

SOLANO COUNTY WATER AGENCY



BOARD OF DIRECTORS:

Chair:

Supervisor Erin Hannigan
Solano County District 1

Vice Chair:

Mayor Pete Sanchez
City of Suisun City

Mayor Len Augustine
City of Vacaville

Mayor Thom Bogue
City of Dixon

Supervisor Monica Brown
Solano County District 2

Director Dale Crossley
Reclamation District No. 2068

Director John D. Kluge
Solano Irrigation District

Director Ryan Mahoney
Maine Prairie Water District

Mayor Elizabeth Patterson
City of Benicia

Mayor Harry Price
City of Fairfield

Mayor Norm Richardson
City of Rio Vista

Mayor Bob Sampayan
City of Vallejo

Supervisor Jim Spering
Solano County District 3

Supervisor Skip Thomson
Solano County District 5

Supervisor John Vasquez
Solano County District 4

GENERAL MANAGER:

Roland Sanford
Solano County Water Agency

BOARD OF DIRECTORS MEETING

DATE: Thursday, January 12, 2017

TIME: 6:30 P.M.

PLACE: Berryessa Room
Solano County Water Agency Office
810 Vaca Valley Parkway, Suite 203
Vacaville

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **APPROVAL OF AGENDA**

4. **PUBLIC COMMENT**

Limited to 5 minutes for any one item not scheduled on the Agenda.

5. **ELECTION OF OFFICERS AND APPOINTMENT OF EXECUTIVE COMMITTEE FOR 2017**

6. **CONSENT ITEMS**

(A) Minutes: Approval of the Minutes of the Board of Directors meeting of December 8, 2016 is recommended.

(B) Expenditure Approvals: Approval of the December 2016 checking account register is recommended.

(C) Quarterly Financial Reports: Approve the Income Statement and the Balance Sheet of December 31, 2016.

(D) Flood Control Advisory Committee Re-Appointments: Reappoint public members Paul Lum and Charles Karnopp to two-year terms on the Flood Control Advisory Committee.

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Vacaville, California 95688
Phone (707) 451-6090 • FAX (707) 451-6099
www.scwa2.com



- (E) State Water Project Municipal Water Quality Investigations Program: Authorize General Manager to execute agreements with the California Department of Water Resources and State Water Project Contractors Authority for the State Water Project Municipal Water Quality Investigations Program.
- (F) Contract Amendment for Continued Government Relations Representation by Clean Tech Advocates: Authorize General Manager to execute Contract Amendment 2 to extend term of existing 2-year contract by 6 months and increase contract amount by \$56,000, from \$160,000 to \$216,000.
- (G) Dissolution of SCWA Strategic Planning Committee: Dissolve SCWA Strategic Planning Committee now that the strategic plan has been completed and adopted by the SCWA Board.
- (H) SCWA High Efficiency Washer Rebate Program: Authorize General Manager to execute \$125,000 service agreement with Thinking Green Consultants to administer SCWA High Efficiency Washer Rebate Program

7. **BOARD MEMBER REPORTS**

RECOMMENDATION: For information only.

8. **GENERAL MANAGER'S REPORT**

RECOMMENDATION: For information only.

9. **ADOPT 2017 QUARTERLY MEETING CALENDAR FOR WATER POLICY AND LEGISLATIVE COMMITTEES**

RECOMMENDATION: Adopt 2017 quarterly meeting calendar for the Board's Water Policy and Legislative committees.

10. **PUTAH SOUTH CANAL SIPHON INSPECTIONS**

RECOMMENDATIONS:

1. Authorize General Manager to execute \$102,555 contract with Global Diving & Salvage, Inc. to conduct remotely operated vehicle inspections of the three largest siphons on the Putah South Canal.
2. Authorize General Manager – at the General Manager's discretion – to execute a contract amendment for up to \$30,000 should additional, currently unforeseen, scope of work activities become necessary and/or desirable.

11. WATER POLICY UPDATES

RECOMMENDATIONS:

1. Hear report from staff on current and emerging Delta and Water Policy issues and provide direction.
2. Hear status report from Committee Chair on activities of the SCWA Water Policy Committee **(No report, committee has not met since last SCWA Board meeting)**.
3. Hear report from Supervisor Thomson on activities of the Delta Counties Coalition and Delta Protection Commission.
4. Hear report from Legislative Committee **(No report, committee has not met since last SCWA Board meeting)**.

12. TIME AND PLACE OF NEXT MEETING

Thursday, February 9, 2017 at 6:30 p.m. at the SCWA offices.

The Full Board of Directors packet with background materials for each agenda item can be viewed on the Agency's website at www.scwa2.com.

Any materials related to items on this agenda distributed to the Board of Directors of Solano County Water Agency less than 72 hours before the public meeting are available for public inspection at the Agency's offices located at the following address: 810 Vaca Valley Parkway, Suite 203, Vacaville, CA 95688. Upon request, these materials may be made available in an alternative format to persons with disabilities.

CONSENT ITEMS

**SOLANO COUNTY WATER AGENCY
BOARD OF DIRECTORS MEETING MINUTES**

MEETING DATE: December 8, 2016

The Solano County Water Agency Board of Directors met this evening at the Solano County Water Agency. Present were:

Supervisor Erin Hannigan, Solano County District 1
Supervisor James Spering, Solano County District 3
Supervisor John Vasquez, Solano County District 4
Supervisor Skip Thomson, Solano County District 5
Mayor Jack Batchelor, City of Dixon
Mayor Elizabeth Patterson, City of Benicia
Mayor Harry Price, City of Fairfield
Mayor Len Augustine, City of Vacaville
Mayor Pete Sanchez, City of Suisun City
Mayor Sam Sampayan, City of Vallejo
Manager Mike Hardesty, Reclamation District 2068
Director John Kluge, Solano Irrigation District

CALL TO ORDER

The meeting was called to order at 6:30 P.M. by Chair Hannigan.

APPROVAL OF AGENDA

On a motion by Director Kluge and a second by Mayor Batchelor the Board unanimously approved the agenda.

PUBLIC COMMENT

There were no public comments.

CONSENT ITEMS

On a motion by Mayor Patterson and a second by Mayor Price the Board unanimously approved the consent items:

- (A) Minutes
- (B) Expenditure Approvals
- (C) Purchase of 2016 Vrisimo 84FH Flail Mower for ASV Tractor

BOARD MEMBER REPORTS

There were no board member reports.

GENERAL MANAGER'S REPORT

In addition to the General Manager's written report, a postcard describing upcoming public meetings on the Sustainable Groundwater Management Act was distributed to Board members.

ADOPTION OF SCWA 2016 STRATEGIC PLAN

On a motion by Mayor Batchelor and a second by Mayor Price the Board unanimously approved the 2016 SCWA Strategic Plan.

LAKE BERRYESSA OUTREACH PRESENTATION

SCWA interns gave an informational presentation on the 2016 Lake Berryessa Outreach program. No Board action was taken.

WINTERS SALMON FESTIVAL

Chris Lee gave an informational presentation on the Winters Salmon Festival. No Board action was taken.

LOWER PUTAH CREEK SALMON STUDY

On a motion by Supervisor Spering and a second by Mayor Price the Board unanimously approved the Lower Putah Creek Salmon Study.

WATER POLICY UPDATES

1. There was no report from staff on current and emerging Delta and Water Policy issues.
2. There was no report on activities of the SCWA Water Policy Committee.
3. Supervisor Thomson reported on activities of the Delta Counties Coalition and Delta Protection Commission. Supervisor Thomson reported on a panel he was on at Fall ACWA Conference last month discussing local agency participation in Yolo Bypass activities and programs. Supervisor Thomson was elected as the Chair of the Delta Protection Commission and appointed to the Delta Stewardship Council.
4. The Legislative Committee will next meet in February of 2017, date TBD.

TIME AND PLACE OF NEXT MEETING

Thursday, January 12, 2017 at 6:30 p.m. at the SCWA offices.

ADJOURNMENT

This meeting of the Solano County Water Agency Board of Directors was adjourned at 7:35 p.m.

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017
SUBJECT: Expenditures Approval

RECOMMENDATIONS:

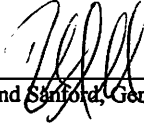
Approve expenditures from the Water Agency checking accounts for the month of December 2016.

FINANCIAL IMPACT:

All expenditures are within previously approved budget amounts.

BACKGROUND:

The Water Agency auditor has recommended that the Board of Directors approve all expenditures (in arrears). Attached is a summary of expenditures from the Water Agency's checking accounts for the month of December, 2016. Additional backup information is available upon request.

Recommended:  _____
Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

☐

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next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2016 to Dec 31, 2016

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Date	Check #	Name	Account	Line Description	Debit Amount	Credit Amount
12/1/16	29232V	AQUATIC INFORMATI	2020SC 1020SC	Invoice: INV51904 AQUATIC INFORMATICS. INC	2,500.00	2,500.00
12/1/16	29238V	HAUGHN & SON TIRE	2020SC 2020SC 1020SC	Invoice: 381771 Invoice: 381900 HAUGHN & SON TIRE	800.74	363.05 437.69
12/1/16	29326	AQUATIC INFORMATI	2020SC 1020SC	Invoice: INV51904 AQUATIC INFORMATICS. INC	2,500.00	2,500.00
12/1/16	29327	HAUGHN & SON TIRE	2020SC 2020SC 1020SC	Invoice: 381771 Invoice: 381900 HAUGHN & SON TIRE	363.05 437.69	800.74
12/1/16	EFT	CALPERS	2020SC 1020SC	Invoice: DEC HEALTH 2016 CALPERS	16,400.14	16,400.14
12/3/16	EFT	PAYROLL TAXES	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES - 12.03.16 EMPLOYER LIABILITIES - 12.03.16 PAYROLL TAXES	17,655.68 1,652.06	19,307.74
12/3/16	EFT	CALPERS	2020SC 1020SC	Invoice: PPE 12.3.16 CALPERS	7,898.32	7,898.32
12/3/16	EFT	CALPERS	2020SC 1020SC	Invoice: PEPRA PPE 12.3.16 CALPERS	962.14	962.14
12/3/16	EFT	CALPERS	2020SC 1020SC	Invoice: SIP PPE 12.3.16 CALPERS	3,917.06	3,917.06
12/6/16	COLIAS	BANK OF THE WEST	6330AC 6166SC 6551AC 6166SC 6040AC 6166SC 6166SC 6166SC 6551AC 6166SC 6551AC 6166SC 6166SC 1020SC	SO PT HOTEL AND CASINO STAPLES STAPLES FULL SOURCE LLC LESTER FARMS STAPLES MICHAELS STAPLES DIRECT WALMART FACEBOOK STAPLES LOWES STAPLES BANK OF THE WEST	268.80 15.99 42.23 137.74 36.99 17.25 21.55 52.78 27.34 33.41 36.67 10.77 17.03	718.55
12/9/16	29328	AGRICHEM SERVICES,	2020G 1020SC	Invoice: 16018 AGRICHEM SERVICES, INC.	5,320.00	5,320.00
12/9/16	29328V	AGRICHEM SERVICES,	2020G 1020SC	Invoice: 16018 AGRICHEM SERVICES, INC.	5,320.00	5,320.00
12/9/16	29329	THE REINAL T-THOMA	2020SC 1020SC	Invoice: 1853898 THE REINAL T-THOMAS CORP	431.32	431.32
12/9/16	29329V	THE REINAL T-THOMA	2020SC 1020SC	Invoice: 1853898 THE REINAL T-THOMAS CORP	431.32	431.32
12/9/16	29330	AT&T	2020SC 1020SC	Invoice: 8874850 AT&T	188.07	188.07
12/9/16	29330V	AT&T	2020SC 1020SC	Invoice: 8874850 AT&T	188.07	188.07
12/9/16	29331	JACK BATCHELOR	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 JACK BATCHELOR	125.92	125.92
12/9/16	29331V	JACK BATCHELOR	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 JACK BATCHELOR	125.92	125.92

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12/9/16	29332	CDW GOVERNMENT, I	2020SC 1020SC	Invoice: GDD3718 CDW GOVERNMENT, INC.	2,572.52	2,572.52
12/9/16	29332V	CDW GOVERNMENT, I	2020SC 1020SC	Invoice: GDD3718 CDW GOVERNMENT, INC.	2,572.52	2,572.52
12/9/16	29333	CENTRAL VALLEY EQ	2020SC 1020SC	Invoice: 16879 CENTRAL VALLEY EQUIPMENT REPAIR	531.59	531.59
12/9/16	29333V	CENTRAL VALLEY EQ	2020SC 1020SC	Invoice: 16879 CENTRAL VALLEY EQUIPMENT REPAIR	531.59	531.59
12/9/16	29334	CLEAN TECH ADVOCA	2020N 1020SC	Invoice: DECEMBER 2016 CLEAN TECH ADVOCATES	8,600.00	8,600.00
12/9/16	29334V	CLEAN TECH ADVOCA	2020N 1020SC	Invoice: DECEMBER 2016 CLEAN TECH ADVOCATES	8,600.00	8,600.00
12/9/16	29335	DALE CROSSLEY	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 DALE CROSSLEY	100.00	100.00
12/9/16	29335V	DALE CROSSLEY	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 DALE CROSSLEY	100.00	100.00
12/9/16	29336	OSBY DAVIS	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 OSBY DAVIS	118.36	118.36
12/9/16	29336V	OSBY DAVIS	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 OSBY DAVIS	118.36	118.36
12/9/16	29337	DEPARTMENT OF GEN	2020SC 1020SC	Invoice: HUMVEE T24406 DEPARTMENT OF GENERAL SERVICES	3,920.00	3,920.00
12/9/16	29337V	DEPARTMENT OF GEN	2020SC 1020SC	Invoice: HUMVEE T24406 DEPARTMENT OF GENERAL SERVICES	3,920.00	3,920.00
12/9/16	29338	MIKE HARDESTY	2020SC 1020SC	Invoice: 2016 DEC MTG MIKE HARDESTY	100.00	100.00
12/9/16	29338V	MIKE HARDESTY	2020SC 1020SC	Invoice: 2016 DEC MTG MIKE HARDESTY	100.00	100.00
12/9/16	29339	HOME DEPOT CREDIT	2020SC 1020SC	Invoice: 213668 HOME DEPOT CREDIT SERVICE	9.13	9.13
12/9/16	29339V	HOME DEPOT CREDIT	2020SC 1020SC	Invoice: 213668 HOME DEPOT CREDIT SERVICE	9.13	9.13
12/9/16	29340	INTEGRATED ENVIRO	2020SC 1020SC	Invoice: 72812 INTEGRATED ENVIRONMENTAL RESTORATION	625.00	625.00
12/9/16	29340V	INTEGRATED ENVIRO	2020SC 1020SC	Invoice: 72812 INTEGRATED ENVIRONMENTAL RESTORATION	625.00	625.00
12/9/16	29341	JENSEN INSTRUMENT	2020SC 1020SC	Invoice: 17712 JENSEN INSTRUMENT COMPANY	227.24	227.24
12/9/16	29341V	JENSEN INSTRUMENT	2020SC 1020SC	Invoice: 17712 JENSEN INSTRUMENT COMPANY	227.24	227.24
12/9/16	29342	JOHN D. KLUGE	2020SC 1020SC	Invoice: DEC 20106 BOARD MTG JOHN D. KLUGE	100.00	100.00

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12/9/16	29342V	JOHN D. KLUGE	2020SC 1020SC	Invoice: DEC 20106 BOARD MTG JOHN D. KLUGE	100.00	100.00
12/9/16	29343	M&M SANITARY LLC	2020SC 1020SC	Invoice: 496011 M&M SANITARY LLC	176.00	176.00
12/9/16	29343V	M&M SANITARY LLC	2020SC 1020SC	Invoice: 496011 M&M SANITARY LLC	176.00	176.00
12/9/16	29344	N&S TRACTOR	2020SC 1020SC	Invoice: EY00173 N&S TRACTOR	13,926.68	13,926.68
12/9/16	29344V	N&S TRACTOR	2020SC 1020SC	Invoice: EY00173 N&S TRACTOR	13,926.68	13,926.68
12/9/16	29345	NAPA COUNTY FC&W	2020N 1020SC	Invoice: PASS THRU #14 NAPA COUNTY FC&WCD	25,110.00	25,110.00
12/9/16	29345V	NAPA COUNTY FC&W	2020N 1020SC	Invoice: PASS THRU #14 NAPA COUNTY FC&WCD	25,110.00	25,110.00
12/9/16	29346	PACIFIC ACE HARDW	2020SC 1020SC	Invoice: 216691 PACIFIC ACE HARDWARE	16.60	16.60
12/9/16	29346V	PACIFIC ACE HARDW	2020SC 1020SC	Invoice: 216691 PACIFIC ACE HARDWARE	16.60	16.60
12/9/16	29347	ELIZABETH PATTERSO	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 ELIZABETH PATTERSON	116.20	116.20
12/9/16	29347V	ELIZABETH PATTERSO	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 ELIZABETH PATTERSON	116.20	116.20
12/9/16	29348	PISANIS AUTO PARTS	2020SC 1020SC	Invoice: 732899 PISANIS AUTO PARTS	14.94	14.94
12/9/16	29348V	PISANIS AUTO PARTS	2020SC 1020SC	Invoice: 732899 PISANIS AUTO PARTS	14.94	14.94
12/9/16	29349	HOME DEPOT CREDIT	2020SC 1020SC	Invoice: 214728 HOME DEPOT CREDIT SERVICE	9.21	9.21
12/9/16	29349V	HOME DEPOT CREDIT	2020SC 1020SC	Invoice: 214728 HOME DEPOT CREDIT SERVICE	9.21	9.21
12/9/16	29350	HOME DEPOT CREDIT	2020SC 1020SC	Invoice: 6025658 HOME DEPOT CREDIT SERVICE	245.60	245.60
12/9/16	29350V	HOME DEPOT CREDIT	2020SC 1020SC	Invoice: 6025658 HOME DEPOT CREDIT SERVICE	245.60	245.60
12/9/16	29351	A & L WESTERN AGRI	2020SC 1020SC	Invoice: 183809 A & L WESTERN AGRICULTURAL LABS	36.00	36.00
12/9/16	29352	AG INNOVATIONS	2020SC 1020SC	Invoice: 2286 AG INNOVATIONS	20,437.94	20,437.94
12/9/16	29352V	AG INNOVATIONS	2020SC 1020SC	Invoice: 2286 AG INNOVATIONS	20,437.94	20,437.94
12/9/16	29353	AMERICAN TOWER CO	2020SC 1020SC	Invoice: 2308357 AMERICAN TOWER CORPORATION	556.02	556.02
12/9/16	29354	BARTEL ASSOCIATES	2020SC 1020SC	Invoice: 16-956 BARTEL ASSOCIATES	6,305.00	6,305.00
12/9/16	29355	JACK BATCHELOR	2020SC 1020SC	Invoice: EXEC MTG DEC 2016 JACK BATCHELOR	100.00	100.00

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12/9/16	29356	BSK ASSOCIATES	2020SC 1020SC	Invoice: A629139 BSK ASSOCIATES	120.00	120.00
12/9/16	29357	CALPERS LONG-TERM	2020SC 1020SC	Invoice: 11386886 CALPERS LONG-TERM CARE PROGRAM	871.00	871.00
12/9/16	29358	DEPT OF FORESTRY &	2020SC 1020SC	Invoice: 139124 DEPT OF FORESTRY & FIRE PROTECTION	914.48	914.48
12/9/16	29359	FASTRAK	2020SC 1020SC	Invoice: T711663656177 FASTRAK	40.00	40.00
12/9/16	29360	GHD, INC.	2020SC 2020SC 1020SC	Invoice: 73254 Invoice: 73258 GHD, INC.	4,488.00 102.00	4,590.00
12/9/16	29361	DENNIS GRUNSTAD	2020SC 1020SC	Invoice: 11-(16) DENNIS GRUNSTAD	880.00	880.00
12/9/16	29362	HOME DEPOT CREDIT	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 3040424 Invoice: 4013969 Invoice: 4241609 Invoice: 0260296 Invoice: 3040425 Invoice: 3040426 HOME DEPOT CREDIT SERVICE	44.99 217.28 89.37 943.33 44.11 88.51	1,427.59
12/9/16	29363	HYDRO SCIENTIFIC W	2020SC 1020SC	Invoice: 1950 HYDRO SCIENTIFIC WEST, INC.	4,573.55	4,573.55
12/9/16	29364	IN COMMUNICATIONS	2020SC 1020SC	Invoice: 2016-68 IN COMMUNICATIONS	1,942.50	1,942.50
12/9/16	29365	JEFFREY J JANIK	2020N 1020SC	Invoice: 1116-3 JEFFREY J JANIK	600.00	600.00
12/9/16	29366	JOHN D. KLUGE	2020SC 1020SC	Invoice: EXEC MTG DEC 2016 JOHN D. KLUGE	100.00	100.00
12/9/16	29367	LSA ASSOCIATES, INC.	2020SC 1020SC	Invoice: 149749 LSA ASSOCIATES, INC.	45,658.35	45,658.35
12/9/16	29368	MARTIN'S METAL FAB	2020SC 1020SC	Invoice: 138293 MARTIN'S METAL FABRICATION &	107.88	107.88
12/9/16	29369	RAY MORGAN COMPA	2020SC 1020SC	Invoice: SQ30755 RAY MORGAN COMPANY	295.00	295.00
12/9/16	29370	TERRY RIDDLE	2020SC 1020SC	Invoice: FCAC DEC 16 PER DIEM TERRY RIDDLE	39.80	39.80
12/9/16	29371	ROCK STEADY JUGGLI	2020SC 1020SC	Invoice: 1181 ROCK STEADY JUGGLING	750.00	750.00
12/9/16	29372	SBS LEASING A PROGR	2020SC 2020SC 1020SC	Invoice: 52420647 Invoice: 52421437 SBS LEASING A PROGRAM DE LAGE	980.93 77.67	1,058.60
12/9/16	29373	SOLANO COUNTY FLE	2020U 1020SC	Invoice: NOV 2016 SOLANO COUNTY FLEET MANAGEMENT	541.02	541.02
12/9/16	29374	JAMES SPERING	2020SC 1020SC	Invoice: EXEC MTG DEC 2016 JAMES SPERING	100.00	100.00

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12/9/16	29375	SUSTAINABLE SOLAN	2020SC 1020SC	Invoice: NOVEMBER 2016 SUSTAINABLE SOLANO	4,291.25	4,291.25
12/9/16	29376	THE REGENTS OF THE	2020SC 2020SC 2020SC 1020SC	Invoice: 20902-36 Invoice: 20902-37 Invoice: 20902-38 THE REGENTS OF THE UNIVERSITY OF CA	52,050.55 20,814.51 28,207.32	101,072.38
12/9/16	29377	THINKING GREEN CON	2020SC 1020SC	Invoice: 001 THINKING GREEN CONSULTANTS	2,587.47	2,587.47
12/9/16	29378	WEST ASSOCIATES EN	2020SC 2020SC 1020SC	Invoice: 16-95 Invoice: 16-96 WEST ASSOCIATES ENVIRONMENTAL ENGINEERS	1,400.00 637.50	2,037.50
12/9/16	29379	ALLIANCE FOR WATE	2020SC 1020SC	Invoice: DUES 2018 ALLIANCE FOR WATER EFFICIENCY	8,740.00	8,740.00
12/9/16	29380	SHARP ELECTRONICS	2020SC 1020SC	Invoice: C922797-541 SHARP ELECTRONICS CORPRATION	2,276.68	2,276.68
12/9/16	29381	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: JENNIFER ONG ICON OWNER POOL 1 SF NON-BUSINESS PARKS	308.00	308.00
12/9/16	29382	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: ALLISON SHORT ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,000.00	1,000.00
12/9/16	29383	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: BENJAMIN GENOLAGA ICON OWNER POOL 1 SF NON-BUSINESS PARKS	392.00	392.00
12/9/16	29383V	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: BENJAMIN GENOLAGA ICON OWNER POOL 1 SF NON-BUSINESS PARKS	392.00	392.00
12/9/16	29384	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: MAURICE CAREY ICON OWNER POOL 1 SF NON-BUSINESS PARKS	307.00	307.00
12/9/16	29385	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: LYNN MCCLOSKEY ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,000.00	1,000.00
12/9/16	29385V	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: LYNN MCCLOSKEY ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,000.00	1,000.00
12/9/16	29386	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: CYNTHIA J BETTINI ICON OWNER POOL 1 SF NON-BUSINESS PARKS	442.00	442.00
12/9/16	29387	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: ZHUANGWU LI ICON OWNER POOL 1 SF NON-BUSINESS PARKS	547.50	547.50
12/9/16	29388	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: CATHERINE DECKER ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,000.00	1,000.00
12/9/16	29389	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: LYNN MCCLOSKEY ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,000.00	1,000.00

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Date	Check #	Name	Account	Line Description	Debit Amount	Credit Amount
12/9/16	29390	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: BENJAMIN GENOLAGA ICON OWNER POOL 1 SF NON-BUSINESS PARKS	392.00	392.00
12/9/16	EFT	PAYCHEX, INC.	2020SC 1020SC	Invoice: 2016120701 PAYCHEX, INC.	180.30	180.30
12/11/16	ASHLE	BANK OF THE WEST	6040AC 6090AC	NAPOLI PIZZA - MEETING ASSOCIATION OF CA - FALL CONFERENCE REGISTRATION FOR CHRIS LEE	68.00 695.00	
			6040AC 6040AC 6090AC	REMOTELINK - CONF CALL REMOTELINK - CONF CALL ASSOC OF CA - REGISTRATION FOR PETE SANCHEZ	12.57 24.64 40.00	
			6040AC 6040AC	NAPOLI PIZZA - MEETIN GROCERY OUTLET - SALAD DRESSING FOR LEGISLATIVE COMM	54.56 5.56	
			6040AC 6040AC 6040AC	NATIONS - PIE FOR TEAM MEETING REMOTELINK - CONF CALL USPS - MAILED OUT PACKAGE FOR DUC	23.20 21.30 15.10	
			6040AC 6040AC 1020SC	REMOTELINK - CONF CALL WALMART - COOKIES FOR BOARD BANK OF THE WEST	40.61 10.10	1,010.64
12/14/16	28952V	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: ICON OWNER POOL ICON OWNER POOL 1 SF NON-BUSINESS PARKS	3,200.00	3,200.00
12/14/16	28953V	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: ICON OWNER POOL 1 ICON OWNER POOL 1 SF NON-BUSINESS PARKS	5,000.00	5,000.00
12/16/16	29391	AG INNOVATIONS	2020SC 2020SC 1020SC	Invoice: 2286 Invoice: 2299 AG INNOVATIONS	4,562.06 831.25	5,393.31
12/16/16	29392	THE REINAL T-THOMA	2020SC 1020SC	Invoice: 1853898 THE REINAL T-THOMAS CORP	431.32	431.32
12/16/16	29393	ARAMARK REFRESHM	2020SC 2020SC 2020SC 1020SC	Invoice: 1262365 Invoice: 1252614 Invoice: 8918815 ARAMARK REFRESHMENT SERVICES	19.19 18.19 54.17	91.55
12/16/16	29394	JACK BATCHELOR	2020SC 2020SC 1020SC	Invoice: STRATEGIC NOV 2016 Invoice: 2016 DEC BOARD MTG JACK BATCHELOR	125.92 112.96	238.88
12/16/16	29395	BLUELINE RENTAL	2020SC 1020SC	Invoice: 3758047001 BLUELINE RENTAL	59,914.64	59,914.64
12/16/16	29396	BSK ASSOCIATES	2020SC 2020SC 1020SC	Invoice: A629883 Invoice: A629888 BSK ASSOCIATES	120.00 420.00	540.00
12/16/16	29397	DALE CROSSLEY	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 DALE CROSSLEY	100.00	100.00
12/16/16	29398	MIKE HARDESTY	2020SC 1020SC	Invoice: 2016 DEC MTG MIKE HARDESTY	100.00	100.00
12/16/16	29399	JOHN D. KLUGE	2020SC 1020SC	Invoice: DEC 20106 BOARD MTG JOHN D. KLUGE	100.00	100.00
12/16/16	29400	ELIZABETH PATTERSO	2020SC	Invoice: STRATEGIC NOV 2016	116.20	

SOLANO COUNTY WATER AGENCY
Cash Disbursements Journal
For the Period From Dec 1, 2016 to Dec 31, 2016

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			2020SC 1020SC	Invoice: DEC 2016 BOARD MTG ELIZABETH PATTERSON	132.94	249.14
12/16/16	29401	BOB SAMPAYAN	2020SC 1020SC	Invoice: DEC 2016 BOARD MTG BOB SAMPAYAN	127.00	127.00
12/16/16	29402	LINDA SEIFERT	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 LINDA SEIFERT	100.00	100.00
12/16/16	29403	JAMES SPERING	2020SC 1020SC	Invoice: DEC 2016 BOARD MTG JAMES SPERING	100.00	100.00
12/16/16	29404	JOHN VASQUEZ	2020SC 2020SC 1020SC	Invoice: STRATEGIC NOV 2016 Invoice: DEC 2016 BOARD MTG JOHN VASQUEZ	100.00 100.00	200.00
12/16/16	29405	OSBY DAVIS	2020SC 1020SC	Invoice: STRATEGIC NOV 2016 OSBY DAVIS	118.36	118.36
12/16/16	29406	DEPARTMENT OF GEN	2020SC 2020SC 1020SC	Invoice: HUMVEE T24406 Invoice: T24354 48-9-3853-3A DEPARTMENT OF GENERAL SERVICES	3,695.00 225.00	3,920.00
12/16/16	29407	GLOBAL MACHINERY	2020SC 1020SC	Invoice: 06022251 GLOBAL MACHINERY INTL.	193.23	193.23
12/16/16	29408	HERUM \ CRABTREE \	2020SC 2020SC 2020SC 1020SC	Invoice: 82958 Invoice: 82957 Invoice: 82959 HERUM \ CRABTREE \ SUNTAG	198.90 663.00 1,870.68	2,732.58
12/16/16	29409	M-FILES INC	2020SC 1020SC	Invoice: 135966 M-FILES INC	3,287.26	3,287.26
12/16/16	29410	PISANIS AUTO PARTS	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 732899 Invoice: 732870 Invoice: 733291 Invoice: 733441 Invoice: 733592 Invoice: 734263 Invoice: 735083 Invoice: 735073 PISANIS AUTO PARTS	14.94 82.23 35.86 18.73 66.69 2.78 19.29	156.95 83.57
12/16/16	29411	PUTAH CREEK TROUT	2020SC 1020SC	Invoice: 11.21.2016 PUTAH CREEK TROUT	1,254.58	1,254.58
12/16/16	29412	SOLANO IRRIGATION	2020SC 2020SC 1020SC	Invoice: 0004992 Invoice: 0004991 SOLANO IRRIGATION DISTRICT	172.34 11,153.82	11,326.16
12/16/16	29413	TRACTOR SUPPLY CR	2020SC 1020SC	Invoice: 235004 TRACTOR SUPPLY CREDIT PLAN	45.36	45.36
12/16/16	29414	VERIZON WIRELESS	2020SC 1020SC	Invoice: 9776066962 VERIZON WIRELESS	2,420.09	2,420.09
12/16/16	29415	WILDLIFE SURVEY & P	2020SC 2020SC 1020SC	Invoice: LPCCC-FY2016-17_4 Invoice: LPCCC-FY2016-17_3 WILDLIFE SURVEY & PHOTO SERVICES	3,152.16 4,344.48	7,496.64
12/16/16	29416	YOLO-SOLANO AQMD	2020SC 1020SC	Invoice: 1759 YOLO-SOLANO AQMD	594.00	594.00
12/16/16	29417	MBK ENGINEERS	2020WC 1020SC	Invoice: 16-10-2-3868 MBK ENGINEERS	1,031.25	1,031.25

SOLANO COUNTY WATER AGENCY

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12/16/16	EFT	PAYCHEX, INC.	6040AC 6111AC 1020SC	EMPLOYEE HANDBOOK ADMIN FSA PARTICIPATION FEE PAYCHEX, INC.	70.12 106.75	176.87
12/17/16	EFT	PAYROLL TAXES	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 12.17.16 EMPLOYER LIABILITIES PPE 12.17.16 PAYROLL TAXES	11,395.69 1,625.90	13,021.59
12/22/16	29426	ACWA JOINT POWERS	2020SC 1020SC	Invoice: 0452007 ACWA JOINT POWERS INSURANCE AUTHORITY	1,463.13	1,463.13
12/22/16	29427	AGRICHEM SERVICES,	2020G 2020U 1020SC	Invoice: 16018 Invoice: 16017 AGRICHEM SERVICES, INC.	5,250.00 27,300.00	32,550.00
12/22/16	29428	BLANKINSHIP & ASSO	2020SC 2020SC 2020SC 1020SC	Invoice: BA4730 Invoice: BA4731 Invoice: BA4732 BLANKINSHIP & ASSOCIATES, INC.	1,416.65 750.00 1,233.35	3,400.00
12/22/16	29429	HAUGHN & SON TIRE	2020SC 2020SC 2020SC 1020SC	Invoice: 382510 Invoice: 382270 Invoice: 382639 HAUGHN & SON TIRE	320.00 161.14 1,351.86	1,833.00
12/22/16	29430	INTERSTATE OIL COM	2020SC 1020SC	Invoice: CL39139 INTERSTATE OIL COMPANY	521.03	521.03
12/22/16	29431	INTEGRATED ENVIRO	2020SC 2020SC 1020SC	Invoice: 72811 Invoice: 72817 INTEGRATED ENVIRONMENTAL RESTORATION	968.75 8,826.25	9,795.00
12/22/16	29432	M&M SANITARY LLC	2020SC 1020SC	Invoice: 496011 M&M SANITARY LLC	176.00	176.00
12/22/16	29433	SOLANO IRRIGATION	2020SC 1020SC	Invoice: 0004986 SOLANO IRRIGATION DISTRICT	265,404.04	265,404.04
12/22/16	29433a	VOID	1020SC	VOID		
12/22/16	29434	STREAMWISE	2020SC 1020SC	Invoice: LPCCC PROP 1-2016-01 STREAMWISE	6,928.02	6,928.02
12/22/16	29435	VALLEY HYDRAULICS	2020SC 2020SC 1020SC	Invoice: 129188 Invoice: 129213 VALLEY HYDRAULICS	328.96 122.72	451.68
12/22/16	29437	ACCONTEMPS	2020SC 1020SC	Invoice: 47322732 ACCONTEMPS	352.59	352.59
12/22/16	29438	CALIFORNIA NATIVE	2020SC 1020SC	Invoice: CNGA MEMBERSHIP CALIFORNIA NATIVE GRASSLANDS ASSOC.	125.00	125.00
12/22/16	29439	CENTRAL VALLEY EQ	2020SC 2020SC 1020SC	Invoice: 16879 Invoice: 16923 CENTRAL VALLEY EQUIPMENT REPAIR	531.59 178.50	710.09
12/22/16	29440	ERLER & KALINOWSKI	2020SC 1020SC	Invoice: B50067.01-05 ERLER & KALINOWSKI	5,826.96	5,826.96
12/22/16	29441	GHD, INC.	2020SC 2020SC 1020SC	Invoice: 74234 Invoice: 74236 GHD, INC.	102.00 3,434.00	3,536.00

**SOLANO COUNTY WATER AGENCY
Cash Disbursements Journal**

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12/22/16	29442	INTEGRATED ENVIRO	2020SC 1020SC	Invoice: 72812 INTEGRATED ENVIRONMENTAL RESTORATION	625.00	625.00
12/22/16	29443	N&S TRACTOR	2020SC 1020SC	Invoice: EY00173 N&S TRACTOR	13,926.68	13,926.68
12/22/16	29444	NAPA COUNTY FC&W	2020N 1020SC	Invoice: PASS THRU #14 NAPA COUNTY FC&WCD	25,110.00	25,110.00
12/22/16	29445	SAM'S CLUB	2020SC 2020SC 1020SC	Invoice: 004051 Invoice: 007531 SAM'S CLUB	124.23 138.74	262.97
12/22/16	29446	SOUTHWEST ENVIRO	2020SC 1020SC	Invoice: 34450 SOUTHWEST ENVIRONMENTAL	27,649.00	27,649.00
12/22/16	29447	SUISUN VALLEY FRUI	2020SC 1020SC	Invoice: 289522 SUISUN VALLEY FRUIT GROWERS AS	58.11	58.11
12/22/16	29448	SWRCB	2020SC 1020SC	Invoice: WD-0118280 SWRCB	2,062.00	2,062.00
12/22/16	29449	THE TREMONT GROUP	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 12009803 Invoice: 12009801 Invoice: 12012149 Invoice: 12012340 THE TREMONT GROUP, INC.	43.26 569.27 864.13 462.46	1,939.12
12/22/16	29450	WESTERN WEATHER G	2020SC 1020SC	Invoice: 13975 WESTERN WEATHER GROUP	1,040.00	1,040.00
12/22/16	29451	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: TODD CONDIT ICON OWNER POOL 1 SF NON-BUSINESS PARKS	612.00	612.00
12/22/16	29451V	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: TODD CONDIT ICON OWNER POOL 1 SF NON-BUSINESS PARKS	612.00	612.00
12/22/16	29452	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: TODD CONDIT ICON OWNER POOL 1 SF NON-BUSINESS PARKS	612.00	612.00
12/22/16	29453	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: PAUL OLSON ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,500.00	1,500.00
12/22/16	29454	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: DENISE TRUONO ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,303.00	1,303.00
12/22/16	29455	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: KATE KISSINGER ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,132.00	1,132.00
12/22/16	29456	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: MARIA GARCIA ICON OWNER POOL 1 SF NON-BUSINESS PARKS	738.00	738.00
12/22/16	29457	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: PAULA SCHNESE ICON OWNER POOL 1 SF NON-BUSINESS PARKS	924.00	924.00
12/22/16	29458	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: KEN POWELL ICON OWNER POOL 1 SF NON-BUSINESS PARKS	1,000.00	1,000.00

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

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Date	Check #	Name	Account	Line Description	Debit Amount	Credit Amount
12/22/16	29459	ICON OWNER POOL 1 S	2020SC 1020SC	Invoice: ALFREDO BRONCO ICON OWNER POOL 1 SF NON-BUSINESS PARKS	498.00	498.00
12/22/16	29460	ICON OWNER POOL 1 S	2020SC 2020SC 1020SC	Invoice: ICON OWNER POOL Invoice: ICON OWNER POOL 1 ICON OWNER POOL 1 SF NON-BUSINESS PARKS	3,200.00 5,000.00	8,200.00
12/23/16	EFT	PAYROLL TAXES	6012AC 1020SC	BOD - PAYROLL PROCESSING TAXES ONLY PAYROLL TAXES	1,193.03	1,193.03
12/23/16	EFT	PAYCHEX, INC.	2020SC 1020SC	Invoice: 2016122101 PAYCHEX, INC.	193.05	193.05
12/23/16	EFT	PAYCHEX, INC.	2020SC 1020SC	Invoice: 2016122102 PAYCHEX, INC.	136.95	136.95
12/23/16	EFT	CALPERS	2020SC 1020SC	Invoice: SIP 12.17.16 CALPERS	3,491.78	3,491.78
12/23/16	EFT	CALPERS	2020SC 1020SC	Invoice: PPE 12.17.16 CALPERS	7,898.32	7,898.32
12/23/16	EFT	CALPERS	2020SC 1020SC	Invoice: PEPPA PPE 12.17.16 CALPERS	910.10	910.10
12/25/16	BARICH	BANK OF THE WEST	6300AC 6310AC 1020SC	LINXUP MOTOSFTY - INSTANT VEHICLE TRACKING CHEVRON BANK OF THE WEST	91.96 31.17	123.13
12/25/16	CUETA	BANK OF THE WEST	6144AC 6144AC 6310AC 1020SC	CAMPBELL SCIENTIFIC - ETHERNET INTERFACE & COMPACT FLASH MODULE LOWES - SUPPLIES CHEVRON - FUEL BANK OF THE WEST	342.20 22.04 72.38	436.62
12/25/16	FLORE	BANK OF THE WEST	6551AC 6551AC 6551AC 1020SC	CITY OF SAC PARKING AD SPECIAL T'S - VEST PLANETHOSTING.COM- BANK OF THE WEST	6.00 69.03 100.00	175.03
12/25/16	FOWLE	BANK OF THE WEST	6181SC 6230SC 1020SC	WALMART- COBLEDOBLKT WALMART- FOOD STORAGE BANK OF THE WEST	20.43 16.12	36.55
12/25/16	LEE NO	BANK OF THE WEST	6112AC 6410AC 1020SC	DOMAIN NAME REGISTRATION ADOBE SYSTEMS INC BANK OF THE WEST	49.95 49.99	99.94
12/25/16	SANFO	BANK OF THE WEST	6330AC 6181SC 6330AC 6330AC 1020SC	UCD PARKING FAST TRACK CITY OF SAC PARKING UCD PARKING BANK OF THE WEST	9.00 803.80 7.50 9.00	829.30
12/25/16	SNYDE	BANK OF THE WEST	6042AC 6310AC 1020SC	OPTICSPLANER INC - EDGE EYEWEAR DAKURA SAFETY GLASSES CHEVRON BANK OF THE WEST	196.63 65.72	262.35
12/25/16	WILLIN	BANK OF THE WEST	6040AC 6330AC	NAPOLI PIZZERIA - MEETING PACIFIC PLAZA - PARKING CALPERS	90.03 8.00	

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2016 to Dec 31, 2016

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Date	Check #	Name	Account	Line Description	Debit Amoun	Credit Amou
			6040AC	PURE GRAIN BAKERY - MEETING	43.50	
			6040AC	NAPOLI PIZZERIA - MEETING	89.97	
			6040AC	BIG ITALIAN PIZZERIA - WORKSHOP	280.06	
			6040AC	BIG ITALIAN PIZZERIA - WORKSHOP	64.09	
			1020SC	BANK OF THE WEST		575.65
12/27/16	EFT	PACIFIC GAS & ELECT	2020SC	Invoice: 11/09/16 - 12/08/16	1,016.25	
			1020SC	PACIFIC GAS & ELECTRIC CO,		1,016.25
		Total			<u>987,432.38</u>	<u>987,432.38</u>

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: Financial Report Approval

RECOMMENDATIONS:

Approve the quarterly Income Statement and Balance Sheet for the period ending December 31, 2017.


FINANCIAL IMPACT:

All revenues and expenditures are reported within previously approved budget amounts.

BACKGROUND:

The Water Agency auditor has recommended that the Board of Directors receive quarterly financial reports. Attached are the Income Statement and the Balance Sheet of the Water Agency for the period ending December 31, 2017. Additional backup information is available upon request.

Recommended: _____


Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

☐

Continued on
next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

SOLANO COUNTY WATER AGENCY

Balance Sheet
December 31, 2016

ASSETS

Current Assets

1000SC	PERSHING	\$	50,966.34	
1010WC	MONEY MGMT - WATERMASTER		(2,944.64)	
1020G	CHECKING - GREEN V		293,097.19	
1020N	CHECKING - SWP		1,771,042.10	
1020SC	CHECKING - SP/ADMIN		(1,641,369.54)	
1020U	CHECKING - ULATIS		483,970.14	
1030N	LAIF - SWP		2,580,522.85	
1030SC	LAIF - SP/ADMIN		3,968,555.64	
1030U	LAIF - ULATIS		1,062,568.23	
1040N	CAMP - SWP		8,397,827.70	
1040SC	CAMP - SP/ADMIN		10,000,797.34	
1040U	CAMP - ULATIS		3,257,377.84	
1050N	CERTIFICATES OF DEPOSIT - SWP		1,366,063.18	
1050SC	CERTIFICATES OF DEPOSIT		3,055,126.26	
1050U	CERTIFICATES OF DEPOSIT - ULAT		567,493.11	
1210N	ACCOUNTS RECEIVABLE-SWP		447,215.60	
1210SC	ACCOUNTS RECEIVABLE - SP/ADMI		969,369.67	
1225AC	RETENTION RECEIVABLE		76,162.31	
1400AC	PREPAID		50,103.20	
1415AC	INVENTORY-WATER CONSERVATIO		22,373.77	
Total Current Assets				36,776,318.29

Property and Equipment

Total Property and Equipment	0.00
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Other Assets

1300SC	NOTE RECEIVABLE	373,138.43	
1910SC	GREEN VALLEY LOAN	200,000.00	
Total Other Assets			573,138.43
Total Assets			\$ 37,349,456.72

LIABILITIES AND CAPITAL

Current Liabilities

2010N	UNEARNED INCOME-SWP	\$	430,500.00	
2010SC	UNEARNED INCOME-SP/ADMIN		20,780.00	
2020N	ACCOUNTS PAYABLE-SWP		102,315.61	
2020SC	ACCOUNTS PAYABLE-SP/ADMIN		26,129.32	
2020U	ACCOUNTS PAYABLE-ULATIS		(2,329.75)	
2020WC	ACCOUNTS PAYABLE-WM		718.75	
2023AC	EMPLOYEE BENEFITS PAYABLE		4,222.97	
2024AC	PAYROLL TAXES PAYABLE		10,728.08	
2025SC	SALES TAX PAYABLE		6,723.02	
2100SC	BENICIA PREFUNDED LAWN REBAT		37,541.50	
2110SC	WESTSIDE IRWMP PREFUNDED AD		152,115.79	
Total Current Liabilities				789,445.29

Long-Term Liabilities

2310G	SOLANO PROJECT LOAN	200,000.00	
2330SC	DEFERRED OUTFLOW OF CASH	373,138.25	

Unaudited - For Management Purposes Only

SOLANO COUNTY WATER AGENCY
Balance Sheet
December 31, 2016

Total Long-Term Liabilities		573,138.25
Total Liabilities		1,362,583.54
Capital		
3150SC	OTHER FLD CTRL CAPITAL PROJ.	200,000.00
3155SC	OTHER CAPITAL PROJ/EMERG RESE	1,000,000.00
3200N	SWP OPERATING RESERVE	7,304,430.00
3200SC	DESIGNATED REHAB & BETTERME	2,000,000.00
3200U	ULATIS OPERATING RESERVE	483,970.14
3250G	GV OPERATING RESERVE	70,292.30
3250N	DESIGNATED SWP FACILITIES RESE	6,851,628.19
3250SC	SP FUTURE REPLACEMENT CAPITA	14,011,825.61
3250U	ULATIS OPERATING RESERVE	348,259.00
3255U	ULATIS FCP CAPITAL RESERVE	4,427,181.14
3350SC	DESIGNATED OPERATING RESERVE	4,454,435.00
39005	Retained Earnings	125,702.55
	Net Income	(5,290,850.75)
Total Capital		35,986,873.18
Total Liabilities & Capital		\$ 37,349,456.72

SOLANO COUNTY WATER AGENCY
Year to Date Income Statement
Compared with Budget and Last Year
For the Six Months Ending December 31, 2016

	Current Year Actual	Current Year Budget	Variance Amount	Variance Percent	Last Year Actual	Change from Last Year	Percent Change
Revenues							
SECURED	\$ 34,730.57	\$ 70,700.00	(35,969.43)	(50.88)	\$ 32,958.06	1,772.51	5.38
SECURED	5,930,713.41	11,232,000.00	(5,301,286.59)	(47.20)	5,331,759.20	598,954.21	11.23
SECURED	3,315,599.00	6,760,000.00	(3,444,401.00)	(50.95)	3,117,300.34	198,298.66	6.36
SECURED	434,988.87	848,000.00	(413,011.13)	(48.70)	401,961.58	33,027.29	8.22
UNSECURED	5,185.22	5,900.00	(714.78)	(12.11)	4,939.55	245.67	4.97
UNSECURED	319,359.04	355,000.00	(35,640.96)	(10.04)	315,518.76	3,840.28	1.22
UNSECURED	373,469.75	395,000.00	(21,530.25)	(5.45)	375,756.48	(2,286.73)	(0.61)
UNSECURED	51,456.32	60,000.00	(8,543.68)	(14.24)	51,817.63	(361.31)	(0.70)
PRIOR UNSECURED	0.00	1,700.00	(1,700.00)	(100.00)	0.00	0.00	0.00
CURRENT SUPPLEMENTAL	(117.40)	0.00	(117.40)	0.00	(54.59)	(62.81)	115.06
CURRENT SUPPLEMENTAL	130,048.48	178,000.00	(47,951.52)	(26.94)	85,555.97	44,492.51	52.00
CURRENT SUPPLEMENTAL	97,877.86	109,000.00	(11,122.14)	(10.20)	60,237.47	37,640.39	62.49
CURRENT SUPPLEMENTAL	14,871.92	18,000.00	(3,128.08)	(17.38)	8,276.21	6,595.71	79.69
WATER SALES	430,500.00	1,560,101.00	(1,129,601.00)	(72.41)	430,500.00	0.00	0.00
WATER SALES	15,774.00	65,000.00	(49,226.00)	(75.73)	0.00	15,774.00	0.00
COST OF POWER TO PUMP NBA	0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00
CONVEYANCE SETTLEMENT	0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
NAPA MAKE WHOLE	156,000.00	312,000.00	(156,000.00)	(50.00)	156,000.00	0.00	0.00
SWP ADJUSTMENTS	249,630.00	400,000.00	(150,370.00)	(37.59)	182,858.00	66,772.00	36.52
PROP 84 INTAKE GRANT	62,100.00	140,525.00	(78,425.00)	(55.81)	0.00	62,100.00	0.00
EQUIPMENT DISTRIBUTION REIMBU	9,407.00	100,000.00	(90,593.00)	(90.59)	30,024.00	(20,617.00)	(68.67)
INTEREST - MONEY MGMT	1.18	5.00	(3.82)	(76.40)	1.47	(0.29)	(19.73)
INTEREST - CHECKING	65.69	450.00	(384.31)	(85.40)	156.12	(90.43)	(57.92)
INTEREST - LAIF - SWP	6,902.74	7,400.00	(497.26)	(6.72)	1,706.16	5,196.58	304.58
INTEREST - LAIF - SP	12,235.69	15,200.00	(2,964.31)	(19.50)	3,534.19	8,701.50	246.21
INTEREST - LAIF - ULATIS	2,735.20	2,200.00	535.20	24.33	853.08	1,882.12	220.63
INTEREST - CAMP - SWP	11,450.56	6,500.00	4,950.56	76.16	4,439.02	7,011.54	157.95
INTEREST - CAMP - SP	14,264.16	13,500.00	764.16	5.66	9,195.13	5,069.03	55.13
INTEREST - CAMP - ULATIS	4,503.62	700.00	3,803.62	543.37	2,219.50	2,284.12	102.91
INTEREST - OTHER	0.00	14,926.00	(14,926.00)	(100.00)	0.00	0.00	0.00
INTEREST - INVESTMENTS	4,119.86	3,500.00	619.86	17.71	0.00	4,119.86	0.00
INTEREST - INVESTMENTS	6,102.97	14,500.00	(8,397.03)	(57.91)	0.00	6,102.97	0.00
INTEREST - INVESTMENTS	1,586.41	3,500.00	(1,913.59)	(54.67)	0.00	1,586.41	0.00
HOMEOWNER RELIEF	177.00	1,200.00	(1,023.00)	(85.25)	174.90	2.10	1.20
HOMEOWNER RELIEF	12,106.50	49,500.00	(37,393.50)	(75.54)	12,098.10	8.40	0.07
HOMEOWNER RELIEF	10,910.25	82,500.00	(71,589.75)	(86.78)	10,902.30	7.95	0.07
HOMEOWNER RELIEF	1,614.30	10,400.00	(8,785.70)	(84.48)	1,601.25	13.05	0.81
REDEVELOPMENT - DIX/RV	2,556.89	38,000.00	(35,443.11)	(93.27)	0.00	2,556.89	0.00
REDEVELOP - VACAVILLE	4,217.82	449,000.00	(444,782.18)	(99.06)	0.00	4,217.82	0.00
REDEVELOP - VACAVILLE	2,417.24	258,167.00	(255,749.76)	(99.06)	0.00	2,417.24	0.00

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REDEVELOP - FAIRFIELD	1,544.22	46,834.00	(45,289.78)	(96.70)	1,785.29	(241.07)	(13.50)
REDEVELOP - FAIRFIELD	8,229.78	604,000.00	(595,770.22)	(98.64)	9,750.61	(1,520.83)	(15.60)
REDEVELOP - SUISUN CITY	0.00	204,500.00	(204,500.00)	(100.00)	0.00	0.00	0.00
REDEVELOP - N. TEXAS	0.00	15,500.00	(15,500.00)	(100.00)	0.00	0.00	0.00
BOATING AND WATERWAYS	41,246.78	155,000.00	(113,753.22)	(73.39)	0.00	41,246.78	0.00
SOLANO CO OIL REIMBURSEMENT	0.00	24,000.00	(24,000.00)	(100.00)	0.00	0.00	0.00
MISC INCOME	8,620.36	0.00	8,620.36	0.00	0.00	8,620.36	0.00
MISCELLANEOUS INCOME	25,861.10	87,870.00	(62,008.90)	(70.57)	0.00	25,861.10	0.00
GREENHOUSE REVENUES	4,713.61	20,000.00	(15,286.39)	(76.43)	879.60	3,834.01	435.88
O&M - OTHER AGENCIES	0.00	5,000.00	(5,000.00)	(100.00)	0.00	0.00	0.00
OVERHEAD DISTRIBUTION REIMB	1,036,191.89	2,580,014.00	(1,543,822.11)	(59.84)	1,090,411.59	(54,219.70)	(4.97)
WATERMASTER INCOME	65.00	4,600.00	(4,535.00)	(98.59)	69.88	(4.88)	(6.98)
WATER CONSERVATION REIMBURSI	0.00	186,000.00	(186,000.00)	(100.00)	0.00	0.00	0.00
BAY AREA IRWMP GRANT	(6,202.31)	643,000.00	(649,202.31)	(100.96)	0.00	(6,202.31)	0.00
WESTSIDE IRWMP GRANT	30,649.80	140,213.00	(109,563.20)	(78.14)	0.00	30,649.80	0.00
LPCCC SERVICES	0.00	570,000.00	(570,000.00)	(100.00)	0.00	0.00	0.00
LPCCC - RIVER PARKWAY V	0.00	600,000.00	(600,000.00)	(100.00)	0.00	0.00	0.00
LPCCC-PROP I	0.00	300,000.00	(300,000.00)	(100.00)	0.00	0.00	0.00
LPCCC-COASTAL CONSERVANCY	0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00
LPCCC-IRWM	0.00	150,000.00	(150,000.00)	(100.00)	0.00	0.00	0.00
Total Revenues	12,880,482.35	30,118,605.00	(17,238,122.65)	(57.23)	11,735,186.85	1,145,295.50	9.76
Cost of Sales							
Total Cost of Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Profit	12,880,482.35	30,118,605.00	(17,238,122.65)	(57.23)	11,735,186.85	1,145,295.50	9.76
Expenses							
CAPITAL EXPENDITURES	29,585.30	80,550.00	(50,964.70)	(63.27)	8,927.74	20,657.56	231.39
CAPITAL EXPENDITURES	3,464,485.59	3,525,000.00	(60,514.41)	(1.72)	12,128.96	3,452,356.63	28,463.75
CAPITAL EXPENDITURES	3,579,497.51	4,130,000.00	(550,502.49)	(13.33)	179,618.46	3,399,879.05	1,892.83
CAPITAL EXPENDITURES	0.00	300,000.00	(300,000.00)	(100.00)	180,445.83	(180,445.83)	(100.00)
GROSS SALARIES	916,869.63	2,085,000.00	(1,168,130.37)	(56.03)	814,355.46	102,514.17	12.59
PERS RETIREMENT	147,420.32	292,000.00	(144,579.68)	(49.51)	136,541.63	10,878.69	7.97
PAYROLL TAXES	44,316.12	97,000.00	(52,683.88)	(54.31)	44,250.59	65.53	0.15
EMPLOYEE BENEFITS	98,613.17	951,400.00	(852,786.83)	(89.63)	95,629.33	2,983.84	3.12
TELEPHONE	10,736.81	22,300.00	(11,563.19)	(51.85)	8,982.53	1,754.28	19.53

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OFFICE EXPENSE	13,662.02	24,400.00	(10,737.98)	(44.01)	12,670.51	991.51	7.83
OFFICE EQUIPMENT	(114.03)	28,750.00	(28,864.03)	(100.40)	14,079.12	(14,193.15)	(100.81)
SAFETY TRAINING & EQUIPMENT	3,486.55	6,500.00	(3,013.45)	(46.36)	1,547.33	1,939.22	125.33
OFFICE HELP - TEMPORARY	2,017.82	10,000.00	(7,982.18)	(79.82)	4,671.52	(2,653.70)	(56.81)
POSTAGE	1,977.28	5,900.00	(3,922.72)	(66.49)	2,701.02	(723.74)	(26.80)
SID OFFICE EXPENSE	16,871.08	47,300.00	(30,428.92)	(64.33)	18,813.23	(1,942.15)	(10.32)
MEMBERSHIPS	31,186.33	41,650.00	(10,463.67)	(25.12)	7,855.67	23,330.66	296.99
SWC DUES	111,816.00	118,800.00	(6,984.00)	(5.88)	16,200.00	95,616.00	590.22
PPTY TAX ADMIN FEE	0.00	1,000.00	(1,000.00)	(100.00)	0.00	0.00	0.00
PPTY TAX ADMIN FEE	0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
PPTY TAX ADMIN FEE	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
PETERSEN RANCH EXPENSES	31,976.02	0.00	31,976.02	0.00	0.00	31,976.02	0.00
PETERSEN RANCH EXPENSES	33,576.99	0.00	33,576.99	0.00	0.00	33,576.99	0.00
PS - PAYROLL SERVICES	3,404.00	7,100.00	(3,696.00)	(52.06)	3,248.38	155.62	4.79
PS - COMPUTER SERVICES	190,489.46	379,940.00	(189,450.54)	(49.86)	140,151.81	50,337.65	35.92
TALENT DECISION MONITORING	39,512.00	12,775.00	26,737.00	209.29	36,303.66	3,208.34	8.84
GOVERNMENTAL ADVOCACY	51,908.80	80,000.00	(28,091.20)	(35.11)	33,476.85	18,431.95	55.06
LPCCC - VEGETATION	34,506.66	13,852.00	20,654.66	149.11	2,206.75	32,299.91	1,463.69
CONSULTANTS	134,092.07	336,213.00	(202,120.93)	(60.12)	42,411.95	91,680.12	216.17
CONSULTANTS	0.00	2,000.00	(2,000.00)	(100.00)	0.00	0.00	0.00
CONSULTANTS	313,056.86	949,550.00	(636,493.14)	(67.03)	191,973.17	121,083.69	63.07
CONSULTANTS	50,265.81	884,961.00	(834,695.19)	(94.32)	15,968.19	34,297.62	214.79
CONSULTANTS	0.00	10,000.00	(10,000.00)	(100.00)	0.00	0.00	0.00
HYDROLOGY STATIONS	5,663.55	19,000.00	(13,336.45)	(70.19)	18,147.10	(12,483.55)	(68.79)
HYDROLOGY STATIONS	3,736.87	18,500.00	(14,763.13)	(79.80)	4,683.27	(946.40)	(20.21)
HYDROLOGY STATIONS	28,917.95	80,000.00	(51,082.05)	(63.85)	11,413.80	17,504.15	153.36
HYDROLOGY STATIONS	430.41	2,000.00	(1,569.59)	(78.48)	0.00	430.41	0.00
LPCCC - WILDLIFE	49,021.83	76,183.00	(27,161.17)	(35.65)	20,882.85	28,138.98	134.75
LPCCC - FISHERIES	35,741.08	76,183.00	(40,441.92)	(53.09)	28,586.92	7,154.16	25.03
WATERSHED PROGRAM	17,075.47	213,220.00	(196,144.53)	(91.99)	85,749.55	(68,674.08)	(80.09)
SOLANO PROJECT MONITORING	2,503.00	10,000.00	(7,497.00)	(74.97)	3,881.67	(1,378.67)	(35.52)
SOLANO PROJECT INVASIVES	54,574.15	204,371.00	(149,796.85)	(73.30)	49,294.54	5,279.61	10.71
UPPER PUTAH CREEK MGMT	34,724.71	120,500.00	(85,775.29)	(71.18)	2,274.17	32,450.54	1,426.92
INTER-DAM REACH MANAGEMENT	7,237.97	25,000.00	(17,762.03)	(71.05)	0.00	7,237.97	0.00
MBK	3,675.25	35,000.00	(31,324.75)	(89.50)	10,125.75	(6,450.50)	(63.70)
LPCCC SERVICES	2,554.63	1,070,000.00	(1,067,445.37)	(99.76)	24,522.24	(21,967.61)	(89.58)
LPCCC EQUIPMENT	35,340.28	50,000.00	(14,659.72)	(29.32)	7,735.02	27,605.26	356.89
LPCCC NURSERY	21,416.73	30,000.00	(8,583.27)	(28.61)	19,799.34	1,617.39	8.17
LPCCC PLEASANTS CREEK	0.00	0.00	0.00	0.00	(4,336.77)	4,336.77	(100.00)
LPCCC PRIORITY PROJECTS	0.00	0.00	0.00	0.00	31,839.44	(31,839.44)	(100.00)
LPCCC-PROP 1	15,250.32	300,000.00	(284,749.68)	(94.92)	0.00	15,250.32	0.00

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LPCCC-CA RIVER PRKWAY V	40,239.12	600,000.00	(559,760.88)	(93.29)	92,510.18	(52,271.06)	(56.50)
LPCCC-COASTAL CONSERVANCY	0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00
LPCCC-IRWM	8,270.89	150,000.00	(141,729.11)	(94.49)	0.00	8,270.89	0.00
LPCCC MISC. SUPPLIES	7,120.31	22,000.00	(14,879.69)	(67.63)	10,319.49	(3,199.18)	(31.00)
BOARD EXPENSES	10,403.65	31,000.00	(20,596.35)	(66.44)	14,255.74	(3,852.09)	(27.02)
FIELD SUPPLIES	29,335.71	45,000.00	(15,664.29)	(34.81)	4,759.60	24,576.11	516.35
MISC WTRMASTER EXP	40.00	0.00	40.00	0.00	100.00	(60.00)	(60.00)
HCP PLANNING	182,098.73	3,445,000.00	(3,262,901.27)	(94.71)	85,402.89	96,695.84	113.22
CAR MAINTENANCE	5,451.52	13,500.00	(8,048.48)	(59.62)	3,332.47	2,119.05	63.59
FUEL	8,805.42	20,500.00	(11,694.58)	(57.05)	8,374.36	431.06	5.15
GARAGE SERVICES	6,232.32	8,000.00	(1,767.68)	(22.10)	6,086.21	146.11	2.40
TRAVEL	3,077.84	7,000.00	(3,922.16)	(56.03)	2,528.18	549.66	21.74
EMPLOYEE REIMBURSEMENTS	7,692.89	15,000.00	(7,307.11)	(48.71)	9,276.52	(1,583.63)	(17.07)
INSURANCE	27,915.00	54,000.00	(26,085.00)	(48.31)	26,249.77	1,665.23	6.34
EDUCATION & TRAINING	3,980.19	20,000.00	(16,019.81)	(80.10)	9,293.56	(5,313.37)	(57.17)
COMP SOFTWARE/EQUIP	23,784.21	101,763.00	(77,978.79)	(76.63)	52,083.89	(28,299.68)	(54.33)
WATER CONSERVATION	490,600.73	1,399,250.00	(908,649.27)	(64.94)	869,519.99	(378,919.26)	(43.58)
WATER CONSERVATION	0.00	480,250.00	(480,250.00)	(100.00)	0.00	0.00	0.00
MELLON LEVEE	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
PSC MAINTENANCE	249,938.12	958,000.00	(708,061.88)	(73.91)	353,418.40	(103,480.28)	(29.28)
FLOOD CONTROL	12,702.45	636,500.00	(623,797.55)	(98.00)	43,899.47	(31,197.02)	(71.06)
GROUND WATER MONITORING	501.08	99,492.00	(98,990.92)	(99.50)	854.97	(353.89)	(41.39)
PUBLIC EDUCATION	4,601.59	75,000.00	(70,398.41)	(93.86)	1,171.45	3,430.14	292.81
LABOR	0.00	33,000.00	(33,000.00)	(100.00)	0.00	0.00	0.00
LABOR	0.00	250,000.00	(250,000.00)	(100.00)	110,759.59	(110,759.59)	(100.00)
SP ADMINISTRATION	421,834.96	1,175,000.00	(753,165.04)	(64.10)	358,780.55	63,054.41	17.57
PSC OPERATIONS	54,342.88	278,000.00	(223,657.12)	(80.45)	86,837.02	(32,494.14)	(37.42)
DAM MAINTENANCE	3,957.92	64,000.00	(60,042.08)	(93.82)	4,685.29	(727.37)	(15.52)
DAM OPERATIONS	87,261.36	273,000.00	(185,738.64)	(68.04)	84,959.90	2,301.46	2.71
WEED CONTROL	5,250.00	4,000.00	1,250.00	31.25	3,264.00	1,986.00	60.85
SP PEST MANAGEMENT	59,517.67	70,000.00	(10,482.33)	(14.97)	57,641.06	1,876.61	3.26
EQUIP - TRANS DEPT	0.00	8,000.00	(8,000.00)	(100.00)	0.00	0.00	0.00
EQUIP - TRANS DEPT	0.00	60,000.00	(60,000.00)	(100.00)	26,246.13	(26,246.13)	(100.00)
SUPPLIES	247.14	1,500.00	(1,252.86)	(83.52)	64.71	182.43	281.92
SUPPLIES	4,999.30	24,000.00	(19,000.70)	(79.17)	9,560.46	(4,561.16)	(47.71)
CONTRACT WORK	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
CONTRACT WORK	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
TRANS DEPT OVERHEAD	0.00	10,000.00	(10,000.00)	(100.00)	0.00	0.00	0.00
TRANS DEPT OVERHEAD	0.00	90,000.00	(90,000.00)	(100.00)	35,443.10	(35,443.10)	(100.00)
REHAB & BETTERMENT	0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
REHAB & BETTERMENT	8,469.78	1,000,000.00	(991,530.22)	(99.15)	1,903,740.54	(1,895,270.76)	(99.56)

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REHAB & BETTERMENT	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
WATER PURCHASES	5,680,985.00	11,279,025.00	(5,598,040.00)	(49.63)	2,035,561.00	3,645,424.00	179.09
USBR ADMINISTRATION	0.00	75,000.00	(75,000.00)	(100.00)	0.00	0.00	0.00
WATER RIGHTS FEE	68,588.56	82,500.00	(13,911.44)	(16.86)	65,494.70	3,093.86	4.72
NAPA MAKE WHOLE	0.00	312,000.00	(312,000.00)	(100.00)	0.00	0.00	0.00
LABOR COSTS	147,898.96	223,578.00	(75,679.04)	(33.85)	174,156.94	(26,257.98)	(15.08)
LABOR COSTS	63.32	2,000.00	(1,936.68)	(96.83)	920.20	(856.88)	(93.12)
LABOR COSTS	83,712.77	224,832.00	(141,119.23)	(62.77)	44,700.37	39,012.40	87.28
LABOR COSTS	321,225.78	798,322.00	(477,096.22)	(59.76)	399,475.07	(78,249.29)	(19.59)
LABOR COSTS	9,874.56	16,400.00	(6,525.44)	(39.79)	8,780.78	1,093.78	12.46
INTRA-FUND TRANSFER	(315,729.16)	(514,229.00)	198,499.84	(38.60)	(375,053.49)	59,324.33	(15.82)
OVERHEAD EXPENSES	167,830.20	290,651.00	(122,820.80)	(42.26)	200,896.55	(33,066.35)	(16.46)
OVERHEAD EXPENSES	95.30	2,600.00	(2,504.70)	(96.33)	1,121.32	(1,026.02)	(91.50)
OVERHEAD EXPENSES	103,647.47	292,282.00	(188,634.53)	(64.54)	54,315.70	49,331.77	90.82
OVERHEAD EXPENSES	449,504.86	1,222,259.00	(772,754.14)	(63.22)	519,177.84	(69,672.98)	(13.42)
OVERHEAD EXPENSES	11,882.33	21,320.00	(9,437.67)	(44.27)	10,542.76	1,339.57	12.71
CONTINGENCY	0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
CONTINGENCY	0.00	1,000.00	(1,000.00)	(100.00)	0.00	0.00	0.00
CONTINGENCY	0.00	10,000.00	(10,000.00)	(100.00)	0.00	0.00	0.00
CONTINGENCY	0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
CONTINGENCY	0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
Total Expenses	18,171,333.10	43,140,193.00	(24,968,859.90)	(57.88)	9,755,267.81	8,416,065.29	86.27
Net Income	(\$ 5,290,850.75)	(\$ 13,021,588.00)	7,730,737.25	(59.37)	\$ 1,979,919.04	(7,270,769.79)	(367.23)

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: Flood Control Advisory Committee Re-Appointments

RECOMMENDATION:

Reappoint public members Paul Lum and Charles Karnopp to two-year terms on the Flood Control Advisory Committee.

FINANCIAL IMPACT:

None.

BACKGROUND:

The Flood Control Advisory Committee (FCAC) was formed in October 1998 to advise SCWA staff and the SCWA Board on flood management issues pertaining to Solano County. The Committee consists of 11 members; two representatives appointed by the Solano County Water Agency Advisory Commission, three representatives of the Resource Conservation Districts, and six public members appointed by the Board of Directors of the Solano County Water Agency. Each public member is appointed to a two-year term, with the terms staggered so there is no complete turnover of public members in any given year. A current listing of the FCAC membership is presented below. Both Paul Lum and Charles Karnopp have expressed their desire to continue serving on the FCAC.

Recommended: _____

Roland Sanford, General Manager

☒

Continued on Next Page

☐

Approved as
recommended

☐

Other
(see below)

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

SOLANO COUNTY WATER AGENCY FLOOD CONTROL ADVISORY COMMITTEE			
PUBLIC MEMBERSHIP TERMS:			
NAME	REGION	FIRST APPOINTED	CURRENT TERM ENDS
Campbell, Ron	English Hills	Mar. 2006	Dec. 31, 2017
Connolly, Terry	Suisun Marsh	Feb. 2014	Dec. 31, 2017
Karnopp, Charles	Wolfskill	Feb. 2005	Dec. 31, 2016
**Koehne, Ron	Upper McCune	Jan. 2010	Dec. 31, 2017
Lum, Paul	Allendale	Feb. 2003	Dec. 31, 2016
Peters, Laura	Horse Creek / Leisure Town	Sept. 2004	Dec. 31, 2017
RESOURCE CONSERVATION DISTRICTS:			
Chappell, Steve		Suisun RCD	
Holdener, Mark		Dixon RCD	
*Riddle, Terry		Solano RCD	
SCWA ADVISORY COMMISSION:			
Daniels, Jim		Solano Irrigation District	
Shawn Cunningham		City of Vacaville Dept. of Public Works	
*Chairman **Vice Chairman			

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The activities of the FCAC are consistent with Goal #3 of the 2016-2025 Strategic Plan
(*Implement SCWA's role in flood management*)

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: State Water Project Municipal Water Quality Investigations Program

RECOMMENDATION:


Authorize General Manager to execute agreements with the California Department of Water Resources and State Water Project Contractors Authority for the State Water Project Municipal Water Quality Investigations Program.

FINANCIAL IMPACT:

The agreements are for three years and will not exceed \$53,000 per calendar year, starting in 2017 and ending in 2019. There is adequate funding in the Water Agency's State Water Project budget for this cost.

BACKGROUND:

The California Department of Water Resources, as operators of the State Water Project, have a responsibility to ensure that the water they deliver meets water quality standards. The agreement is designed to determine and evaluate the sources of contaminants that affect all municipal drinking water supplies of the urban State Water Project contractors.

Recommended: 
Roland Sanford, General Manager

☒ Continued on Next Page

☐ Approved as recommended ☐ Other (see below)

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

Since this program benefits only urban State Water Project contracts, the Department of Water Resources has developed a separate billing system for urban State Water Project contractors for this program. This agreement allows them to separately bill the beneficiaries of these water quality investigations through the annual Statement of Charges for State Water Project water supply.

This agreement renews an earlier agreement between the Water Agency and the Department of Water Resources that runs from January 1, 2014 to December 31, 2016. The reason for the new agreement is to continue funding municipal water quality studies that are important to the State Water Project contractors. The agreement funds several projects of local importance to the Water Agency which include the Cache Slough Complex Pre-Restoration Baseline Monitoring project, real-time monitoring of the Sacramento River at Hood, Watershed Sanitary Survey, and others. The new agreement runs to the end of calendar year 2019.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The Water Agency's participation in the State Water Project Municipal Water Quality Investigations Program is consistent with Goal #4 of the 2016-2025 Strategic Plan (*Protect access to reliable water supplies under current and future stressors*), and more specifically, Objective C of Goal # 4 (*Monitor emerging challenges to SCWA water supply reliability and promote advocacy of SCWA interests— high priority objective*)

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



NOV 28 2016

Ms. Elaine Archibald
Archibald Consulting
1604 Potrero Way
Sacramento, California 95822

Dear Ms. Archibald:

Please route for signature the attached State of California Natural Resources Agency Department of Water Resources Municipal Water Quality Investigations Agreement between the State of California Department of Water Resources (DWR), State Water Project Contractors Authority and Participating State Water Project Contractors (Agreement). This Agreement also includes the Joint Power Authority (Authority) as a signatory.

This Agreement continues the existing Municipal Water Quality Investigations Program (Program) to provide for a comprehensive drinking water quality monitoring and forecasting program. The Authority, created in 2003, provides supplemental water quality related services to the Program through the Specific Project Committee formed by the Authority and made-up of many Authority members that are Urban State Water Project (SWP) Contractors and participants in the Program.

If the agencies you represent agree to the terms and conditions of this Agreement, please have them print and sign four copies of the signatory page. Please mail these four pages with signature to SWPAO Acting Chief, State Water Project Analysis Office, Department of Water Resources, Post Office Box 942836, Sacramento, California 94236-0001. After signature by DWR, you will receive a fully executed Agreement electronically.

If you need additional information or would like to discuss this further, please contact Geoff Shaw, Supervising Engineer, Water Contracts Branch at (916) 653-9593 or Geoffrey.Shaw@water.ca.gov and reference SWPAO # 16303.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Craig J. Trombly', with a large, sweeping flourish extending to the right. Below the signature, the text 'For LST' is handwritten in blue ink.

Craig J. Trombly, Acting Chief
State Water Project Analysis Office

Attachment

**STATE OF CALIFORNIA
NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
MUNICIPAL WATER QUALITY INVESTIGATIONS
AGREEMENT**

**BETWEEN THE STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES,
STATE WATER PROJECT CONTRACTORS AUTHORITY AND
PARTICIPATING STATE WATER PROJECT CONTRACTORS
SWPAO NO. 16303**

THIS AGREEMENT is made this _____ day of _____, 2016, pursuant to the provisions of the California Water Resources Development Bond Act, the State Central Valley Project Act, and other applicable laws of the State of California, between the State of California, acting by and through the Department of Water Resources (DWR), the State Water Project Contractors Authority (Authority) and participating urban State Water Project (SWP) contractors located in the State of California (Urban SWP Contractors).

RECITALS

WHEREAS, DWR and the Urban SWP Contractors have entered into and subsequently amended long-term water supply contracts, herein referred to as the Water Supply Contracts, providing that DWR will supply certain quantities of water to the Urban SWP Contractors and providing that the Urban SWP Contractors shall make certain payments to DWR, and setting forth the terms and conditions of such supply and such payment;

WHEREAS, DWR conducts various studies and activities to protect and improve the quality of SWP drinking water supplies;

WHEREAS, DWR's Municipal Water Quality Investigations (MWQI) Program endeavors to monitor, evaluate, report-on, and forecast water quality conditions, and identify and evaluate the sources of contaminants that affect the municipal drinking water supplies of the Urban SWP Contractors;

WHEREAS, DWR must have a source of funding to repay the costs of the MWQI Program;

WHEREAS, the Urban SWP Contractors believe the MWQI Program is necessary to provide this important water quality information in a timely way to insure the best available source water is conveyed by the SWP, to efficiently operate their drinking water treatment facilities and to plan for and design cost effective drinking water treatment facilities to meet future drinking water quality standards;

WHEREAS, DWR and the Urban SWP Contractors are endeavoring to increase the value that DWR provides to the contractors;

WHEREAS, the Authority, a public entity, is a Joint Powers Authority created in 2003 to assist DWR with improving SWP efficiency and reliability and is a signatory to this Agreement;

WHEREAS, this Agreement will allow the Authority to provide supplemental water-quality related services to the MWQI Program;

WHEREAS, the Authority has formed an MWQI Specific Project Committee (SPC) made up of many Authority members that are Urban SWP Contractors and are participants in the MWQI Program;

WHEREAS, the MWQI SPC will perform supplemental water quality-related services to the MWQI Program with the intent to offer sufficient flexibility to complete required activities;

WHEREAS, Urban SWP Contractors are willing to enter into this Agreement to pay their share of the MWQI Program costs and accordingly the Urban SWP Contractors will be included in decisions related to the budget, scope, schedule, and activities of the MWQI Program;

AGREEMENT

NOW THEREFORE, it is mutually agreed that the following terms, conditions, and procedures hereby apply to the implementation and funding of the MWQI Program:

1. **Definitions.** When used in this Agreement, the following definitions shall apply:
 - (a) **“Bond Act”** means the California Water Resources Development Bond Act, comprising Chapter 8, commencing at Section 12930, of Part 6 of Division 6 of the Water Code, as enacted in Chapter 1762 of the Statutes of 1959.
 - (b) **“Calendar Year”** means the calendar year beginning January 1 through December 31.
 - (c) **“Field Support Section” or “FSS”** means a Section of staff within the MWQI Program which routinely conducts water quality monitoring (both real-time and discrete) at sites in the Delta for municipal and industrial uses, and provides water quality data and knowledge-based data support to the Real-Time Data and Forecasting Comprehensive Program (RTDF-CP), and other programs within DWR.
 - (d) **“Municipal Water Quality Investigations Program” or “MWQI Program”** means a program to determine and evaluate the sources of contaminants in the SWP system and evaluate their impacts on municipal drinking water supplies to Urban SWP Contractors. This includes work conducted by DWR staff in the following programs; the RTDF-CP, FSS, and the program partners in the Division of Operations & Maintenance (O&M) Regulatory Compliance & Reporting Branch and the Environmental Assessment Branch, and the Bay Delta Office (BDO) Delta Modeling Section. The MWQI Program includes work done under the direction of DWR management with guidance and support from the Authority and SWP Contractors.
 - (e) **“Municipal Water Quality Program (MWQP)”** means a branch within the DWR Division of Environmental Services that manages the MWQI Program with oversight on administrative functions and work conducted by the MWQI Program.
 - (f) **“MWQI Modeling and Forecasting Program Partners”** means DWR staff in the O&M Environmental Assessment Branch which routinely conducts water quality monitoring (both real time and discrete) at SWP facilities in

the San Luis Field Division including the Gianelli Monitoring Station and DWR staff in the O&M Operations Control Office Regulatory Compliance & Reporting Branch and the BDO Delta Modeling Section who provide modeling and forecasting support through MWQI Program resource agreements.

- (g) **"MWQI SPC Account"** means an account established by the Authority to fund consultant work and supplemental water quality services not funded through the Statements of Charges.
- (h) **"MWQI SPC Charge"** means the charge to be collected by the Authority each fiscal year through invoices from the Authority to those Participating Contractors that have agreed in their MWQI Specific Project Agreement to pay a portion of the total MWQI Program costs into the MWQI SPC Account for MWQI Program work that is performed by the MWQI SPC during the Fiscal Year.
- (i) **"MWQI Specific Project Agreement"** An agreement entered into by Urban SWP Contractors to permit the MWQI SPC to perform supplemental water quality related services as identified in Appendix 1 of the MWQI Work Plan in addition to the work performed by DWR.
- (j) **"MWQI Specific Project Committee (SPC)"** consists of members of the Authority that have signed the MWQI Specific Project Agreement.
- (k) **"MWQI Statements of Charges (SOC) Charge"** means the charge, based on projected costs, to be collected each calendar year by DWR through the SOC for MWQI Program work that is performed by DWR during the Calendar Year.
- (l) **"MWQI Work Plan"** means a plan for work to be performed by DWR and the MWQI SPC during a given Calendar Year.
- (m) **"Participating Contractor"** means an Urban SWP Contractor that has executed this Agreement.
- (n) **"Project Management Plans (PMP)"** means a plan developed using the DWR accepted Project Management Body of Knowledge (PMBOK) standard for managing individual projects. PMP include documentation describing how the project will be designed, initiated, planned, executed, monitored, and closed. PMP will also include a sight safety plan and a quality assurance project plan (QAPP).
- (o) **"Real-Time Data and Forecasting Comprehensive Program (RTDF-CP)"** is a program within the MWQI Program that conducts modeling studies; produces water quality forecasts; and incorporates the FSS's and O&M's SWP drinking water quality monitoring data to create and disseminate daily, weekly, and web based reports on the sources and concentrations

of contaminants in the Delta and SWP system. The RTDF-CP also provides historical and seasonal trends, MWQI Program web site updates, and conducts data management activities pertaining to database infrastructure enhancement and development to improve long-term storage and retrieval of RTDF-CP data.

- (p) **"Real-Time Data and Forecasting Steering Committee (RTDF Steering Committee)"** consists of representatives from the MWQP branch, the DWR program partners, the Authority, and Urban SWP Contractors.
- (q) **"Real-Time Data and Forecasting (RTDF) Section"** means a Section of staff within the MWQP branch that routinely supports and sustains the RTDF-CP program.
- (r) **"Resource Agreements"** means a written program-partnering agreement to manage the workloads, staff resources, deliverables, and budgets across DWR Divisions in respective programs. MWQP has individual 3-year resource agreements (RA) with the: O&M Regulatory Compliance & Reporting Branch, the O&M Environmental Assessment Branch, and the BDO Delta Modeling Section.
- (s) **"Statements of Charges (SOC)"** means the annual charges distributed to each Water Supply Contractor on July 1 of each year, as defined in Article 29 of the Water Supply Contract.
- (t) **"SWP"** means the State Water Project, which includes the Delta for purposes of the MWQI Program work plan projects.
- (u) **"SWP Project Interest Rate"** means the weighted average of the interest rates paid by the State on bonds issued under the Bond Act without regard to any premiums received on the sale thereof. Until bonds are issued and sold under the Bond Act, the project interest rate shall be four percent (4%) per annum, and after said bonds have been issued said rate shall be computed as a decimal fraction to five places.
- (v) **"Water Supply Contract"** means a long-term contract between the State of California and each Urban SWP Contractor for a water supply from the SWP of the type contained in DWR's Bulletin 141 dated November 1965.
- (w) **"Water Supply Contractor"** means a public agency that has a current Water Supply Contract.

2. **Work Plan Development.**

- (a) DWR shall develop a proposed annual MWQI Work Plan, budget, and workload assessment by September 15 for the upcoming Calendar Year for presentation to, and to receive recommendations from, the RTDF

Steering Committee and for the concurrence of the MWQI SPC for work performed under their MWQI SPC Account.

DWR will hold monthly meetings/conference calls with the MWQI RTDF Steering Committee and provide a report on the status and progress of the MWQI Work Plan projects with monthly updates on expenditures. The final MWQI Work Plan shall be developed by December 15 of each year for the upcoming Calendar Year.

- (b) In developing the MWQI Work Plan each year, all comments and suggestions from the Participating Contractors will be processed through the MWQI SPC. The MWQI SPC will submit a unified set of comments to DWR.
 - (c) The MWQI Work Plan shall, at a minimum, include:
 - (1) A description of the water quality assessment work to be accomplished, including planned field and laboratory work, with monitoring projects broken down into routine or short-term;
 - (2) A description of the RTDF-CP work including the real-time monitoring program, production and dissemination of daily, weekly, and website RTDF-CP reports on hydrologic and water quality conditions, and information and data management activities;
 - (3) A description of the water quality modeling and forecasting work including production and dissemination, of Delta fingerprint modeling, short-term forecasts and seasonal forecasts;
 - (4) A description of other MWQI Program funded activities;
 - (5) Specifications for deliverables related to individual MWQI Program components; and
 - (6) Budget for each MWQI Program component, along with a total budget and workload assessment.
3. **MWQI Real-Time Data Forecasting Steering Committee (RTDF Steering Committee).** The MWQI RTDF Steering Committee shall meet as needed to review, refine, and recommend changes to the MWQI Work Plan.
4. **MWQI Work Plan Implementation.**
- (a) MWQI Program work shall be implemented upon final approval of the MWQI Work Plan by DWR and the MWQI SPC, and will be conducted in accordance with the MWQI Work Plan.

- (b) Adjustments to the MWQI Program may be made as needed by DWR in response to conditions or opportunities that may arise at any time in a Calendar Year. These changes will be submitted to the RTDF Steering Committee for concurrence, and as needed to the MWQI SPC at their next scheduled meeting.
5. **Program Deliverables.** At a minimum, DWR will provide the RTDF Steering Committee the Program Deliverables listed below, subject to modification by decision of DWR, and with the concurrence of the RTDF Steering Committee and the MWQI SPC:
- (a) Monthly status reports and an assessment of recent MWQI Program expenditures in relation to the program budget at the last week of the month or at the next scheduled RTDF Steering Committee meeting.
 - (b) All MWQI Program FSS data collected will be made available through the Water Data Library or the California Data Exchange Center. All MWQI Program final RTDF-CP reports will be posted on the MWQI website.
 - (c) MWQI RTDF-CP monitoring and forecasting reports shall be completed in a timely manner given staffing and financial constraints.
6. **MWQI SOC Charge.**
- (a) DWR shall recover its costs for the MWQI Program through the MWQI SOC Charge. The MWQI SOC Charge shall recover costs incurred by DWR for the MWQI Program consistent with the annual MWQI Work Plan during the term of this Agreement. Each Participating Contractor's share of the annual MWQI SOC Charge for the term of the Agreement will be calculated each year based upon the annual MWQI SOC Charge multiplied by their proportionate share of the M&I Table A amount, except that of Kern County Water Agency. Kern County Water Agency shall be limited to 79,000 acre-feet and the remainder of the Participating Contractors' share shall increase proportionately, as shown in Table 1 and Table 2.
 - (b) To facilitate billing on a calendar year basis, each Participating Contractor's share of the MWQI SOC Charge will be computed and included in the Participating Contractor's annual SOC under the Transportation Minimum OMP&R component, and, except as otherwise expressly provided in this Agreement, shall be collected under the same terms and conditions as charges are collected under that Water Supply Contract. The MWQI SOC Charge shall initially be based on projections of costs determined pursuant to development of the annual MWQI Work Plan. The MWQI SOC Charge shall then be subject to re-determination each year by DWR so that the charges may accurately reflect the increases or decreases in costs as compared to the projections of costs

and all other factors that are determinative of such charges. Adjustments to the annual charges resulting from a re-determination shall be reflected in each Participating Contractor's share of the MWQI SOC Charge in the following calendar year with interest at the current SWP Project Interest Rate.

- (c) The MWQI SOC Charge plus the MWQI SPC Charge will not exceed \$3,100,000 for any Calendar Year.
- 7. **Performance.** Implementation of the MWQI Program will require staff involvement of various organizational units within DWR. DWR will take steps to ensure sufficient staffing and coordination occurs consistent with the adopted MWQI Work Plan. From time to time due to other assigned duties, individual staff assigned to the MWQI Program may devote less than 100 percent of their effort to identified tasks in the MWQI Work Plan. DWR will not bill Participating Contractors for staff efforts not included in the MWQI Work Plan.
- 8. **MWQI SPC Account.** Work to be completed by the MWQI SPC shall be identified in Appendix 1 of the MWQI Work Plan. Appendix 1 shall be developed by DWR and the MWQI RTDF Steering Committee and submitted to the MWQI SPC for approval prior to any work being performed. Appendix 1 shall, at a minimum, include: a description of all professional services to be rendered; all equipment, supplies or services to be purchased; a description of the work to be accomplished, broken down into individual MWQI Work Plan components; descriptions of planned field and laboratory work; specifications for deliverables related to individual work elements; and, budgets for each work element, along with a total budget. The MWQI SPC Account costs for supplemental water quality related services will be collected through the MWQI SPC Charge. Payments from Contra Costa Water District (CCWD) for its participation in the MWQI Program activities may be used to offset the MWQI SPC Charge as necessary. The MWQI SPC Charge shall not exceed \$700,000 annually. The MWQI SPC will obtain the necessary goods and services using funds from the MWQI SPC Account to accomplish its share of the MWQI Work Plan.
- 9. **MWQI SPC Charge.** Each year as necessary, the Authority shall invoice Participating Contractors to collect funds for the MWQI SPC Account. Each Participating Contractor's share of the annual MWQI SPC Charge for the term of the Agreement will be calculated each year based on the annual MWQI SPC Charge multiplied by their proportionate share of the M&I Table A amount except that of Kern County Water Agency. Kern County Water Agency shall be limited to 79,000 acre-feet and the remainder of the Participating Contractors' share shall increase proportionately, as shown in Table 2. The MWQI SPC Account shall be used to implement the MWQI SPC activities identified in the annual MWQI Work Plan. The MWQI SPC Charge shall initially be based on projections of costs determined pursuant to development of the MWQI Work Plan. The MWQI SPC Charge shall then be subject to re-determination each year by the MWQI SPC so that the charges may accurately reflect the increases or

decreases in costs as compared to the projections of costs and all other factors that are determinative of such charges. Adjustments to the annual charges resulting from a re-determination shall be reflected in each Participating Contractor's share of the MWQI SPC Charge in the following calendar year with interest at the current SWP Project Interest Rate.

10. **Disposition of Property and Equipment.** Any property or equipment obtained by the Authority through the MWQI SPC Account, at the discretion of the MWQI SPC, may be given to DWR "as is." DWR, at its sole discretion, may choose to accept such property or equipment. Upon acceptance, such property or equipment shall become the property of the State of California, and neither the Authority nor any Water Supply Contractor shall have any further responsibility or liability for such property or equipment. The Authority does not and shall not provide any express or implied warranties for any property or equipment given to and accepted by DWR. However, to the extent permitted, the Authority will transfer to DWR any warranties provided by the manufacturer or other third parties for such property or equipment.
11. **Services Provided by the MWQI SPC on State Property.** With the approval of DWR for specific activities, the Authority on the recommendation or approval of the MWQI SPC may provide for services to be completed on State property as part of the MWQI Work Plan in Appendix 1. The Authority shall hold the State harmless for any litigation resulting from any claims that may arise from the participating vendor, contracted by the Authority, providing the services.
12. **Water Supply Contract.** Except as specified in this Agreement, the provisions of the Participating Contractor's Water Supply Contract shall be applicable to this Agreement.
13. **State Law.** This Agreement is made under and shall be construed in accordance with the laws of the State of California.
14. **MWQI Staff Out-of-State Travel.** If requested by the MWQI SPC, MWQI Program staff may be required to attend out of state scientific conferences to ensure that the MWQI Program provides the best available water quality information to the MWQI SPC and ensures that scientific studies are designed in the most innovative, cost-effective manner possible to meet future drinking water quality standards. Travel expenses will come out of DWR's MWQI Program Budget.
15. **Adjustment of Table 2 Proportionate Use Factors.** Table 2 Proportionate Use Factors are based upon the best information available of Participating Contractors that will be paying into the MWQI SPC Charge at the time this Agreement is executed. These Proportionate Use Factors may be adjusted if a Participating Contractor requests not to pay into the MWQI SPC Account and the request is approved by the MWQI SPC. The total of the Participating Contractors Table A Amount in Table 2 shall not be less than 2,300,000 acre-feet. Any

Participating Contractor not paying into the MWQI SPC Account through the MWQI SPC Charge will still be subject to Paragraph 16, the Final Program Accounting.

16. Final Program Accounting.

- (a) At the end of the Agreement, DWR and the Authority will work together to summarize all Participating Contractor's MWQI SOC Charges, MWQI SPC Charges and those MWQI SPC Account costs paid for by the payments from CCWD and all actual MWQI Program costs incurred during the term of this Agreement. This Final Program Accounting will determine if each Participating Contractor has paid its proportionate share of the total actual MWQI Program costs through its payments to both the MWQI SOC Charge and the MWQI SPC Charge during the term of the Agreement. Each Participating Contractor's proportionate share of the total MWQI Program costs will be in the same proportion as its M&I Table A Amount shown in Table 1 bears to the total of all Participating Contractor's M&I Table A Amounts shown in Table 1.
- (b) If a new MWQI Agreement, similar to this MWQI Agreement, is implemented effective January 1, 2020, DWR will account for each Participating Contractor's Final Program Accounting over and under payment to the MWQI SOC Charge in the 2021 MWQI SOC Charge. If a new MWQI Agreement, similar to this MWQI Agreement is not implemented, DWR will invoice each Participating Contractor for its Final Program Accounting over or under payment in the 2021 SOC.
- (c) If a new MWQI Agreement, similar to this MWQI Agreement is implemented effective January 1, 2020, the Authority will provide for each Participating Contractor's Final Program Accounting over and under payment to the MWQI SPC Charges for the Calendar Year 2020 - 2021 MWQI SPC Charge. If a new MWQI Agreement, similar to this MWQI Agreement is not implemented, the Authority will issue either a check or invoice to each Participating Contractor for its Final Program Accounting over or under payment by July 1, 2020.
- (d) The MWQI SPC may vote to not conduct the Final Program Accounting at the end of the 2017-2019 MWQI Agreement if the M&I Table A amounts of the Contractors participating in both the SOC and SPC charges exceed 2,300,000 acre-feet. The MWQI SPC will provide DWR written notice of the vote by July 1, 2019.

- 17. Term of Agreement.** This Agreement shall take effect on January 1, 2017, only if this MWQI Agreement is executed by the Participating Contractors that together have M&I Table A Amounts totaling at least 2,300,000 acre-feet. This Agreement shall terminate on December 31, 2019, except for payments or credits found through re-determination pursuant to Paragraph 16 of this

Agreement. This Agreement may be terminated by any party with a twelve months written notice. Written notice of termination shall be delivered by certified mail with receipt for delivery returned to the sender. If any party provides notice of termination, the Authority and DWR will renegotiate the budget for the time remaining in the twelve month period. DWR shall perform such work as is necessary for the orderly completion of work scheduled for the twelve month period. The cost of such work shall not exceed the budget for that twelve month period. If the Participating Contractors decide to continue to fund the MWQI Program starting January 1, 2020, the MWQI SPC will provide DWR with a Letter of Intent no later than February 1, 2019, of that intent. This will allow DWR time to prepare the preliminary estimates for the 2020 SOC.

18. **Agreement Execution.** This Agreement may be executed in counterpart, each will be deemed to be an original and all of which together will be deemed to be the same document. Each entity certifies that the person signing below on the respective entity's behalf has the authority to bind that entity to the covenants made in this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

APPROVED AS TO LEGAL FORM
AND SUFFICIENCY

Spencer Kenner
Chief Counsel

Date _____

ALAMEDA COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT, ZONE 7

G.F. Duerig
General Manager

Date _____

ANTELOPE VALLEY-EAST KERN
WATER AGENCY

Dwayne Chisam
General Manager

Date _____

CENTRAL COAST WATER AUTHORITY

Ray Stokes
Executive Director

Date _____

KERN COUNTY WATER AGENCY

Curtis Creel
General Manager

Date _____

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Dean F. Messer, Chief
Division of Environmental Services

Date _____

ALAMEDA COUNTY WATER DISTRICT

Robert Shaver
General Manager

Date _____

CASTAIC LAKE WATER AGENCY

Matthew G. Stone
General Manager

Date _____

CRESTLINE-LAKE ARROWHEAD
WATER AGENCY

Roxanne M. Holmes
General Manager

Date _____

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Devendra Upadhyay, Group Manager
Water Resource Management

Date _____

MOJAVE WATER AGENCY

Kirby Brill
General Manager

Date _____

NAPA COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT

Phillip E. Miller
District Engineer

Date _____

PALMDALE WATER DISTRICT

Dennis LaMoreaux
General Manager

Date _____

SAN BERNARDINO VALLEY MUNICIPAL
WATER DISTRICT

Douglas Headrick
General Manager

Date _____

SAN GORGONIO PASS WATER AGENCY

Jeff Davis, P.E.
General Manager and Chief Engineer

Date _____

SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

Dave Flynn
Public Works Deputy Director

Date _____

SANTA CLARA VALLEY WATER DISTRICT

Norma Camacho
Interim Chief Executive Officer

Date _____

SOLANO COUNTY WATER AGENCY

Roland Sanford
General Manager

Date: _____

STATE WATER PROJECT
CONTRACTORS AUTHORITY

Mary Lou Cotton
General Manager

Date _____

STATEMENT OF CHARGES ALLOCATION FACTORS
TABLE 1

	M&I Table A	Proportionate Share
ALAMEDA CO FC&WCD - ZONE 7	80,619	0.02841469
ALAMEDA COUNTY WD	42,000	0.01480317
ANTELOPE VALLEY-EAST KERN WA	144,844	0.05105120
CASTAIC LAKE WA	95,200	0.03355385
CENTRAL COAST WATER AUTH.	45,486	0.01603183
CRESTLINE-LAKE ARROWHEAD WA	5,800	0.00204425
KERN COUNTY WATER AGENCY	79,000	0.02784406
METROPOLITAN WD OF SC	1,911,500	0.67372050
MOJAVE WATER AGENCY	89,800	0.03165059
NAPA COUNTY FC&WCD	29,025	0.01023005
PALMDALE WD	21,300	0.00750732
SAN BERNARDINO VALLEY MWD	102,600	0.03616203
SAN GORGONIO PASS WA	17,300	0.00609750
SAN LUIS OBISPO CO. FC&WCD	25,000	0.00881141
SANTA CLARA VALLEY WD	100,000	0.03524564
SOLANO COUNTY WA	47,756	0.01683191
TOTAL	2,837,230	1.00000000

MWQI SPECIFIC PROJECT COMMITTEE CHARGE FACTORS
TABLE 2

	M&I Table A	Proportionate Share
ALAMEDA CO FC&WCD - ZONE 7	80,619	0.02866729
ALAMEDA COUNTY WD	42,000	0.01493477
ANTELOPE VALLEY-EAST KERN WA	144,844	0.05150503
CASTAIC LAKE WA	95,200	0.03385214
CENTRAL COAST WATER AUTH.	45,486	0.01617435
CRESTLINE-LAKE ARROWHEAD WA	5,800	0.00206242
KERN COUNTY WATER AGENCY	79,000	0.02809159
METROPOLITAN WD OF SC	1,911,500	0.67970970
MOJAVE WATER AGENCY	89,800	0.03193195
NAPA COUNTY FC&WCD	29,025	0.01032099
PALMDALE WD	21,300	0.00757406
SAN BERNARDINO VALLEY MWD	102,600	0.03648350
SAN GORGONIO PASS WA	17,300	0.00615170
SANTA CLARA VALLEY WD	100,000	0.03555897
SOLANO COUNTY WA	47,756	0.01698154
TOTAL	2,812,230	1.00000000

STATE WATER PROJECT CONTRACTORS AUTHORITY

MWQI PROGRAM

SPECIFIC PROJECT AGREEMENT

Recitals

WHEREAS, the parties to this MWQI Program Specific Project Agreement ("Specific Project Agreement") are among the members of the State Water Project Contractors Authority ("Authority") by virtue of their individual executions of the Joint Powers Agreement for the State Water Project Contractors Authority ("JPA Agreement");

WHEREAS, State Water Project water quality issues are of considerable importance to the parties;

WHEREAS, Section 4.3 ("Specific Projects") of the JPA Agreement provides that specific project agreements may be entered into pursuant to which the Authority may undertake tasks as described in such specific project agreements;

WHEREAS, the parties to this Specific Project Agreement ("Specific Project Members or Parties") will execute an agreement ("MWQI Agreement") with the Department of Water Resources (DWR) providing for the parties' participation in the Municipal Water Quality Investigations (MWQI) Program for the period January 1, 2017 through December 31, 2019;

WHEREAS, the MWQI Agreement will establish an MWQI Specific Project Committee (SPC) Account, not to exceed \$700,000 annually whereby the MWQI SPC can use these funds to perform supplemental water quality related services for the MWQI Program to ensure that work is completed in a timely and cost-effective manner and to provide additional value to the MWQI Program.

NOW, THEREFORE, it is agreed by and between the Parties as follows:

1. This Specific Project Agreement, upon execution, hereby supersedes and replaces in total all previous MWQI Program Specific Project Agreements.
2. This Specific Project Agreement shall become effective upon receipt of signatures of those Specific Project Members whose combined Maximum M&I Table A amounts, as identified in Table 1, total 2.3 million acre-feet. This Specific Project Agreement shall terminate on December 31, 2019, except for payments or credits found through re-determination pursuant to Paragraph 16 of the MWQI Agreement entered into between DWR, the Authority, and the Specific Project Members for the period January 1, 2017 through December 31, 2019.

3. The Specific Project Members hereby form the MWQI Specific Project Committee ("Committee"). Each Specific Project Member shall appoint a representative to the Committee to exercise the Member's voting rights and may appoint an alternate to the Committee. In the representative's absence, the alternate shall function as the representative.
4. The Committee anticipates that DWR will request the Authority General Manager to perform certain water quality related services through the MWQI SPC Account.
5. On behalf of the Authority, the Committee shall each year review and approve the MWQI Work Plan Appendix 1 items and budget and authorize the Authority General Manager to perform supplemental water quality related services as specified in the MWQI Agreement.
6. In accordance with the JPA Agreement and on behalf of the Authority, the Committee shall (a) select, pursuant to a competitive process, direct and receive work performed by consultants; (b) direct the Authority General Manager's administration of consultant contracts; and (c) undertake any ancillary work related thereto.
7. Individual Specific Project Member voting rights as a percentage of all voting rights shall be allocated in the same percentages as costs are allocated in attached Table 1 – MWQI Specific Project Account. Committee actions shall only be effective if approved by a majority of the Specific Project Members and by a majority of the Members' voting rights.
8. A Special Project could be a study requested by certain Specific Project Members who share an interest in investigating a specific water quality matter. If the Committee seeks approval of a Special Project outside of the annual MWQI SPC Account \$700,000 limit allowed under the MWQI Agreement, the Committee shall direct the Authority General Manager to carry out such work only after it establishes a scope of work, schedule, and budget and notifies each agency in writing of its cost sharing proportion of the proposed Special Project. Any agency may choose to "opt in" participation for this Special Project by providing written notice within ten working days of notification. Each participating agency's cost share of the proposed Special Project shall be allocated based upon its Table 1 value in proportion to all agencies' Table 1 values that "opt-in" to the proposed Special Project or as otherwise agreed to amongst the participating agencies. The General Manager shall, as soon as practicable, invoice only the participating Specific Project Members for the resulting costs incurred by the Authority.
9. The Committee recognizes that the Committee shall incur administrative costs resulting from, but not limited to, participation in meetings, negotiations, analysis

and general operational overhead administrative costs not to exceed \$50,000 per year. Administrative charges shall be billed to the MWQI Work Plan Appendix 1 or assessed to the Specific Project Members, as appropriate, if work is done on Special Projects under Paragraph 8, depending upon the direct or indirect nature of the charges.

10. Specific Project Members may from time to time provide direct services to the Committee through use of their facilities and staff. Prior to carrying out such work, the Specific Project Member shall provide an estimate to the Committee for their review and approval. Such services shall be administered by the Authority in the same manner as other consultant services, following the same procedures and limitations. The Authority shall compensate Specific Project Members for such services and recover the costs in accordance with Paragraphs 4 or 8 of this Specific Project Agreement as appropriate.
11. The Committee shall elect a Chairperson, Vice Chairperson, and such other officers, with titles and duties as determined by the Committee.
12. A Specific Project Member may terminate its participation in this Specific Project Agreement upon 30 days notice to the Authority General Manager. Any terminating Member shall only be responsible for its share of any and all costs incurred or committed by the Authority prior to the notice.
13. This Specific Project Agreement shall not be considered to be a precedent.
14. Notwithstanding the provisions of Section 15.8 (Limitations on Liability) of the JPA Agreement, as between themselves, the Specific Project Members agree to severally assume any liability of the Authority resulting from this Specific Project Agreement in proportion to their respective shares of costs. Each Specific Project Member agrees that all members of the Authority that are not participating in this Specific Project Agreement shall incur no liability as a result of the Authority undertaking the work provided for by this Specific Project Agreement.
15. All provisions of the JPA Agreement are incorporated by reference and remain in full force and effect.
16. This Specific Project Agreement may be executed in counterparts.
17. The terms and conditions of the MWQI Agreement are incorporated by reference in this Specific Project Agreement.

IN WITNESS WHEREOF, the Parties hereto have executed this Specific Project Agreement by authorized officials thereof on the dates indicated below.

DATE: _____

By: _____
Member and Authorized Representative

**Table 1 - MQWI Specific Project
Account**

Participating SWP Contractor	Maximum Table A (acre-feet)*	Cost Allocation*
Alameda County Flood Control and Water Conservation District, Zone 7	80,619	0.02866729
Alameda County Water District	42,000	0.01493477
Antelope Valley-East Kern Water Agency	144,844	0.05150503
Castaic Lake Water Agency	95,200	0.03385214
Central Coast Water Authority	45,486	0.01617435
Crestline-Lake Arrowhead Water Agency	5,800	0.00206242
Kern County Water Agency	79,000	0.02809159
Metropolitan Water District of Southern California	1,911,500	0.67970970
Mojave Water Agency	89,800	0.03193195
Napa County Flood Control and Water Conservation District	29,025	0.01032099
Palmdale Water District	21,300	0.00757406
San Bernardino Valley Municipal Water District	102,600	0.03648350
San Geronio Pass Water Agency	17,300	0.00615170
Santa Clara Valley Water District	100,000	0.03555897
Solano County Water Agency	47,756	0.01698154
Total:	2,812,230	1.00000000

* Cost allocation is based on SWP contract Maximum Table A amounts (KCWA amount is based on Municipal and Industrial use for two member units).

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: Contract Amendment for Continued Government Relations Representation by Clean Tech Advocates

RECOMMENDATION:

Authorize General Manager to execute contract Amendment 2 with Clean Tech Advocates to:

- 1) Extend term of existing 2-year contract by 6 months (from January 2017 through June 2017)
- 2) Increase contract amount by \$56,000, from \$160,000 to \$216,000

FINANCIAL IMPACT:

Total FY 2016-17 Clean Tech Advocates billings through Dec 2016: \$51,300. With the proposed contract amendment, total Clean Tech Advocates billings for FY 2016-2017 are projected to be \$107,300. Sufficient funds are available in the Water Agency's FY 2016-2017 Administration Budget for the proposed contract amendment.

BACKGROUND:

Mr. Patrick Leathers of Clean Tech Advocates first represented the Water Agency in the 2003-2004 State Legislative Session. In past years his scope of services has included governmental advocacy and consulting in the following areas: securing funding from State Propositions and other sources, most notably in support of the North Bay Aqueduct Alternate Intake Project, advocating Water Agency positions on various legislation and water policy matters, and protection of Water Agency revenues. Of particular interest in the upcoming legislation session is a possible Water Bond for 2018, funding for additional feasibility investigations in support of the North Bay Aqueduct Alternate Intake Project, and the ongoing 2006 Bay-Delta Plan update. In the coming year (and successive years) Mr. Leathers' services will be extremely important with respect to the development of the North Bay Aqueduct Alternate Intake Project. It is currently estimated the North Bay Aqueduct Alternate Intake Project will cost 600 million dollars to design and construct, and that without significant outside funding sources - \$300 to \$400 million dollars - the Project cost will be beyond the economic capacity of the Solano North Bay Aqueduct water users.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The proposed contract amendment is consistent with Goal #9 of the 2016-2025 SCWA Strategic Plan (*Expand proactive advocacy at regional, state and federal levels to achieve the objectives of SCWA*) and Objective C of Goal #9 in particular (*Actively promote legislative/advocacy priorities -high priority*).

Recommended: 
Roland Sanford, General Manager

<input type="checkbox"/> Approved as recommended	<input type="checkbox"/> Other (see below)
--	--

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

SOLANO COUNTY WATER AGENCY

AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

AMENDMENT NUMBER: 2

CONTRACTOR: Clean Tech Advocates.

EFFECTIVE DATE: Dec 1, 2016

PROJECT: Governmental Advocacy and Consulting Services

DESCRIPTION OF AMENDMENT:

1. Increase contract amount by \$56,000 from \$160,000 to \$216,000
2. Extend term of contract to June 30, 2017

SIGNATURES:

Solano County Water Agency,
a Public Agency

Clean Tech Advocates

By: _____
Roland Sanford,
General Manager

By: _____
Patrick Leathers,
Senior Counsel/Partner

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: Dissolution of SCWA Strategic Planning Committee

RECOMMENDATION:

Dissolve SCWA Strategic Planning Committee.

FINANCIAL IMPACT:

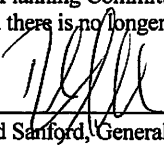
None

BACKGROUND:

On March 12, 2015 the SCWA Board created the Strategic Planning Committee, more formally known as the Strategic Planning Stakeholder Group, to lead development of a new strategic plan for SCWA. The committee consisted of six SCWA Board members along with five members of the SCWA Advisory Commission, the Chair of the SCWA Flood Control Advisory Committee, and a staff representative from the Fairfield Suisun Sewer District and the Vallejo Sanitation and Flood Control District, respectively. The strategic plan was completed and formally adopted by the SCWA Board on December 8, 2016. The SCWA Strategic Planning Committee's work is done. For administrative "housekeeping" purposes, staff recommends the SCWA Board formally dissolve the SCWA Strategic Planning Committee.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The SCWA Strategic Planning Committee lead development of the 2016-2025 SCWA Strategic Plan, now that the plan has been adopted there is no longer a need to maintain the committee.

Recommended: 
Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: SCWA High-Efficiency Washer Rebate Program

RECOMMENDATION:

Authorize General Manager to execute service agreement with Thinking Green Consultants to administer SCWA High-Efficiency Washer (HEW) Rebate Program.

FINANCIAL IMPACT:

Most of the proposed \$125,000 contract is reimbursable through grant funds obtained from Round 3 of the Bay Area IRWM Conservation Grant (\$30,000) and the Westside IRWM Grant (\$60,000). Sufficient funding is available in the Water Agency's FY 2016-2017 Water Conservation budget for the remaining balance of the proposed contract (\$35,000).

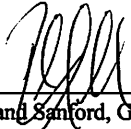
BACKGROUND:

High Efficiency Washers (HEW) use less water, energy, and detergent than conventional washing machines – 7,000 to 9,000 gallons annually, for a typical household. However, HEW's are typically more expensive than conventional washing machines. The Regional High Efficiency Washer Rebate Program encourages the purchase and installation of energy and water efficient washing machines by offering buyers a \$100 rebate toward qualifying purchases

SCWA has been implementing a HEW rebate program in partnership with PG&E since 2014. PG&E has decided to terminate its involvement in the washer rebate program effective December 31, 2016. PG&E's decision to no longer participate in the HEW rebate program was driven by the desire to promote other energy savings rebate programs in lieu of the HEW rebate program. Staff recommends SCWA continue the HEW program in Solano County, in conjunction with SCWA's other water conservation rebate programs. Thinking Green Consultants has been selected to administer the HEW program and would do so until the available funds are exhausted (see attached service agreement and scope of work).

☒ Continued on Next Page

Recommended: _____


Roland Sanford, General Manager

☐ Approved as recommended ☐ Other (see below)

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The Water Agency's participation in the Regional High-Efficiency Washer Rebate Program is consistent with Goal #5 of the 2016-2025 Strategic Plan (*Provide and maintain communication of SCWA activities and responsibilities*), and more specifically, Objective B of Goal # 5 (*Evaluate, and where appropriate, coordinate public awareness of water related programs throughout the County– high priority objective*)

Name of Project: **Regional High-Efficiency Washer Rebate Program**

SOLANO COUNTY WATER AGENCY

AGREEMENT FOR PROFESSIONAL SERVICES

THIS AGREEMENT, **effective January 1, 2017**, is between SOLANO COUNTY WATER AGENCY, a public agency existing under and by virtue of Chapter 573 of the 1989 statutes of the State of California, hereinafter referred to as "Agency," and THINKING GREEN CONSULTANTS, hereinafter referred to as "Contractor."

The Agency requires services for the design of the **Regional High-Efficiency Washer Rebate Program**; and the Contractor is willing to perform these services pursuant to the terms and conditions set out in this Agreement.

IT IS MUTUALLY AGREED, as follows:

1. SCOPE OF SERVICES

The Agency hereby engages the Contractor, and the Contractor agrees to perform the services for the **Regional High-Efficiency Washer Rebate Program**, as described in Exhibit A, in accordance with the terms of this Agreement and any applicable laws, codes, ordinances, rules or regulations. In case of conflict between any part of this Agreement, this Agreement shall control over any Exhibit.

2. COMPENSATION

Compensation for services shall be as follows: Hourly rate of personnel plus any allowed reimbursable expenses based on unit costs as indicated on any allowed reimbursable expense in Exhibit B **not to exceed \$125,000** for all work contemplated by this Agreement.

3. METHOD OF PAYMENT

Upon submission of an invoice by the Contractor, and upon approval of the Agency's representative, the Agency shall pay the Contractor monthly in arrears for fees and allowed expenses incurred the prior month, up to the maximum amount provided for in paragraph 2 of this Agreement. Every invoice shall specify hours worked for each task identified in Exhibit A undertaken.

Each invoice shall be accompanied by a spreadsheet showing, by month, costs incurred to date for the project broken down by the Tasks identified in Exhibit A. The spreadsheet shall show, for each task, budget amounts, total expended and remaining amounts. The spreadsheet shall show a subtotal for each fiscal year covered by the contract. Any amendments to the

contract shall be listed and incorporated into spreadsheet. An example of a typical spreadsheet shall be provided by the Agency.

4. TIME OF PERFORMANCE

This Agreement shall become effective as of the date it is executed and said services will take place between this date and **December 31, 2017** as directed by the Agency.

5. MODIFICATION AND TERMINATION

This Agreement may be modified or amended only by written instrument signed by the parties hereto, and the Contractor's compensation and time of performance of this Agreement shall be adjusted if they are materially affected by such modification or amendment.

This Agreement may be terminated by the Agency at any time, without cause, upon written notification to the Contractor. The Contractor may terminate this Agreement upon 30 days written notice to Agency.

Following termination by the Agency or the Contractor, the Contractor shall be reimbursed for all expenditures made in good faith in accordance with the terms of this Agreement that are unpaid at the time of termination.

6. INDEMNIFY AND HOLD HARMLESS

When the law establishes a professional standard of care for the Contractor's services, to the fullest extent permitted by law, Contractor will defend, indemnify and hold harmless the Agency, its directors, officers, employees, and authorized volunteers from all claims and demands of all persons that arise out of, pertain to, or relate to the Contractor's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. The Contractor shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Contractor's performance or non-performance of the work hereunder, and shall not tender such claims to Agency nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.

Other than in the performance of professional services, to the fullest extent permitted by law, Contractor will defend, indemnify and hold harmless the Agency, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out of the performance of the work or furnishing of materials; including but not limited to, claims by the Contractor or Contractor's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of the Agency, its directors, officers, employees, or authorized volunteers.

7. INSURANCE

By his/her signature hereunder, Contractor certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Contractor will comply with such provisions before commencing the performance of the professional services under this agreement. Contractor and subcontractors will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.

Contractor will file with the Agency, before beginning professional services, certificates of insurance satisfactory to the Agency evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 general and products-completed operations aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable); requiring 30 days (10 days for non-payment of premium) notice of cancellation to the Agency. Any insurance, self-insurance or other coverage maintained by the Agency, its directors, officers, employees, or authorized volunteers shall not contribute to it. The general liability coverage shall give the Agency, its directors, officers, employees, and authorized volunteers insured status using ISO endorsement CG2010, CG2033, or equivalent. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- :VII, or equivalent, or as otherwise approved by the Agency. In the event that the Contractor employs other contractors (subcontractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each subcontractor meets the minimum insurance requirements specified above.

If any of the required coverages expire during the term of this agreement, the Contractor shall deliver the renewal certificate(s) including the general liability additional insured endorsement to the Agency at least ten (10) days prior to the expiration date

8. NOTICE

Any notice provided for herein are necessary to the performance of this Agreement and shall be given in writing by personal delivery or by prepaid first-class mail addressed as follows:

AGENCY

Roland Sanford, General Manager
Solano County Water Agency
810 Vaca Valley Pkwy, Ste. 203
Vacaville, CA 95688

CONTRACTOR

Gianna Harrington
Thinking Green Consultants
P O Box 1011
Truckee, CA 96160

The parties have executed this Agreement the day and year first above written. If the Contractor is a corporation, documentation must be provided that the person signing below for the Contractor has the authority to do so.

Solano County Water Agency
a Public Agency

Thinking Green Consultants

By: _____
Roland Sanford, General Manager
Solano County Water Agency

By: _____
Gianna Harrington
Thinking Green Consultants

EXHIBIT A

SCOPE OF SERVICES

Processing and Administrative Services:

During 2017 Thinking Green Consultants will be receiving washer rebate applications, process and pay rebates for participating water agency customers. Processing and administrative services include:

- Verify the authenticity of each rebate application and product qualification, check completeness of the application and that required documentation is included.
- Thinking Green Consultants will maintain a toll-free customer service phone number. Web page provided by Thinking Green Consultants with links to rebate application and qualifying list of washers.
- Enter application data to program database. Computer will verify customer eligibility via a zip code table. If a consumer's eligibility in the program is in question, Thinking Green electronically transmits or faxes the consumer information to the Agency for approval/disapproval.
- Thinking Green Consultants shall receive and review all rebate applications from customers applying to the Program, and shall verify the purchased washers are approved high efficiency models and meet the qualification criteria established by the Agency. Thinking Green shall verify the completeness of the application, assure that all required documents are included and apply the appropriate rebate amount.
- Thinking Green Consultants shall issue letters, within five (5) working days of data entering the rebate, requesting missing information from applicants who submit incomplete applications.
- Provide participating agencies with an Excel spreadsheet, via email, (Weekly Rebate Application List), listing the following: Rebate application number, water service account number, Applicant's name, address, phone number, date Thinking Green received the application, date of sale, washer make and model, price, rebate amount, field for Agency to mark "Approved" or "Denied" and field to mark reason for denial. This will be performed once a week for purposes of account verification. Agency will review the Weekly Rebate Application List, make approvals, denials, and corrections to rebate applicant information, and return the list to Thinking Green.
- Thinking Green shall issue a single rebate check, which includes Agency rebate number, once the inspection file is returned from Agency, indicating all approvals and denials, after which the database will be updated. Payments will be made and denial letters will be issued accordingly.
- Thinking Green shall send denial letters to the following applicants: applicants not meeting rebate qualifications; not in the Agency's service area; not purchasing an approved washer; not purchasing a washer in the timeline of the program; and/or being denied on the Weekly Rebate Application List by the Agency.
- Thinking Green shall submit a monthly summary of approved and denied rebate applicants to the Agency Project Manager. The monthly summary shall include a description of why applicants were denied;

- Thinking Green shall process payment invoice showing Agency rebate levels, and total funds required;
- Thinking Green shall release checks for applicants in the Agency area.

EXHIBIT B

RATE OF COMPENSATION

BAY AREA WASHING MACHINE REBATE MANAGEMENT SERVICES:

Set up fee (one time)*	\$ 3,500.00
Rebate Amount (pass through)	\$ 100.00 Per Rebate
Rebate Processing (admin, zip code monitoring, database entry, mailing, etc.)	\$17.00 Per Rebate

* database set up, toll free phone set up, web page design, create rebate application, zip code report

SOLANO COUNTY WATER AGENCY

MEMORANDUM



Agenda Item 8

TO: Board of Directors

FROM: Roland Sanford, General Manager

DATE: January 5, 2017

SUBJECT: January 2017 General Manager's Report

Water Supply Outlook

The 2017 water year is off to a strong start. To date runoff into Lake Berryessa is well above historical averages for the months of October through December (see attached charts). As of this writing Lake Berryessa storage is just shy of 950,000 acre-feet – more than enough to ensure full contractual water deliveries in 2017, regardless of whether or not we receive any additional runoff over the balance of the rainy season.

The water supply outlook for the North Bay Aqueduct has improved significantly. On December 21, 2016 the Department of Water Resources (DWR) announced increased allocations – increasing the 2017 North Bay Aqueduct allocation from 25% of the full Table A contractual amount to 55% of the full Table A contractual amount. Last year's final North Bay Aqueduct allocation was ultimately 65% of the full Table A contractual amount. If current weather trends continue the final allocation for 2017 is likely to be greater than 65%.

Salmon in Lower Putah Creek

Recent newspaper articles have highlighted the unprecedented number of adult Chinook salmon that have migrated into Lower Putah Creek in recent months. As of this writing it is estimated that well over 2,000 salmon have arrived in Lower Putah Creek. – more fish than available spawning habitat. Currently, Lower Putah Creek is one of the few streams in the Central Valley that have seen an increase in the numbers of spawning salmon from the prior year. Last year an estimated 800 adult Chinook salmon reportedly migrated into Lower Putah Creek.

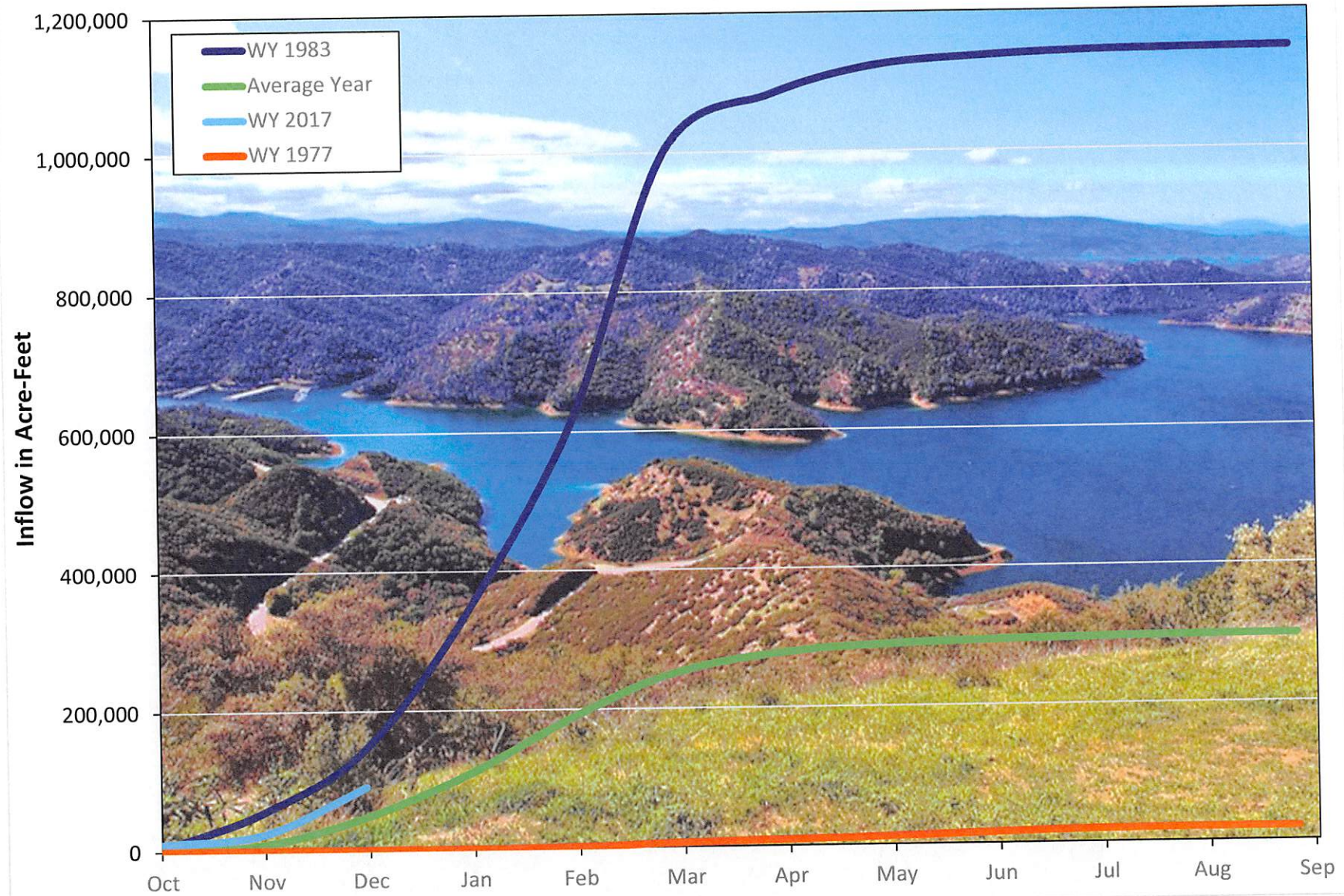
February 9, 2017 Solano Subbasin GSA Workshop

We are entering the “stretch drive” toward the formation of one or more groundwater sustainability agencies (GSA) for the Solano portion of the Solano groundwater subbasin. A workshop for GSA eligible agencies and other interested parties will be held at the Solano County Water Agency office in Vacaville to review progress to date and next steps. The workshop is tentatively scheduled for 4:30 pm in the Berryessa Room (Board Room). An agenda and additional information should be available within the next few weeks.

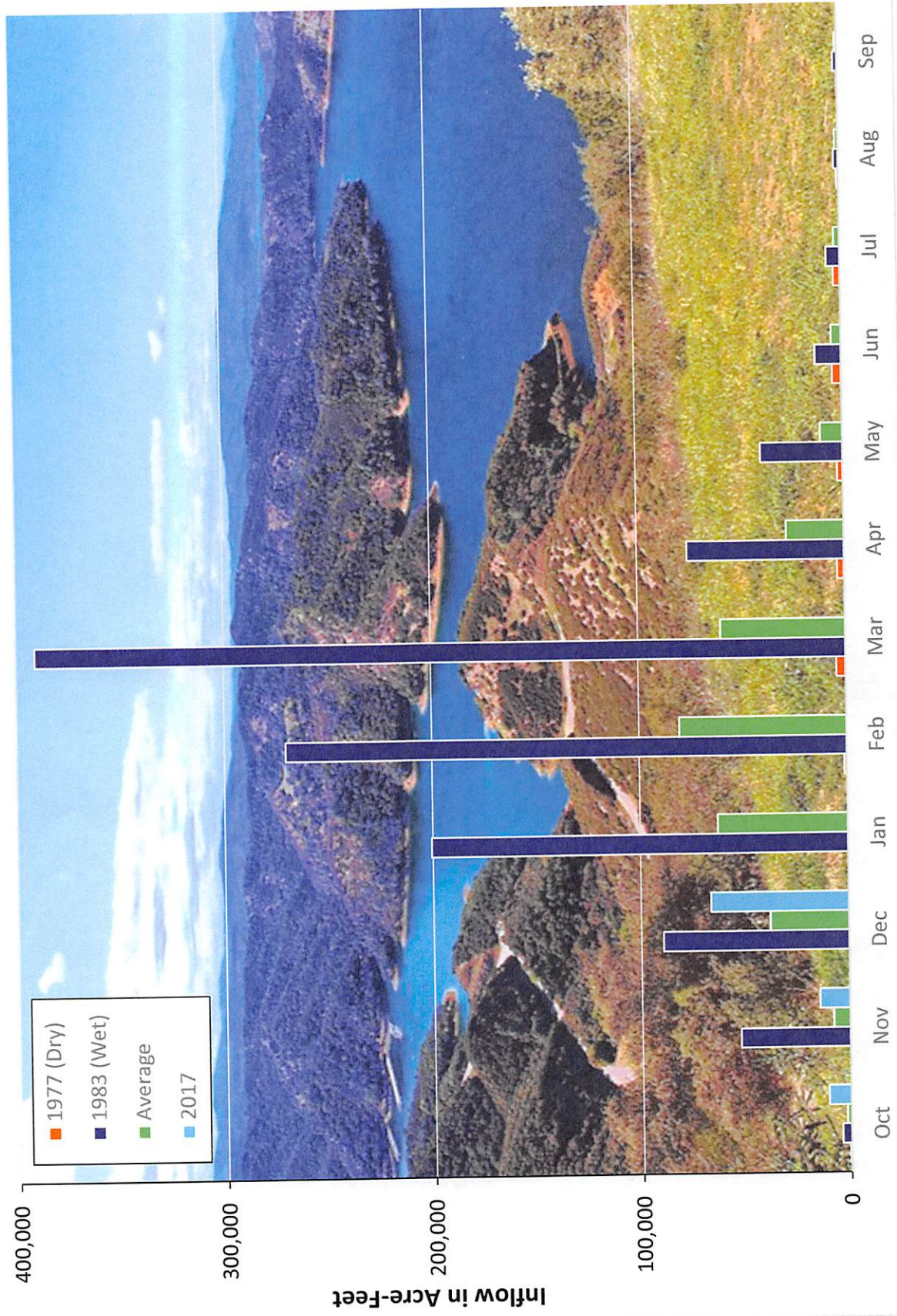
810 Vaca Valley Parkway, Suite 203
Vacaville, California 95688
Phone (707) 451-6090 • FAX (707) 451-6099
www.scwa2.com



Annual Lake Berryessa Inflow



Annual Lake Berryessa Inflow



**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: Adopt 2017 Quarterly Meeting Calendar for Water Policy and Legislative Committees

RECOMMENDATION:

Adopt 2017 quarterly meeting calendar for the Board's Water Policy and Legislative committees.

FINANCIAL IMPACT:

None

BACKGROUND:

On August 11, 2016 the Board adopted the following committee formation and meeting protocols for the Board's Legislative and Water Policy committees:

Legislative Committee

- 1) Each January the newly elected SCWA Board Chair appoints the Legislative Committee members for the calendar year.
- 2) The Legislative Committee consists of a Chair, Vice Chair, and at least one city mayor, one County Supervisor, and one irrigation district representative
- 3) A SCWA staff member and one representative from the SCWA Advisory Commission are assigned to assist and advise Legislative Committee members, and to provide the administrative services needed to conduct meetings.
- 4) The SCWA legislative advocate attends and participates in Legislative Committee meetings as requested by the committee and/or SCWA staff (SCWA legislative advocate to provide written or oral reports to the full SCWA Board on at least a quarterly basis).
- 5) In January of each year the Board adopts an annual meeting schedule for the Legislative Committee that calls for at least one scheduled meeting every four months (quarterly meetings). The committee may elect to cancel one or more quarterly meetings, or to meet more frequently. However, for planning purposes, unless cancelled or otherwise rescheduled, quarterly meeting will occur on the date and time specified in the Board adopted meeting calendar (see attached spreadsheet for recommended "baseline" meeting schedule).

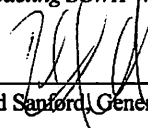
Water Policy Committee

- 1) Each January the newly elected SCWA Board Chair appoints the Water Policy Committee members for the calendar year.
- 2) The Water Policy Committee consists of a Chair, Vice Chair, and at least one city mayor, one County Supervisor, and one irrigation district representative.
- 3) A SCWA staff member and one representative from the SCWA Advisory Commission are assigned to assist and advise Water Policy Committee members, and to provide the administrative services needed to conduct meetings.
- 4) In January of each year the Board adopts an annual meeting schedule for the Water Policy Committee that calls for at least one scheduled meeting every four months (quarterly meetings). The committee may elect to cancel one or more quarterly meetings, or to meet more frequently. However, for planning purposes, unless cancelled or otherwise rescheduled, quarterly meeting will occur on the date and time specified in the Board adopted meeting calendar (see attached spreadsheet for recommended "baseline" meeting schedule).

Pursuant to the aforementioned committee formation and meeting protocols, staff proposes the Legislative Committee meet the second Monday of February, the fourth Thursday of April, July and October; and that the Water Policy Committee meet the fourth Thursday of February, May, August, and the fifth Thursday of November. A proposed quarterly meeting schedule is attached.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The Board committee appointments are consistent with Goal #5 of the 2016-2025 Strategic Plan (*Provide and maintain communication of SCWA activities and responsibilities*), and more specifically, Objective A of Goal # 5 (*Develop an ongoing program to keep Board members informed of SCWA responsibilities as well as regional, state and federal issues impacting SCWA—high priority objective*)

Recommended: 
Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

Proposed "Baseline" Committee Meeting Schedule for 2017

<i>Legislative Committee</i>		<i>Water Policy Committee</i>		
Jan	-		-	
Feb	13		23	
Mar	-		-	
Apr	27		-	
May	-		25	
Jun	-		-	
July	27		-	
Aug	-		24	
Sep	-		-	
Oct	26			
Nov			30	
Dec				

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 12, 2017

SUBJECT: Putah South Canal Siphon Inspections

RECOMMENDATIONS:

- (1) Authorize General Manager to execute \$102,555 contract with Global Diving & Salvage, Inc. to conduct remotely operated vehicle inspections of the three largest siphons on the Putah South Canal.
- (2) Authorize General Manager – at the General Manager’s discretion – to execute a contract amendment for up to \$30,000 should additional, currently unforeseen, scope of work activities become necessary and/or desirable.

FINANCIAL IMPACT:

Sufficient funding has been included for the FY 2016-2017 Solano Project O&M budget for this contract and if necessary, a contract amendment of up to \$30,000.

BACKGROUND:

The 33-mile-long Putah South Canal (PSC) was built in the late 1950’s and is a key component of the Solano Project (Lake Berryessa/Monticello Dam). Water stored in Lake Berryessa is delivered to Solano County via the PSC. The PSC is owned by the United States Bureau of Reclamation (Reclamation). The Solano County Water Agency (SCWA) is responsible for operation and maintenance of the PSC pursuant to an agreement with Reclamation. SCWA subcontracts with the Solano Irrigation District (SID) to operate and maintain the PSC facilities.

☒ Continued on Next Page

Recommended:


Roland Sanford, General Manager

☐ Approved as recommended ☐ Other (see below)

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 12, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

Much of the PSC consists of an open, concrete-lined ditch. However, portions are comprised of buried pipe – siphons - that range in length from a few hundred feet to nearly one mile. The three longest siphons; Rockville, Mangels and Green Valley, range from 1,500 to 5,200 feet in length. For the most part, the PSC is gently sloped to allow water to flow via gravity along the entire length of the canal. In those few areas where the topography does not allow for a gently sloped open canal – interviewing “low” spots along the canal route - a siphon is used to convey canal waters. As a general rule, the siphons are prone to sedimentation and/or the accumulation of debris – rocks, rubbish, shopping carts, and sediment originating from the canal banks or entering at the canal headworks. Siphon cleaning is typically difficult and challenging from a personnel safety perspective, particularly toward the downstream end of the canal, where the siphons are of smaller diameter and not readily accessible by divers. The two longest siphons; Mangels and Green Valley, have never been inspected or cleaned.

Within recent years the ability to convey water through the Mangels and Green Valley siphons has decreased noticeably. While accumulated sediment and debris is the suspected cause, there are also concerns about the integrity of the siphons themselves, simply because both, like the entire Solano Project, are nearly 60 years old and in the case of the Green Valley siphon, cross the Cordelia earthquake fault line.

Staff requested bids from four firms to inspect the Rockville, Mangels and Green Valley siphons using remotely controlled cameras. One firm choose not to respond, two firms submitted bids that were deemed inadequate – poor understanding of what amounts to a complex project – leaving one creditable bid, which was submitted by Global Diving & Salvage, Inc. of Seattle, Washington, and their subcontractor; SeaView Systems, Inc. of Michigan. Staff recommends SCWA contract with Global Diving & Salvage, Inc. for the inspection of the Rockville, Mangels and Green Valley siphons. A copy of the Global Diving & Salvage, Inc. proposed scope of work and cost estimate is attached.

While every effort is being taken to carefully plan and prepare for the inspection, given the uncertainties – two of the three siphons have never been inspected and clearly display some degree of flow impediment – it is quite possible that unforeseen complications will arise that justifiably warrant a contract amendment. Because a significant portion of the project cost is attributable to mobilization/demobilization of equipment, in the event of some unforeseen complication that warrants additional investigation or cost, it makes sense to do the additional work immediately, rather than remove the equipment and schedule a second site visit – hence the recommendation to authorize the General Manager to execute a contract amendment of up to \$30,000, if deemed appropriate by the General Manager.

The inspection results will be used to determine the need for and projected cost of subsequent repairs and/or cleaning operations.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN

The proposed Putah South Canal Siphon Inspections project is consistent with Goal #2 of the 2016-2025 Strategic Plan (*Optimize the use of SCA managed infrastructure*), and more specifically, Objective C of Goal # 2 (*Inventory facilities and their operational status – medium priority objective*) and Objective D of Goal # 2 (*Identify and evaluate needs for infrastructure improvement – medium priority objective*)



GLOBAL
Diving & Salvage, Inc.

Remotely Operated Vehicle Inspection of the PUTAH SOUTH CANAL SIPHONS



3840 W Marginal Way SW • Seattle, WA 98106 • WWW.GDIVING.COM • 24 Hr: (206) 623-0621 • Fax: (206) 932-9036



Association of
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Proposal

1 Executive Summary

Global Diving & Salvage, Inc. is one of the few full-service underwater marine contractors that can provide project management, in-house engineering, marine and upland environmental services, and the full spectrum of commercial diving and ROV services.

SeaView Systems, Inc. is a Michigan based provider of underwater technology solutions. In 2003, SeaView performed their first long distance pipeline inspection (42" x 4,500ft through a 32" butterfly valve). Since then they have performed 40+ tunnel and pipeline inspections. Their's is a mature service and one that we believe is well suited to the Dept. of Reclamation's stated requirements.

In the last three years, SeaView has been involved in the inspection and remediation of New York City aqueduct system as well as performing inspections of potable water siphons and desalination plants.

SeaView proposes to use a SAAB Seaeye Falcon ROV with power supplies modified for performing tunnel investigations over a 6,000ft umbilical cable fitted with optical fiber electronics, 1080P HD camera with parallel scaling lasers and 40,000 lumens of LED illumination (all of which are SeaView's in-house developed products). It will also carry three other SD color cameras. All video channels are recorded and archived using a state-of-the-art inspection computer that also generates investigation logs during the inspection.

Other survey data includes that from a profiling sonar and an accurate umbilical penetration distance counter. Penetration distance data is displayed on all video streams as Station Position and embedded into the profiling sonar dataset creating a three-dimensional data set. Their equipment is dedicated to the inspection of potable water and raw water conduits and are never used in raw sewerage applications.

SeaViews operators and clients view the operation in a well-equipped and comfortable 16ft covered trailer. Video is displayed over a suite of video screens ranging from a 32" monitor for the 1080P camera to six 22" monitors.

The deliverables consist of a detailed written report as well as an installable viewer that permits the end user to view all video data in relation to the investigation logs. Sonar data is displayed both as scaled cross sections in the written report and in a proprietary three-dimensional viewer "3DPipeWalk." All of these items have been developed over eleven years of experience enabling SeaView to provide an excellent service.

SeaView is a small business with seven employees in total. Either of the principles, Matthew Cook and Geoff Cook, will be involved with the execution of this project along with others. Individually or together, Matthew and Geoff have supervised the entire 40+ pipeline and tunnel inspections that SeaView has performed as a company.

The inspection plan is configured to allow time to perform a thorough investigation of all parts of the entire scope of work.

SeaView is confident that the service proposed herein, when provided with the optional Chiton Control System represents a world-class solution to tunnel and pipeline inspection and will be performed by some of the most experience ROV tunnel and pipeline inspection technicians in the country. This combination will ultimately leave the Bureau of Reclamation satisfied they have received a great return for their infrastructure investment.



2 Experience

SeaView Systems has been operating in the field of performing robotic pipeline and tunnel investigations since 2002. In that time, we have performed approximately 40 pipeline and tunnel inspections. Some of the inspections SeaView has performed that have dealt with 48inch and larger pipelines and tunnels include:

Date	Description	Client	Value
Apr 2006	Lake San Marcos aqueduct inspection	SDCWA	\$27,000
Feb 2007	Mamquam Dam Hydroelectric system, British Columbia, Canada. 9000ft	Epcor Energy	\$50,000
Jun 2007	Helsinki Aqueduct, Helsinki, Finland, 8000ft	City of Helsinki	\$80,000
Oct 2007	Fort Peck Dam Hydro-electric system. 4 tunnels x 2500ft	US Corp. of Engineers	\$60,000
Jul 2008	Hartford Storm Sewer, Hartford, CT, USA, 9000ft	City of Hartford	\$20,000
Jun 2009	Gold Coast Desalination Plant, Intake/Outfall baseline inspections, Gold Coast, Australia, 7500ft	Veolia Water	\$80,000
Jun 2010	Gold Coast Desalination Plant, Intake/Outfall inspections, Gold Coast, Australia, 7500ft	Veolia Water	\$80,000
August 2010	Sydney Desalination Plant, Intake/Outfall inspections, Gold Coast, Australia, 8500ft	Veolia Water	\$80,000
Jan-Nov 2011	Inspection and remediation Shaft 19 (At 18ft diameter, this is probably the largest diameter tunnel that SeaView has inspected).	NYCDEP	\$1,350,000
April 2013	Gold Coast Desalination Plant, Intake/Outfall inspections, Gold Coast, Australia, 7500ft	Veolia Water	\$80,000
May 2013	West Haven Syphon inspection	RWA Connecticut	\$20,000
June 2014	Rondout and Warkill shaft inspections	NYCDEP	\$27,000

In the last three years, we have been involved in the following projects of similar nature:

Date	Description	Client Contact	Value
April 2013	Gold Coast Desalination Plant, Intake/Outfall inspections, Gold Coast, Australia, 7500ft x 6.5ft 3 channel video, profiling sonar and umbilical count.	Prime Contractor: Mr. Bill Bulloch ROV Downunder Email: billbulloch7@gmail.com Phone: +61 400633695	\$80,000
May 2013	Maltby Lakes to the Wepawaug Reservoirs tunnel, 10,600ft x 48 pre-stressed concrete. 3 channel video, profiling sonar and umbilical count.	Larry Lawrence J. Marcik, Jr., P.E. Project Engineer Regional Water Authority of SE Connecticut Email: lmarcik@rwater.com Phone: (203) 401-6709	\$20,000
June 2014	Rondout and Warkill shaft inspections. New York City Dept. of Environmental Protection.	Prime Contractor:	\$27,000

	<p>3 channel video. Camera on flexible extension to look about the back of valve.</p> <p><i>This is the only project that the inspection ROV has been used on over the last 6 months. The water medium was raw water prior to purification. The vehicle was used for approximately 8hrs.</i></p>	<p>Mr. James Clark</p> <p>Director, diving division</p> <p>JF White Contracting Co.</p> <p>Email: jclark@jfwhite.com</p> <p>Phone: (617) 454-1651</p>	
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The experience of the operators performing similar projects who will be used on this project is as follows:

Matthew Cook President/CEO	<p>NYCDEP tunnel inspections at base of Shaft 19 in September 2011. In last two years, Matthew's duties have either been with offshore ROV work or office work. Previous experience, prior to the last 3 years, includes some 30+ tunnel inspections including inspection of SDCWA Lake San Marcos Aqueduct system and is known to SDCWA from 2006.</p>
Geoff Cook Operations Manager	<p>Geoff has been with SeaView since 2008. He has performed some 15+ tunnel and pipeline inspections.</p> <p>5 similar projects in the last 3 years include: NYCDEP tunnel inspections at base of Shaft 19 in September 2011 Gold Coast Desalination Plant intake tunnel Maltby Lakes to the Wepawaug Reservoirs tunnel in May 2013 Hardy Dam in July 2013 Rondout and Warkill shaft inspections in June 2014</p>
Darren Linderman ROV Pilot/Tech	<p>Darren has been with SeaView since 2011. He has performed 7+ tunnel and pipeline inspections.</p> <p>5 similar projects in the last 3 years include: NYCDEP tunnel inspections at base of Shaft 19 in September 2011 Gold Coast Desalination Plant intake tunnel Maltby Lakes to the Wepawaug Reservoirs tunnel in May 2013 Hardy Dam in July 2013 Rondout and Warkill shaft inspections in June 2014</p>

3 Proposed Work Plan

3.1 Equipment

3.1.1 Equipment Loadout List

- Seaeye Falcon (fiber optic)
- Imagenex 881a Profiling sonar
- Imagenex 881a Imaging Sonar
- External Lighting: 300 watts
- DigitalEdge DVR – 3 Channel (Video, sonarx2)
- Color Cameras: Outland Technology
- 10000ft Fiber Umbilical on winch's Minimum Loadout Recommendation

3.2 The ROV

The siphon investigation will be performed using SeaView Systems' Seaeye Falcon ROV. This system uses fiber optic technology, 3km fiber optic umbilical/spool system and an in-house developed surface power supply system to enable us to perform very long distance tunnel and pipeline penetrations (>3km) while recording a large amount of video and sonar data.

The system has been proven over many projects. Though it has proven to be a very reliable system, we carry a very full inventory of spares for the system should any breakdown occur.



3.3 Video

The ROV will carry three standard definition cameras which will be recorded simultaneously.

All cameras will be recorded on a DigitalEdge digital video recorder (DVR). In addition to recording video, the DVR has the ability to record features observed along the investigation. This is done by clicking a set of 10 pre-set buttons e.g.: radial crack, longitudinal crack, spalling, efflorescence. etc.

One senior technician will be responsible for providing an ongoing commentary and for operating the DVR in order to record a thorough investigation log.

3.4 Lights

A key to providing excellent video quality is to provide very bright illumination from an offset source. SeaView proposes to integrate 300 watt dimmable LED lamps. Mounted on the bottom corners of the ROV and shining outwards, these lights will provide full illumination of the 72" and 78" siphons..

3.4.1 Digital Video Recorder

SeaView uses a DigitalEdge (www.digitaledgesubsea.com) state-of-the-art Digital Video Recorder (DVR) with inbuilt feature eventing and data logging functionality.

Features of the DVR include:

3.4.2 Eventing

During the dive, the user inputs events in the EdgeDVR either by simply clicking on an event button, or by typing a manual input. The event buttons can be easily edited/changed by the user. The event button configuration can be stored and loaded at any point during the inspection.

3.4.3 Automatic Log Creation

During normal ROV or diving operations, the user logs events, starts/stops video, takes photos etc. These events go into the EdgeDVR log. These are then converted to Excel logs at the end of each dive or at a convenient time.

The EdgeDVR automatically produces dive, photo, video and anomaly logs.

3.4.4 Video Format

Digital Edge Subsea produces video recording and inspection systems specifically for the subsea industry. Our leading product is the EdgeDVR-HD, which is capable of recording one channel of HD and up to three channels of SD simultaneously. Originally, the EdgeDVR-HD recorded using the H.264 video codec; however, it was found that all too often end clients were unable to play the video unless they downloaded a codec pack. As the client is often a major oil company with a highly secured IT system, users cannot often install a codec pack so cannot play the video. For this reason, the EdgeDVR-HD moved to using the VC-1 codec with the Windows Media Video (WMV) container. This means the video recorded using the EdgeDVR-HD can be played on any Windows PC, with no need to install anything, currently over 91% of desktop computer systems worldwide. Clients can now play their video with no extra software and clips can be passed throughout the company with the same confidence that they will be playable as when VHS or DVDs were used.

3.4.5 Built-in HD Video Overlay

The EdgeDVR-HD includes a built in multi-channel digital video overlay for both HD and SD.

There is an independent video overlay and header for each video channel, with the option of displaying inspection work pack information.

The overlay is easy to use, with drag and drop fields and the ability to save and open overlay configurations.

Any RS-232/survey data (Heading, Depth, GPS etc.) can be displayed on the digital video overlay and can be recorded into the dive, photo, video and anomaly logs.

Using a built-in digital video overlay means there are fewer components that reduce both cost and failure points, which in turn could possibly reduce downtime.

3.4.6 Combined HD and SD Capability

It is rare for an ROV to have only an HD camera installed. Often there will also be a low light black and white SD camera. The SD camera offers the benefit of having a wider field of view so can give an overview. It is useful to have the option of recording either or both cameras simultaneously. Our leading model ROV

DVR can display and record (main video, video clips and blackbox) one HD and up to three SD cameras simultaneously. You also have the option, for example, of carrying out a pipeline inspection displaying and recording three videos with the center HD video and two SD videos. Of course, the DVR is configurable to use three SD video channels if desired.

3.4.7 Sonar

The ROV will carry an 881a profiling sonar. Operating at 1 MHz, this sonar provides resolution to approximately 0.08". We have developed software to enable us to embed penetration distance derived from the umbilical line counter, and to embed that dimension into the sonar data record creating a three dimensional data set (X & Y from the sonar, Z from the line counter).

3.4.8 Control Trailer

Our operators and clients view the operation in a well-equipped and comfortable 16ft covered trailer. Video is displayed over a suite of video screens ranging from a 32" monitor for the 1080P camera to six 22" monitors. All computers and electronics are housed in 19" racks. The trailer is appropriately heated or cooled.

Power is provided by a 6.6kw diesel generator.



4 Work Schedule

4.1 Inspection Plan:

Global Diving & Salvage and SeaView will develop an inspection plan working closely with SCWA. The inspection will include order of inspection, inspection plan and allowable flows through the siphons. We anticipate 1 day each for the inspections.

ROV inspection schedule will include plans for notification of the agency prior to inspection to arrange a shutdown of the facilities. The shutdown request will include the length of time required for shutdown to complete the inspection.

4.2 Workshop Setup: Work start immediately upon receipt of Notice to Proceed.

- Assemble, Test and prepare for shipping including 100% redundant spares

4.3 Mobilization:

SeaView will mobilize two personnel from their office in Dexter, MI. One technician will drive our F450 crane utility truck and 16ft control trailer the 2400 miles to the Fairfield area. The other technician will fly to San Francisco and will get picked up. Global Diving & Salvage will provide two tenders to assist with umbilical handling. Global will also provide a boom truck to assist with lowering and recovery of the ROV system.

4.4 Setup equipment at Mare Island

Time to execute: 1 day

- Set up and Test function equipment after travel.

4.4.1 Inspection of Green Valley Siphon

Global and Seaview will mobilize to the open cut reservoir at the downstream end of the Green Valley Siphon and set up. A boom truck will also be stationed at the edge of the reservoir to insert the ROV and recover it. The ROV station will be set up in a trailer on the bank. The ROV will inspect the siphon and conduct a video and sonar inspection of the full 5,060 foot length of the siphon or until an obstruction prevents forward progress. Three channels will be recorded, both sonars and the video camera. This will allow for continuous recording of the imaging and profiling sonar data. The distance of penetration will also be displayed in station number.

4.4.2 Inspection of Rockville Siphon

Global and Seaview will mobilize to the open cut canal at the downstream end of the Rockville Siphon and set up. A boom truck will also be stationed at the edge of the reservoir to insert the ROV and recover it. The ROV station will be set up in a trailer on the bank. The ROV will inspect the siphon and conduct a video and sonar inspection of the full 2,339 foot length of the siphon or until an obstruction prevents forward progress. Three channels will be recorded, both sonars and the video camera. This will allow for continuous recording of the imaging and profiling sonar data. The distance of penetration will also be displayed in station number.

4.4.3 Inspection of Mangels Siphon

Global and Seaview will mobilize to the open cut canal at the downstream end of the Siphon and set up. A boom truck will also be stationed at the edge of the canal to insert the ROV and recover it. The ROV station will be set up in a trailer on the bank. The ROV will inspect the siphon and conduct a video and sonar inspection of the full +/- 1,700 foot length of the siphon or until an obstruction prevents forward progress. Three channels will be recorded, both sonars and the video camera. This will allow for continuous recording of the imaging and profiling sonar data. The distance of penetration will also be displayed in station number.

4.5 Demob

All personnel will demob upon completion of inspection and deliverables will be started.

4.6 Report

- The Report will consist of both a written document and an electronic viewer that may be installed on any PC computer. For an example of a report and inspection video, go to:
www.seaviewsystems.com/services/reports/4-dimensional-reports/
- Written report of the work including documentation of all anomalies and pipe diameter measurements. Draft of report will be submitted for review within 2 weeks of completion of inspection. Report is to include detailed still images of typical and major anomalies.
- Draft report will be delivered to the Engineer. The draft report will include both a written report (hard and electronic copies) and one removable external hard drive. For security, all video data will be archived at Global's premises.
- A written description of the inspection will be provided along with any major findings.
- Investigation Logs will be provided listing all anomalies and features observed along the course of the investigation.
- A software viewing program (installable onto a PC computer) will be provided to allow the all video and investigation logs to be viewed in one place. The viewer will give the end-user full access to all of the recorded video and inspection logs in a convenient format. Video will be recorded to an external hard drive and be provided along with the written report as part of the deliverable.
- Provide the final written report with all Client comments incorporated.
- Plots of screenshots of sonar data will be provided showing sediment depth (if any).
- The profiling sonar data for the horizontal section of tunnel will be processed and placed in SeaView's proprietary sonar data viewer "3D PipeWalk."

5 Pricing

Task	Description				
1	Mobilization / Demobilisation	Lump Sum	1	\$ 48,905.00	\$ 48,905.00
2	Inspect Green Valley Siphon	Lump Sum	1	\$ 14,000.00	\$ 14,000.00
3	Inspect Rocville Siphon	Lump Sum	1	\$ 13,375.00	\$ 13,375.00
4	Inspect Mangels Siphon	Lump Sum	1	\$ 13,375.00	\$ 13,375.00
5	Inspection Day Rate - Optional	Day Rate		\$ 13,375.00	
6	Stand By Rate – If Required	Day Rate		\$ 5,315.00	
7	Reports or Deliverables	Lump Sum	1	\$12,900.00	\$ 12,900.00
	Total				\$ 102,555.00