

# SOLANO COUNTY WATER AGENCY



## BOARD OF DIRECTORS:

### **Chair:**

*Mayor Harry Price*  
City of Fairfield

### **Vice Chair:**

*Director Dale Crossley*  
Reclamation District No. 2068

*Mayor Jack Batchelor*  
City of Dixon

*Mayor Osby Davis*  
City of Vallejo

*Supervisor Erin Hannigan*  
Solano County District 1

*Mayor Steve Hardy*  
City of Vacaville

*Director John D. Kluge*  
Solano Irrigation District

*Mayor Elizabeth Patterson*  
City of Benicia

*Mayor Norm Richardson*  
City of Rio Vista

*Director Gene Robben*  
Maine Prairie Water District

*Mayor Pete Sanchez*  
City of Suisun City

*Supervisor Linda Seifert*  
Solano County District 2

*Supervisor Jim Spering*  
Solano County District 3

*Supervisor Skip Thomson*  
Solano County District 5

*Supervisor John Vasquez*  
Solano County District 4

## GENERAL MANAGER:

*David Okita, PE*  
Solano County Water Agency

## BOARD OF DIRECTORS MEETING

**DATE:** Thursday, October 9, 2014

**TIME:** 6:30 p.m. (Note: There is a Solano Water Authority meeting to follow)

**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. CONSENT ITEMS**

(A) Minutes: Approval of the Minutes of the Board of Directors meeting of September 11, 2014 is recommended.

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

(C) Authorize Purchase Order to Procure a Portable Bulkhead for Putah Diversion Dam Maintenance: Authorize General Manager to execute a purchase order with Hogan Mfg., Inc. in the amount of \$257,665 to manufacture a portable floating bulkhead necessary to preform required maintenance at the Putah Diversion Dam.

(D) 2014/2015 Quagga/Zebra Mussel Infestation Prevention Fee Grant Program:

1. Approve Resolution 2014-4 to apply for grant funding under the Quagga and Zebra Mussel Infestation Prevention Grant Program.

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



2. Authorize staff to apply for grant funding to expand the SCWA Lake Berryessa Outreach Program.
3. Authorize SCWA to apply and be fiscal agent for grant funding for an Early Detection and Education Plan for Quagga/Zebra Mussels on behalf of the Westside Integrated Regional Water Management Region.

(E) Authorize Agreement with CDM Smith for the NBA Capacity Reclamation Project-Phase 2: Authorize General Manager to execute agreement with CDM Smith for the NBA Capacity Reclamation Project – Phase 2, costing \$123,405. The project is jointly funded with Napa County at a cost-share of 38% Napa County and 62% SCWA.

**6. BOARD MEMBER REPORTS**

RECOMMENDATION: For information only.

**7. GENERAL MANAGER'S REPORT**

RECOMMENDATION: For information only.

**8. BUDGET PROJECTIONS AND RESERVE FUND POLICY**

RECOMMENDATIONS:

1. Approve format for budget projections to be used in future budgets.
2. Approve modifications to the Reserve Fund Policy.

**9. DELTA ISSUES**

RECOMMENDATION: Hear report from Supervisor Thomson on the activities of the Delta Counties Coalition and the Delta Protection Commission.

**10. RECRUITMENT FOR GENERAL MANAGER POSITION**

RECOMMENDATIONS:

1. Authorize staff to issue a Request for Proposal to executive search companies for recruitment of a new General Manager.
2. Direct SCWA Executive Committee to screen proposals and make a recommendation to the Board on an executive search company for a decision at a future Board meeting.

**11. TIME AND PLACE OF NEXT MEETING**

Thursday, November 13, 2014 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](http://www.scwa2.com).***

# CONSENT ITEMS

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

**MEETING DATE: September 11, 2014**

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

Mayor Jack Batchelor, City of Dixon  
Mayor Harry Price, City of Fairfield  
Mayor Elizabeth Patterson, City of Benicia  
Mayor Steve Hardy, City of Vacaville  
Mayor Osby Davis, City of Vallejo  
Mayor Pete Sanchez, City of Suisun City  
Mayor Norm Richardson, City of Rio Vista  
Supervisor Hannigan, Solano County District 1  
Supervisor Linda Seifert, Solano County District 2  
Supervisor John Vasquez, Solano County District 4  
Supervisor Skip Thomson, Solano County District 5  
Director J. D. Kluge, Solano Irrigation District  
Manager Don Holdener, Maine Prairie Water District  
Director Dale Crossley, Reclamation District 2068

**CALL TO ORDER**

The meeting was called to order at 6:30 P.M. by Chairman Price. A moment of silence was held honoring the victims of the September 11 attack.

**APPROVAL OF AGENDA**

On a motion by Supervisor Vasquez and a second by Mayor Patterson the Board unanimously approved the agenda.

**PUBLIC COMMENT**

There were no public comments.

**CONSENT ITEMS**

On a motion by Supervisor Sanchez and a second by Mayor Richardson the Board unanimously approved Consent Items A through F.

- (A) Minutes
- (B) Expenditure Approvals
- (C) Water Management Plan Update
- (D) Bay Area Proposition 84 Regional Water Management Grant
- (E) Home Water Report Pilot Study
- (F) Dixon Redevelopment – Sale of Pardi Site

**BOARD MEMBER REPORTS**

Mayor Patterson introduced the new Public Works Director for the City of Benicia, Graham Wadsworth.

**GENERAL MANAGER'S REPORT**

Manager Okita discussed landscape rebate program statistics including a cumulative savings of over 6 million gallons of water saved which are permanent benefits. The

Agency also provides rebates for high efficiency toilets and washers which also have permanent benefits.

### **LOWER SACRAMENTO/DELTA NORTH REGIONAL FLOOD MANAGEMENT PLAN**

Ric Reinhart from MBK Engineers gave a presentation on the Lower Sacramento/Delta North Regional Flood Management Plan (Regional Plan). Legislation required DWR to prepare a Central Valley Flood Protection Plan. When the Central Valley Flood Protection Board adopted the Plan in 2012, they asked for greater involvement from local communities in the Central Valley when the Plan is updated in 2017. DWR set up a grant program to provide State funding to support development of regional flood management plans.

The Central Valley planning area is divided into six regions. The Lower Sacramento/Delta North Region has developed the Regional Plan with an emphasis on aligning Regional Plan projects with State interests to better secure State funding. The Regional Plan was published on July 21, 2014 with a recommendation for 116 regional flood improvement projects.

As part of the Regional Plan process it was realized that local communities need to ensure their interest are addressed in light of the larger Federal and State goals for both flood control and habitat projects. An Integrated Water Management Plan is being developed to address these issues.

On a motion from Supervisor Seifert and a second from Mayor Richardson the Board approved Resolution 2014-3 in support of the Regional Flood Management Plan.

### **DELTA ISSUES**

Supervisor Thomson reported on the activities of the Delta Counties Coalition and referenced the letter from EPA on BDCP. Supervisor Seifert reported the Delta Coordination Working Group will be preparing a proposal for recasting the Working Group to be presented to the Board at a future meeting.

### **TIME AND PLACE OF NEXT MEETING**

The next regularly scheduled meeting will be Thursday, October 9, 2014 at 6:30 P.M. in the Monticello Room located at the Solano County Water Agency offices.

### **ADJOURNMENT**

This meeting of the Solano County Water Agency Board of Directors was adjourned at 7:50 P.M.

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David B. Okita, General Manager  
and Secretary to the Board of Directors of the  
Solano County Water Agency

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:**       **October 9, 2014**

**SUBJECT:**   **Expenditures Approval**

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RECOMMENDATION:

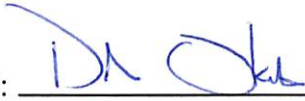
Approve expenditures from the Water Agency checking accounts for the month of September, 2014.

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 September, 2014. Additional backup information is available upon request.

Recommended:   
David B. Okita, General Manager

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☐ Approved as  
recommended

☐ Other  
(see below)

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Modification to Recommendation and/or other actions:

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I, David B. Okita, 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 October 9, 2014 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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David B. Okita  
General Manager & Secretary to the  
Solano County Water Agency

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
For the Period From Sep 1, 2014 to Sep 30, 2014

Filter Criteria includes: Report order is by Check Number. Report is printed in Detail Format.

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
9/2/14	100165	2023AC 1020SC	FSA REMIBURSEMENT SEPTEMBER 2014 PATE, THOMAS	100.00	100.00
9/3/14	24785	2020SC 1020SC	Invoice: 449174 SWRCB	969.00	969.00
9/3/14	24786	2020SC 1020SC	Invoice: US0131108497 ERNST & YOUNG LLP - 072	2,592.00	2,592.00
9/3/14	24786V	2020SC 1020SC	Invoice: US0131108497 ERNST & YOUNG LLP - 072	2,592.00	2,592.00
9/3/14	24787	2020SC 1020SC	Invoice: POLICY YEAR 2014-15 ACWA/JPIA POWER INSURANCE AUTHORITY	44,711.00	44,711.00
9/3/14	24788	2020SC 1020SC	Invoice: 102 AD CONSULTANTS	4,140.00	4,140.00
9/3/14	24789	2020SC 1020SC	Invoice: 1748499 AMERICAN TOWER CORPORATION	514.07	514.07
9/3/14	24790	2020SC 1020SC	Invoice: 1040538 ARAMARK REFRESHMENT SERVICES	16.47	16.47
9/3/14	24791	2020SC 1020SC	Invoice: 154829 AYRES ASSOCIATES	7,385.25	7,385.25
9/3/14	24791V	2020SC 1020SC	Invoice: 154829 AYRES ASSOCIATES	7,385.25	7,385.25
9/3/14	24792	2020SC 1020SC	Invoice: 0070985 BSK ASSOCIATES	1,573.00	1,573.00
9/3/14	24793	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 15903 Invoice: 15902 Invoice: 15898 Invoice: 15914 Invoice: 15917 Invoice: 15918 CENTRAL VALLEY EQUIPMENT REPAIR	198.00 544.50 635.63 277.20 2,938.90 2,128.50	6,722.73
9/3/14	24794	2020SC 1020SC	Invoice: 8/23/14 - 9/22/14 AT&T MOBILITY	139.83	139.83
9/3/14	24795	2020SC 1020SC	Invoice: 24566269-001 DAILY REPUBLIC, INC.	48.26	48.26
9/3/14	24796	2020SC 1020SC	Invoice: US0131108497 ERNST & YOUNG LLP - 072	2,592.00	2,592.00
9/3/14	24797	2020SC 1020SC	Invoice: 8-(14) DENNIS GRUNSTAD	880.00	880.00
9/3/14	24798	2020SC 1020SC	Invoice: CL62770 INTERSTATE OIL COMPANY	941.77	941.77
9/3/14	24799	1020SC	VOID		
9/3/14	24800	2020SC 1020SC	Invoice: 129438 MARTIN'S METAL FABRICATION &	641.86	641.86
9/3/14	24801	2020SC 1020SC	Invoice: 128789 S&J ADVERTISING, INC.	395.00	395.00
9/3/14	24801V	2020SC 1020SC	Invoice: 128789 S&J ADVERTISING, INC.	395.00	395.00
9/3/14	24802	2020SC 2020SC 1020SC	Invoice: 42496815 Invoice: 42494073 SBS LEASING A PROGRAM DE LAGE	77.67 980.93	1,058.60
9/3/14	24803	2020SC 1020SC	Invoice: 11192232 SUTTER MEDICAL FOUNDATION	65.00	65.00
9/3/14	24804	2020SC 1020SC	Invoice: 20919-36 THE REGENTS OF THE UNIVERSITY OF CA	3,265.39	3,265.39

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9/3/14	24805	2020SC 1020SC	Invoice: TURF REBATE - BENNET TURF REBATE	1,000.00	1,000.00
9/3/14	24806	2020SC 2020SC 1020SC	Invoice: 85028 Invoice: 85315 GHD, INC.	294.75 12,483.25	12,778.00
9/3/14	24807	2020SC 1020SC	Invoice: SEPTEMBER 2014 CLEAN TECH ADVOCATES	5,400.00	5,400.00
9/3/14	24808	2020SC 1020SC	Invoice: 131781 LSA ASSOCIATES, INC.	18,458.54	18,458.54
9/3/14	24809	2020SC 1020SC	Invoice: TURF REBATE - HUCKEB TURF REBATE	1,000.00	1,000.00
9/3/14	24810	2020SC 1020SC	Invoice: TURF REBATE - BURTON TURF REBATE	553.00	553.00
9/3/14	24811	2020SC 1020SC	Invoice: TURF REBATE - NAGY TURF REBATE	585.00	585.00
9/3/14	24812	2020SC 2020SC 1020SC	Invoice: 154829 Invoice: 154830 AYRES ASSOCIATES	7,385.25 1,848.29	9,233.54
9/3/14	24813	2020SC 2020SC 2020SC 1020SC	Invoice: 128789 Invoice: 128788 Invoice: 128790 S&J ADVERTISING, INC.	395.00 395.00 379.00	1,169.00
9/9/14	24814	2020SC 1020SC	Invoice: 0308438 CB&T/ACWA-JPIA	1,536.36	1,536.36
9/9/14	24815	2020N 1020SC	Invoice: 0146383-IN AM CONSERVATION GROUP, INC.	3,471.42	3,471.42
9/9/14	24816	2020SC 1020SC	Invoice: 7000843219 AMERICAN WATER WORKS ASSOCIATION	244.00	244.00
9/9/14	24817	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: BA3597 Invoice: BA3598 Invoice: BA3599 Invoice: BA3600 BLANKINSHIP & ASSOCIATES, INC.	2,500.00 1,166.67 2,766.67 2,333.33	8,766.67
9/9/14	24818	2020SC 1020SC	Invoice: 0069993 BSK ASSOCIATES	435.00	435.00
9/9/14	24819	2020SC 1020SC	Invoice: 10162789 CALPERS LONG-TERM CARE PROGRAM	1,561.00	1,561.00
9/9/14	24820	2020SC 2020SC 1020SC	Invoice: 871824 Invoice: 871822 CENTRAL AUTO PARTS	187.99 178.35	366.34
9/9/14	24821	2020SC 1020SC	Invoice: 4001550 CH2M HILL	47,408.10	47,408.10
9/9/14	24822	2020SC 1020SC	Invoice: IN-1140871883 COAST RADIO COMPANY, INC	2,070.00	2,070.00
9/9/14	24823	2020SC 1020SC	Invoice: AR3165 CONTRA COSTA WATER DISTRICT	54,199.63	54,199.63
9/9/14	24824	2020N 2020N 1020SC	Invoice: 29799 Invoice: 29798 ELECTRIC & GAS INDUSTRIES ASSOC.	1,598.85 15,566.70	17,165.55
9/9/14	24825	1020SC	VOID		
9/9/14	24826	2020SC 1020SC	Invoice: US0131097854 ERNST & YOUNG LLP - 072	3,887.00	3,887.00
9/9/14	24827	2020SC	Invoice: 92863769	2,306.33	



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		1020SC	ENVIRONMENTAL SYSTEMS RESEARCH INSTITUT		2,306.33
9/9/14	24828	2020SC	Invoice: 74736	76.50	
		2020SC	Invoice: 74735	346.93	
		1020SC	HERUM \ CRABTREE \ SUNTAG		423.43
9/9/14	24829	2020SC	Invoice: 1316	4,925.00	
		1020SC	IRON SPRINGS CORPORATION		4,925.00
9/9/14	24830	2020SC	Invoice: APR - SEP 2014	65.71	
		1020SC	SANDRA MCLEAN		65.71
9/9/14	24831	2020SC	Invoice: 480314473	90.96	
		2020SC	Invoice: 480315368	122.94	
		2020SC	Invoice: 480316222	118.94	
		2020SC	Invoice: 480317123	94.96	
		1020SC	MISSION LINEN SUPPLY		427.80
9/9/14	24832	2020SC	Invoice: 5698499	10.20	
		2020SC	Invoice: 5688337	154.57	
		1020SC	QUILL CORPORATION		164.77
9/9/14	24833	2020SC	Invoice: 0831140228	471.25	
		1020SC	SHANDAM CONSULTING		471.25
9/9/14	24834	2020SC	Invoice: 36557	38.16	
		2020SC	Invoice: 36589	88.41	
		1020SC	SUISUN VALLEY FRUIT GROWERS AS		126.57
9/9/14	24835	2020SC	Invoice: TURF REBATE - ARMSTR	770.00	
		1020SC	TURF REBATE		770.00
9/9/14	24836	2020SC	Invoice: LPCCC-FY2014-15_1	3,401.62	
		2020SC	Invoice: SCWA-FY2014-15_1	10,327.78	
		1020SC	WILDLIFE SURVEY & PHOTO SERVICE		13,729.40
9/9/14	24837	2020SC	Invoice: 9841648	47.63	
		1020SC	ARAMARK REFRESHMENT SERVICES		47.63
9/9/14	24838	2020SC	Invoice: TURF REBATE - BUCKMA	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/9/14	24839	2020SC	Invoice: TURF REBATE - PEREZ	264.00	
		1020SC	TURF REBATE		264.00
9/9/14	24840	2020SC	Invoice: TURF REBATE - SHEELE	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/9/14	24841	2020SC	Invoice: TURF REBATE - JHURST	310.00	
		1020SC	TURF REBATE		310.00
9/9/14	24842	2020SC	Invoice: TURF REBATE - ROBINE	300.00	
		1020SC	TURF REBATE		300.00
9/9/14	24843	2020SC	Invoice: TURF REBATE - GAGLIA	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/9/14	24844	2020SC	Invoice: TURF REBATE - NEVEAD	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/9/14	24845	2020SC	Invoice: TURF REBATE - TROOP	975.00	
		1020SC	TURF REBATE		975.00
9/9/14	24846	2020SC	Invoice: TURF REBATE - FINK	224.00	
		1020SC	TURF REBATE		224.00
9/9/14	24847	2020SC	Invoice: TURF REBATE - DIOGO	593.00	
		1020SC	TURF REBATE		593.00
9/9/14	24848	2020SC	Invoice: TURF REBATE - MILBRY	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/9/14	24849	2020SC	Invoice: TURF REBATE - TSUEI	699.00	
		1020SC	TURF REBATE		699.00

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9/9/14	24850	2020SC 1020SC	Invoice: TURF REBATE - CRAIN TURF REBATE	1,000.00	1,000.00
9/9/14	24851	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 14-026-U SEP 2014 Invoice: 14-024-O SEP 2014 Invoice: 15-024-V JUL 2014 Invoice: 14-026-T SEP 2014 DEPARTMENT OF WATER RESOURCES	4,369.00 13,816.00 41,482.00 400,665.00	460,332.00
9/9/14	24852	2020SC 1020SC	Invoice: TURF REBATE - NELSON TURF REBATE	600.00	600.00
9/10/14	24853	2020SC 1020SC	Invoice: PROJECT FEE - MCCOY CALIFORNIA DEPT. OF FISH AND WILDLIFE	245.50	245.50
9/15/14	24854	2020SC 2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: EXEC MEET SEP 2014 Invoice: DELTA WG SEP 2014 JACK BATCHELOR	113.56 100.00 27.12	240.68
9/15/14	24854V	2020SC 2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: EXEC MEET SEP 2014 Invoice: DELTA WG SEP 2014 JACK BATCHELOR	113.56 100.00 27.12 240.68	
9/15/14	24855	2020SC 2020SC 1020SC	Invoice: 0071231 - MAY/JUNE Invoice: 0071231 - JULY/AUG BSK ASSOCIATES	7,010.75 7,634.50	14,645.25
9/15/14	24855V	2020SC 2020SC 1020SC	Invoice: 0071231 - MAY/JUNE Invoice: 0071231 - JULY/AUG BSK ASSOCIATES	7,010.75 7,634.50 14,645.25	
9/15/14	24856	2020SC 1020SC	Invoice: SCWA ROUTINE MAINT CALIFORNIA DEPT. OF FISH AND WILDLIFE	1,473.00	1,473.00
9/15/14	24856V	2020SC 1020SC	Invoice: SCWA ROUTINE MAINT CALIFORNIA DEPT. OF FISH AND WILDLIFE	1,473.00	1,473.00
9/15/14	24857	2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: EXEC MEET SEP 2014 DALE CROSSLEY	100.00 100.00	200.00
9/15/14	24857V	2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: EXEC MEET SEP 2014 DALE CROSSLEY	100.00 100.00 200.00	
9/15/14	24858	2020SC 1020SC	Invoice: SEP 2014 PER DIEM OSBY DAVIS	129.38	129.38
9/15/14	24858V	2020SC 1020SC	Invoice: SEP 2014 PER DIEM OSBY DAVIS	129.38	129.38
9/15/14	24859	2020SC 1020SC	Invoice: 3624 EYASCO, INC.	26,350.00	26,350.00
9/15/14	24859V	2020SC 1020SC	Invoice: 3624 EYASCO, INC.	26,350.00	26,350.00
9/15/14	24860	2020SC 1020SC	Invoice: SEP 2014 PER DIEM DON HOLDENER	107.91	107.91
9/15/14	24860V	2020SC 1020SC	Invoice: SEP 2014 PER DIEM DON HOLDENER	107.91	107.91
9/15/14	24861	2020SC 2020SC 1020SC	Invoice: PS010717858 Invoice: PS010717859 HOLT OF CALIFORNIA	58.80 111.05	169.85
9/15/14	24861V	2020SC 2020SC 1020SC	Invoice: PS010717858 Invoice: PS010717859 HOLT OF CALIFORNIA	58.80 111.05 169.85	
9/15/14	24862	2020SC 1020SC	Invoice: CL64139 INTERSTATE OIL COMPANY	1,589.72	1,589.72

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9/15/14	24862V	2020SC 1020SC	Invoice: CL64139 INTERSTATE OIL COMPANY	1,589.72	1,589.72
9/15/14	24863	1020SC	VOID		
9/15/14	24864	2020SC 1020SC	Invoice: 12262 KC ENGINEERING COMPANY	320.00	320.00
9/15/14	24864V	2020SC 1020SC	Invoice: 12262 KC ENGINEERING COMPANY	320.00	320.00
9/15/14	24865	2020SC 1020SC	Invoice: SEP 2014 PER DIEM JOHN D. KLUGE	100.00	100.00
9/15/14	24865V	2020SC 1020SC	Invoice: SEP 2014 PER DIEM JOHN D. KLUGE	100.00	100.00
9/15/14	24866	2020SC 1020SC	Invoice: 14/15-DV MARINE SCIENCE INSTITUTE	1,052.00	1,052.00
9/15/14	24866V	2020SC 1020SC	Invoice: 14/15-DV MARINE SCIENCE INSTITUTE	1,052.00	1,052.00
9/15/14	24867	2020SC 1020SC	Invoice: C51281 MECOM EQUIPMENT, LLC	668.66	668.66
9/15/14	24867V	2020SC 1020SC	Invoice: C51281 MECOM EQUIPMENT, LLC	668.66	668.66
9/15/14	24868	2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: DELTA WG SEP 2014 ELIZABETH PATTERSON	133.90 116.95	250.85
9/15/14	24868V	2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: DELTA WG SEP 2014 ELIZABETH PATTERSON	250.85	133.90 116.95
9/15/14	24869	2020SC 1020SC	Invoice: 5-8770 RAMIREZ TOW	437.50	437.50
9/15/14	24869V	2020SC 1020SC	Invoice: 5-8770 RAMIREZ TOW	437.50	437.50
9/15/14	24870	2020SC 1020SC	Invoice: 36680635 RECOLOGY VACAVILLE SOLANO	125.38	125.38
9/15/14	24870V	2020SC 1020SC	Invoice: 36680635 RECOLOGY VACAVILLE SOLANO	125.38	125.38
9/15/14	24871	2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: DELTA WG SEP 2014 LINDA SEIFERT	100.00 100.00	200.00
9/15/14	24871V	2020SC 2020SC 1020SC	Invoice: SEP 2014 PER DIEM Invoice: DELTA WG SEP 2014 LINDA SEIFERT	200.00	100.00 100.00
9/15/14	24872	2020SC 2020SC 1020SC	Invoice: 0002552 Invoice: 0002551 SOLANO IRRIGATION DISTRICT	156.59 7,205.77	7,362.36
9/15/14	24872V	2020SC 2020SC 1020SC	Invoice: 0002552 Invoice: 0002551 SOLANO IRRIGATION DISTRICT	7,362.36	156.59 7,205.77
9/15/14	24873	2020SC 1020SC	Invoice: EXEC MEET SEP 2014 JAMES SPERING	100.00	100.00
9/15/14	24873V	2020SC 1020SC	Invoice: EXEC MEET SEP 2014 JAMES SPERING	100.00	100.00
9/15/14	24874	2020SC 1020SC	Invoice: TURF REBATE - MONTES TURF REBATE	1,000.00	1,000.00
9/15/14	24874V	2020SC 1020SC	Invoice: TURF REBATE - MONTES TURF REBATE	1,000.00	1,000.00

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9/15/14	24875	2020SC 1020SC	Invoice: 110840 VALLEY HYDRAULICS & MACHINE, INC.	87.07	87.07
9/15/14	24875V	2020SC 1020SC	Invoice: 110840 VALLEY HYDRAULICS & MACHINE, INC.	87.07	87.07
9/15/14	24876	2020SC 1020SC	Invoice: SEP 2014 PER DIEM JOHN VASQUEZ	100.00	100.00
9/15/14	24876V	2020SC 1020SC	Invoice: SEP 2014 PER DIEM JOHN VASQUEZ	100.00	100.00
9/15/14	24877	2020SC 1020SC	Invoice: 15-041-U SEPT 2014 DEPARTMENT OF WATER RESOURCES	250,000.00	250,000.00
9/15/14	24878	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 8014683 Invoice: 5010509 Invoice: 7011600 Invoice: 1026562 Invoice: 3010342 Invoice: 3010344 HOME DEPOT CREDIT SERVICE	52.73 66.79 167.08 21.54 85.24 36.80	430.18
9/15/14	24879	2020SC 1020SC	Invoice: PASS THRU #8 NAPA COUNTY FC&WCD	61,380.00	61,380.00
9/15/14	24879V	2020SC 1020SC	Invoice: PASS THRU #8 NAPA COUNTY FC&WCD	61,380.00	61,380.00
9/15/14	24880	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 166763 Invoice: 166753 Invoice: 166739 Invoice: 166898 Invoice: 167150 Invoice: 826848 Invoice: 167525 Invoice: 167321 Invoice: 167530 Invoice: 167431 Invoice: 168072 Invoice: 168070 Invoice: 168157 PACIFIC ACE HARDWARE	33.30 11.65 55.92 27.62 34.31 129.15 121.71 21.98 20.99 48.18 26.07 52.21 98.87	681.96
9/15/14	24881	1020SC	VOID		
9/15/14	24882	2020SC 1020SC	Invoice: 33896 SOUTHWEST ENVIRONMENTAL	62,384.00	62,384.00
9/15/14	24883	2020SC 1020SC	Invoice: 437 STUMPY TRUCKING, INC.	460.00	460.00
9/15/14	24884	2020SC 2020SC 2020SC 1020SC	Invoice: 12014002 Invoice: 12014001 Invoice: 12014301 THE TREMONT GROUP, INC.	460.08 104.48 60.88	625.44
9/15/14	24885	2020SC 1020SC	Invoice: TURF REBATE - HANSON TURF REBATE	1,000.00	1,000.00
9/15/14	24886	2020SC 2020SC 1020SC	Invoice: 461803 Invoice: 461804 M&M SANITARY LLC	192.00 357.60	549.60
9/15/14	24887	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC	Invoice: 641881 Invoice: 641801 Invoice: 641803 Invoice: 642359 Invoice: 642156 Invoice: 642976 Invoice: 643098 Invoice: 643008 Invoice: 642691 Invoice: 643201 Invoice: 642000	28.28 136.12 53.44 12.23 60.78 250.27 4.28 219.38 10.46 7.94	9.57

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		2020SC	Invoice: 643744	24.85	
		2020SC	Invoice: 642099	91.79	
		2020SC	Invoice: 643862	40.37	
		2020SC	Invoice: 643927	19.43	
		2020SC	Invoice: 643743	22.77	
		2020SC	Invoice: 644454	92.08	
		2020SC	Invoice: 644719	20.60	
		2020SC	Invoice: 644916	41.24	
		2020SC	Invoice: 644566	83.33	
		2020SC	Invoice: 642180		1.67
		1020SC	PISANIS AUTO PARTS		1,208.40
9/15/14	24888	1020SC	VOID		
9/15/14	24889	1020SC	VOID		
9/15/14	24890	2020SC	Invoice: TURF REBATE - HARDIN	300.00	
		1020SC	TURF REBATE		300.00
9/15/14	24891	2020SC	Invoice: TURF REBATE - ASCHEN	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/15/14	24892	2020SC	Invoice: TURF REBATE - RMILLE	921.00	
		1020SC	TURF REBATE		921.00
9/15/14	24893	2020SC	Invoice: TURF REBATE - TABLER	849.00	
		1020SC	TURF REBATE		849.00
9/15/14	24894	2020SC	Invoice: TURF REBATE - WATERS	500.00	
		1020SC	TURF REBATE		500.00
9/15/14	24895	2020SC	Invoice: TURF REBATE - RSMITH	987.00	
		1020SC	TURF REBATE		987.00
9/15/14	24896	2020SC	Invoice: TURF REBATE - STEWAR	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/15/14	24897	2020SC	Invoice: TURF REBATE - SMARTI	183.00	
		1020SC	TURF REBATE		183.00
9/15/14	24898	2020SC	Invoice: TURF REBATE - KONG	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/15/14	24899	2020SC	Invoice: TURF REBATE - CORDUC	930.00	
		1020SC	TURF REBATE		930.00
9/15/14	24900	2020SC	Invoice: SEP 2014 PER DIEM	113.56	
		2020SC	Invoice: EXEC MEET SEP 2014	100.00	
		2020SC	Invoice: DELTA WG SEP 2014	27.12	
		1020SC	JACK BATCHELOR		240.68
9/15/14	24901	2020SC	Invoice: 0071231 - MAY/JUNE	7,010.75	
		2020SC	Invoice: 0071231 - JULY/AUG	7,634.50	
		1020SC	BSK ASSOCIATES		14,645.25
9/15/14	24902	2020SC	Invoice: SCWA ROUTINE MAINT	1,473.00	
		1020SC	CALIFORNIA DEPT. OF FISH AND WILDLIFE		1,473.00
9/15/14	24903	2020SC	Invoice: SEP 2014 PER DIEM	100.00	
		2020SC	Invoice: EXEC MEET SEP 2014	100.00	
		1020SC	DALE CROSSLEY		200.00
9/15/14	24904	2020SC	Invoice: SEP 2014 PER DIEM	129.38	
		1020SC	OSBY DAVIS		129.38
9/15/14	24905	2020SC	Invoice: 3624	26,350.00	
		1020SC	EYASCO, INC.		26,350.00
9/15/14	24906	2020SC	Invoice: SEP 2014 PER DIEM	107.91	
		1020SC	DON HOLDENER		107.91
9/15/14	24907	2020SC	Invoice: PS010717858	58.80	
		2020SC	Invoice: PS010717859	111.05	
		1020SC	HOLT OF CALIFORNIA		169.85
9/15/14	24908	2020SC	Invoice: CL64139	1,589.72	

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		1020SC	INTERSTATE OIL COMPANY		1,589.72
9/15/14	24909	1020SC	VOID		
9/15/14	24910	2020SC	Invoice: 12262	320.00	
		1020SC	KC ENGINEERING COMPANY		320.00
9/15/14	24911	2020SC	Invoice: SEP 2014 PER DIEM	100.00	
		1020SC	JOHN D. KLUGE		100.00
9/15/14	24912	2020SC	Invoice: 14/15-DV	1,052.00	
		1020SC	MARINE SCIENCE INSTITUTE		1,052.00
9/15/14	24913	2020SC	Invoice: C51281	668.66	
		1020SC	MECOM EQUIPMENT, LLC		668.66
9/15/14	24914	2020SC	Invoice: SEP 2014 PER DIEM	133.90	
		2020SC	Invoice: DELTA WG SEP 2014	116.95	
		1020SC	ELIZABETH PATTERSON		250.85
9/15/14	24915	2020SC	Invoice: 5-8770	437.50	
		1020SC	RAMIREZ TOW		437.50
9/15/14	24916	2020SC	Invoice: 36680635	125.38	
		1020SC	RECOLOGY VACAVILLE SOLANO		125.38
9/15/14	24917	2020SC	Invoice: SEP 2014 PER DIEM	100.00	
		1020SC	LINDA SEIFERT		100.00
9/15/14	24918	2020SC	Invoice: 0002552	156.59	
		2020SC	Invoice: 0002551	7,205.77	
		1020SC	SOLANO IRRIGATION DISTRICT		7,362.36
9/15/14	24919	2020SC	Invoice: EXEC MEET SEP 2014	100.00	
		1020SC	JAMES SPERING		100.00
9/15/14	24920	2020SC	Invoice: TURF REBATE - MONTES	1,000.00	
		1020SC	TURF REBATE		1,000.00
9/15/14	24921	2020SC	Invoice: 110840	87.07	
		1020SC	VALLEY HYDRAULICS & MACHINE, INC.		87.07
9/15/14	24922	2020SC	Invoice: SEP 2014 PER DIEM	100.00	
		1020SC	JOHN VASQUEZ		100.00
9/15/14	24923	2020SC	Invoice: 0002461	207,965.65	
		2020SC	Invoice: 0002555	126,391.04	
		1020SC	SOLANO IRRIGATION DISTRICT		334,356.69
9/15/14	24924	1020SC	VOID		
9/15/14	24925	1020SC	VOID		
9/19/14	24926	2020SC	Invoice: 0071152	935.00	
		1020SC	BSK ASSOCIATES		935.00
9/19/14	24927	2020SC	Invoice: GOOGLE EARTH 2015	399.00	
		1020SC	RICHARD MAROVICH		399.00
9/19/14	24928	2020SC	Invoice: 57536	85.50	
		1020SC	NORMANDEAU ASSOCIATES, INC.		85.50
9/19/14	24929	2020SC	Invoice: 2444786-SP14	435.89	
		1020SC	PITNEY BOWES		435.89
9/19/14	24930	2020SC	Invoice: 14143	4,670.01	
		2020SC	Invoice: 14144	11,479.75	
		1020SC	SUMMERS ENGINEERING, INC.		16,149.76
9/19/14	24931	2020SC	Invoice: 4228001658	631.07	
		1020SC	T.D.S FOODS		631.07
9/19/14	24932	2020SC	Invoice: 7010	366.02	
		1020SC	VACAVILLE TRAILER SALES		366.02
9/19/14	24932V	2020SC	Invoice: 7010		366.02

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		1020SC	VACAVILLE TRAILER SALES	366.02	
9/19/14	24933	2020SC 1020SC	Invoice: 90429 WOOD RODGERS, INC.	1,038.75	1,038.75
9/19/14	24934	2020SC 1020SC	Invoice: 63743 STATE OF CALIFORNIA	115.00	115.00
9/19/14	24935	2020SC 1020SC	Invoice: DRIVING RECORD REIMBURSEMENT	5.00	5.00
9/19/14	24936	2020SC 1020SC	Invoice: CARRIE SHAW - DRIVE REIMBURSEMENT	5.00	5.00
9/19/14	24937	2020SC 1020SC	Invoice: PETRITES - DRIVE REIMBURSEMENT	5.00	5.00
9/25/14	24938	2020SC 1020SC	Invoice: 95268 ANALYTICAL SCIENCES	2,170.00	2,170.00
9/25/14	24939	2020SC 2020SC 1020SC	Invoice: 5753318 Invoice: 5753319 AT&T	178.97 229.88	408.85
9/25/14	24940	2020SC 1020SC	Invoice: 0071211 BSK ASSOCIATES	412.50	412.50
9/25/14	24941	2020SC 1020SC	Invoice: OCT HEALTH 2014 CALPERS	14,465.37	14,465.37
9/25/14	24941V	2020SC 1020SC	Invoice: OCT HEALTH 2014 CALPERS	14,465.37	14,465.37
9/25/14	24942	2020SC 1020SC	Invoice: 5001908715 CINTAS CORPORATION	98.49	98.49
9/25/14	24943	2020SC 1020SC	Invoice: 2-786-84780 FEDEX EXPRESS	492.17	492.17
9/25/14	24944	2020SC 1020SC	Invoice: V3143701 HOLT OF CALIFORNIA	11,173.36	11,173.36
9/25/14	24945	2020SC 1020SC	Invoice: JULY - AUGUST 2014 IN COMMUNICATIONS	1,705.00	1,705.00
9/25/14	24946	2020SC 1020SC	Invoice: 132166 LSA ASSOCIATES, INC.	17,774.60	17,774.60
9/25/14	24947	2020SC 1020SC	Invoice: 30048 LUHDORFF & SCALMANINI	678.75	678.75
9/25/14	24948	2020N 1020SC	Invoice: O-52462-14 PACIFIC COAST SEED, INC.	1,423.31	1,423.31
9/25/14	24949	2020SC 1020SC	Invoice: MAR 2015 SRF CONF SALMONID RESTORATION FEDERATION	500.00	500.00
9/25/14	24950	2020SC 2020SC 1020SC	Invoice: 004945 Invoice: 004578 SAM'S CLUB	146.72 53.80	200.52
9/25/14	24951	2020SC 1020SC	Invoice: NOE - MCCOY WASTEWAY SOLANO COUNTY	50.00	50.00
9/25/14	24952	2020SC 1020SC	Invoice: 6492990046OCT2014 STANDARD INSURANCE COMPANY	704.20	704.20
9/25/14	24953	2020SC 1020SC	Invoice: TURF REBATE - ALLEN TURF REBATE	1,000.00	1,000.00
9/25/14	24954	2020SC 1020SC	Invoice: 7010 VACAVILLE TRAILER SALES	366.02	366.02
9/25/14	24955	2020SC 2020SC 1020SC	Invoice: 85635 Invoice: 85634 GHD, INC.	4,227.50 229.25	4,456.75

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9/25/14	24956	2020SC 1020SC	Invoice: AIR CLEANER ASY REIMBURSEMENT	31.81	31.81
9/25/14	24957	2020SC 1020SC	Invoice: TURF REBATE - STADLE TURF REBATE	504.00	504.00
9/25/14	24958	2020SC 1020SC	Invoice: TURF REBATE - CHANG TURF REBATE	243.00	243.00
9/25/14	24959	2020SC 1020SC	Invoice: TURF REBATE - DEGANN TURF REBATE	1,000.00	1,000.00
9/25/14	24960	2020SC 1020SC	Invoice: TURF REBATE - DINUCC TURF REBATE	1,000.00	1,000.00
9/25/14	24961	2020SC 1020SC	Invoice: TURF REBATE - WALKER TURF REBATE	967.00	967.00
9/25/14	24961V	2020SC 1020SC	Invoice: TURF REBATE - WALKER TURF REBATE	967.00	967.00
9/25/14	24962	2020SC 1020SC	Invoice: TURF REBATE - WALKER TURF REBATE	967.00	967.00
9/25/14	24963	2020SC 2020SC 1020SC	Invoice: TURF REBATE - REITER Invoice: TURF REBATE - GREITE TURF REBATE	1,000.00 864.00	1,864.00
9/25/14	24964	2020SC 1020SC	Invoice: TURF REBATE - DELGAD TURF REBATE	990.00	990.00
9/25/14	24965	2020SC 1020SC	Invoice: TURF REBATE - DYOUNG TURF REBATE	976.00	976.00
9/25/14	24966	2020SC 1020SC	Invoice: TURF REBATE - CHANEY TURF REBATE	964.00	964.00
9/25/14	24967	2020SC 1020SC	Invoice: TURF REBATE - MAHER TURF REBATE	1,000.00	1,000.00
9/25/14	24968	2020SC 1020SC	Invoice: TURF REBATE - ZILKA TURF REBATE	680.00	680.00
9/25/14	24969	2020SC 1020SC	Invoice: TURF REBATE - DONOVA TURF REBATE	850.00	850.00
9/25/14	24970	2020SC 1020SC	Invoice: TURF REBATE - MOLLIN TURF REBATE	1,000.00	1,000.00
9/25/14	24971	2020SC 1020SC	Invoice: TURF REBATE - DOWLIN TURF REBATE	224.00	224.00
9/25/14	24972	2020SC 1020SC	Invoice: TURF REBATE - CARTER TURF REBATE	1,000.00	1,000.00
9/25/14	24973	2020SC 1020SC	Invoice: TURF REBATE - IRAVAN TURF REBATE	264.00	264.00
9/25/14	24974	2020SC 1020SC	Invoice: TURF REBATE - SANCHE TURF REBATE	1,000.00	1,000.00
9/25/14	24975	2020SC 1020SC	Invoice: TURF REBATE - PANZER TURF REBATE	683.00	683.00
9/25/14	24976	2020SC 1020SC	Invoice: TURF REBATE - BARNER TURF REBATE	500.00	500.00
9/25/14	24977	2020SC 1020SC	Invoice: TURF REBATE - SAEDEN TURF REBATE	430.00	430.00
9/25/14	24978	2020SC 1020SC	Invoice: TURF REBATE - BENA VI TURF REBATE	450.00	450.00
9/25/14	24979	2020SC 1020SC	Invoice: TURF REBATE - MARSCH TURF REBATE	779.00	779.00



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9/25/14	24980	2020SC 1020SC	Invoice: TURF REBATE - BARCEW TURF REBATE	775.00	775.00
9/25/14	24980V	2020SC 1020SC	Invoice: TURF REBATE - BARCEW TURF REBATE	775.00	775.00
9/25/14	24981	2020SC 1020SC	Invoice: TURF REBATE - PNELSO TURF REBATE	640.00	640.00
9/25/14	24982	2020SC 1020SC	Invoice: TURF REBATE - REESE TURF REBATE	689.00	689.00
9/25/14	24983	2020SC 1020SC	Invoice: TURF REBATE - LI TURF REBATE	688.00	688.00
9/25/14	24984	2020SC 1020SC	Invoice: TURF REBATE - DUEY TURF REBATE	909.00	909.00
9/25/14	24985	2020SC 1020SC	Invoice: TURF REBATE - HENDRI TURF REBATE	750.00	750.00
9/25/14	24986	2020SC 1020SC	Invoice: TURF REBATE - WEBB TURF REBATE	866.00	866.00
9/25/14	24987	2020SC 2020SC 1020SC	Invoice: TURF REBATE - BARCEW Invoice: TURF REBATE - JBARCE TURF REBATE	775.00 1,000.00	1,775.00
9/25/14	24988	2020SC 1020SC	Invoice: PROP84GRANT #7 ALAMEDA COUNTY WATER DISTRICT	2,017.44	2,017.44
9/25/14	24989	2020SC 1020SC	Invoice: PROP84GRANT #7 BAY AREA WATER SUPPLY &	31,188.24	31,188.24
9/25/14	24990	2020SC 1020SC	Invoice: PROP84GRANT #7 CITY OF NAPA WATER DIVISION	21,336.53	21,336.53
9/25/14	24991	2020SC 1020SC	Invoice: PROP84GRANT #7 MARIN MUNICIPAL WATER DISTRICT	11,441.78	11,441.78
9/25/14	24992	2020SC 1020SC	Invoice: PROP84GRANT #7 NAPA COUNTY FC&WCD	6,565.62	6,565.62
9/25/14	24993	2020SC 1020SC	Invoice: PROP84GRANT #7 SANTA CLARA VALLEY WATER DISTRICT	16,334.42	16,334.42
9/25/14	24994	2020SC 1020SC	Invoice: PROP84GRANT #7 SONOMA COUNTY WATER AGENCY	63,738.91	63,738.91
9/25/14	24995	2020SC 1020SC	Invoice: PROP84GRANT #7 ZONE 7 WATER AGENCY	10,118.29	10,118.29
9/25/14	24996	2020SC 1020SC	Invoice: PROP84GRANT #7 ALAMEDA COUNTY WASTE MANAGEMENT AUTHORI	78,373.66	78,373.66
9/26/14	24997	2020SC 1020SC	Invoice: NOE - LAKE BERRYESSA NAPA COUNTY CLERK OF THE BOARD	50.00	50.00
9/26/14	24998	2020SC 1020SC	Invoice: NOE - LAKE BERRYESSA SOLANO COUNTY	50.00	50.00
9/29/14	24999	2020SC 1020SC	Invoice: 449725 SWRCB	200.00	200.00
9/29/14	25000	2020SC 1020SC	Invoice: 449640 SWRCB	766.00	766.00
9/30/14	25001	2020SC 1020SC	Invoice: 155257 AYRES ASSOCIATES	955.47	955.47
9/30/14	25002	2020SC 1020SC	Invoice: 0070100 BSK ASSOCIATES	19,618.67	19,618.67
9/30/14	25003	2020SC	Invoice: 15941	3,752.87	

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		2020SC	Invoice: 15931	148.50	
		1020SC	CENTRAL VALLEY EQUIPMENT REPAIR		3,901.37
9/30/14	25004	2020SC	Invoice: 989351	7.25	
		2020SC	Invoice: 989349	1,019.05	
		1020SC	DIXON HARDWARE & LUMBER		1,026.30
9/30/14	25005	2020SC	Invoice: SEPT 2014	48.16	
		1020SC	FLORENDO, ANDREW		48.16
9/30/14	25006	2020SC	Invoice: PS010718557	248.33	
		2020SC	Invoice: PS010718556	364.15	
		2020SC	Invoice: PS010718558	10.89	
		2020SC	Invoice: PS010719099	6.93	
		1020SC	HOLT OF CALIFORNIA		630.30
9/30/14	25007	2020SC	Invoice: 129850	415.00	
		1020SC	MARTIN'S METAL FABRICATION &		415.00
9/30/14	25008	2020SC	Invoice: 169602	10.74	
		2020SC	Invoice: 169614	48.27	
		2020SC	Invoice: 169828	46.42	
		2020SC	Invoice: 830543	30.19	
		2020SC	Invoice: 170191	74.14	
		2020SC	Invoice: 170115	61.19	
		1020SC	PACIFIC ACE HARDWARE		270.95
9/30/14	25009	2020SC	Invoice: 0007376850-9	585.00	
		2020SC	Invoice: 0007382865-9	10,605.00	
		1020SC	PACIFIC GAS & ELECTRIC CO,		11,190.00
9/30/14	25010	2020SC	Invoice: 9159544	675.75	
		1020SC	PAPE MACHINERY		675.75
9/30/14	25011	2020SC	Invoice: 34369	3,479.76	
		1020SC	PLASTIC-MART.COM		3,479.76
9/30/14	25012	2020SC	Invoice: JUL - AUG 2014	12,960.53	
		1020SC	PUTAH CREEK COUNCIL		12,960.53
9/30/14	25013	2020SC	Invoice: 42849876	980.93	
		2020SC	Invoice: 42852489	77.67	
		1020SC	SBS LEASING A PROGRAM DE LAGE		1,058.60
9/30/14	25014	2020SC	Invoice: 459	500.00	
		1020SC	STUMPY TRUCKING, INC.		500.00
9/30/14	25015	2020SC	Invoice: 001230	51.52	
		1020SC	UNAVCO, INC.		51.52
9/30/14	25016	2020SC	Invoice: 1140732	118.66	
		1020SC	WESTERN RANCH & PET SUPPLY		118.66
9/30/14	25017	2020SC	Invoice: 1042854365	255.00	
		1020SC	AMERICAN SOCIETY OF CIVIL ENGINEERS		255.00
9/25/14	BARICH AUG 2014	6310AC	CHEVRON - FUEL	60.22	
		1020SC	BANK OF THE WEST		60.22
9/25/14	CUETARA AUG 2014	6144AC	THE HOME DEPOT - SUPPLIES	19.23	
		6310AC	QUIK STOP - FUEL	77.24	
		6300AC	FORD LINCOLN FAIRFIELD - OIL CHANGE	55.06	
		6144AC	LOWES - SUPPLIES	129.17	
		1020SC	BANK OF THE WEST		280.70
9/2/14	EFT	2020SC	Invoice: SEPT HEALTH 201	14,612.16	
		1020SC	CALPERS		14,612.16
9/3/14	EFT	2020SC	Invoice: PPE 08.30.14	9,971.37	
		1020SC	CALPERS		9,971.37
9/3/14	EFT	2020SC	Invoice: PEPRA 08.30.14	320.67	
		1020SC	CALPERS		320.67
9/3/14	EFT	2020SC	Invoice: SIP PPE 08.30.14	3,295.62	
		1020SC	CALPERS		3,295.62

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
For the Period From Sep 1, 2014 to Sep 30, 2014

Filter Criteria includes: Report order is by Check Number. Report is printed in Detail Format.

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
9/12/14	EFT	6111AC 1020SC	FSA ADMIN FEES - AUGUST 2014 PAYCHEX, INC.	109.00	109.00
9/10/14	EFT	2020SC 1020SC	Invoice: 9731105799 VERIZON WIRELESS	2,090.44	2,090.44
9/10/14	EFT	2020SC 1020SC	Invoice: 42236777 CHEVRON AND TEXACO	789.10	789.10
9/16/14	EFT	2020SC 1020SC	Invoice: 8/13/14 - 9/11/14 PACIFIC GAS & ELECTRIC CO,	1,300.64	1,300.64
9/19/14	EFT	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES - 09.13.14 EMPLOYER LIABILITIES - 09.13.14 PAYROLL TAXES	10,360.76 1,888.34	12,249.10
9/19/14	EFT	2020SC 1020SC	Invoice: 2014091701 PAYCHEX, INC.	176.00	176.00
9/18/14	EFT	2020SC 2020SC 1020SC	Invoice: PERPA 09.13.14 Invoice: SIP PPE 09.13.14 CALPERS	320.67 3,295.62	3,616.29
9/18/14	EFT	2020SC 1020SC	Invoice: PPE 09.13.14 CALPERS	10,005.04	10,005.04
9/30/14	EFT	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES - 09.27.14 EMPLOYER LIABILITIES - 09.27.14 PAYROLL TAXES	9,616.97 1,339.54	10,956.51
9/25/14	FLORENDO AUG 2014	6551AC 6612AC 6551AC 1020SC	STAPLES - SUPPLIES WORLD CENTERIC - CUPS REGISTER.COM - WEB SITE FORWARDING SAFE RENEWAL BANK OF THE WEST	20.03 108.53 8.98	137.54
9/25/14	FOWLER AUG 2014	6230SC 6230SC 6230SC 6181SC 6181SC 6230SC 6230SC 1020SC	POWERWERX/BULK WIRE - SUPPLIES POWERWERX/BULK WIRE - SUPPLIES SEARS ROEBUCK - PARTS SQ* RAM RICK ALBERT - SUPPLIES SQ* RAM RICK ALBERT - SUPPLIES HOMEDEPOT.COM - SUPPLIES SAMS CLUB - SUPPLIES BANK OF THE WEST	39.07 42.00 58.15 167.59 129.99 50.81 155.15	642.76
9/25/14	JONES AUG 2014	6188SC 6041AC 6310AC 6199SC 6179SC 6041AC 6188SC 6183SC 6230SC 6041AC 6183SC 6183SC 6310AC 6300AC 6181SC 6041AC 1020SC	EASTERN SUR - REPAIR BALLISTIC - IPHOTE CASE (RETURNING) BERRYESSA SPORTING GOOD - FUEL STAPLES - SUPPLIES RECOLOGY ENV SOLUTIONS - DEBRIS BALLISTIC - IPHONE CASE HOSE & FITTINGS ECT - SUPPLIES RECOLOGY ENV SOLUTIONS - DEBRIS BERRYESSA SPORTING GOOD - FUEL BALLISTIC - IPHONE CASE (RETURNED) YOLO COUNTY LANDFILL - WASTE YOLO COUNTY LANDFILL - WASTE CHEVRON - FUEL PATS WINDSHIELD REP - WINDSHIELD REPAIR R RIDDELL SNAP ON - SUPPLIES ACCRUED TAX - BALLISTICS BANK OF THE WEST	173.00 79.99 66.65 47.36 30.69 53.93 60.45 20.00 40.48 20.21 31.96 50.30 60.00 70.95	79.99 3.94 722.04
9/25/14	LEE AUG 2014	6090AC 6040AC 6410AC 1020SC	PAYPAL CAGRASSASSN - DONATION/MEMBERSHIP RALEY'S - WESTSIDE IRWMP MEETING CBI* PARALLELS - PARALLELS UPDATE BANK OF THE WEST	150.00 10.98 74.98	235.96
9/25/14	MAROVICH AUG 2014	6183SC 6183SC 6183SC 6199SC 6183SC 6183SC	GROWERSNURS - SUPPLIES PAYPAL ZORO.COM - PUMP DAVIS ACE LBR & HDWE - SUPPLIES CHILES ROAD BEACON - PRESSURE WASHER TRACTOR SUPPLY - SUPPLIES DIXON HARDWARE - SUPPLIES	19.62 546.86 16.18 5.77 37.00 31.03	

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
For the Period From Sep 1, 2014 to Sep 30, 2014

Filter Criteria includes: Report order is by Check Number. Report is printed in Detail Format.

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		1020SC	BANK OF THE WEST		656.46
9/25/14	MCLEAN AUG 2014	6040AC	NAPOLI PIZZERIA - LPCCC WORKSHOP	50.51	
		6360AC	CSU SACRAMENTO - APPLICATION	55.00	
		6040AC	REMOTELINK - EXECUTIVE MEETING	7.51	
		6040AC	NAPOLI PIZZERIA - INTERN MEETING	168.23	
		6040AC	SAFEWAY STORE - CALPERS CLASS LUNCH	7.96	
		6330AC	AMPCO PARKING LINCOLN - CALPERS CLASS PARKING	12.00	
		6040AC	WALMART - SUPPLIES	27.69	
		6040AC	PURE GRAIN BAKERY - BOD SANDWICHES	40.50	
		6040AC	SAFEWAY STORE - LPCCC & BOD COOKIES	10.00	
		6040AC	NAPOLI PIZZERIA - BOD PIZZA	30.00	
		6360AC	SOLANOCCKBKSTR - BOOK	225.40	
		6360AC	SOLANO COMMUNITY COLLEGE - BUSINESS LAW	154.00	
		6040AC	REMOTELINK INC - WESTSIDE MEETING	40.84	
		6040AC	NAPOLI PIZZERIA - YOLO BYPASS MEETING	57.61	
		1020SC	BANK OF THE WEST		887.25
9/25/14	OKITA AUG 2014	6330AC	SOUTHWEST - BDCP FLIGHT	112.20	
		6090AC	AMER SOC CIVIL ENGINEERS - MEMBERSHIP	249.00	
		1020SC	BANK OF THE WEST		361.20
9/25/14	PATE AUG 2014	6040AC	NAPOLI PIZZERIA	33.05	
		6360AC	AMAZON MKTPLACE - CONSTRUCTION DEWATERING BOOK	134.75	
		6040AC	AMAZON MKTPLACE - HEADPHONES	19.44	
		2025SC	ACCRUED TAX - AMAZON MKTPLACE		1.42
		1020SC	BANK OF THE WEST		185.82
9/25/14	RABIDOUX AUG 2014	6090AC	AMERICAN WATERWORKS - MEMBERSHIP	244.00	
		6161N	QUIK STOP - BOAT FUEL	14.64	
		6410AC	AMAZON MKTPLACE - SUPPLIES	25.58	
		6410AC	AMAZON MKTPLACE - SUPPLIES	9.66	
		6410AC	AMAZON MKTPLACE - SUPPLIES	44.67	
		2025SC	ACCRUED TAX - AMAZON MKTPLACE		1.58
		2025SC	ACCRUED TAX - AMAZON MKTPLACE		3.26
		1020SC	BANK OF THE WEST		333.71
9/25/14	SNYDER AUG 2014	6166SC	LOWES - SUPPLIES	170.44	
		6300AC	AGILIS-LINUXUP-MOTOSAFE - TRACKING SERVICE	91.96	
		6195SC	THE HOME DEPOT - SUPPLIES	129.32	
		6199SC	PACIFIC HARDWARE - SUPPLIES	49.43	
		1020SC	BANK OF THE WEST		441.15
Total				2,220,725.31	2,220,725.31

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:**       **October 9, 2014**

**SUBJECT:**   **Authorize Purchase Order to Procure a Portable Bulkhead for Putah Diversion Dam Maintenance**

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RECOMMENDATION:

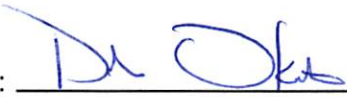
Authorize General Manager to execute a purchase order with Hogan Mfg., Inc. in the amount of \$257,665 to manufacture a portable floating bulkhead necessary to preform required maintenance at the Putah Diversion Dam.

FINANCIAL IMPACT:

Funding is available and programed in the current year Solano Project rehabilitation and betterment account for this purchase.

BACKGROUND:

The Putah Diversion Dam is located approximately 7 miles downstream of Monticello Dam (Lake Berryessa) and serves the purpose of regulating the water surface elevation necessary to divert water supply to the Putah South Canal and control water releases downstream to Lower Putah Creek. The structure consists of 12 control gates approximately 25 feet wide that are operated to retain water and make controlled releases downstream during winter storms. Each gate has a set of flexible seals that have never been replaced and are beginning to show signs of wear. Each gate resides in a bay that must be dewatered to perform seal replacements. The portable bulkhead provides a means to safely isolate an individual bay/gate while maintaining the ability to continue normal water deliveries. Once deployed it can be installed and re-installed at any gate. Upon completion of the work the device can be stored at the Putah Diversion Compound across the road for reuse.

Recommended:   
David B. Okita, General Manager

☐

Approved as  
recommended

☐

Other  
(see below)

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Modification to Recommendation and/or other actions:

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I, David B. Okita, 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 October 9, 2014 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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David B. Okita  
General Manager & Secretary to the  
Solano County Water Agency

The alternative to using the bulkhead would be to construct a temporary coffer dam at each gate. Due to the required size of a potential coffer dam and need to construct and demolish such a structure 12 times to complete maintenance of all gates, the one-time purchase of a bulkhead is more cost effective with less liability. In addition, possessing a portable bulkhead will provide water supply reliability insurance. If a gate were to suffer a catastrophic failure, water deliveries could be compromised until a repair could be completed. With a portable bulkhead the bay could be isolated quickly so that water deliveries could resume immediately while repairs are being done.

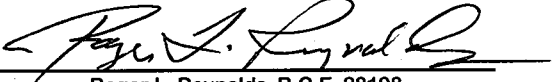
The portable floating bulkhead is a proprietary design by Ayers Engineering and is used by many other water districts and agencies, including the State Water Project and US Bureau of Reclamation, for the same purpose as ours and in some cases even more extreme conditions. The Water Agency hired Ayers to evaluate the feasibility of using a portable bulkhead for the Putah Diversion Dam. Ayers provided the design documents necessary for the Water Agency to solicit proposals from steel fabricators to manufacture the specified device. The Water Agency received quotes from 3 steel fabricators with prior experience in manufacturing similar devices. The prices ranged from \$257,665 to \$342,050 (including the alternate quote item), see the attached tabulation of proposals. The engineers estimate for this procurement was \$450,000. Hogan, Mfg., Inc., located in Escalon, CA, provided the most cost effective proposal for \$257,665.

**SOLANO COUNTY WATER AGENCY**  
Putah Diversion Dam Floating Bulkhead  
Tabulation of Proposals Opened September 3, 2014  
Vacaville, California

SCHEDULE				1		2		3	
				Hogan Mfg. Inc. P.O. Box 398 Escalon, CA 95320		Steel-Fab, Inc. 430 Crawford Street Fitchburg, MA 01420		Steel America 400 East Indian River Road Norfolk, VA 23523	
ITEM NO.	WORK OR MATERIAL	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Fabricate the Specified Steel Caissons and Materials for the Bulkhead		Lump Sum		\$244,895.00		\$277,430.00		\$301,630.00
2	Deliver Completed Caissons and Materials to Putah Creek Diversion Dam Designated Site		Lump Sum		\$600.00		17,810.00		\$15,120.00
TOTAL FOR SCHEDULE					\$245,495.00		\$295,240.00 *		\$316,750.00
	Alternate Quote Item: Additional Cost to Provide Stainless Steel Versus Painted Abutment Seats		Lump Sum		\$12,170.00		\$10,505.00		\$25,300.00
	Estimated Fabrication & Delivery Time		Weeks		34		18-20		13

\* Taxes are not included in total price.

I hereby certify that this abstract of proposals is true and correct.

  
Roger L. Reynolds R.C.E. 28198

Summers Engineering, Inc.  
Consulting Engineers  
Hanford, California  
September 3, 2014



ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE:           October 9, 2014

SUBJECT:   2014/2015 Quagga/Zebra Mussel Infestation Prevention Fee Grant Program

RECOMMENDATIONS:

- 1. Approve Resolution 2014-4 to apply for grant funding under the Quagga and Zebra Mussel Infestation Prevention Grant Program.
- 2. Authorize staff to apply for grant funding to expand the SCWA Lake Berryessa Outreach Program.
- 3. Authorize SCWA to apply and be fiscal agent for grant funding for an Early Detection and Education Plan for Quagga/Zebra Mussels on behalf of the Westside Integrated Regional Water Management Region.

FINANCIAL IMPACT:

The SCWA Cost share for Lake Berryessa Outreach Program would be \$200,000 for encompassing fiscal years 2015-2016 and 2016-2017.

The SCWA cost share for the Early Detection and Education Plan would be \$20,000 for fiscal year 2015-2016.

BACKGROUND:

Assembly Bill 2443 (Williams) imposed a fee for boater vessel registration to fund the California Parks, Division of Boating and Waterways, Quagga and Zebra Mussel Infestation Prevention Grant Program. Approximately \$2.5 million dollars is available for development of a Mussel Prevention Plan and/or implementation of an existing Prevention Plan. Maximum grant award is \$200,000.

Staff will apply to the Quagga and Zebra Mussel Infestation Prevention Grant Program for a grant of \$200,000 to expand the existing SCWA Lake Berryessa Outreach Program. Staff would also apply to the same program for a second grant of \$200,000 to develop an Early Detection and Education Plan for Quagga/Zebra Mussels on behalf of the Westside Integrated Regional Water Management Region. The Westside Integrated Regional Water Region is comprised of the eastern half of Solano County (from Vacaville to the east), the eastern half of Lake and Napa Counties, and all of Yolo County. Representative agencies are Solano County Water Agency, Lake County Watershed Protection District, Napa County Flood Control and Water Conservation District, and the Water Resources Association of Yolo County.

Recommended:   
David B. Okita, General Manager

<input type="checkbox"/>	Approved as recommended	<input type="checkbox"/>	Other (see below)
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Modification to Recommendation and/or other actions:

I, David B. Okita, 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 April 10, 2014 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

David B. Okita  
General Manager & Secretary to the  
Solano County Water Agency



## Agenda Item No. 5D

The SCWA Lake Berryessa Boater Outreach Program provides education to lake visitors, recreaters, and resort employees about the importance of Lake Berryessa's water quality, good boating practices, and invasive species (quagga/zebra mussels). Nearly 500,000 businesses and residents of Solano County rely on Lake Berryessa as a drinking water source. Program interns work to improve the general public's understanding of what Lake Berryessa means to our region in terms of water security and health, and foster positive behaviors and good stewardship of this vital water source.

This outreach is part of the implementation of the SCWA Early Detection and Education Plan for Quagga/Zebra Mussels for the Solano Project. For more information about the Plan, see:

[http://www.scwa2.com/Documents/Invasives/S-11C\\_Solano%20Project%20Mussel%20Plan\\_3-1-14.pdf](http://www.scwa2.com/Documents/Invasives/S-11C_Solano%20Project%20Mussel%20Plan_3-1-14.pdf)

Program interns work Memorial Day through Labor Day delivering one-on-one education by engaging with people to encourage participation in educational program surveys, which heighten boater awareness of threats to the lake's health, including pollution, engine contamination, and the invasive quagga and zebra mussels. Interns manage the bilge pad exchange program, distributing free oil absorbent bilge pads to prevent leakage of motor oil from boats into the lake, collecting used pads and instructing boaters on the importance of using an absorbent in their watercraft. Interns also design and update educational materials and collect and analyze data collected through the surveys. At the end of each season interns compose a report highlighting the data collected, providing insight on summer accomplishments and recommendations for program improvements and additions.

The current program utilizes 6.5 interns from Memorial Day to Labor Day, total cost to the Water Agency is \$122,000 (includes administration costs for Solano Resource Conservation District to manage the intern force). Coverage of boaters at the Lake is hard to estimate since the number of boaters changes annually, and there are frequent returning boaters. An educated guess of coverage for the current program is approximately 30% of the boaters at Lake Berryessa. This number is based on the average number of boaters, the occurrence of boaters during intern coverage dates, and the average number of boaters at each launch ramp where the interns are stationed.

Increasing intern coverage would increase boater contacts and would in theory increase the chances of preventing quagga/zebra mussels of entering Lake Berryessa. An increase in coverage from May 1 to September 30 as well as employing 10 interns would increase boater contacts to an estimated 66%. This increase would bring the total annual costs to the program to \$200,000.

Since this is a two-year grant cycle, the Water Agency would apply for a grant of \$200,000, with a cost share of 50%, for a total of \$400,000. Program costs would be a total of \$200,000 for encompassing both fiscal years 2014-2015 and 2015-2016. If successful with a grant award, the Outreach Program with increased coverage would cost less than the current program for the next two fiscal years.

Education and prevention of quagga and zebra mussel infestation must also occur at a regional scale. Staff will apply to this same funding program to develop a Mussel Prevention Plan with our partners in Lake, Napa, and Yolo Counties for the Westside Integrated Regional Water Management Region. As mentioned above, we have a Solano Mussel Plan and Lake County has a vessel sticker program, but in order to truly attempt to protect our water bodies, a consistent education and outreach program must be put in place for the entire Region. All four partner agencies would provide \$20,000 in cost share for this Mussel Prevention Plan.

**RESOLUTION NUMBER 2014-4**

**RESOLUTION OF THE SOLANO COUNTY WATER AGENCY**

**QUAGGA/ZEBRA MUSSEL INFESTATION PREVENTION FEE  
GRANT PROGRAM APPLICATION AND FUNDING AGREEMENT RESOLUTION**

WHEREAS, prior to the State of California Parks and Recreation, Division of Boating and Waterways approving an Application and executing a Funding Agreement, the Solano County Water Agency is required to pass a resolution, authorizing a designated representative(s) to execute said Application, Funding Agreement, amendments, and certifications, designating a representative to approve claims for reimbursement, designating a representative to sign Project Completion Certification, and designating a representative to sign the Contractor's Release Form: and

WHEREAS, the U.S. Bureau of Reclamation has the authority to construct, operate, and maintain marinas at Lake Berryessa, and has the authority to contract with concessionaires to manage marinas at Lake Berryessa on the U.S. Bureau of Reclamation's behalf under the Solano Project, and the Solano County Water Agency manages the Solano Project on behalf of the U.S. Bureau of Reclamation, the Solano County Water Agency has authority to make an application to the State California Parks and Recreation, Division of Boating and Waterways for grant funding under the Harbors and Watercraft Revolving Fund for the Quagga and Zebra Mussel Infestation Prevention Grant Program; and

WHEREAS, the Solano County Water Agency desires to implement a plan for the prevention of an infestation of the quagga and zebra mussel; and

WHEREAS, the Solano County Water Agency will adopt into its annual budget funds to cover costs incurred to implement said plan; and

WHEREAS, by the Solano County Water Agency that, pursuant and subject to all terms and provisions of the Harbors and Watercraft Revolving Fund program, application be made to the State of California Parks and Recreation, Division of Boating and Waterways for funding; and

NOW THEREFORE, BE IT RESOLVED that the Board of Directors does hereby authorize staff to prepare applications to be signed and filed with the State of California Parks and Recreation, Division of Boating and Waterways for funding; and

NOW THEREFORE, BE IT RESOLVED that the Board of Directors does hereby authorize staff to approve claims for reimbursement, execute the budget and expenditure summary, sign the contractor's release form, and certify that projects are complete for the State of California Parks and Recreation, division of Boating and Waterways, Harbors and Watercraft Revolving Fund Project.

Approved and Adopted on the 9<sup>th</sup> day of October, 2014. I, the undersigned, hereby certify that the foregoing Resolution was duly adopted by SOLANO COUNTY WATER AGENCY following a roll call vote:

Ayes:

Noes:

Abstain:

Absent:

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David B. Okita, Secretary to the  
Board of Directors of the  
Solano County Water Agency

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: October 9, 2014

SUBJECT: Authorize Agreement with CDM Smith for the NBA Capacity Reclamation Project – Phase 2

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RECOMMENDATION:

Authorize General Manager to execute agreement with CDM Smith for the NBA Capacity Reclamation Project – Phase 2.

FINANCIAL IMPACT:

The agreement is for \$123,405. The project is jointly funded with Napa County at a cost-share of 38% Napa County and 62% SCWA. There is funding in the NBA 2014/15 fiscal year budget for this agreement.

BACKGROUND:

The North Bay Aqueduct (NBA) is a significant municipal water supply for both Napa and Solano County. In recent years, the NBA has reached its maximum flow capacity, limiting the amount of water that cities can receive during peak demand times. The NBA also contains a biofilm, composed primarily of the hydroid species *C. Caspia*. The biofilm is located primarily within the first mile of the NBA, and significantly decreases the flow capacity of the NBA. Capacity in the NBA could be restored by a series of chemical, mechanical, and/or capital improvements to the NBA. The purpose of the NBA Capacity Reclamation Project – Phase 2, is to carefully look at each type of improvement and evaluate the life cycle cost of each recommendation, as well as the pros/cons of each improvement.

The first phase of the NBA Capacity Reclamation Project is complete. The first phase reviewed all past work done on the capacity issue, and provided a framework for a logical progression to find a solution. The purpose of Phase 2 is to begin looking at the costs and questions associated with each type of improvement. The study is jointly funded by Napa County at a cost-share of 38% Napa County and 62% SCWA based on NBA capacity allocations.

Recommended:   
David B. Okita, General Manager

☐

Approved as  
recommended

☐

Other  
(see below)

---

Modification to Recommendation and/or other actions:

---

I, David B. Okita, 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 October 9, 2014 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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David B. Okita  
General Manager & Secretary to the  
Solano County Water Agency



Name of Project: **NBA Capacity Reclamation Project – Phase 2**

## **SOLANO COUNTY WATER AGENCY**

### **AGREEMENT FOR PROFESSIONAL SERVICES**

THIS AGREEMENT, **effective October 9, 2014**, 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 **CDM Smith**, hereinafter referred to as "Contractor."

The Agency requires services for the **NBA Capacity Reclamation Project – Phase 2**; 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 **NBA Capacity Reclamation Project – Phase 2**, 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 \$123,405** 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 **June 30, 2016** 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, or authorized volunteers from all claims and demands of all persons arising out of the performance (or actual or alleged non-performance) of the work under this agreement, for damages to persons or property due to the Contractor's negligent or willful acts, errors or omissions committed. 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 or authorized volunteers from all claims and demands of all persons arising out 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 sub-contractors 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, a certificate of insurance satisfactory to the Agency evidencing professional liability coverage of not less than \$1,000,000 per claim and annual aggregate, requiring 30 days notice of cancellation (10 days for non-payment of premium) 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. 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. The retroactive date (if any) is to be no later than the effective date of this agreement. In the event that the Contractor employs other contractors (sub-contractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above.

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. 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 (sub-contractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor 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. COMPLIANCE WITH LAW

The Contractor shall be subject to and comply with all federal, state and local laws and regulations applicable with respect to its performance under this Agreement, including but not limited to, licensing, employment and purchasing practices; and wages, hours and conditions of employment.

9. RECORD RETENTION

Except for materials and records, delivered to the Agency, the Contractor shall retain all materials and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three years after the Contractor's receipt of the final payment under this Agreement. Upon request by the Agency, the Contractor shall make such materials and records available to the Agency at no additional charge and without restriction or limitation to State and federal governments at no additional charge.

10. OWNERSHIP OF DOCUMENTS

All materials and records of a finished nature, such as final plans, specifications, reports and maps, prepared or obtained in the performance of this Agreement, shall be delivered to and become the property of the Agency. All materials of a preliminary nature, such as survey notes, sketches, preliminary plans, computations and other data, prepared or obtained in the performance of this Agreement, shall be made available, upon request, to the Agency at no additional charge and without restriction or limitation on their use.

11. SUBCONTRACT AND ASSIGNMENT

This Agreement binds the heirs, successors, assigns and representatives of the Contractor. The Contractor shall not enter into subcontracts for any work contemplated under this Agreement and shall not assign this Agreement or monies due or to become due, without the prior written consent of the General Manager of the Agency or his designee, subject to any required state or federal approval.

12. NONRENEWAL

The Contractor understands and agrees that there is no representation, implication, or understanding that the services provided by the Contractor under this Agreement will be purchased by the Agency under a new agreement following expiration or termination of this Agreement, and waives all rights or claims to notice or hearing respecting any failure to continue purchase of all or any such services from the Contractor.

13. 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

David Okita, General Manager  
Solano County Water Agency  
810 Vaca Valley Parkway, Suite 203  
Vacaville, CA 95688

CONTRACTOR

Ben Swann, Vice President  
CDM Smith  
2295 Gateway Oaks, Suite 240  
Sacramento, CA 95833

-----  
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

CDM Smith

By: \_\_\_\_\_  
David B. Okita,  
General Manager

By: \_\_\_\_\_  
Ben Swann,  
Vice President



**EXHIBIT A**

**SCOPE OF SERVICES**



2295 Gateway Oaks Drive, Suite 240  
Sacramento, CA 95833  
tel: 916 567-9900  
fax: 916 564-5016

September 23, 2014

Alexander A. Rabidoux, P.E.  
Solano County Water Agency  
810 Vaca Valley Parkway, Suite 203  
Vacaville, CA 95688

Subject: Scope of Work for Phase 2, NBA Capacity Reclamation Project

Dear Alex:

Provided herein is our scope of work to complete Phase II of the NBA Capacity Reclamation Project. The goal of this scope of work is to further study and evaluate options identified by the NBA water users on July 23, 2014. These options include continued screening and review of selected capital improvement options and the further study and testing of selected chemical treatment options.

During the July meeting, NBA water users determined that achieving the ultimate NBA design capacity of the 175cfs is not essential and reduced the capacity goal to approximately 162cfs, which is the estimated capacity of the NBA with a 10th pump at Barker Slough with removal of the *C. caspia*. Chemical treatment options would still be evaluated to maintain the current design capacity of 154 cfs. This scope includes developing conceptual engineering design and estimated operational costs for 10 and 20 years.

## **Scope of Work**

### **Task 1: Conceptual Engineering Review of Capital Projects**

The purpose of this task is to evaluate select Capital Projects at a conceptual level that have the potential to reach a capacity of approximately 162 cfs with and without having to use chemical or mechanical treatment to remove *C. caspia*. The following capital projects have been identified by the Agency for further study at an initial screening level of analysis:

- Smaller parallel pipeline
- Pipeline encasement at vulnerable pressure locations
- New booster pump(s)
- Tenth pump at Barker Slough with scheduled pigging and / or chemical treatment
- Vallejo Intertie



CDM Smith will provide an engineering review of each of the options and screen the options based upon project goals, objectives, and cost (using best engineering judgment) to arrive at three options to carry forward for conceptual engineering design and costing. We will review the initial options screening with the Agency. Based on these conceptual designs, we will develop a concept-level estimate of operating cost for three of the options over a 10-year and 20-year period. The table below identifies the major activities that will be needed to analyze each of the options. It will not be necessary to specifically evaluate flow at 154 cfs for the capital option in Table 1 (performed for the chemical and mechanical treatment options) because we expect that it will not provide significantly different cost or operational results than flow at approximately 162cfs.

Table 1: Capital Options for Initial Screening	
Option	Study Items
Parallel Pipeline	<ul style="list-style-type: none"> <li>Hydraulic spreadsheet model to determine the optimal pipeline length and diameter for a capacity of 162 cfs</li> <li>Screening level capital and operational cost</li> </ul>
Booster Pump station	<ul style="list-style-type: none"> <li>Hydraulic spreadsheet model of the existing alignment's HGL at 154 cfs and 162 cfs (and if practical, up to a maximum of 175 cfs) to help determine the section of pipeline suitable for the booster pump station(s)</li> <li>Screening level capital and operational cost</li> </ul>
Pipeline encasement	<ul style="list-style-type: none"> <li>Use of the developed spreadsheet model of the system to determine pumps that can deliver the higher discharge heads required for 162 cfs (without chemical and / or mechanical cleaning of the pipeline), including the HGL to determine sections of the pipeline where the pressure rating is exceeded</li> <li>Develop encasement design approach</li> <li>Screening level capital and operational cost</li> </ul>
10 <sup>th</sup> pump at Barker Slough	<ul style="list-style-type: none"> <li>Using the existing spreadsheet model, confirm that it predicts system performance of 162 cfs with addition of the 10th pump</li> <li>Perform a sensitivity analysis using the model to predict the range of flows with various levels of C. Caspia fouling of the pipeline</li> <li>Screening level capital and operational cost</li> </ul>
Vallejo Intertie	<ul style="list-style-type: none"> <li>Evaluate a possible intertie between the Vallejo Cache Transmission Pipeline and the NBA Transmission Pipeline</li> <li>Hydraulic spreadsheet model to determine the optimal intertie pipeline size for total system capacities of approximately 162 cfs</li> <li>Screening level capital and operational cost</li> </ul>

*Deliverable:* For the five options above we will further develop conceptual engineering of the three best options including a site or alignment schematic, estimated capital and O&M costs for 10 and 20 years periods. This information will be provided in a final conceptual design report.

*Assumptions:*

- Agency will provide existing plans, drawings and operational costs of existing NBA and Vallejo facilities.
- Vallejo facilities information will also include existing Cache Slough pump station information with pump and system curves, pump horsepower, etc.
- Agency will provide any estimates of environmental and construction impediments related to ESA/wetland mitigation needs.

## **Task 2: Review Select Chemical Treatment Options**

This task will evaluate two chemical treatment options to control *C. caspia* in more detail: chlorine dioxide and copper. This task will entail working with Bryo Technologies (BryoTech) on the *C. caspia* mortality for each chemical. This task will also evaluate the impact that these two chemicals might have on the water users' water treatment plants and wastewater treatment plants.

### **Task 2.1 Copper**

**Task 2.1.1 Copper Toxicity Studies with High DOC Water:** CDM Smith will work with BryoTech on the sensitivity of copper toxicity with water containing dissolved organic carbon (DOC). The toxicity of copper will decrease with increased DOC and understanding this relationship will help with estimating dosing, timing and frequency. We will use Barker Slough and Campbell Lake water to represent varying DOC concentrations in NBA water. We will develop a study protocol based upon historic DOC concentration data in the Barker Slough. Tentatively, the protocol will have BryoTech Run three mortality tests at different DOC concentrations using the previous effective copper dosing concentration of 1 mg/L to develop a toxicity response curve.

*Deliverables:* Copper study protocol

*Assumptions:*

- Agency will provide Barker Slough and Campbell Lake water to BryoTech.
- Agency will contract with BryoTech
- BryoTech will perform services in a reasonable period of time – estimated at two months.

**Task 2.1.2 Document Water Treatment Plant Process and Operations:** Concurrent to the BryoTech study, CDM Smith will request process information from the six water treatment plants for copper removal effectiveness and how copper will affect the treatment plants' operation. Using our water treatment plant experience, we will estimate the effectiveness of the treatment plants' processes for copper removal effectiveness. We will request each plant's annual sludge accumulation rate and disposal procedures. This task will also request from the treatment plant operators a plant's ability or current practice to use other source water during potential chemical dosing, define the temporal limitations for outages and increased organics, and identify any cumulative copper residual from copper treatment periodically used in the Putah South Canal. CDM Smith will develop a questionnaire for the above information, which will then be sent to each of the plants' operators by SCWA.

*Deliverables:* Water treatment plant questionnaire draft and final for agency review

*Assumptions:*

- Treatment plants managers will provide annual sludge accumulation rates, plants estimated copper removal efficiency and plant operational information as detailed in the task.
- Agency will be responsible for sending the data questionnaire and any follow-up.

**Task 2.1.3 Develop an Initial Copper Treatment Protocol:** CDM Smith will develop an initial copper treatment protocol over a 12 month period to functionally eliminate capacity reductions caused by *C. caspia*. Using the results of the Bryotech study we will develop a working hypothesis on copper treatment (contact time, dosage, and frequency) over a 12 month period as a function of flow, DOC levels, estimated *C. caspia* growth rates and other factors. Using this working hypothesis we will estimate the total fate of copper in the system including the expected concentration and quantity of copper (mass) at each treatment plant. This task will include an analysis of the ability to bleed off peak copper dosing events at the Travis Surge Tank.

The above activities will provide an estimate of residual copper concentration in water treatment plant sludge after 12 months and its acceptability for land disposal. Above activities will provide an estimate of the soluble copper concentration and mass entering the water distribution system with eventual delivery to the wastewater treatment plant and discharge to receiving waters. A mass balance spreadsheet will be used to estimate fate of copper. Results will likely be presented as an upper and lower concentration at each point of measurement (entering the plant, removed by the treatment process, entering the water system and discharging from the wastewater treatment plant) with a listing of the uncertainties that affect the concentration range.

*Deliverable:* Copper Treatment protocol- included in the final report

**Optional Task 2.1.4 Conceptual Design of Copper Dosing Facility:** *(Contingent on above results of copper testing)* CDM Smith will design a conceptual liquid copper sulfate copper dosing facility. This type of chemical system will require storage tanks, metering pumps, and a stand-by generator. The system would be located as close to the intake as possible, with design considerations to safeguard against accidental releases. The design will rely on the copper treatment protocol in Task 2.1.3 to define dosing, duration, and frequency at flow rates of 154 and 162 cfs.

*Deliverable:* Conceptual copper dosing facility design- included in final report.

*Assumptions:*

- Conceptual design includes approximately 5% completion level drawing containing a mechanical plan view.

## **Task 2.2 Chlorine Dioxide**

**Task 2.2.1 Chlorine Dioxide Toxicity Studies:** CDM Smith will work with BryoTech on testing chlorine dioxide mortality on *C. caspia*. We will develop a testing protocol for chlorine dioxide similar to previous studies conducted by BryoTech with other chemicals. Tentative protocol will apply chlorine dioxide doses of 0.5 mg/l, 1.0 mg/l, and 2.0 mg/l to raw water taken from the NBA and monitor *C. caspia* mortality over a period of 24 hours. Residual chlorine dioxide will be tested using spectrophotometer to understand chlorine dose and response. To ensure the effectiveness of chlorine dioxide application, CDM Smith will work with BryoTech on chlorine dioxide generation at their site prior to the test. We will provide the generation materials for the test and the protocols but will not be present during the testing.

*Assumptions:*

- SCWA to provide test water to BryoTech
- BryoTech can generate chlorine dioxide with CDM Smith provided protocols and materials
- Agency will contract with BryoTech
- BryoTech will perform services in a reasonable period of time estimated at two months.

**Optional Task 2.2.2 Chlorine Dioxide Fact Sheet:** *(Contingent on successful results of above chlorine dioxide work.)* CDM Smith will develop a chlorine dioxide fact sheet for the treatment plant operators which will include information about precursor formation potential (chlorate and chlorite) specific to each plant based upon the type of treatment at each plant shown in Table 2. This fact sheet will be used to obtain feedback from plant operators on chlorine dioxide concerns or limitations and maximum acceptable thresholds for chlorate and chlorite. Results of feedback will be included in the final report.

*Deliverable:* Chlorine dioxide fact sheet - draft and final

*Assumptions:*

- Chlorine dioxide precursor formation potential will be based upon the treatment plant process as identified in Table 2.

**Table 2: NBA Affected Water Treatment Plants**

Name of WTP	Agency	Size of WTP (mgd)	Water Sources	Type of Treatment
Travis WTP	Vallejo	7.5	NBA, PSC	Conventional [Pre ozone, coag/floc, sed, filtration (dual media GAC/sand)]
North Bay Regional WTP	Vacaville & Fairfield	40	NBA, PSC	Conventional [Pre & post ozone, coag/floc, sed, filtration (dual media GAC/sand/gravel)]
Benicia WTP	Benicia	12	NBA, PSC, Lake Herman	Conventional [Coag/floc, filtration (dual media GAC/sand/gravel)]
Fleming Hill WTP	Vallejo	42	NBA, PSC	Conventional [Pre & Inter Ozone, coag/floc, sed, ozonation, filtration (GAC/sand/gravel)]
Jamieson Canyon WTP	Napa	20	NBA	Conventional [Pre ozone, coag/floc, sed, filtration (sand/anthracite)]
American Canyon WTP	Am Canyon	3.5	NBA	Conventional Plant & Membrane Plant
*Calistoga (Receives treated NBA water from the City of Napa)				

**Optional Task 3: Combined Mechanical and Chemical Treatment** (*Contingent on above copper and chlorine dioxide work*) Information previously provided to the Agency in TM-1 generally illustrated that pigging alone would not be an ideal solution because of the frequency of occurrence and the potential for propagation of *C. caspia* further down into the untreated reach. However, it may be beneficial to rotate between chemical and mechanical treatment to reduce the amount of chemical required or the number of flow outages during pigging events. Based upon the results of the chemical dosing tasks, pigging will be evaluated together with a reduced chemical usage strategy.

CDM Smith will develop a conceptual design cost for a pig launching station and operations and will evaluate the Travis Surge Tank and Reservoir as a location to divert and manage the waste. We will develop one potential scenario combining pigging with copper usage to estimate operational costs including waste management and disposal over a 10 and 20 year period of operations. This scenario will likely be a low and high cost range based upon any uncertainties in the frequency of the operations. The copper dosing facility operations and costs will serve as a proxy for chlorine dioxide if this chemical is found to be effective.

Mr. Rabidoux  
September 23, 2014  
Page 7

*Deliverable:* Conceptual design for a pig launching station with one potential scenario combining pigging with copper usage- included in the final report.

*Assumptions:*

- Option will control and not eradicate *C. caspia*
- Costs for the copper treatment facility are the same as Task 2.1.3. Dose and frequency will vary.

#### **Task 4: Report of Findings**

We will develop a Report of Findings that combines the above three tasks. We will develop screening level cost using best engineering judgment for all of the alternatives and rationale for advancing up to three alternatives for additional design and cost estimating. Where conceptual designs are required, we will include an alignment or layout schematic, major components, and projected O&M for 10 and 20 years. For the chemical treatments, we will provide detailed description of the chemical's viability and any uncertainties.

The report will be formulated so that the benefits and impacts of a particular option are clearly tracked to each of the six water treatment plants. We will develop matrix evaluations of these benefits and impacts to the treatment plants to allow all of the NBA water users to understand how each is affected.

*Deliverables:* Draft and Final Report of Finding in electronic format.

*Assumptions:*

- If draft report is distributed to water users, Agency will be responsible for compiling a single set report comments.

#### **Task 5: Meetings and Management**

This task included the general management of the project and the quality assurance review of all developed technical materials. Given the uncertainty and potential interrelationship of the above tasks, CDM Smith has budgeted for one meeting at the Agency's Office potentially following the completion of chemical testing (Tasks 2.1.2 and 2.2.1) to assess the future analysis of the options including the development of a copper treatment protocol.



Mr. Rabidoux  
September 23, 2014  
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### **Schedule**

The above task items are contingent upon the timing of the BryoTech studies and outreach to the treatment plants by the Agency. CDM Smith estimates that the scope of work could take between 3 and 6 months.

### **Cost**

Our estimated level of effort for this work is provided in the attached spread sheet.

Sincerely,

A handwritten signature in black ink, appearing to read "Ben Swann".

Ben Swann  
Project Manager  
CDM Smith Inc.

### **Attachments:**

- Phase 2 Cost Estimate

**EXHIBIT B**

**RATE OF COMPENSATION**

		LABOR: CATEGORY, RATE, HOURS & COST (RAW LABOR COST ONLY)																				TOTAL	
	PROJECT TASKS & SUBTASKS	Project Manager		Senior Engineer		Project Engineer		Engineer 4		Engineer 2/3		CADD		CCI- cost estimator		Contract/Project Admin		Admin		Labor Totals			ODCs
		85	\$/hr	85.00	\$/hr	65.00	\$/hr	50	\$/hr	35	\$/hr	45	\$/hr	45	\$/hr	40	\$/hr	25	\$/hr	(Raw)			
		hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$		\$
TASK 1	Conceptual Engineering Review of Capital Projects	6	\$510	8	\$680	45	\$2,925	130	\$6,500	80	\$2,800	40	\$1,800	20	\$900	8	\$320	0	\$0	317	\$13,735	\$0	\$43,265
Task 2.1.1	Copper Toxicity Studies with High DOC Water	2	\$170	0	\$0	2	\$130	8	\$400	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	12	\$700	\$0	\$2,205
Task 2.1.2	Document Water Treatment Plant Process and Operations	2	\$170	4	\$340	8	\$520	20	\$1,000	8	\$280	0	\$0	0	\$0	0	\$0	0	\$0	42	\$2,310	\$0	\$7,277
Task 2.1.3	Develop an Initial Copper Treatment Protocol	2	\$170	2	\$170	4	\$260	40	\$2,000	36	\$1,260	0	\$0	0	\$0	0	\$0	0	\$0	84	\$3,860	\$0	\$12,159
Task 2.1.4	Conceptual Design of Copper Dosing Facility	1	\$85	4	\$340	8	\$520	20	\$1,000	20	\$700	12	\$540	10	\$450	0	\$0	0	\$0	65	\$2,645	\$0	\$8,332
Task 2.2.1	Chlorine Dioxide Toxicity Studies	1	\$85	2	\$170	4	\$260	8	\$400	4	\$140	0	\$0	0	\$0	0	\$0	0	\$0	19	\$1,055	\$300	\$3,623
Task 2.2.2	Chlorine Dioxide Fact Sheet	1	\$85	4	\$340	4	\$260	12	\$600	8	\$280	0	\$0	0	\$0	0	\$0	0	\$0	29	\$1,565	\$0	\$4,930
Task 3	Combined Mechanical and Chemical Dosing	2	\$170	2	\$170	12	\$780	40	\$2,000	40	\$1,400	12	\$540	0	\$0	0	\$0	0	\$0	108	\$4,520	\$0	\$14,238
Task 4	Report of Findings	4	\$340	8	\$680	20	\$1,300	40	\$2,000	40	\$1,400	10	\$450	0	\$0	12	\$480	7	\$175	141	\$6,375	\$0	\$20,081
Task 5	Meetings and Management	24	\$2,040	0	\$0	4	\$260	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0		\$0	28	\$2,300	\$50	\$7,295
	TOTALS (Non-Optional Items)	41	\$3,485	24	\$2,040	87	\$5,655	246	\$12,300	168	\$5,880	50	\$2,250	20	\$900	20	\$800	7	\$175	643	\$30,335	\$350	\$95,905


# SOLANO COUNTY WATER AGENCY



## MEMORANDUM

Agenda Item No. 7

**TO:** Board of Directors

**FROM:** David B. Okita, General Manager 

**DATE:** October 9, 2014

**SUBJECT:** October General Manager's Report

---

October is the beginning of a hydrologic new year. Water year 2013/2014 was the third driest year in the 80+ years they have been keeping these types of records. What will 2015 bring? Even if it is a normal rainfall year we expect that State Water Project deliveries will be significantly reduced due to low beginning reservoir storage. Also, since our cities have used up much of their State Water Project carryover water from prior years, there would be more reliance on Solano Project water. Fortunately, we will have 100% Solano Project supplies in 2015 as Lake Berryessa is still above 50% capacity.

All water agencies are preparing for continuation of drought conditions and will be taking actions as the rainfall season progresses. In Solano County we really will not know if we are in drought conditions again until at least January when we are in the heart of the local rainfall season. We are working closely with our cities and districts on preparing for continuation of drought conditions.

At the Delta Working Group, the Group has been having a good discussion on water conservation, urban water management planning and public outreach. We will agendize a discussion of these issues at the SCWA Board at either the November or December Board meeting.

If you have any questions, please contact me at 455-1103 or [dokita@scwa2.com](mailto:dokita@scwa2.com).

Oct.2014.It7.mem.doc

P.O. Box 349 • 6040 Vaca Station Road, Building 84  
Elmira, California 95625-0349  
Phone (707) 451-6090 • FAX (707) 451-6099  
[www.scwa2.com](http://www.scwa2.com)



Time Period Covered: September 2014

**REPORT OF CONSTRUCTION CHANGE ORDERS AND  
CONTRACTS APPROVED BY GENERAL MANAGER  
UNDER DELEGATED AUTHORITY**

**Construction Contract Change Orders (15% of original project costs  
or \$50,000, whichever is less)**

**Construction Contracts (\$30,000 and less)**

Wetland Construction - \$5,500 – Guyan culvert maintenance

**Professional Service Agreements (\$30,000 and less)**

**Non-Professional Service Agreements (\$30,000 and less)**

**Construction contracts resulting from informal bids authorized by SCWA  
Ordinance**

Note: Cumulative change orders or amendments resulting in exceeding the dollar limit need Board approval.

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: October 9, 2014

SUBJECT: Budget Projections and Reserve Fund Policy

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RECOMMENDATIONS:


1. Approve format for budget projections to be used in future budgets.
2. Approve modifications to the Reserve Fund Policy.

FINANCIAL IMPACT:

There is no financial impact from the budget and reserve fund actions.

BACKGROUND:

1. During the review of the FY 14/15 budget, the Executive Committee, acting as the Budget Review Committee, suggested that staff develop multiple year budget projections for future fiscal years. During approval of the budget, the Board concurred and staff was directed to develop the budget projections. The Board also requested a more detailed Reserve Fund Policy. Included with this Agenda Item is a schedule that includes Budget Projections for FY's 2015/16, 2016/17, and 2017/18. The schedule also includes the Adopted 2014/15 Budget and two years of previous actual budget history to allow the reader to view budget trends. If the Board approves this format, these schedules will be included in future budget documents. A second Budget Projection schedule provides Fund Balance Summaries based on the Budget Projections. The projections show that, given the assumptions, fund balances remain relatively stable and provide the opportunity to fund future capital-type projects based the Board's Reserve Fund Policy.
2. Attached is an updated Reserve Fund Policy for consideration of approval by the Board. As requested, the updated policy provides more written narrative that explains the reserve funding categories and explains the need for these reserve funds.

Recommended: 

David B. Okita, General Manager

☐

Approved as  
recommended

☐

Other  
(see below)

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Modification to Recommendation and/or other actions:

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I, David B. Okita, 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 October 9, 2014 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

---

David B. Okita  
General Manager & Secretary to the  
Solano County Water Agency

**SOLANO COUNTY WATER AGENCY  
SCHEDULE 8  
ALL FUNDS SUMMARY - BY ACTIVITY  
BUDGET PROJECTIONS**

DETAIL BY REVENUE CATEGORY AND EXPENDITURE CATEGORY	2012/13 ACTUAL	2013/14 ACTUAL	2014/15 ADOPTED	2015/16 PROJECTION	2016/17 PROJECTION	2017/18 PROJECTION
<b>Revenues</b>						
Taxes	17,319,710	16,905,774	16,836,986	17,005,356	17,175,410	17,357,057
Water Sales	2,373,203	2,614,429	2,492,255	2,499,492	2,326,801	2,332,383
Grant Revenues	1,059,456	1,178,923	3,527,055	-	-	-
Investment Income	120,090	56,657	53,355	50,105	46,726	47,211
Labor & Ovhd Distr.	2,265,021	2,448,784	2,722,502	2,760,029	2,798,136	2,836,837
Other Revenue	674,646	736,406	492,725	425,500	428,312	331,162
<b>Total Revenues</b>	<b>23,812,126</b>	<b>23,940,973</b>	<b>26,124,877</b>	<b>22,740,482</b>	<b>22,775,385</b>	<b>22,904,650</b>
<b>Expenditures</b>						
Salaries and Employee Benefits	1,714,063	1,862,271	2,154,400	2,200,208	2,247,014	2,299,168
Services and Supplies	748,347	797,696	823,560	854,339	861,382	868,496
Operations & Maintenance	3,314,226	3,523,319	4,385,197	4,553,049	4,550,218	4,597,682
LPCCC Operations	737,585	793,166	939,998	955,383	971,053	987,012
Rehab & Betterment	291,811	761,550	2,960,000	515,250	415,503	305,758
Water Purchases	11,179,540	11,659,955	9,822,918	10,931,837	11,388,919	11,411,533
Grant Expenditures	1,763,714	1,397,533	4,845,990	-	-	-
Flood Control	105,145	84,838	705,962	150,874	152,383	153,907
HCP Planning	644,218	618,885	679,516	458,114	247,185	250,326
Water Conservation	1,044,324	1,598,446	1,754,879	2,167,352	2,190,606	2,054,312
Consultants	1,121,917	878,147	1,212,299	1,020,830	1,028,688	1,036,625
Fixed Assets	155,261	348,308	741,500	-	-	-
Contingency	-	-	251,000	251,000	251,000	251,000
<b>Total Expenditures</b>	<b>22,820,151</b>	<b>24,324,114</b>	<b>31,277,219</b>	<b>24,058,235</b>	<b>24,303,951</b>	<b>24,215,819</b>
<b>Total Net</b>	<b>991,975</b>	<b>(383,141)</b>	<b>(5,152,342)</b>	<b>(1,317,753)</b>	<b>(1,528,567)</b>	<b>(1,311,169)</b>

**Key Budget Projection Assumptions**

1. Inflation rate of 1% increase per year, property taxes escalate at 1% per year.
2. Salary and Employee Benefits are increased by 2%. Health insurance cost generally increase at a rate greater than inflation. Retirement costs are increased by 1% (percentage of compensation) per year which has been the typical rate increase for several years and then increases in 17/18 when CalPERS is implementing cost increases.
4. LPCCC grant expenditures are paid 100% from grant revenues and due to the unpredictability of implementation timing they have been excluded from projections.

**SOLANO COUNTY WATER AGENCY  
SCHEDULE 9  
ALL FUNDS SUMMARY  
BUDGET PROJECTIONS**

<b>FUND NAME</b>	<b>FUND BALANCE JUNE 30, 2013 (AUDITED)</b>	<b>FUND BALANCE JUNE 30, 2014 (UNAUDITED)</b>	<b>FUND BALANCE JUNE 30, 2015 ADOPTED BUDGET</b>	<b>FUND BALANCE JUNE 30, 2016 PROJECTED</b>	<b>FUND BALANCE JUNE 30, 2017 PROJECTED</b>	<b>FUND BALANCE JUNE 30, 2018 PROJECTED</b>
ADMIN - SOLANO PROJECT - WM	19,700,634	20,839,555	16,797,015	16,371,825	16,294,784	16,320,825
STATE WATER PROJECT	12,186,954	10,412,495	9,206,667	8,126,342	6,485,281	4,956,756
ULATIS FLOOD CONTROL	3,968,488	4,175,534	4,271,358	4,459,054	4,648,658	4,840,176
GREEN VALLEY FLOOD CONTROL	(52,735)	(7,384)	(7,182)	(7,116)	(7,185)	(7,387)
<b>Total All FUNDS</b>	<b>35,803,341</b>	<b>35,420,200</b>	<b>30,267,858</b>	<b>28,950,105</b>	<b>27,421,538</b>	<b>26,110,369</b>

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# **Solano County Water Agency**

## **Reserve Fund Policy**

The purpose of the Reserve Fund Policy is for proper allocation of reserve funds to protect the ability to fund capital projects.

For auditing purposes, the funds do not represent separate governmental funds but rather the Agency maintains the funds as one governmental fund with each separate fund having a reserve balance. This policy provides guidance for the allocation of each fund's reserve balance.

The Solano Project fund is a "General Fund" for the Agency meaning that its revenues can be used to fund anything under the legal scope of the Agency. Revenues for the State Water Project, and Ulatis and Green Valley Flood Control Projects can only be used for those specific projects, so the reserve funds must be segregated.

The Agency is financially responsible for two major water supply projects, the Solano Project and the North Bay Aqueduct of the State Water Project. Additionally the Agency has maintenance responsibility for two flood control projects, the Ulatis and Green Valley flood control projects. The Solano Project was built in the 1950's and has significant future financial needs for rehabilitation projects and improvements. The Agency is also contemplating the North Bay Aqueduct Alternate Intake Project with a capital cost of over \$500 million. Clearly the Agency has future financial obligations that will need to be funded through a possible combination of use of reserves and financing.

The Agency seeks maximum flexibility to fund these future projects and the Reserve Fund Policy provides the Agency with financial options.

The components of the Agency reserve funds are found in a Schedule (attached) included in each Fiscal Year's adopted budget. There are separate reserves for all four Agency funds: Solano Project and Administration, State Water Project, Ulatis Flood Control Project and Green Valley Flood Control Project. The small Green Valley Project has not accumulated any reserves. There is also a line for "Other Flood Control Projects" and an "Emergency Reserve".

For each of the three major funds there is a further breakdown of the reserves. Each has an "Operating Reserve" and a "Capital Reserve" explained below.

### **Operating Reserves**

The purpose of operating reserves is to provide the Agency with working cash flow due to fluctuations in revenue streams. The Agency needs to fund ongoing operating expenses prior to the receipt of the majority of its revenues from the County of Solano property tax collections which are available in December and April. The Operating Reserve balance is determined by calculating six months of projected operating expenses for each fund.

## **Capital Reserves**

Solano Project - Future capital projects include rehabilitation and improvements to Solano Project major facilities: Monticello Dam, Putah Diversion Dam, and the Putah South Canal. The Solano Project was completed in 1957 at an original cost of \$40 million. An example of a future capital cost is replacement of the Putah South Canal concrete canal liners that have a useful life varying from 50 to 75 years. Because replacement costs are high for the Solano Project a considerable reserve should be maintained for this purpose. The Solano Project also has a specific Rehabilitation & Betterment Reserve used to fund planned capital projects that are identified in the Five-Year Rehabilitation and Betterment Plan which is updated each year. The amount of this reserve varies each year as projects are completed and new projects are added.

State Water Project – Future capital projects include the NBA Alternate Intake Project. Although the timeline and final costs for this project have yet to be determined, the estimated costs of the capital projects will be at a minimum of \$550 million. Any replacement of the NBA will be financed by the State, but the Agency could accumulate funds to buy-down the financed debt. The Agency may also be required to pre-fund costs prior to construction. The amount to be allocated to the State Water Project Capital Reserve is the balance remaining after the allocation to the State Water Project Operating Reserves.

Ulati Flood Control Project– Future potential capital projects are listed in the schedule. The amount to be allocated to the Ulati Project Capital Reserve is the balance remaining after the allocation to the Ulati Operating Reserves.

## **Other Flood Control Projects**

This is a reserve for flood control projects that are not part of the Ulati and Green Valley Flood Control Projects. The Agency has a funding policy that specifies the types of projects eligible for funding and cost sharing requirements. There are currently no specific projects identified for this fund. The funding amount for Other Flood Control Projects reserve is at the discretion of SCWA Board of Directors.

## **Emergency Reserve**

This reserve provides funding for needs in the event of an emergency or unforeseen event, such as major flooding or an earthquake. The funding amount for the Emergency Reserve is at the discretion of SCWA Board of Directors.

**Solano County Water Agency  
Reserve Funds - All Funds**

**SOLANO COUNTY WATER AGENCY  
SCHEDULE 6  
RESERVE FUND - All FUNDS  
FY 2014/15**

DETAIL BY FUND RESERVE CATEGORY	PROJECTED LONG-TERM CAPITAL PROJECTS	RESERVE FUND FY 13/14 APPROVED MAY 2013	CHANGE	RECOMMENDED RESERVE FUND FY 14/15
<b>Solano Project/Admin</b>				
Solano Project/Admin Operating Reserve		2,873,000	1,337,477	\$ 4,210,477
Solano Project/Admin Rehabilitation & Betterment Reserve <sup>1</sup>		2,000,000	(560,000)	1,440,000
Solano Project Capital Reserve		10,534,055	(1,653,601)	8,880,454
Putah South Canal Power line	750,000			
Putah Diversion Office Solar Installation	100,000			
Terminal Dam Seismic Retrofit (SCWA 15% share)	6,000,000			
Putah South Canal Sediment Management - est	10,000,000			
	<u>16,850,000</u>			
<b>Solano Project/ Admin Subtotal</b>		<b>15,407,055</b>	<b>(876,124)</b>	<b>14,530,931</b>
<b>State Water Project</b>				
State Water Project Operating Reserves		5,473,000	(158,714)	5,314,286
State Water Project Capital Reserve		2,424,463	278,105	2,702,568
<b>State Water Project Subtotal</b>		<b>7,897,463</b>	<b>119,391</b>	<b>8,016,854</b>
<b>Ulati Project</b>				
Ulati Project Control Project Operating Reserve		235,000	118,259	353,259
Ulati Flood Control Project Capital Reserve		3,664,002	126,056	3,790,058
Giant Garner Snake Preserve (cost shared)	1,400,000			
30 Grade Control Structures	750,000			
All Weather Access Improvements	500,000			
Spoil Easement Purchases	100,000			
Heavy Equipment Acquisitions	100,000			
	<u>2,850,000</u>			
<b>Ulati Project Subtotal</b>		<b>3,899,002</b>	<b>244,315</b>	<b>4,143,317</b>
<b>Green Valley Project</b>				
Green Valley Flood Control Project Operating Reserve		-	-	-
<b>Green Valley Project Subtotal</b>		<b>-</b>	<b>-</b>	<b>-</b>
Other Flood Control Projects		200,000	-	200,000
Emergency Reserve		1,000,000	-	1,000,000
<b>Total</b>		<b>\$ 28,403,520</b>	<b>(512,418)</b>	<b>\$ 27,891,102</b>

**Notes**

1. Include R & B projects planned for the next 4 years

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE:           October 9, 2014

SUBJECT:    Recruitment for General Manager Position

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RECOMMENDATIONS:

- 1. Authorize staff to issue a Request for Proposal to executive search companies for recruitment of a new General Manager.
- 2. Direct SCWA Executive Committee to screen proposals and make a recommendation to the Board on an executive search company for a decision at a future Board meeting.

FINANCIAL IMPACT:

There is \$10,000 of unallocated consultant funds in the Administration budget and the Board approved a larger contingency (increase from \$10,000 to \$100,000) in the Administration budget for this fiscal year.

BACKGROUND:

The General Manager has indicated that he desires to retire in 2015, but is flexible in the specific date to provide for a smooth transition. The Executive Committee recommends that the Board hire an executive search company to conduct the recruitment.

Recommended: SCWA Executive Committee

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<input type="checkbox"/>	Approved as recommended	<input type="checkbox"/>	Other (see below)
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Modification to Recommendation and/or other actions:

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I, David B. Okita, 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 October 9, 2014 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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David B. Okita  
General Manager & Secretary to the  
Solano County Water Agency