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### 6.0 WATER SUPPLY RELIABILITY

10910 (c)(4) address “total projected water supplies available...during normal, single dry, and multiple dry water years during a 20-year projection...”

#### 6.1 Potable Water Supply Reliability

##### 6.1.1 Zone 7 Reliability Policy for Municipal & Industrial Water Supplies

The current reliability of DSRSD’s potable water supply is largely dependent upon its water supply contract with Zone 7 and Zone 7’s water supply reliability policy. On October 17, 2012, the Zone 7 Board of Directors approved a revised Water Supply Reliability Policy, which adopts the following level of service goals to guide the management of Zone 7’s treated water supplies as well as its Capital Improvement Program (CIP):

- **Goal 1:** Zone 7 will meet its treated water customers’ water supply needs, in accordance with Zone 7’s most current Contracts for M&I Water Supply, including existing and projected demands as specified in Zone 7’s most recent UWMP, during normal, average, and drought conditions, as follows:
  - At least 85 percent of M&I water demands 99 percent of the time
  - 100 percent of M&I water demands 90 percent of the time
- **Goal 2:** Provide sufficient treated water production capacity and infrastructure to meet at least 80 percent of the maximum month M&I contractual demands should any one of Zone 7’s major supply, production, or transmission facilities experience an extended unplanned outage of at least one week.

This revised reliability policy provides Zone 7 with the additional flexibility and time necessary to evaluate, develop and implement cost-effective solutions necessary to allow Zone 7 to continue to provide a reliable, high-quality water supply to its customers in the face of an uncertain water supply future. Changing the second goal to reflect a prolonged outage based on the maximum month instead of the maximum day should allow Zone 7 to develop more cost-effective solutions to major, prolonged outages, while also providing the time necessary to communicate with and obtain a response from its customers.

##### 6.1.2 Zone 7 Water Supply Reliability

The treated potable water that DSRSD receives from Zone 7 is blended from various sources. It meets all Federal and State drinking water requirements. The quality of water delivered to DSRSD depends on the blend of supplies available to Zone 7.

Table 6-1 lists the years that Zone 7 identifies as their historical average, single driest year, and driest multi-year period, also known as the “Base Years.” Table 6-2 summarizes the volume of water supply expected by source and the total percentage of water supply expected if there were to be a repeat of the hydrology of that type of year. The water year basis varies depending on the water source; explanatory details are included in Section 7.2 of Zone 7’s 2015 UWMP, along with historical percentages of normal delivery.

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**Table 6-1. Basis of Water Year Data for Various Zone 7 Water Supplies<sup>(a)</sup>**

Water Source	Average Year	Single Dry Year	Multiple-Dry Year		
			Year 1	Year 2	Year 3
Arroyo del Valle	1919	1977	1988	1989	1990
SWP - Table A	1964	2014	1990	1991	1992
SWP - Carryover	1964	2014	1990	1991	1992
SWP - Yuba Accord	1964	2014	1990	1991	1992
BBID	1964	2015	1990	1991	1992
<b>From Storage</b>					
Main Basin	1964	2014	1990	1991	1992
Semitropic	1964	2014	1990	1991	1992
Cawelo	1964	2014	1990	1991	1992

<sup>(a)</sup> Source: Zone 7 2015 UWMP, Tables 7-1 through 7-8.

In DSRSD's 2015 UWMP, projected Normal Year supplies are assumed to satisfy DSRSD's projected Normal Year demands. However, as shown in Table 6-2, purchased supplies from Zone 7 may be subject to reductions during dry years. In DSRSD's 2015 UWMP, and this WSA, DSRSD's purchased supplies from Zone 7 during dry years assume the following supply reductions:

- During Single Dry Years, purchased supplies from Zone 7 are assumed to be 75 percent of Normal Year supplies (25 percent reduction in supplies); and
- During Multiple Dry Years, purchased supplies from Zone 7 are assumed to be 85 percent of Normal Year supplies (15 percent reduction in supplies).

Table 6-3 shows DSRSD's projected supplies from Zone 7 during dry years based on the assumptions in DSRSD's 2015 UWMP.

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**Table 6-2. Zone 7's Potable Water Supply Reliability<sup>(a)</sup>**

Water Source	Average Year	Single Dry Year	Multiple-Dry Year		
			Year 1	Year 2	Year 3
Arroyo del Valle, AFA	7,300-10,300	0	350	520	150
SWP - Table A, AFA	50,000	4,000	21,800	12,900	19,300
SWP – Carryover, AFA	10,000	10,000	10,000	10,000	10,000
SWP - Yuba Accord, AFA	145	676	676	676	676
BBID, AFA	2,000	0	2,000	2,000	2,000
<b>From Storage</b>					
Main Basin, AFA	9,200	28,000-34,400	12,400	16,100	13,500
Semitropic, AFA	0	7,200	10,400	9,100	9,100
Cawelo, AFA	0	7,800	10,000	10,000	10,000
<b>Total</b>	<b>78,645</b>	<b>57,676</b>	<b>67,626</b>	<b>61,296</b>	<b>64,726</b>
<b>Percent of Average Supply</b>		<b>73.3%</b>	<b>86.0%</b>	<b>77.9%</b>	<b>82.3%</b>

<sup>(a)</sup> Source: Zone 7 2015 UWMP, Table 7-11

**Table 6-3. Projected DSRSD Supplies from Zone 7 During Dry Years**

Hydrologic Condition	% of Normal Year	2020	2025	2030	2035	2040
Single Dry Year, AFA <sup>(a)</sup>	75	10,258	10,915	11,417	11,880	11,880
Multiple Dry Year, AFA <sup>(b)</sup>	85	11,626	12,371	12,939	13,464	13,464

<sup>(a)</sup> Based on DSRSD's 2015 UWMP (June 2016), Table 7-5.

<sup>(b)</sup> Based on DSRSD's 2015 UWMP (June 2016), Tables 7-8 and 7-10.

The following sections discuss the reliability of Zone 7's water supply sources and Zone 7's strategies for managing the risks associated with each supply. The descriptions provided below have been taken, for the most part, from Zone 7's 2015 UWMP, which was adopted in March 2016.

### 6.1.2.1 Imported Water: State Water Project

Imported surface water from the SWP is by far Zone 7's largest water source, providing over 80 percent of the treated water supplied to retail customers. Much of this imported surface water is derived from the Feather River watershed, in the northern part of California, and ultimately flows through the Delta before it is conveyed by the California Aqueduct and the SBA to Zone 7's water facilities. Zone 7's other imported surface water supply, BBID, is also diverted from the Delta and provides water to Zone 7 via the SBA.

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The instability of the aging levees in the Delta (including their vulnerability to seismic events and climate change), regulatory uncertainty, water quality issues including saltwater intrusion, and the declining health of the Delta ecosystem all challenge the long-term reliability of the SWP and, more generally, the water conveyance capability of the Delta.

There are some important water quality considerations associated with the water that is conveyed through the Delta. In 1982, DWR formed the Interagency Delta Health Aspects Monitoring Program to monitor water quality in the Delta for human health protection. The program was renamed the Municipal Water Quality Investigations Program (MWQI Program) in 1990. From a municipal water supply perspective, water quality issues in the Delta are associated with salinity from seawater intrusion; wastewater effluent discharges; agricultural drainages from the islands; and recreational activities. Water quality issues of specific concern to Zone 7 include the following:

- Algal byproducts – Parameters of concern include components that cause taste and odor (T&O) and algal toxins. T&O is primarily a problem in the warmer months, when algal blooms may be present. It can affect supplies from the Delta and from Lake Del Valle. Algae produce geosmin and 2 methylisoborneol (MIB), which are key taste and odor causing compounds in surface water supply. Zone 7 currently treats T&O using powdered activated carbon (PAC), which is of limited effectiveness under high levels of algal byproducts. Adding ozonation, which is a more effective treatment process, is in Zone 7's CIP, see below. A switch to groundwater supplies may be necessary under high levels of algal byproducts in surface water.
- Total and Dissolved Organic Carbon (TOC/DOC) – Levels of organic carbon affect the amounts of coagulant and disinfectant chemicals used at Zone 7's water treatment plants (WTPs), and therefore result in higher costs. In addition, the formation of disinfectant byproducts (DBPs) is dependent upon the amount of TOC/DOC. Zone 7's WTPs have been able to manage high TOC/DOC by increasing coagulant dosages. However, this operational change results in greater sludge production and limits plant production. Ozone will reduce coagulant and chlorine demands, thus reducing typical chlorination DBPs, but will create other ozonation DBPs such as bromate.
- Turbidity – Like TOC/DOC, turbidity affects the amounts of chemicals used at the WTPs and Zone 7's ability to meet drinking water standards. It also can affect the production capacities of Zone 7's WTPs, requiring increased groundwater production under high demands. Planned ozonation facilities can help address settled water turbidity and reduce impacts on WTP production.
- Salinity or Total Dissolved Solids (TDS) – Salinity is a water quality parameter that has significant impacts on SWP operations and the availability of water. To meet the salinity objectives in the Delta, water exports from the Delta may be restricted, reducing the amount of water supply available during certain times of the year.
- Algal Blooms – In addition to T&O and the threat of algal toxins, algal blooms can significantly impact the performance of the filters through clogging, reducing plant production capacities, and requiring additional groundwater use.

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Zone 7 plans to install ozonation facilities at DVWTP in 2019 and at PPWTP in 2020. These facilities will provide improved treatment of T&O, TOC/DOC, turbidity, and algal blooms. The facilities are expected to result in more reliable production capacities from the surface water treatment plants.

To protect water quality once the water from the Delta reaches the SBA, recipients of water from the SBA (ACWD, Santa Clara Valley Water District, and Zone 7, known collectively as the SBA Contractors) developed the SBA Watershed Protection Program Plan in 2008. The SBA Watershed Protection Program Plan is designed to protect the SBA system, including Lake Del Valle and Bethany Reservoir, from identified potential contaminant sources (e.g., septic tanks) for urban water supply purposes, as well as agricultural, recreational, and environmental uses.

### 6.1.2.2 Local Storage

Zone 7 has three options for local storage: storage in Lake Del Valle, storage in the Main Basin and, in the future, surface storage in the COL. The COL will also continue to be used for groundwater recharge.

The Main Basin is characterized by relatively good quality groundwater that meets all state and federal drinking water standards. Groundwater is chloraminated to maintain consistent disinfectant residual in the distribution system and to preserve delivered water quality. However, there has been a slow degradation of groundwater quality as evidenced by rising TDS and hardness levels over the last few decades. To address this problem, Zone 7 developed a SMP, which was approved by the RWQCB in 2004. As part of this SMP, Zone 7 completed construction of a wellhead demineralization facility in 2009.

The key constraint on the use of the COL for storage is the duration of the mining activities, which affects when the remainder of the COL will be transferred to Zone 7 ownership and how much storage is available over time. According to Zone 7's Water Supply Evaluation Update, Lake H is anticipated to be available in the next few years; however, the availability of Lakes A through G may extend well beyond 2030, and may be as late as 2060. Zone 7 continues to work closely with mining companies and quarry operators so planning efforts can be coordinated.

### 6.1.2.3 Non-Local Storage

In addition to local storage, Zone 7 also has storage contracts with two non-local groundwater banking districts in Kern County: Semitropic and Cawelo. There must be sufficient water flowing through the Delta to facilitate these exchanges, which could be a challenging condition to meet during a drought.

During the recent drought, access to banked water became uncertain because of the historically low Table A allocation, leading to minimal amounts of water moving through the SWP, and the potential cessation of pumping in the Delta to control salinity intrusion. Ultimately, DWR was able to manage salinity so that pumping in the Delta could continue, and with coordination among Zone 7, other SWP contractors, DWR, and banking partners, DWR prioritized the delivery of banked water to Zone 7 and other SBA contractors. Even during the serious drought conditions of 2014 and the minimal 5 percent SWP allocation, Zone 7 was able to successfully recover almost 15,000 AF, or approximately 78 percent of the maximum recovery requested by

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Zone 7. In 2015, Zone 7 recovered 17,400 AF from storage. Zone 7 will continue to coordinate closely with DWR, other SWP contractors, Semitropic, and Cawelo to ensure the future reliability of the banked water supplies.

Some of Semitropic's wells are affected by arsenic. This is currently being managed through treatment before the affected groundwater water is pumped into the California Aqueduct. Arsenic criteria have been established for this "pump in" by the DWR Facilitation Group to mitigate any impacts to the downstream SWP contractors. Semitropic and the banking partners have developed a coordination process for discussing arsenic treatment. While the presence of arsenic in the Semitropic groundwater bank is likely to increase the cost of this water storage option, it is not likely to affect its overall reliability.

### 6.2 Recycled Water Supply Reliability

Reliability and vulnerability of DSRSD's recycled water supply are related to seasonal fluctuations in production of wastewater in DSRSD's service area, and are not generally subject to climatic fluctuations<sup>6</sup>. Wastewater collection volume is subject to seasonal variations; for example, during the dry season, wastewater discharge is low but recycled water demands are high. The availability of source water supply currently limits DSRSD's production of recycled water, but these challenges are not insurmountable. As discussed in Section 5.4 of this WSA, DSRSD is pursuing various alternatives to resolve these limitations.

Recycled water is proposed for use for the Proposed Project, and will be used if available. However, if available recycled water supplies are insufficient to meet the irrigation demands for the Proposed Project, the irrigation demands for the Proposed Project can also be met with potable water through the potable water offset.

<sup>6</sup> During a drought, wastewater flows may drop slightly due to reduced potable water use. DSRSD estimates that a 10 to 15 percent reduction in potable water use results in about a 1 to 1.5 percent reduction in wastewater flows. In the future, DSRSD may manage recycled water supplies by implementing recycled water demand management measures during single dry and multiple dry years.

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### 7.0 DETERMINATION OF WATER SUPPLY SUFFICIENCY BASED ON THE REQUIREMENTS OF SB 610

*10910(c)(4) If the city or county is required to comply with this part pursuant to subdivision (b), the water supply assessment for the project shall include a discussion with regard to whether the total projected water supplies, determined to be available by the city or county for the project during normal, single dry, and multiple dry water years during a 20-year projection, will meet the projected water demand associated with the proposed project, in addition to existing and planned future uses, including agricultural and manufacturing uses.*

*10911 (a) If, as a result of its assessment, the public water system concludes that its water supplies are, or will be, insufficient, the public water system shall provide to the city or county its plans for acquiring additional water supplies, setting forth the measures that are being undertaken to acquire and develop those water supplies.*

#### 7.1 Potable Water Supply Sufficiency

Pursuant to Water Code section 10910(c)(4), and based on the technical analyses described in this WSA, DSRSD finds that the total projected water supplies determined to be available for the Proposed Project during Normal, Single Dry, and Multiple Dry water years during a 20-year projection will meet the projected water demand associated with the Proposed Project, in addition to existing and planned future uses. As described above, the projected potable water demands for the Proposed Project are accounted for in DSRSD's 2015 UWMP.

As discussed in this WSA, Zone 7 is DSRSD's sole potable water supplier and Zone 7 is aggressively planning for water supply programs and projects to meet the water demands of its customers through buildout of adopted general plans. According to Zone 7's 2015 UWMP, Zone 7 does not anticipate any water supply shortage during Normal, Single Dry, and Multiple Dry water years through 2035.

Table 7-1 summarizes the projected availability of DSRSD's existing and planned future potable water supplies and DSRSD's projected water demands in Normal, Single Dry and Multiple Dry years through 2040. As shown in Table 7-1, water demand within DSRSD's water service area is not expected to exceed the DSRSD's water supplies during Normal, Single Dry, and Multiple Dry water years between 2020 and 2040.

DSRSD plans to continue to manage potable water demands within its water service area through conservation efforts and its recycled water program. If water shortages should occur, DSRSD may have to invoke its *Water Shortage Contingency and Drought Plan*, described in its 2015 UWMP.

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**Table 7-1. DSRSD Summary of Potable Water Demand Versus Supply  
During Hydrologic Normal, Single Dry, and Multiple Dry Years**

Hydrologic Condition	Supply and Demand Comparison, AFA					
	2020	2025	2030	2035	2040	
<b>Normal Year</b>						
Available Potable Water Supply <sup>(a)</sup>	13,678	14,554	15,223	15,840	15,840	
Total Potable Water Demand <sup>(b)</sup>	13,678	14,554	15,223	15,840	15,840	
Potential Surplus (Deficit)	0	0	0	0	0	
Percent Shortfall of Demand	-	-	-	-	-	
<b>Single Dry Year</b>						
Available Potable Water Supply <sup>(c)</sup>	10,258	10,915	11,417	11,880	11,880	
Total Potable Water Demand <sup>(d)</sup>	10,258	10,915	11,417	11,880	11,880	
Potential Surplus (Deficit)	0	0	0	0	0	
Percent Shortfall of Demand	-	-	-	-	-	
<b>Multiple Dry Years</b>						
Multiple-Dry Year 1	Available Potable Water Supply <sup>(c)</sup>	11,626	12,371	12,939	13,464	13,464
	Total Potable Water Demand <sup>(e)</sup>	11,626	12,371	12,939	13,464	13,464
	Potential Surplus (Deficit)	0	0	0	0	0
	Percent Shortfall of Demand	-	-	-	-	-
Multiple-Dry Year 2	Available Potable Water Supply <sup>(c)</sup>	11,626	12,371	12,939	13,464	13,464
	Total Potable Water Demand <sup>(e)</sup>	11,626	12,371	12,939	13,464	13,464
	Potential Surplus (Deficit)	0	0	0	0	0
	Percent Shortfall of Demand	-	-	-	-	-
Multiple-Dry Year 3	Available Potable Water Supply <sup>(c)</sup>	11,626	12,371	12,939	13,464	13,464
	Total Potable Water Demand <sup>(e)</sup>	11,626	12,371	12,939	13,464	13,464
	Potential Surplus (Deficit)	0	0	0	0	0
	Percent Shortfall of Demand	-	-	-	-	-

<sup>(a)</sup> From Table 5-1 of this WSA.  
<sup>(b)</sup> From Table 4-2 of this WSA.  
<sup>(c)</sup> From Table 6-3 of this WSA.  
<sup>(d)</sup> From Table 4-3 of this WSA.  
<sup>(e)</sup> From Table 4-4 of this WSA.

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### 7.2 Recycled Water Supply Sufficiency

As described in this WSA, approximately 28 AFA (Normal Year demand) of recycled water is needed to meet the landscape irrigation demands at buildout of the Proposed Project. Recycled water is proposed to be used for the Proposed Project; however, if available recycled water supplies are insufficient to meet the irrigation demands for the Proposed Project due to current source water supply issues, the irrigation demands for the Proposed Project can also be met with potable water through the potable water offset described in this WSA during Normal, Single Dry, and Multiple Dry water years for a 20-year projection with no water supply shortage.

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# DSRSD: AT Dublin Project

## Water Supply Assessment



### 8.0 VERIFICATION OF SUFFICIENT WATER SUPPLY BASED ON THE REQUIREMENTS OF SB 221

The Proposed Project, with up to 670 residential dwelling units, is also subject to the requirements of SB 221 (Government Code section 66473.7). SB 221 applies to residential development projects of more than 500 dwelling units (such as the Proposed Project) and requires that the water supplier (DSRSD) provide a written verification that the water supply for the Proposed Project is sufficient.

Verification must demonstrate supply sufficiency by showing that water supplies available during Normal, Single Dry and Multiple Dry years within a 20-year projection will meet the projected demand associated with the Proposed Project, in addition to existing and planned future uses, including, but not limited to, agriculture and industrial uses. Per the requirements of SB 221, the following must be considered:

- Historical water deliveries for the previous 20 years;
- Urban water shortage contingency analysis prepared for the UWMP;
- Supply reduction for specific water use sectors; and
- Amount of water expected from specified supply projects.

The DSRSD 2015 UWMP and this WSA for the Proposed Project provide the documentation required to comply with SB 221 and demonstrate that DSRSD's supplies are sufficient to meet the projected demand associated with the Proposed Project, in addition to existing and planned future uses, including, but not limited to, agriculture and industrial uses. The specific considerations to be evaluated for the SB 221 verification are described below and reference applicable sections of the DSRSD 2015 UWMP and this WSA.

#### 8.1 Historical Water Deliveries

DSRSD's water supplies are described in Section 5.0 of this WSA and Chapter 6 of the DSRSD 2015 UWMP. Table 8-1 presents DSRSD's historical use of these supplies over the past 20 years. The use of these supplies will continue into the future, as described in Section 5.0 of this WSA, and as shown in Table 5-1 of this WSA.

**Table 8-1. DSRSD Historical Water Supplies**

Water Source	1995	2000	2005	2010	2015
Water Purchased from Zone 7 Water Agency, AFA <sup>(a)</sup>	3,409	6,724	9,489	8,619	6,800
Groundwater Pumped by Zone 7 on DSRSD's Behalf, AFA <sup>(a)</sup>	645	645	645	645	645
DSRSD Recycled Water, AFA <sup>(a,b)</sup>	0	34	888	1,729	2,579
<b>Total, AFA</b>	<b>4,054</b>	<b>7,403</b>	<b>11,022</b>	<b>10,993</b>	<b>10,024</b>

(a) Table 6-1, DSRSD 2005 UWMP and Table 4-1, Table 6-11, DSRSD 2015 UWMP.  
 (b) DSRSD recycled water does not include recycled water sales to other water agencies.

# DSRSD: AT Dublin Project

## Water Supply Assessment



The availability and historical and projected use of groundwater supplies is described in Section 5.3 of this WSA. As described, DSRSD does not itself extract groundwater as a water supply. In accordance with the DSRSD water supply agreement with Zone 7, Zone 7 pumps DSRSD's groundwater supply (based on DSRSD's GPQ) from local storage, and this groundwater supply is then blended with water from Zone 7's other water supply sources and delivered to DSRSD.

Water supply availability and reliability during Normal, Single Dry and Multiple Dry years is described in Section 6.0 of this WSA.

### 8.2 Projected Water Demand by Customer Sector

Projected potable and recycled water demands in the DSRSD service area are described in Section 4.2 of this WSA based on information provided in Chapter 4 of DSRSD's 2015 UWMP. Projected water demand by customer sector within DSRSD's service area is documented in the DSRSD's 2015 UWMP (Chapter 4, Table 4-3) and is summarized in Table 8-2.

**Table 8-2. Actual and Projected Water Demands**

Water Source	2015 <sup>(a)</sup> (Actual)	2020 <sup>(b)</sup>	2025 <sup>(b)</sup>	2030 <sup>(b)</sup>	2035 <sup>(b)</sup>	2040 <sup>(b)</sup>
<b>Potable Water, AFA</b>						
Single Family	3,618	6,647	7,074	7,398	7,698	7,698
Multi-Family	1,418	2,605	2,772	2,900	3,017	3,017
Commercial	699	1,285	1,367	1,430	1,488	1,488
Institutional/Governmental	105	193	205	215	223	223
Landscape	488	897	954	998	1,038	1,038
Other – Group Quarters	464	853	908	950	988	988
Other – Construction	15	28	30	31	33	33
Other – Fireline Meters	1	1	1	1	1	1
Other – Ranch Owner	2	3	3	3	4	4
Other – Unmetered Sales	94	173	184	192	200	200
Other – Supplemental water for recycled water demand	9	16	17	18	19	19
Other	111	203	216	226	235	235
Losses	421	774	823	861	896	896
Potable Water Subtotal, AFA <sup>(b)</sup>	7,445	13,678	14,554	15,223	15,840	15,840
Recycled Water, AFA <sup>(c)</sup>	2,579	3,905	4,117	4,203	4,203	4,203
<b>Total, AFA</b>	<b>10,024</b>	<b>17,583</b>	<b>18,671</b>	<b>19,426</b>	<b>20,043</b>	<b>20,043</b>

(a) From Table 4-2, DSRSD 2015 UWMP, June 2016.  
 (b) From Table 4-3, DSRSD 2015 UWMP, June 2016.  
 (c) From Table 4-4, DSRSD 2015 UWMP, June 2016.

# DSRSD: AT Dublin Project

## Water Supply Assessment



As described in Section 3.4, the potable water demands for the Proposed Project are included in DSRSD's 2015 UWMP. The recycled water demands for the Proposed Project are also included, although they are more than included in the 2015 UWMP. DSRSD anticipates resolving the current recycled water production limitations (see further discussion in Section 5.4), and any recycled water needs that cannot be met due to production limitations can be sufficiently supplied with potable water under DSRSD's 2015 UWMP projections (see Section 3.4).

### 8.3 Water Shortage Contingency Analysis

Chapter 8 of the DSRSD 2015 UWMP provides a *Water Shortage Contingency and Drought Plan* to address situations when catastrophic water supply interruptions occur due to regional power outage, earthquake, or other disasters; and when drought occurs. The plan is based on DSRSD Ordinance No. 323, DSRSD's Emergency Response Plan, and DSRSD Code Section 4.10.030(C).

The DSRSD Board of Directors adopted Ordinance No. 323 in June 2009 to establish an updated water conservation program and a program for management of the DSRSD water supplies during any water shortage condition declared by the DSRSD Board of Directors, and to establish regulations and restrictions on the delivery and consumption of water and penalties for ordinance violations during a declared water shortage condition. This ordinance addresses both water emergencies (catastrophic water interruptions) and drought conditions. During water emergencies, DSRSD Ordinance No. 323 authorizes the DSRSD General Manager to declare a water emergency and initiate implementation of the ERP. The ERP provides DSRSD with a standardized response and recovery protocol to prevent, minimize, and mitigate injury and damage resulting from emergencies or disaster of natural or man-made origins. DSRSD updates the ERP periodically to ensure that newly developed parts of its service area and the associated infrastructure are taken into account.

When DSRSD revised its code in November 2010, DSRSD Code Section 4.10.030(C) was added to regulate water use in the event of shortage for any reason. This provision authorizes the DSRSD General Manager to prescribe and enforce rules governing water allocation and use of water. It also provides the DSRSD General Manager with guidelines for allocating water supply during shortages.

The ERP and the Water Conservation Program adopted in DSRSD Ordinance 323 includes four stages of reductions depending on the severity on conditions. The ERP included numeric minimum targets as a guideline for quick decision-making during emergencies. The Water Conservation Program does not include any numeric targets that trigger each stage, nor any specific percentage reductions expected with each stage. Determination of compliance with specific criteria is very difficult due to the multitude of differing customer conditions. Rather, the intent of the program is to maintain some degree of flexibility for DSRSD to respond to water supply shortages.

## DSRSD: AT Dublin Project Water Supply Assessment



If an emergency were to occur, or if drought conditions occurred, requiring DSRSD to implement its *Water Shortage Contingency and Drought Plan*, all of DSRSD customers, including those within the Proposed Project, would be subject to the same water conservation measures and water use restrictions as included in DSRSD's *Water Shortage Contingency and Drought Plan*.

### 8.4 Verification of Sufficient Water Supply

As described in Section 7.0 of this WSA, DSRSD's water supplies are sufficient to meet the projected demands associated with the Proposed Project, in addition to DSRSD's existing and planned future uses, including, but not limited to, industrial uses. There are no existing nor planned agricultural uses in the DSRSD service area.

## DSRSD: AT Dublin Project Water Supply Assessment



### 9.0 WATER SUPPLY ASSESSMENT AND VERIFICATION APPROVAL PROCESS

*10910 (g)(1) Subject to paragraph (2), the governing body of each public water system shall submit the assessment to the city or county not later than 90 days from the date on which the request was received. The governing body of each public water system, or the city or county if either is required to comply with this act pursuant to subdivision (b), shall approve the assessment prepared pursuant to this section at a regular or special meeting.*

The DSRSD Board of Directors must approve this WSA at a regular or special meeting and provide it to the City of Dublin. Furthermore, this WSA must be included in the Draft EIR being prepared for the Proposed Project.

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## DSRSD: AT Dublin Project Water Supply Assessment

### 10.0 REFERENCES

AT Dublin Land Use Table, prepared by Shea Properties, January 16, 2018.

AT Dublin Proposed Land Use Plan, prepared by Shea Properties, January 17, 2018.

AT Dublin Fact Sheet, provided by Shea Properties, November 6, 2017.

City of Dublin General Plan, adopted February 11, 1985 and amended as of November 14, 2016.

City of Dublin AT Dublin General Plan Amendment Study Initiation Request, City Council Staff Report prepared by City of Dublin, dated October 3, 2017.

DSRSD Water System Master Plan, prepared by West Yost Associates, March 2016.

DSRSD 2015 Urban Water Management Plan, prepared by West Yost Associates, June 2016.

Zone 7 Water Agency 2015 Urban Water Management Plan, prepared by Zone 7 Water Agency, March 2016.

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**TITLE:** First Reading: Introduction of Ordinance Revising District Code Section by Adding Section 7.40.050, Informal Bidding Procedures, and Renumbering as Section 7.40.060 Former Section 7.40.050 Policies and Procedures for Purchasing Supplies and Equipment

**RECOMMENDATION:**

Staff recommends the Board of Directors waive, by Motion, the first reading of an Ordinance revising the District Code by adding a new Section 7.40.050, entitled “Informal Bidding Procedures under the Uniform Public Construction Cost Accounting Act” (Public Contract Code Section 22000, et seq.), and renumbering as Section 7.40.060 former Section 7.40.050, “Policies and procedures for purchasing supplies and equipment,” and schedule the Ordinance for second reading and adoption at the March 6, 2018 Regular Board meeting.

**SUMMARY:**

In a separate Board agenda item at the February 6 meeting, the Board adopted a resolution to elect to be subject to the California Uniform Public Construction Cost Accounting Act (the Act). This will streamline procedures, give staff more leeway in the execution of public works projects, speed up the award process, and improve timeliness of the project completion as formal bidding is not required until the cost exceeds \$175,000. In accordance with Section 22034 of the Act, the District is required to adopt by ordinance an informal bidding procedure to govern the selection of contractors to perform public projects pursuant to Subdivision (b) of Section 22032 of the Act.

This is the first of two readings of the proposed revisions to the District Code adding a new Section 7.40.050, entitled “Informal bidding procedures under the Uniform Public Construction Cost Accounting Act,” and renumbering as Section 7.40.060 former Section 7.40.050, “Policies and procedures for purchasing supplies and equipment.” These changes will bring the District’s informal bidding procedures into conformance with the requirements of the Act, to which the District would be subjecting itself by a preceding Board action.

As part of updating the District Code to incorporate informal bidding procedures under the Act, staff is proposing changes to the District’s current Purchasing policy. Currently, the Purchasing policy sets the General Manager’s approval limit at \$100,000. This limit was set in 1997, and if CPI had been applied annually to the limit, the General Manager’s approval limit today would be \$170,900. The revised Purchasing policy is proposing to update the General Manager’s approval limit to \$175,000 to align with the limits set in the Act and the updated District Code. This would apply to not only small capital projects, but also the purchase of materials, supplies, services, and equipment. Attached for the Board’s preliminary review is a redline version of the proposed changes to the Purchasing policy which will be brought to the Board for adoption by resolution at the March 6, 2018 Regular Board meeting.

Originating Department: Administrative Services	Contact: K. Vaden	Legal Review: Yes
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	<p>Attachment 1 – Redline of changes to District Code 7.40.050 and 7.40.060</p> <p>Attachment 2 – Redline of proposed changes to Purchasing policy</p>	
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**7.40.050 Informal bidding procedures under the Uniform Public Construction Cost Accounting Act**

**A. Informal Bid Procedures.** Public projects, as defined by the Uniform Public Construction Cost Accounting Act (the Act) and in accordance with the monetary limits listed in Section 22032 of the Public Contract Code, may be let to contract by informal procedures as set forth in Section 22032, et seq., of the Public Contract Code.

**B. Contractors List.** The District shall develop and maintain a list of contractors ("List") in accordance with the provisions of Section 22034 of the Public Contract Code and criteria promulgated from time to time by the California Uniform Construction Cost Accounting Commission.

**C. Notice Inviting Informal Bids.** Where a public project is to be performed which is subject to the provisions of the Act, not less than ten (10) calendar days before bids are due, a notice inviting informal bids may be mailed or sent by electronic means, to all contractors for the category of work to be bid, as shown on the Contractor's List; and/or to all construction trade journals, as specified by the California Uniform Construction Cost Accounting Commission in accordance with Section 22036 of the Public Contract Code. Additional contractors and/or construction trade journals may be notified at the discretion of the department/section soliciting bids, provided however:

- 1. If there is no list of qualified contractors maintained by the District for the particular category of work to be performed, the notice inviting bids shall be sent to the construction trade journals specified by the Commission.**
- 2. If the product or service is proprietary in nature such that it can be obtained only from a certain contractor or contractors, the notice inviting informal bids may be sent exclusively to such contractor or contractors.**

The notice inviting informal bids shall describe the project in general terms and how to obtain more detailed information about the project, and state the time, place and manner for the submission of bids.

**D. Award of Contracts.** The General Manager is authorized to award informal contracts pursuant to the respective monetary limits set forth by Section 22032 of the Public Contract Code and in the policies and procedures developed pursuant to Section 7.40.060 of the District Code.

**E. Bids Exceeding Informal Bid Limit.** Pursuant to subdivision (d) of Section 22034 of the Public Contract Code, if all bids are in excess of the informal bid monetary limit as set forth by the Act, as it may be modified from time to time, and the Board of Directors may, if it determines that the District's cost estimate was reasonable, by four-fifths vote award the contract to the lowest responsible bidder submitting as responsive bid.

**F. Adjustment of Amounts.** Pursuant to the terms of the Act, the maximum dollar amounts authorized therein for informal bidding of public projects are subject to change by the State of California from time to time. When effective, such adjusted monetary limits shall apply to the District's contracts awarded thereafter without any need to amend this Chapter 7.40 or any of the Sections contained therein.

**7.40.0560 Policies and procedures for purchasing supplies and equipment.**

The procedures described in section 7.40.050 and the referenced statutory provisions shall also apply to the purchase of goods and supplies in accordance with the monetary limits specified in Section 22032 of the Public Contract Code. In addition, the Board or, where delegated, the General Manager, shall from time to time establish more detailed policies and procedures, including bidding regulations, governing purchases of supplies and equipment by the District as required by specified in Section 54202 of the California Government Code. Purchases of supplies and equipment by the District shall be in accordance with said policies and in accordance with all provisions of law applicable thereto. No such policy or procedure shall be adopted which is inconsistent or in conflict with the Community Services District Law, the provisions of the Uniform Public Construction Cost Accounting Act within Public Contract Code, or any other statute applicable to community services districts, or any other applicable statute. [Ord. 327, 2010.]



<b>Policy No.:</b> P500-17-1	<b>Type of Policy:</b> Purchasing
<b>Policy Title:</b> Purchasing	
<b>Policy Description:</b> Purchasing of Materials, Supplies, Services and Equipment	
<b>Approval Date:</b> <u>3/21/2017</u>	<b>Last Review Date:</b> 2017
<b>Approval Resolution No.:</b> <u>13-17</u>	<b>Next Review Date:</b> <u>2021</u>
<b>Rescinded Resolution No.:</b> <u>14-06</u>	<b>Rescinded Resolution Date:</b> <u>3/21/2006</u>

It is the policy of the Board of Directors of Dublin San Ramon Services District that the District:

- Perform purchasing activities with the highest ethical standards.
- Purchase materials, supplies, non-professional services, technical services and equipment using processes to ensure the appropriate quality is received for a reasonable price.
- Incorporate environmental sustainability into purchasing decisions per the District Green Policy
- Secure professional services using an equitable, quality-based selection process.
- Provide fair and open competition.
- Define authority for the purchasing function.

### Purchasing Agent

The General Manager is designated as Purchasing Agent. The Purchasing Agent shall:

1. Establish written purchasing procedures and update them as needed, in conformance with the California Uniform Construction Cost Accounting Act, District Code Chapter 7.40, this policy, and with applicable laws.
2. Negotiate and sign contracts within the authority outlined in the California Uniform Construction Cost Accounting Act and this policy.
3. Purchase or contract for supplies, services and equipment required by the District, in accordance with the California Uniform Construction Cost Accounting Act and this policy.

Policy No.: P500-17-1

Policy Title: Purchasing

## Purchasing Authority

The General Manager is authorized to negotiate and execute contracts for all operating, Capital Outlay and emergency purchases, made in conformance with the purchasing procedures, as follows:

1. \$100175,000 per purchase order or contract for materials, supplies, equipment, services or other personal property.
2. Any amount for recurring, operational purchases such as:
  - Utility payments
  - Scheduled debt payments and related debt administration services
  - Chemical purchases
  - Payments to a District Joint Powers Agency within contractual agreements
  - Water purchase
  - Insurance payments
  - Retirement contributions
  - Payroll
  - Dougherty Valley Surcharge
3. Any amount during an emergency in accordance with the guidelines in the California Public Contract Code.

## Credit Cards

The General Manager is authorized on behalf of the District to enter into credit card agreements, designate who may receive and use credit cards issued on behalf of the District, execute security agreements with respect to the District's credit card accounts and otherwise bind the District with respect to its credit card accounts.

## Adjustment Award of Operating and Public Works Contracts

1. The General Manager has the authority to approve award contracts up to \$100175,000 in accordance with pursuant to the California Uniform Construction Cost Accounting Act and District Code Chapter 7.40. In addition, the General Manager has the authority to adjust those contracts up to his purchasing authority of \$100,000.
2. For those contracts in excess of \$100175,000 that were originally approved-awarded by the Board, the General Manager has the authority to make adjustments of up to \$100175,000, unless additional authority is delegated in an approving resolution.

## Public Works Contracts

The General Manager is authorized to award, and make associated decisions relating to, Public Works Contracts up to his purchasing authority of \$100,000. In addition, the General Manager is authorized to 133 of 146

**Policy No.:** P500-17-1**Policy Title:** Purchasing

adjust Public Works Contracts in excess of \$100,000 that were originally approved by the Board, by a maximum adjustment of \$100,000, unless additional authority is delegated in an approving resolution. This delegation expressly encompasses related discretionary decisions such as the responsibility to accept one of two or more tied bids, to reject all bids, to require bid bonds, to utilize emergency procedure set forth in the Code, sole source findings, post award determinations regarding subcontractor substitutions, determining whether to waive irregularities, determining whether to accept or reject a bid protest, and making determinations regarding the substitution of a subcontractor claimed to have been inadvertently listed under the procedures set forth in Public Contract Code section 4107.5. However, in the case where a bid protest is filed, the General Manager shall refer approval of the Public Works contract to the Board of Directors.

ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE OF DUBLIN SAN RAMON SERVICES DISTRICT REVISING THE DISTRICT CODE BY ADDING A NEW SECTION 7.40.050, ENTITLED "INFORMAL BIDDING PROCEDURES UNDER THE UNIFORM PUBLIC CONSTRUCTION COST ACCOUNTING ACT" AND RENUMBERING AS SECTION 7.40.060 FORMER SECTION 7.40.050, POLICIES AND PROCEDURES FOR PURCHASING SUPPLIES AND EQUIPMENT

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WHEREAS, the District elected to become subject to the California Uniform Public Construction Cost Accounting Act (the Act) (Section 22000, et seq. of the Public Contract Code), by Resolution No. 7-18 approved by the Board of Directors at a Regular Board meeting held February 6, 2018; and

WHEREAS, the current District Ordinance Code Chapter 7.40, Acquisition of Real Property, Supplies, and Equipment is silent in the matter of public works bidding procedures; and

WHEREAS, the current District Ordinance Code Section 7.40.050, Policies and procedures for purchasing supplies and equipment, includes purchasing policy and procedure provisions for supplies and equipment not related to public works projects; and

WHEREAS, in accordance with Section 22034 of the Act, the District hereby establishes an informal bid procedure to govern the selection of contractors to perform public projects pursuant to Subdivision (b) of Section 22032 of the Act.

NOW, THEREFORE, BE IT ORDAINED by the Board of Directors of Dublin San Ramon Services District as follows:

1. A new Section 7.40.050 of the District Ordinance Code, entitled "Informal bidding procedures under the Uniform Public Construction Cost Accounting Act" shall be added in the respective form in which it appears in Exhibit 1.

2. Existing Section 7.40.050, entitled "Policies and procedures for purchasing supplies and equipment," shall be renumbered as Section 7.40.060, and inserted into the District Ordinance Code in the respective form in which it appears in Exhibit 1. Notwithstanding the preceding sentence, wherever a provision of the new Section 7.40.060 is substantially the same as the previous version of Section 7.40.050, the provision shall be deemed to be a continuation of the previous version of the provision and not a new enactment.

3. The General Manager, or the person or persons to whom such task may from time to time be delegated, is further authorized and directed to make further non-substantive administrative changes, as approved by District General Counsel, to Sections 7.40.050 and 7.40.060, as respectively set

Ord. No. \_\_\_\_\_

forth in Exhibit 1 (including revisions in formatting as may be suggested by the publisher) for consistency and ease of reference within sixty (60) days from the date of adoption.

4. This Ordinance will be effective thirty (30) days after its adoption.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 6th day of March 2018, by the following vote:

AYES:

NOES:

ABSENT:

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Georange M. Vonheeder-Leopold, President

ATTEST: \_\_\_\_\_  
Nicole Genzale, District Secretary

**Proposed new DSRSD code section 7.40.050:**

**7.40.050 Informal bidding procedures under the Uniform Public Construction Cost Accounting Act**

**A. Informal Bid Procedures.** Public projects, as defined by the Uniform Public Construction Cost Accounting Act (the Act) and in accordance with the monetary limits listed in Section 22032 of the Public Contract Code, may be let to contract by informal procedures as set forth in Section 22032, et seq., of the Public Contract Code.

**B. Contractors List.** The District shall develop and maintain a list of contractors ("List") in accordance with the provisions of Section 22034 of the Public Contract Code and criteria promulgated from time to time by the California Uniform Construction Cost Accounting Commission.

**C. Notice Inviting Informal Bids.** Where a public project is to be performed which is subject to the provisions of the Act, not less than ten (10) calendar days before bids are due, a notice inviting informal bids may be mailed or sent by electronic means, to all contractors for the category of work to be bid, as shown on the Contractor's List; and/or to all construction trade journals, as specified by the California Uniform Construction Cost Accounting Commission in accordance with Section 22036 of the Public Contract Code. Additional contractors and/or construction trade journals may be notified at the discretion of the department/section soliciting bids, provided however:

1. If there is no list of qualified contractors maintained by the District for the particular category of work to be performed, the notice inviting bids shall be sent to the construction trade journals specified by the Commission.
2. If the product or service is proprietary in nature such that it can be obtained only from a certain contractor or contractors, the notice inviting informal bids may be sent exclusively to such contractor or contractors.

The notice inviting informal bids shall describe the project in general terms and how to obtain more detailed information about the project, and state the time, place and manner for the submission of bids.

**D. Award of Contracts.** The General Manager is authorized to award informal contracts pursuant to the respective monetary limits set forth by Section 22032 of the Public Contract Code and in the policies and procedures developed pursuant to Section 7.40.060 of the District Code.

**E. Bids Exceeding Informal Bid Limit.** Pursuant to subdivision (d) of Section 22034 of the Public Contract Code, If all bids are in excess of the informal bid monetary limit as set forth by the Act, as it may be modified from time to time, and the Board of Directors may, if it determines that the District's cost estimate was reasonable, by four-fifths vote award the contract to the lowest responsible bidder submitting as responsive bid.

**F. Adjustment of Amounts.** Pursuant to the terms of the Act, the maximum dollar amounts authorized therein for informal bidding of public projects are subject to change by the State of California from time to time. When effective, such adjusted monetary limits shall apply to the District's contracts awarded thereafter without any need to amend this Chapter 7.40 or any of the Sections contained therein.

**Proposed renumbering DSRSD code section 7.40.050 to 7.40.060**

**7.40.060 Policies and procedures for purchasing supplies and equipment.**

The procedures described in section 7.40.050 and the referenced statutory provisions shall also apply to the purchase of goods and supplies in accordance with the monetary limits specified in Section 22032 of the Public Contract Code. In addition, the Board or, where delegated, the General Manager, shall from time to time establish more detailed policies and procedures governing purchases of supplies and equipment by the District as specified in Section [54202](#) of the California Government Code. Purchases of supplies and equipment by the District shall be in accordance with said policies and in accordance with all provisions of law applicable thereto. No such policy or procedure shall be adopted which is inconsistent or in conflict with the Community Services District Law, the provisions of the Uniform Public Construction Cost Accounting Act within the Public Contract Code, or any other statute applicable to community services districts. [Ord. 327, 2010.]



**TITLE:** Receive Presentation and Provide Direction Regarding Boardroom Audio/Video Improvements (CIP 16-A004)

**RECOMMENDATION:**

Staff recommends the Board of Directors receive a presentation and direct staff to proceed with Option #3 in the staff report regarding an upgrade of the Boardroom audio and video systems.

**SUMMARY:**

Improving the Boardroom audio and video systems aligns with two of the District's core values: (1) Be open and transparent, and (2) Provide high quality customer service. Providing live and recorded Board meetings demonstrates the Board's commitment to transparency. Recorded meetings are a window into the business of the District and a reflection of how we do business throughout the District. Attending Board meetings at set dates and times is not possible for many of our customers. With recorded Board meetings, customers can access the Board's deliberation of important issues related to water and wastewater services at their convenience. Given the prevalence and ease of access of video information in our customers' lives, access to recorded meetings on the internet is considered a basic service that customers expect of their local government.

The attached staff report provides a summary of three options for the upgrade of the Boardroom audio and video systems to provide live and recorded video of the District Board meetings. Staff will provide a brief presentation at the Board meeting and answer questions.

Originating Department: Engineering Services	Contact: S. Delight	Legal Review: Not Required
Cost: \$361,128 (for recommended Option #3)	Funding Source: Capital and 5-Year Operating Cost	
Attachments: <input type="checkbox"/> None <input checked="" type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)		139 of 146

# STAFF REPORT



District Board of Directors  
February 20, 2018

## Receive Presentation and Provide Direction Regarding Boardroom Audio/Video Improvements (CIP 16-A004)

### BACKGROUND

Since 1992, the Boardroom, located in the District's administration building, has been where the business of the District is conducted, where priorities are established, millions of dollars are spent, and policies are developed that impact all our customers. It is expected this room will be the Boardroom for many years to come.

In April 2012, the Board decided to commence recording and broadcasting Board meetings, as inexpensively as possible, using existing District equipment. On June 5, 2012, the first DSRSD Board of Directors meeting was videotaped and broadcast live via a wide-angle camera mounted in the center of the Boardroom's back wall. Shortly thereafter, the live broadcasts were terminated because service from the internet provider was intermittent, but the District continued recording the meetings and posting them on YouTube the following morning where customers access them via a link on the District's website.

In June 2015, through the approval of the Capital Improvement Program two-year budget for Fiscal Years Ending (FYE) 2016/2017, the Board approved \$100,000 for the Board Meeting Audio/Video Improvements (CIP 16-A004) (Project), to upgrade the Boardroom audio system, install video cameras and video streaming and indexing equipment, and improve the Boardroom lighting.

In August 2016, staff presented the Board with options to upgrade the Boardroom's audio visual system. The Board directed staff to design sound and lighting enhancements to the Boardroom. The Board expressed its understanding that additional funding would be necessary to complete the appropriate improvements which the Board would decide at a future meeting.

In June 2017, through the approval of the Capital Improvement Program for FYE 2018/2019, \$145,000 was added to the Project budget for a total of \$245,000. Staff contracted with ID/Architecture and they subcontracted with Teecon (lighting and sound experts) to provide preliminary options and estimates. To date, \$15,000 has been spent, leaving \$230,000 in the CIP budget.

### DISCUSSION

Improving the Boardroom audio and video systems aligns with two of the District's core values: 1) Be open and transparent; and, 2) Provide high quality customer service. Providing live and recorded Board meetings demonstrates the Board's commitment to transparency. Recorded meetings are a window into the business of the District and a reflection of how we do business throughout the District. Attending Board meetings at set dates and times is not possible for many of our customers. With recorded Board meetings, customers can access the Board's deliberation of important issues related to water and wastewater services at their convenience.

In 2017, there were 1,047 views of DSRSD Board meeting videos, See Attachment 1, YouTube Analytics. Given the prevalence and ease of access of video information in our customer's lives, access to recorded meetings on

the internet is considered a basic service that customers expect of their local government; city councils, school Boards, and moreover, our water wholesaler provides recorded meetings.

### **Current Audio/Video System**

With the current Boardroom acoustics and audio equipment, it is difficult for people in the audience to hear what is being said during Board meetings and if listening via the digital recording of the meeting it is even more difficult to hear and understand what is being said. The older audio equipment picks up ambient noises in the room (air conditioner, lobby drinking fountain, street noises) interfering with the clarity of the speaker's voices. In addition, the wiring in the crook-neck microphones mounted on the dais has frayed over time, making the amplified sound intermittent.

The current video is provided by a stationery wide angle camera mounted in the center of the back wall. The camera was designed to be used atop a computer screen for one-on-one video chats. The image quality is poor and the camera provides only a view of the Board of directors and senior staff seated at the dais. The camera's single, distant image makes it impossible for viewers to discern who is speaking, see the individuals making presentations to the Board, or view the presentations projected on the side wall. The video quality is further compromised by the lighting in the room which was not designed with video recording in mind.

In addition to the issues above, the current video recording, uploaded to the internet the day after the Board meeting, is one continuous video file, requiring the viewer to tediously search back and forth in the video to find the item of interest. Typically governmental organizations provide video indexed to their meeting agendas so viewers can skip to and watch only the portion of the meeting in which they are interested.

### **Audio/Video Upgrade Options**

Table 1 provides three options with increasing levels of improvements, paired with different means for recording the meetings.

#### Option #1:

The first option improves the audio system and replaces the lighting with LEDs. This option does not include video cameras. Instead, the District would hire TV30 to video the meeting. TV30 would provide a live television broadcast of the meeting and a recorded, indexed video uploaded to their website and linked to the District's website. Based on 24 meetings per year, the TV30 annual cost would be approximately \$49,000. One drawback with TV30 is they require a week to index and upload the video to the internet. Another drawback is TV30 does not videotape in high definition. Lastly, TV30 would need to run temporary cabling into the building. This temporary cabling has proven to be disruptive to the public during similar recordings at Zone 7 Water Agency Board meetings.

This option has a capital cost of \$52,000, and an on-going operating cost of \$49,000 per year.

#### Option #2:

With the second option, the District would improve both the audio and video systems and replace the lighting with LEDs. The video system would include two to three high definition cameras permanently mounted in the Boardroom, allowing the viewer to switch between camera views or see multiple views at one time. With this option, the District would use a vendor to stream the meeting live, index the video with the agenda, and enable customers to view video on demand from the District's website. Possible vendors include, but are not limited to,

the following: AVCapture All, Granicus, iCompass, Leightronix, and OnBase. The one time capital cost is \$174,000. The annual operating cost would be \$3,000-\$12,000 per year, based on the vendor selected.

Option #3:

The third option is the same as the second option, but includes additional improvements to the Boardroom: new lighting design and fixtures; installation of a drop ceiling which would make future maintenance much easier; and HVAC system improvements to reduce ambient noise. The drop ceiling is needed to facilitate the enhanced new lighting. The one time capital cost is \$301,000 and would require an additional appropriation of \$71,000.

**Table 1, Board Room Audio Video Upgrades Option Cost Estimates**

Item	Option 1 Audio Only	Option 2 Audio/Video	Option 3 Audio/Video/Lighting
Audio System	30,000	30,000	30,000
Cameras and Video Recording System		103,500	103,500
Audio/Video Control System	5,250	8,550	8,550
Minor lighting improvements	10,000	10,000	
Replace lighting, electrical and ceiling			119,800
Subtotal	45,250	152,050	261,850
Contingency	6,788	22,808	39,278
Capital Cost	52,038	174,858	301,128
Annual Operating cost	49,344	12,000	12,000
Five-year Operating Cost	246,720	60,000	60,000
Total Five -year Cost (Capital + Operating)	298,758	234,858	361,128

## **RECOMMENDATION**

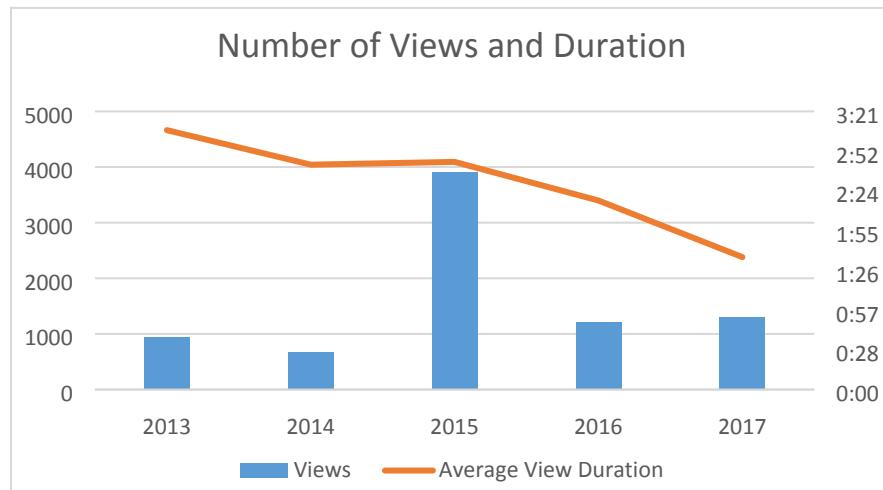
Staff recommends implementing Option 3. This option will provide a significant improvement to the quality of the current Board meeting recordings and allow customers more features in viewing the Board meetings, as well as, timely access to the videos live and on demand. The capital cost would be \$301,000, requiring a supplemental appropriation of \$71,000. Regarding the acoustical and furnishing improvement options, staff recommends at a minimum replacing the carpeting in the Boardroom.

## **Attachment**

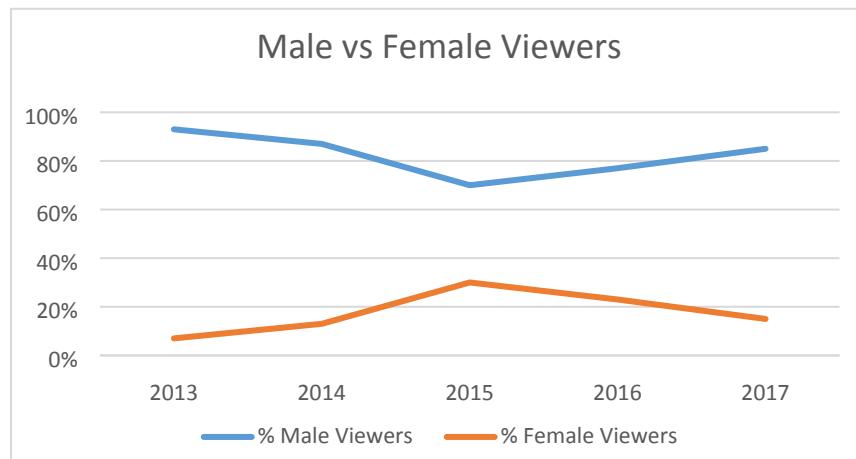
- YouTube Analytics

## YouTube Analytics

Are people watching the recorded board meetings? Yes. There were 1,407 views in 2017. In 2015, when California was experiencing an extreme drought and DSRSD was among the first of the water agencies to mandate water conservation measures, there were 3,909 views of DSRSD Board meetings with a total watch time of 10,759 minutes.



The top ten videos of 2015 were nine Board meetings, often when presentations occurred, and the one short video staff produced about DSRSD's Residential Recycled Water Fill Station.



More men than women watch the Board videos.

Most viewers (92%) watch the board meeting videos via the YouTube watch page; only two percent watch board meeting videos embedded in external websites and applications.

The only video that actually received comments was the DSRSD staff produced video about the Residential Recycled Water Fill Station:

- Three years ago, the comment: "Great video. I applaud the DSRSD Drought Team for their efforts!!!! I love recycled water!"
- Two years ago, the comment: "Awesome! I'm on board. Going to sign up!"

- Six months ago, the comment: "Fantastic project! It keeps human sewage out of the waterways and the ocean!"

### Dive deep into 2017 web analytics

In the most recent 365 days, there were 1,307 views and 2,093 minutes of watch time of DSRSD Board meeting videos. The ten most watched videos (minutes watched and number of views) and key business conducted in these board meetings were as follows:

- 163 views, 208 minutes watch time, meeting on June 6, 2017
  - Awarded construction for trenchless sewer replacement project
  - Approved 10 year and 2 year CIP budgets
  - Adopted operating budgets for FY18 and FY19
  - Supported ACWA policy on Bay-Delta functional flow requirements
- 167 views, 174 minutes watch time, meeting on June 20, 2017
  - Awarded construction agreement for 4<sup>th</sup> digester
  - Discussed repayment of Temporary Infrastructure Charge to water expansion fund
- 18 views, 137 minutes watch time, meeting March 7, 2017
  - Received presentation on local and regional wastewater rate study
  - Discussed DSRSD election procedures
- 40 views, 113 minutes watch time, meeting August 1, 2017
  - Received presentation on development in City of Dublin
  - Received presentation on Geographic Information System
  - Held hearing on levy of annual assessments in Dougherty Valley
- 84 views, 105 minutes watch time, meeting November 7, 2017
  - Approved tentative agreements with PEPU, MEBU, CEBU
  - Received presentation on Zone 7 Water Agency ozonation project
  - Received presentation on legislative and regulatory advocacy efforts
- 14 views, 102 minutes watch time, meeting December 6, 2016
  - 1<sup>st</sup> reading of ordinance regarding capacity allocation and fees for accessory dwelling units
  - Awarded construction agreement for DERWA recycled water treatment facilities
  - Received report on water quality
  - Approved proclamation honoring John Archer
- 54 views, 100 minutes watch time, Residential Recycled Water Fill Station video
- 35 views, 96 minutes watch time, meeting April 18, 2017
  - Received presentation on WWTP and biosolids master plan
  - Received presentation on regional and local wastewater rates
- 70 views, 85 minutes watch time, water recycling plant construction video
- 25 views, 77 minutes watch time, meeting December 20, 2016
  - Received report on residential recycled water fill station
  - 2<sup>nd</sup> reading of ordinance on capacity allocation and fees for accessory dwelling units
  - Selected President and Vice President of the Board



**TITLE:** Receive Presentation on the 2017 Information Technology Services Master Plan

**RECOMMENDATION:**

Staff recommends the Board of Directors receive a presentation on the 2017 Information Technology Services Master Plan.

**SUMMARY:**

The last Information Technology Services Master Plan (ITSMP) was created 16 years ago in 2001. Since then, the District has advanced its technology systems in many ways, and staff now uses technology in all aspects of District business. The new ITSMP serves as a roadmap for strategic technology initiatives and projects anticipated under the *2017-2022 Strategic Plan*. One of the eight goals of the Strategic Plan states in part that the District will *“fully utilize information system technology tools available to us and make additional financial investment in information systems.”*

The 2017 ITSMP covers the following key areas:

- Current Information Technology Services environment,
- Financial overview,
- Recent accomplishments,
- Current technology projects and initiatives,
- Future technology projects and initiatives,
- ITS operational initiatives – opportunity for transformational change, and
- The digital future.

This revised plan will be updated annually to reflect new initiatives, advancements in technology, and changing business needs.

Originating Department: Administrative Services	Contact: B. Treppa	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input checked="" type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)		145 of 146



**TITLE:** Receive Update on the Diversion of Central Contra Costa Sanitary District Wastewater for Recycled Water Supply

**RECOMMENDATION:**

Staff recommends the Board of Directors receive an update on the diversion of Central Contra Costa Sanitary District (Central San) wastewater for use as a recycled water supply.

**SUMMARY:**

The wastewater influent to the Regional Wastewater Treatment Facility serves as the source of supply to the DERWA Recycled Water Treatment Facility. During prolonged hot weather in the summer the DERWA and Pleasanton recycled water demand exceeds the wastewater supply. DSRSD and EBMUD staff have been evaluating options to supplement the recycled water supply.

One option is to divert wastewater from the Central San collection system into DSRSD's collection system. Wastewater from Dougherty Valley and south San Ramon flows to Central San's South San Ramon Pump Station (formerly known as the Larwin Pump Station) located in San Ramon, east of California High School on the east side of South San Ramon Creek. The northern end of DSRSD's collection system is also in this area. In fact, prior to the construction of the South San Ramon Pump Station, DSRSD collected and treated wastewater emanating from south San Ramon, and infrastructure sufficient to collect wastewater from the area remains in place. An emergency overflow connection between the two systems currently exists.

On December 18, 2017, DSRSD staff attended a Central San Real Estate, Environmental and Planning (REEP) Committee meeting to discuss a proposal to divert approximately 1.3 million gallons per day of wastewater from the Central San collection system. The highlights of the proposal were as follows:

- Diversion will take place during the peak summer months.
- DSRSD would pay for design, construction, permitting, and treatment costs.
- The agreement will sunset if Central San requires the wastewater for its recycled water program.

The Committee was concerned with potential operational impacts with reduced flows such as pump operations and odors. It also wanted to assure the local community and City of San Ramon were apprised of the project and their concerns addressed. Direction from the Committee was to take the item to the full Central San Board at its March 1 meeting, which DSRSD staff will be attending.

Originating Department: Engineering Services	Contact: J. Zavadil	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input checked="" type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	146 of 146	