

**NORTH BAY WATER REUSE AUTHORITY  
TECHNICAL ADVISORY COMMITTEE**

Monday, December 16, 2013

Agenda

Novato Sanitary District, 500 Davidson Street, Novato, CA 94945  
Conference call number is available for consultants not attending meeting  
1-866-906-7447, passcode 2428170#  
9:30 a.m.

	1.		Call to Order and Self Introductions
<b>Pages 1 - 2</b>	2.	Action	Approval of Agenda
	3.		Public Comments
<b>Pages 3 - 4</b>	4.	Action	Consent Items a. November 18, 2013 TAC Meeting Minutes
<b>Pages 5 - 6 Pages 7 - 11 Page 12</b>	5.	Information	Report from the Program Manager a. Consultant Progress Reports – November 2013 b. Action Items from November 18, 2013 Meetings
<b>Page 13 Page 14</b>	6.	Information	Financial Report a. Consultant Cost Tracking through November 30, 2013 b. Authorization for Sonoma County Water Agency to Amend the Agreement with CDM Smith for Phase 2 Support, including the Phase 2 Scoping Study, for an Additional \$5,000 from the Approved Contingency Fund c. SCWA Trust Accounting Worksheets
<b>Pages 16 - 25</b>		Action	
		Information	
<b>Pages 26 - 33</b>	7.	Action	TAC Study Session – Finalize List of Projects in the Phase 2 Scoping Study to be Included in the Phase 2 Feasibility Study
<b>Pages 34 - 40</b>	8.	Information	Proposed Budgets for FY14/15, FY15/16, and FY16/17
<b>Pages 41 - 42</b>	9.	Information	Update on Phase 2 Feasibility Study Content and Efforts to Secure Funds
	10.	Information	Program Development – Federal Advocacy Update
<b>Pages 43 - 44</b>	11.	Information	State Advocacy Update
	12.	Information	Outreach Program Report
	13.	Information	Status of WaterSMART Grants and Applications
	14.	Information	Proposition 84 – Integrated Regional Water Management Program Update and Status
	15.	Information	EIR/EIS Issues Update
<b>Page 45</b>	16.	Action	Meeting Dates for the rest of 2014 and beyond
	17.	Information	Items from Committee, Agency Staff, or Consultants

	18.	Information	Items for Next Agenda (January 27, 2014 at Novato City Hall)
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The North Bay Water Reuse Authority complies with ADA requirements and will attempt to reasonably accommodate individuals with disabilities upon request. Please contact **Chuck Weir at 510-410-5923** with any questions.

**North Bay Water Reuse Authority  
Technical Advisory Committee  
Minutes  
November 18, 2013**

**1. Call to Order and Self Introductions**

Chair James called the Technical Advisory Committee (TAC) meeting to order at 11:23 a.m. on Monday, November 18, 2013. The meeting was held at Novato City Hall Council Chambers, 901 Sherman Avenue, Novato, CA 94945.

## Committee Members Present

Beverly James, Chair	Novato Sanitary District
Tim Healy, Vice Chair	Napa Sanitation District
Pam Jeane	Sonoma Valley County Sanitation District
Drew McIntyre	North Marin Water District
Phillip Miller,	County of Napa
Dan St. John	City of Petaluma
Paul Sellier	Marin Municipal Water District
Renee Webber	Sonoma County Water Agency
Mark Williams	Las Gallinas Valley Sanitary District

## Others Present

Chuck Weir, Program Manager	Weir Technical Services
Marc Bautista	Sonoma County Water Agency
Kevin Booker	Sonoma County Water Agency
Bill Brick	CDM Smith
Ginger Bryant	Bryant & Associates
Grant Davis	Sonoma County Water Agency
Barry Dugan	Data Instincts
David Iribarne	City of Petaluma
Andria Loutsch	CDM Smith
Susan McGuire	Las Gallinas Valley Sanitary District
Mark Millan	Data Instincts
Pilar Oñate-Quintana	The Oñate Group
Jim O'Toole	Environmental Science Associates
Michael Savage	Brown & Caldwell
Jake Spaulding	Sonoma County Water Agency
Jeff Tucker	Napa Sanitation District

**2. Approval of the Agenda**

The Agenda was unanimously approved as presented.

**3. Public Comments**

There were no public comments.

#### 4. Consent Items

##### 4.a October 21, 2013 TAC Meeting Minutes

The minutes were unanimously approved as presented.

#### 5. Report from the Program Manager

##### 5.a. Action Items from the October 21, 2013 Meetings

The TAC reviewed the list of action items and noted that all items are on track. Beverly James and Ginger Bryant discussed their meeting with Marin County Supervisor, Steve Kinsey, and noted that he had a regular conflict with the third Thursday meeting schedule. The Program Manager discussed an email he had received from Liza Crosse, Aide to Supervisor Kinsey, and that he had asked her for alternate dates.

#### 6. Summarize Board Meeting and List Action Items

Action items included the following:

- a. The Program Manager will work with the TAC and Board to try to find an alternate Board meeting date.
- b. The Board authorized applying for the 2014/15 WaterSMART Construction Grant for Phase 1 projects.
- c. The Board authorized applying for the 2014/14 WaterSMART Phase 2 Feasibility Study Grant.
- d. Member agencies need to get final comments on Sections 4 and 5 to Andria Loutsch such that decisions on finalizing the list of projects can be made at the December 16, 2013 TAC meeting.

#### 7. Items from the Committee, Agency Staff, or Consultants

Ginger Bryant discussed plans for a D.C. trip in February 2014. There was a possibility of trying to combine the trip with CASA/ACWA meetings, but that does not seem to work. A separate time will likely need to be scheduled.

#### 8. Items for the Next Agenda

Items for the December 16, 2013 Agenda include:

- a. Update on alternate Board meeting dates.
- b. TAC workshop on the Phase 2 project list.
- c. Possible updates scopes and costs for agreements to begin July 1, 2014
- d. Regular update items.

Chair James adjourned the meeting at 11:31 a.m.

**NEXT MEETING INFORMATION:** *Next meeting will be at Novato Sanitary District, Novato, CA on December 16, 2013.*

C:\Users\Chuck\Documents\Weir Technical Services\NBWRA\Agendas\2013\2013-11\2013\_11\_18\_NBWRA\_TAC\_Minutes.docx

**ITEM NO. 5 REPORT FROM THE PROGRAM MANAGER**

The Report from the Program Manager includes the following items:

5.a Consultant Progress Reports

Consultant Progress Reports for November 2013 are attached for the TAC's information.

5.b Action Items from November 18, 2013 Meetings

The list of Action Items is attached for the TAC's information. All items are completed or in progress.

In an effort to save paper, brief summaries of other agenda items are described below:

6. Financial Report

Please refer to the separate report for this item.

7. TAC Study Session – Finalize List of Projects in the Phase 2 Scoping Study to be Included in the Phase 2 Feasibility Study

Please refer to the email and spreadsheet from Andria Loutsch, Ginger Bryant, Mike Savage, and Bill Brick. Also refer to the PowerPoint that will be the focus of discussion for this item.

8. Proposed Budgets for FY14/15, FY15/16, and FY16/17

Please refer to the separate report for this item.

9. Update on Phase 2 Feasibility Study Content and Efforts to Secure Funds

Ginger Bryant will update the TAC on this item. This item will include possible funds from the Basin Study Program and the Triple Bottom Line (TBL) economic analysis that was briefly discussed at the Board meeting last month.

10. Program Development – Federal Advocacy Update

Ginger Bryant will provide an update for the TAC. There will be some overlap with Item No. 9.

11. State Advocacy Update

Pilar Onate-Quintana will provide an update for the TAC. Also refer to the letters sent to the Senate Rules Committee regarding support for the Governor's appointments to the State Water Resources Control Board. Chair Rabbitt has approved the letters. There were a total of five letters.

12. Outreach Program Report

Mark Millan or Barry Dugan, Data Instincts, will provide an update.

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Agenda Explanation  
North Bay Water Reuse Authority  
Board of Directors  
December 16, 2013

13. Status of WaterSMART Grants and Applications

Participant will provide updates.

14. Proposition 84 – Integrated Regional Water Management Program Update and Status

Participants will provide updates.

15. EIR/EIS Issues Update

Jim O'Toole, ESA, can provide updates.

16. Meeting Dates for the rest of 2014 and Beyond

Please refer to the separate report for this item.

Program Management Services  
Weir Technical Services  
NBWRA Phase 1 and Phase 2  
Sonoma County Water Agency Order Number 7630A5 and Account Number 391029

## **Progress Report**

**November 2013**

### **Task 2.1 Board of Directors and Technical Advisory Committee (TAC) Meeting Management**

- Coordinated and participated in consultant conference call for November 18, 2013 Board and TAC meetings.
- Reviewed news articles from outreach consultant.
- Reviewed consultant progress reports.
- Prepared and distributed Board and TAC November 18, 2013 Agenda packets. Modified Board packet to include updated Phase 2 project costs.
- Drafted November 18, 2013 Board and TAC meeting minutes and revised based on comments received.
- Began process of identifying alternative regular meeting dates for Board meetings.
- Email review and response regarding Gary Darling presentation at January 27, 2014 Board meeting.

### **Task 2.2 Budget Preparation and Reporting**

- Updated FY2013/14 consultant cost summary for October 2013.
- Reviewed Agency financial spreadsheets and included in Board Agenda packet.
- Participated in FY2013/14 Phase 2 Budget discussion with consultant.
- Discussed FY2013/14 Phase 2 budget issues and options with Agency staff.

### **Task 2.3 Project Support and Review**

- Reviewed EIR legal analysis email sent by Agency staff.

### **Task 2.4 Program Planning**

- Prepared November 2013 Progress Report and invoice.

### **Task 2.5 Governance Issues**

- No work was conducted on this task during the period.

### **Task 2.6 Additional Tasks (Optional)**

- No work was conducted on this task during the period.



## **North Bay Water Reuse Program - Program Development Services November 2013 Activity Summary**

### **Activity Summary**

- Participated in contract management call with Renee Webber
- Participated in monthly consultant call with Renee Webber and TFG
- Participated in monthly consulting team call
- Prepared for and attended Board and TAC meetings
  - Program Development Report on DC Meetings and WaterSMART Planning Grant
- Worked with Data Instincts to prepare handouts for DC meetings and prepared website language updates and RIFIA legislative support information
- Discussed USBR Basin studies with MP staff and SCWA
- Briefed Marin Sup Steve Kinsey on NBWRA issues
- Activities in coordination with The Ferguson Group
  - Coordinated with Renee Webber, Roger Gwinn, Mark Limbaugh on monthly consultant call
  - Prepared for and attended Washington DC meetings in support of RIFIA

### **The Ferguson Group Activity Summary (Informational Purposes for TAC)**

- Coordinated with Ginger Bryant and Renee Webber on monthly consultant call
- Continued monitoring Title XVI regional-scale Feasibility Study Grants
- Scheduled and attended meetings with NBWRA representatives in support of RIFIA
- Submitted RIFIA information for ACWA Federal Affairs Committee December meeting in Los Angeles



***North Bay Water Reuse Authority***  
Professional Services by CDM Smith

**November 2013 Progress Report**

**Phase 1 Support**

- Reviewed FY 2014 WaterSMART grant application and contacted agencies for information needs.
- Began drafting WaterSMART application.

**Phase 2 Scoping Study**

- Revised TAC comments on draft report Sections 4 and 5.
- Held project team conference calls to discuss TAC comments and approach for revisions.
- Continued revisions on storage needs, project costs, and report sections.
- Prepared for and facilitated November Workshop 5 presentation.
- Project management activities.

**Federal Grant Reporting Support**

- Communicated with member agencies regarding Reclamation information request; provided update to Reclamation regarding Title XVI activities in 2013.
- Project management activities and project invoicing.

**The Oñate Group**

**NBWRA Monthly Report – November 2013**

This monthly report is provided on behalf of the The Oñate Group and reflects significant activities conducted on behalf of NBWRA during November 2013:

- Continued to monitor/report on issues pertaining to the anticipated rewrite of the 2014 Water Bond. Continued active participation in WateReuse's efforts surrounding the Bond, including ongoing efforts to refine Bond language proposals.
- Worked to coordinate with Assemblymember Levine staff and NBWRA staff prior to his attendance and presentation at the November Board meeting.
- Attended November Board and TAC meetings and provided a legislative update.

Public Outreach Services for North Bay Water Reuse Authority  
**Data Instincts**  
SCWA Order Number 7534A4, Account Number 391029

**Progress Report**

**November 2013**

- Phone calls with project team members for collaboration on preparation of upcoming TAC & Board Workshop and Meetings.
- Attended November 18<sup>th</sup> TAC meeting and Board Workshop.
- Assisted with writing, layouts and printing of collateral materials needed for November visit to Washington DC.
- Updating and maintaining relevant program content and news articles on the site.
- Develop, write and edit article for Wateronline.com
- Work on script for video - Agricultural related use of recycled water and video shoot of Jim Lincoln in Napa.

## NBWRA Board and TAC Short-Term Action Item List

Meeting Date: November 18, 2013

Task	Responsible Party	Due Date	Status	Completion Date
FY13/14 Allocation Invoices to go out July 1, 2013.	Booker	7/31/2013	Invoices out week of July 15. Petaluma paid FY2012/13 on 10/16/13. All agencies except Petaluma have paid FY13/14.	
Review Scoping Study Sections 4 and 5	TAC	11/5/2013	Comments received. Sections updated and data used in Workshop #5 at November 18, 2013 Board meeting. Additional comments expected soon. TAC to discuss list at December 16, 2013 meeting.	
Agreement with B&C for Feasibility Study Grant Application	Booker	11/30/2013	Agreement completed, application in progress	
Submit application for 2014/15 WaterSMART Phase 1 Construction Projects Grant	CDM Smith, Bryant, SCWA, TAC	1/7/2014	In progress	
Submit application for 2014/15 WaterSMART Phase 2 Feasibility Study	B&C, Bryant, SCWA, TAC	1/7/2014	In progress	
SOQ/RFP/Agreement Process	SCWA	4/1/2014	Draft agreements with scopes and costs for Engineering, Environmental, and Outreach Services; Legislative Development Services, and Program Management into SCWA queue for approval.	
Draft Budgets for FY2014/15, FY2015/16, and FY2016/17	Weir	4/1/2014	Revised for SCWA costs and spreading costs equally over all three years. To be reviewed by TAC again at December 16, 2013 meeting.	
Notify Ginger Bryant of attendance at February/March 2014 D.C. meeting.	TAC	12/16/2013	Ongoing	
Consideration of modifying the regular Board meeting date to accommodate Marin County Supervisor Arnold.	Weir	9/30/2013	Supervisor Kinsey to be Marin County Rep. His aide Liza Crosse contacted PM regarding possible change in regular meeting date. Email sent to supervisor Arnold on Sept. 9 forwarded to Crosse regarding providing alternative dates. Email sent Nov. 13. Response received Nov. 19. Options sent to TAC and consultants for consideration. Responses received. No suitable date available. Marin county notified December 6, 2013.	12/6/2013
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

## ITEM NO. 6 FINANCIAL REPORT

**Action Requested:** Item 6.b Authorization for Sonoma County Water Agency to amend the Agreement with CDM Smith for Phase 2 Support, including the Phase 2 Scoping Study, for an additional \$5,000 from approved contingency funds.

6.a Consultant Cost Tracking through November 30, 2013. The Consultant cost tracking for the period ending November 30, 2013 is attached for the TAC's review. Costs for Outreach Services are running high, but plans are in place to stay within the approved budget. Costs for Phase 2 Support for CDM Smith/B&C are also running high with only 9% of the budget remaining. Please refer to Item 6.b for a recommendation.

6.b Authorization for Sonoma County Water Agency to Amend the Agreement with CDM Smith for Phase 2 Support, including the Phase 2 Scoping Study for an additional \$5,000 from the approved Contingency Fund. As noted, only 9% of the budget remains. Costs are running high due to additional meetings and efforts with the TAC to develop a final list of Phase 2 Projects. The agreement is with CDM Smith with Brown & Caldwell action as a sub to them. Amending the agreement to add an additional \$5,000 from contingency funds requires approval of the SCWA Board. Therefore it is recommended that the TAC authorize taking this item to the SCWA Board for approval.

6.c SCWA Trust Accounting Worksheets. This item includes four separate reports:

- c.1 Monthly Project Cost Summary
- c.2 Budget Allocations
- c.3 Transaction Summary – In the Description Column, the blue entries include deposits from the member agencies when they pay their invoices to fund the program. Petaluma made its FY2012/13 payment on October 16, 2013. Petaluma's FY2013/14 payments are still shown as pending.
- c.4 Interest.

### Recommendation

It is recommended that the TAC authorize Sonoma County Water Agency to amend the Agreement with CDM Smith for Phase 2 Support, including the Phase 2 Scoping Study, for an additional \$5,000 from approved contingency funds.

NBWRA FY2013/14 Consultant Cost Tracking

December 11, 2013

**Phase 1 Support**

Month	Weir	Bryant	TFG	CDM Smith	ESA	Oñate	Data Insts.	SCWA	Total
July-13	-	-	-	-	-	-	-	-	-
August-13	-	-	-	-	-	-	-	-	-
September-13	-	-	-	2,295.95	1,492.50	-	-	-	3,788.45
October-13	-	-	-	1,359.20	1,088.75	-	-	-	2,447.95
November-13	-	-	-	4,825.98	-	-	-	-	4,825.98
December-13	-	-	-	-	-	-	-	-	-
January-14	-	-	-	-	-	-	-	-	-
February-14	-	-	-	-	-	-	-	-	-
March-14	-	-	-	-	-	-	-	-	-
April-14	-	-	-	-	-	-	-	-	-
May-14	-	-	-	-	-	-	-	-	-
June-14	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	8,481.13	2,581.25	-	-	-	11,062.38
FY13/14 Budget	-	-	-	50,000.00	10,000.00	-	-	-	60,000.00
Amt Remaining	-	-	-	41,518.87	7,418.75	-	-	-	48,937.62
% Remaining	#N/A	#N/A	#N/A	83.04%	74.19%	#N/A	#N/A	#N/A	81.56%

Note: There is a contingency of \$5,000 for Phase 1 support that is currently unallocated.

**Phase 2 Support, 18-Month Scoping Study and Workshops**

Month	Weir	Bryant	TFG	CDM / B&C	ESA	Oñate	Data Insts.	SCWA	Total
July-13	-	-	1,500.00	10,166.83	-	-	-	-	11,666.83
August-13	-	-	1,500.00	54,933.67	-	-	-	-	56,433.67
September-13	-	-	1,500.00	27,854.47	-	-	-	-	29,354.47
October-13	-	-	1,500.00	42,919.48	-	-	-	-	44,419.48
November-13	-	-	1,500.00	26,549.38	-	-	-	-	28,049.38
December-13	-	-	-	-	-	-	-	-	-
January-14	-	-	-	-	-	-	-	-	-
February-14	-	-	-	-	-	-	-	-	-
March-14	-	-	-	-	-	-	-	-	-
April-14	-	-	-	-	-	-	-	-	-
May-14	-	-	-	-	-	-	-	-	-
June-14	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	7,500.00	332,160.03	-	-	-	-	339,660.03
FY12/13 & FY13/14	-	42,360.00	18,000.00	365,200.00	-	-	-	40,000.00	465,560.00
Amt Remaining	-	42,360.00	10,500.00	33,039.97	-	-	-	40,000.00	125,899.97
% Remaining	#N/A	100.00%	58.33%	9.05%	#N/A	#N/A	#N/A	100.00%	#N/A

Note: Totals include expenses from FY2012/13 since the Scoping Study covers two fiscal years.

Note: There is a contingency of \$5,000 for Phase 2 support that is currently unallocated.

**Joint Use**

Month	Weir	Bryant	TFG	CDM Smith	ESA	Oñate	Data Insts.	SCWA	Total
July-13	7,118.13	14,833.33	5,000.00	-	-	2,500.00	4,169.11	3,795.71	37,416.28
August-13	6,413.22	14,833.33	5,000.00	-	-	2,500.00	6,808.90	29,282.12	64,837.57
September-13	2,333.95	14,833.33	5,000.00	-	-	2,500.00	6,212.50	10,106.79	40,986.57
October-13	6,421.66	14,833.33	5,000.00	-	-	2,500.00	5,109.24	16,508.10	50,372.33
November-13	4,246.16	14,833.33	5,000.00	-	-	2,500.00	9,962.05	23,576.60	60,118.14
December-13	-	-	-	-	-	-	-	-	-
January-14	-	-	-	-	-	-	-	-	-
February-14	-	-	-	-	-	-	-	-	-
March-14	-	-	-	-	-	-	-	-	-
April-14	-	-	-	-	-	-	-	-	-
May-14	-	-	-	-	-	-	-	-	-
June-14	-	-	-	-	-	-	-	-	-
<b>Total</b>	26,533.12	74,166.65	25,000.00	-	-	12,500.00	32,261.80	83,269.32	253,730.89
FY13/14 Budget	78,000.00	178,000.00	65,000.00	10,000.00	-	30,000.00	50,000.00	150,000.00	561,000.00
Amt Remaining	51,466.88	103,833.35	40,000.00	10,000.00	-	17,500.00	17,738.20	66,730.68	307,269.11
% Remaining	65.98%	58.33%	61.54%	#N/A	#N/A	58.33%	35.48%	44.49%	54.77%

Note: There is a contingency of \$25,000 for Joint Use that is currently unallocated.

**Phase 1, 2, and Joint Use Total**

Month	Weir	Bryant	TFG	CDM / B&C	ESA	Oñate	Data Insts.	SCWA	Total
July-13	7,118.13	14,833.33	6,500.00	10,166.83	-	2,500.00	4,169.11	3,795.71	49,083.11
August-13	6,413.22	14,833.33	6,500.00	54,933.67	-	2,500.00	6,808.90	29,282.12	121,271.24
September-13	2,333.95	14,833.33	6,500.00	30,150.42	1,492.50	2,500.00	6,212.50	10,106.79	74,129.49
October-13	6,421.66	14,833.33	6,500.00	44,278.68	1,088.75	2,500.00	5,109.24	16,508.10	97,239.76
November-13	4,246.16	14,833.33	6,500.00	31,375.36	-	2,500.00	9,962.05	23,576.60	92,993.50
December-13	-	-	-	-	-	-	-	-	-
January-14	-	-	-	-	-	-	-	-	-
February-14	-	-	-	-	-	-	-	-	-
March-14	-	-	-	-	-	-	-	-	-
April-14	-	-	-	-	-	-	-	-	-
May-14	-	-	-	-	-	-	-	-	-
June-14	-	-	-	-	-	-	-	-	-
<b>Total</b>	26,533.12	74,166.65	32,500.00	170,904.96	2,581.25	12,500.00	32,261.80	83,269.32	434,717.10
FY13/14 Budget	78,000	220,360	83,000	425,200	10,000	30,000	50,000	190,000	1,086,560
Amt Remaining	51,467	146,193	50,500	254,295	7,419	17,500	17,738	106,731	651,843
% Remaining	65.98%	66.34%	60.84%	59.81%	74.19%	58.33%	35.48%	56.17%	59.99%

Notes:

1. Values for the most current month may be estimates.
2. Phase 2 Scoping Study and Workshop costs approved by Board on November 19, 2012.
3. Phase 2 Scoping Study and Workshops are for 18-month period, January 1, 2013 - June 30, 2014.
4. FY2013/14 Budget approved by Board on March 25, 2013.

**North Bay Water Reuse Authority  
Monthly Project Cost Summary  
as of December 11, 2013**

**TOTAL FY 13-14 PROJECT COSTS**

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir Technical Services	78,000	-	78,000	82,172	-	82,172	(4,172)	22,287	59,885	72.9%
Planning, Engineering and Funding Management	CDM Smith	288,780	(25,000)	263,780	317,836	(25,000)	292,836	(29,056)	138,206	154,631	52.8%
Federal Authorizations and Appropriations	The Ferguson Group	83,000	(5,000)	78,000	60,000	18,000	78,000	-	-	78,000	100.0%
Program Development and Federal Funding	Bryant & Associates	178,000	-	178,000	178,000	-	178,000	(0)	59,333	118,667	66.7%
State Funding / State Outreach	Pilar Odate	30,000	-	30,000	30,000	1,500	31,500	(1,500)	-	31,500	100.0%
Outreach and Community Support	Data Instincts	50,000	-	50,000	81,880	(30,500)	51,380	(1,380)	22,300	29,080	56.6%
SCWA Administration	SCWA	194,575	(40,000)	154,575	194,575	(40,000)	154,575	-	80,204	74,371	48.1%
WaterSMART Application Support	B&C	-	40,000	40,000	-	40,000	40,000	-	-	40,000	100.0%
Environmental Documentation, Permitting and Monitoring	ESA	20,000	(10,000)	10,000	21,925	(10,000)	11,925	(1,925)	656	11,269	94.5%
Contingency	n/a	35,000	-	35,000	35,000	-	35,000	-	-	35,000	100.0%
<b>TOTAL BUDGET</b>		<b>\$ 957,355</b>	<b>\$ (40,000)</b>	<b>\$ 917,355</b>	<b>\$ 1,001,389</b>	<b>\$ (46,000)</b>	<b>\$ 955,389</b>	<b>\$ (38,034)</b>	<b>\$ 322,986</b>	<b>\$ 632,403</b>	<b>66.2%</b>

Uncommitted indicates either a contract has not been issued or an existing contract has not yet been amended per approved NBWRA FY Budgets.

- 1. Budgeted amount reflects adding line items in PH2 S5 for tasks under CDM Smith SOW
- 2. Amendment to Odate contract added \$1,500.
- 3. Total contract amount includes encumbrance balances rolled over from FY12/13

**CONTRACT ROLLOVERS FROM 12/13 to 13/14**

Project	Consultant	Original Budget	Amend	Carryover	Original Contract (remaining)	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir	4,172.17	-	4,172.17	4,172.17	-	4,172.17	-	4,172.17	-	0.0%
Program Development and Federal Funding	Bryant & Associates	0.04	-	0.04	0.04	-	0.04	-	0.04	-	0.0%
Federal Authorizations and Appropriations	The Ferguson Group	-	-	-	-	-	-	-	-	-	#DIV/0!
State Funding / State Outreach	Odate Group	-	-	-	-	-	-	-	-	-	#DIV/0!
Outreach and Community Support	Data Instincts	1,380.22	-	1,380.22	1,380.22	-	1,380.22	-	1,380.22	-	0.0%
Environmental Documentation, Permitting and Monitoring	ESA	1,925.02	-	1,925.02	1,925.02	-	1,925.02	-	1,925.02	-	0.0%
Planning, Engineering and Funding Management	CDM Smith	51,309.97	-	51,309.97	51,309.97	-	51,309.97	-	1,324.00	49,985.97	97.4%
Planning, Engineering and Funding Management (WaterSMART)	CDM Smith	12.46	-	12.46	12.46	-	12.46	-	12.46	-	0.0%
Planning and Engineering - Phase 2 Scoping Study	CDM Smith	30,263.80	-	30,263.80	30,263.80	-	30,263.80	-	30,263.80	-	0.0%
<b>TOTAL BUDGET</b>		<b>\$ 89,064</b>	<b>\$ -</b>	<b>\$ 89,064</b>	<b>\$ 89,064</b>	<b>\$ -</b>	<b>\$ 89,064</b>	<b>\$ -</b>	<b>\$ 39,078</b>	<b>\$ 49,986</b>	<b>56.12%</b>

- 1. FY12/13 Year End A/P for \$15,000 - Funds will disperse from cash account. April invoice (\$5,000) submitted & paid in August. May & June outstanding (\$10,000)
- 2. FY12/13 Year End A/P for \$2,500 - Funds will disperse from cash account when invoice submitted for June 2013

Item No. 6.c.1

North Bay Water Reuse Authority  
Monthly Project Cost Summary  
as of December 11, 2013

**NBWRA Phase 1**

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Planning, Engineering and Funding Management	CDM Smith	75,000	(25,000)	50,000	75,000	(25,000)	50,000	-	-	50,000	100.0%
Environmental Documentation, Permitting and Monitoring	ESA	20,000	(10,000)	10,000	20,000	(10,000)	10,000	-	656	9,344	93.4%
Admin Agency Services	SCWA	-	-	-	-	-	-	-	67	(67)	#DIV/0!
Contingency	n/a	5,000	-	5,000	5,000	-	5,000	-	-	5,000	100.0%
<b>TOTAL BUDGET</b>		<b>\$ 100,000</b>	<b>\$ (35,000)</b>	<b>\$ 65,000</b>	<b>\$ 100,000</b>	<b>\$ (35,000)</b>	<b>\$ 65,000</b>	<b>\$ -</b>	<b>\$ 724</b>	<b>\$ 64,276</b>	<b>98.89%</b>

- 1. ESA contract admeded from 20k to 10k
- 2. SCWA Admin charges should have been charged to Joint Use & Scoping Study (adjustment will be made)

**Phase 2 Scoping Study**

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Planning and Engineering	CDM Smith	203,780	-	203,780	207,560	-	207,560	(3,780)	105,611	101,949	49.1%
SCWA Administration	SWCA	44,575	(40,000)	4,575	44,575	(40,000)	4,575	-	237	4,338	94.8%
Federal Authorizations and Appropriations	The Ferguson Group	18,000	-	18,000	-	18,000	18,000	-	-	18,000	100.0%
WaterSMART Application Support	B&C	-	40,000	40,000	-	40,000	40,000	-	-	40,000	100.0%
Contingency - included in costs		5,000	-	5,000	5,000	-	5,000	-	-	5,000	100.0%
<b>TOTAL BUDGET</b>		<b>\$ 271,355</b>	<b>\$ -</b>	<b>\$ 271,355</b>	<b>\$ 257,135</b>	<b>\$ 18,000</b>	<b>\$ 275,135</b>	<b>\$ (3,780)</b>	<b>\$ 105,848</b>	<b>\$ 169,287</b>	<b>61.53%</b>

- 1.CDM Smith amount calculated by adding line items in budget approved 3/25/2013 for CDM, B&C, and BA.
- 2. This line item later refined to \$4,575 SCWA admin and\$ 40,000 WaterSMART agreement with B&C
- 3. Agreement not drafted until November 2013
- 4. B&C hired to prepare Phase 2 Feasibility Study Application using 40k set aside for SCWA admin.

**Joint Use**

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir	78,000	-	78,000	78,000	-	78,000	-	18,115	59,885	76.8%
Program Development and Federal Funding	Bryant & Associates	178,000	-	178,000	178,000	-	178,000	-	59,333	118,667	66.7%
Federal Authorizations and Appropriations	The Ferguson Group	65,000	(5,000)	60,000	60,000	-	60,000	-	-	60,000	100.0%
State Funding / State Outreach	Onate Group	30,000	-	30,000	30,000	1,500	31,500	(1,500)	-	31,500	100.0%
Outreach and Community Support	Data Instincts	50,000	-	50,000	80,500	(30,500)	50,000	-	20,920	29,080	58.2%
Admin Agency Services	SCWA	150,000	-	150,000	150,000	-	150,000	-	79,900	70,100	46.7%
Planning, Engineering and Funding Management (WaterSMART)	CDM Smith	10,000	-	10,000	5,000	-	5,000	-	2,331	2,669	53.4%
Contingency - included in consultant costs		25,000	-	25,000	25,000	-	25,000	-	-	25,000	100.0%
<b>TOTAL BUDGET</b>		<b>\$ 586,000</b>	<b>\$ (5,000)</b>	<b>\$ 581,000</b>	<b>\$ 606,500</b>	<b>\$ (29,000)</b>	<b>\$ 577,500</b>	<b>\$ (1,500)</b>	<b>\$ 180,598</b>	<b>\$ 337,016</b>	<b>58.36%</b>

- 1. 5k spent in FY12/13



2013/14 Budget Allocations

PHASE 1										
As of January 24, 2013	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District		
% Share of Benefit (2nd Amended MOU)		7.239%	31.894%	8.611%	27.473%	3.571%	3.571%	17.640%		
	65,000									
<b>1. CALCULATION OF ASSESSMENTS</b>										
25% Shared Equally	\$ 16,250	\$ 2,321	\$ 2,321	\$ 2,321	\$ 2,321	\$ 2,321	\$ 2,321	\$ 2,321	\$ 2,321	\$ 2,321
75% Benefit Based on 2nd Amended MOU	\$ 48,750	\$ 2,384	\$ 18,410	\$ 3,276	\$ 15,536				\$	9,145
<b>TOTAL BUDGET</b>	<b>\$ 65,000</b>	<b>\$ 4,705</b>	<b>\$ 20,731</b>	<b>\$ 5,597</b>	<b>\$ 17,857</b>	<b>\$ 2,321</b>	<b>\$ 2,321</b>	<b>\$ 2,321</b>	<b>\$ 2,321</b>	<b>\$ 11,466</b>
<b>2. BUDGETED EXPENSE ITEM</b>										
Program Management - RMC /Weir	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Program Management - CDM Smith	\$ 50,000	\$ 3,619	\$ 15,947	\$ 4,306	\$ 13,736	\$ 1,786	\$ 1,786	\$ 1,786	\$ 1,786	\$ 8,820
Environmental Documentation, Permitting and Monitoring - ESA	\$ 10,000	\$ 724	\$ 3,189	\$ 861	\$ 2,747	\$ 357	\$ 357	\$ 357	\$ 357	\$ 1,764
SCWA Administration	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency - included in consultant costs	\$ 5,000	\$ 362	\$ 1,595	\$ 431	\$ 1,374	\$ 179	\$ 179	\$ 179	\$ 179	\$ 882
<b>TOTAL CONSULTANT BUDGET</b>	<b>\$ 65,000</b>	<b>\$ 4,705.00</b>	<b>\$ 20,731.00</b>	<b>\$ 5,597.00</b>	<b>\$ 17,857.00</b>	<b>\$ 2,323.00</b>	<b>\$ 2,322.00</b>	<b>\$ 2,322.00</b>	<b>\$ 2,322.00</b>	<b>\$ 11,466.00</b>

PHASE 2 - Support, Scoping Studies and Workshops											
As of January 24, 2013	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District	
% Share of Benefit (3rd Amended MOU)		14.286%	14.286%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	
	\$ 271,355										
<b>1. CALCULATION OF ASSESSMENTS</b>											
Shared Equally amongst 7 Member Agencies	\$ 271,355	\$ 38,765	\$ 38,765	\$ 38,765	\$ 38,765	\$ 38,765	\$ -	\$ -	\$ 38,765	\$ 38,765	\$ 38,765
<b>TOTAL BUDGET</b>	<b>\$ 271,355</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>
<b>2. BUDGETED EXPENSE ITEM</b>											
Planning and Engineering - CDM Smith	\$ 98,710	\$ 14,101	\$ 14,101	\$ 14,101	\$ 14,101	\$ 14,101	\$ -	\$ -	\$ 14,101	\$ 14,101	\$ 14,101
Planning and Engineering - Brown & Caldwell	\$ 83,890	\$ 11,984	\$ 11,984	\$ 11,984	\$ 11,984	\$ 11,984	\$ -	\$ -	\$ 11,984	\$ 11,984	\$ 11,984
Program Development and Federal Funding - Bryant & Associates	\$ 21,180	\$ 3,026	\$ 3,026	\$ 3,026	\$ 3,026	\$ 3,026	\$ -	\$ -	\$ 3,026	\$ 3,026	\$ 3,026
Federal Authorizations and Appropriations - The Ferguson Group	\$ 18,000	\$ 2,571	\$ 2,571	\$ 2,571	\$ 2,571	\$ 2,571	\$ -	\$ -	\$ 2,571	\$ 2,571	\$ 2,571
SCWA Administration	\$ 44,575	\$ 6,368	\$ 6,368	\$ 6,368	\$ 6,368	\$ 6,368	\$ -	\$ -	\$ 6,368	\$ 6,368	\$ 6,368
Contingency	\$ 5,000	\$ 714	\$ 714	\$ 714	\$ 714	\$ 714	\$ -	\$ -	\$ 714	\$ 714	\$ 714
<b>TOTAL CONSULTANT BUDGET</b>	<b>\$ 271,355</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>	<b>\$ 38,765</b>

2013/14 Budget Allocations

Joint Use											
As of January 24, 2013	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District	
% Share of Benefit (3rd Amended MOU)		11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	
	\$ 586,000										
<b>1. CALCULATION OF ASSESSMENTS</b>											
Shared Equally amongst 7 Agencies	\$ 586,000	\$ 65,111	\$ 65,111	\$ 65,111	\$ 65,111	\$ 65,111	\$ 65,111	\$ 65,111	\$ 65,111	\$ 65,111	
<b>TOTAL BUDGET</b>	<b>\$ 586,000</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	
<b>2. BUDGETED EXPENSE ITEM</b>											
Program Management - RMC / Weir	\$ 78,000	\$ 8,667	\$ 8,667	\$ 8,667	\$ 8,667	\$ 8,667	\$ 8,667	\$ 8,667	\$ 8,667	\$ 8,667	
Program Development and Federal Funding - Bryant & Associates	\$ 178,000	\$ 19,778	\$ 19,778	\$ 19,778	\$ 19,778	\$ 19,778	\$ 19,778	\$ 19,778	\$ 19,778	\$ 19,778	
Federal Authorizations and Appropriations - The Ferguson Group	\$ 65,000	\$ 7,222	\$ 7,222	\$ 7,222	\$ 7,222	\$ 7,222	\$ 7,222	\$ 7,222	\$ 7,222	\$ 7,222	
Planning, Engineering and Funding Management - CDM Smith	\$ 10,000	\$ 1,111	\$ 1,111	\$ 1,111	\$ 1,111	\$ 1,111	\$ 1,111	\$ 1,111	\$ 1,111	\$ 1,111	
State Funding / State Outreach - The Oriate Group	\$ 30,000	\$ 3,333	\$ 3,333	\$ 3,333	\$ 3,333	\$ 3,333	\$ 3,333	\$ 3,333	\$ 3,333	\$ 3,333	
Outreach and Community Support - Data Instincts	\$ 50,000	\$ 5,556	\$ 5,556	\$ 5,556	\$ 5,556	\$ 5,556	\$ 5,556	\$ 5,556	\$ 5,556	\$ 5,556	
SCWA Administration	\$ 150,000	\$ 16,667	\$ 16,667	\$ 16,667	\$ 16,667	\$ 16,667	\$ 16,667	\$ 16,667	\$ 16,667	\$ 16,667	
Contingency - included in consultant costs	\$ 25,000	\$ 2,778	\$ 2,778	\$ 2,778	\$ 2,778	\$ 2,778	\$ 2,778	\$ 2,778	\$ 2,778	\$ 2,778	
<b>TOTAL CONSULTANT BUDGET</b>	<b>\$ 586,000</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	

Totals - As Budgeted											
Approved by Board March 25, 2013	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District	
Total Phase 1 FY13/14	\$ 65,000	\$ 4,705	\$ 20,731	\$ 5,597	\$ 17,857	\$ 2,323	\$ 2,322	\$ 11,466	\$ -	\$ -	
Total Phase 2 FY13/14	\$ 271,355	\$ 38,765	\$ 38,765	\$ 38,765	\$ 38,765	\$ 38,765	\$ -	\$ -	\$ 38,765	\$ 38,765	
<b>Total Joint Phase FY13/14</b>	<b>\$ 586,000</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	<b>\$ 65,111</b>	
<b>Total Phase 1, 2 and Joint FY13/14</b>	<b>\$ 922,355</b>	<b>\$ 108,581</b>	<b>\$ 124,607</b>	<b>\$ 109,473</b>	<b>\$ 121,733</b>	<b>\$ 106,199</b>	<b>\$ 67,433</b>	<b>\$ 76,577</b>	<b>\$ 103,876</b>	<b>\$ 103,876</b>	

**North Bay Water Reuse Authority  
July 1, 2013 to Date Transaction Summary  
as of December 11, 2013**

**FY 2013/14  
PHASE 1**

Date	Description	Amount		Las							
				Galinas	Napa	Novato	SVCSD	SCWA	Napa County	North Marin Water Dist.	
7/1/2013	Beginning Balance	\$ 110,769.53	b	4,428.21	36,757.77	6,235.16	30,951.88	4,679.89	4,614.13	23,102.49	
7/29/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
7/29/2013	Salary/Assn Chgs Applied		d	-	-	-	-	-	-	-	
7/31/2013	Deposit LGVSD - N14-01	4,705.00	d	4,705.00							
7/31/2013	Deposit SVCSD - N14-06	17,857.00	d				17,857.00				
7/31/2013	Deposit SCWA - N14-07	2,323.00	d					2,323.00			
8/1/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
8/1/2013	Salary/Assn Chgs Applied		d	-	-	-	-	-	-	-	
8/6/2013	Deposit Napa County - N14-04	2,322.00	d						2,322.00		
8/7/2013	Deposit Napa San - N14-03	20,731.00	d		20,731.00						
8/12/2013	Deposit NMWD - N14-05	11,466.00	d							11,466.00	
8/15/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
8/16/2013	Deposit Novato San - N14-02	5,597.00	d			5,597.00					
8/20/2013	FRIEDMANS HOME IMPROVEMENT		p m	-	-	-	-	-	-	-	
8/28/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
8/30/2013	XTELESIS CORPORATION		p m	-	-	-	-	-	-	-	
9/6/2013	ESA - INV *103954*	(1,492.50)	p e1	(108.04)	(476.02)	(128.52)	(410.03)	(53.30)	(53.30)	(263.28)	
9/13/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
9/27/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
10/3/2013	ESA - INV *104413*	(432.52)	p e1	(31.31)	(137.95)	(37.24)	(118.83)	(15.45)	(15.45)	(76.30)	
10/3/2013	ESA - INV *104413* (split)	(656.23)	p e2	(47.50)	(209.30)	(56.51)	(180.29)	(23.43)	(23.43)	(115.76)	
10/9/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
10/11/2013	Cal Card Allocation for August 2013		p m	-	-	-	-	-	-	-	
10/17/2013	Petaluma Initiation fee (Step 1)	25,000.00	p	1,809.71	7,973.60	2,152.78	6,868.21	892.85	892.86	4,409.99	
10/24/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
10/30/2013	Salary/Assn Chgs Applied		p a	-	-	-	-	-	-	-	
10/30/2013	Admin charges moved to Joint Use		p a	-	-	-	-	-	-	-	
10/31/2013	Petaluma New Member Reimbursement LGVSD	(1,809.71)		(1,809.71)							
10/31/2013	Petaluma New Member Reimbursement Napa San	(7,973.60)			(7,973.60)						
10/31/2013	Petaluma New Member Reimbursement NMWD	(4,409.99)								(4,409.99)	
10/31/2013	Petaluma New Member Reimbursement Nov San	(2,152.78)				(2,152.78)					
10/31/2013	Petaluma New Member Reimbursement Napa Co	(892.86)							(892.86)		
11/4/2013	Petaluma New Member Reimburse SVCSD & SCWA	(7,761.06)					(6,868.21)	(892.85)			
11/7/2013	Salary/Assn Chgs Applied	(67.29)	p a	(4.87)	(21.46)	(5.79)	(18.49)	(2.40)	(2.40)	(11.87)	
11/8/2013	CDM Smith INV *80472051-8* PHASE 1	(1,324.00)	p c1	(95.84)	(422.28)	(114.01)	(363.74)	(47.28)	(47.28)	(233.55)	
<b>Current NBWRA Balance</b>				<b>171,797.99</b>	<b>8,845.63</b>	<b>56,221.77</b>	<b>11,490.09</b>	<b>47,717.50</b>	<b>6,861.03</b>	<b>6,794.27</b>	<b>33,867.73</b>
<b>PENDING</b>											
CDM INV *80472051-8* PHASE 1				(1,324.00)	(95.84)	(422.28)	(114.01)	(363.74)	(47.28)	(47.28)	(233.55)
<b>Projected Balance</b>				<b>170,473.99</b>	<b>8,749.79</b>	<b>55,799.50</b>	<b>11,376.08</b>	<b>47,353.76</b>	<b>6,813.75</b>	<b>6,746.99</b>	<b>33,634.18</b>
				<b>LG</b>	<b>Napa</b>	<b>Nov</b>	<b>SV</b>	<b>SCWA</b>	<b>Napa County</b>	<b>North Marin</b>	
				5.15%	32.73%	6.69%	27.78%	3.99%	3.95%	19.71%	
<b>NBWRA Reconciliation</b>											
Beginning Balance		110,769.53	b	4,428.21	36,757.77	6,235.16	30,951.88	4,679.89	4,614.13	23,102.49	
Deposits		65,001.00	d	4,705.00	20,731.00	5,597.00	17,857.00	2,323.00	2,322.00	11,466.00	
Interest Earnings		-	i	-	-	-	-	-	-	-	
Payments		(3,972.54)	p	(287.57)	(1,267.00)	(342.08)	(1,091.38)	(141.86)	(141.86)	(700.76)	
		171,797.99		8,845.63	56,221.77	11,490.09	47,717.50	6,861.03	6,794.27	33,867.73	

**North Bay Water Reuse Authority  
July 1, 2013 to Date Transaction Summary  
as of December 11, 2013**

**FY 2013/14  
PHASE 1**

Vendor	NBWRA Obligations						% Spent	
	Encumbrances		Paid to date	Adjustments	Balance	Expires		
CDM Smith (CE130476A-01)	51,309.97	c1	1,324.00	-	49,985.97	6/30/2014	3%	rollover from LFY
CDM Smith (CE130476B-01)	50,000.00	c2	-	-	50,000.00	6/30/2014	0%	*amended from 75k to 50k
ESA (CE130473A-01)	1,925.02	e1	1,925.02	-	-	6/30/2013	100%	
ESA (CE130473B-01)	10,000.00	e2	656.23	-	9,343.77	6/30/2014	7%	Amended from 20k to 10k
<b>Total</b>	<b>113,234.99</b>		<b>2,581.25</b>	<b>-</b>	<b>50,000.00</b>			
	<b>Unencumbered</b>		<b>Spent</b>	<b>Misc.</b>	<b>Balance</b>		<b>% Spent</b>	
Admin Agency Services	-	a	67.29	-	(67.29)			#DIV/0!
Contingency	5,000.00		-	-	5,000.00		0%	
<b>Total</b>	<b>118,234.99</b>		<b>2,648.54</b>	<b>-</b>	<b>49,932.71</b>			
Miscellaneous Expenses		m	-					
<b>Total Expenses</b>			<b>2,648.54</b>					

**North Bay Water Reuse Authority  
July 1, 2013 to Date Transaction Summary  
as of December 11, 2013**

**FY 2013/14  
PHASE 2 - Scoping Study**

Date	Description	Amount		Las					City of Petaluma	Marin Muni Water Dist.
				Galinas	Napa	Novato	SVCS	SCWA		
7/1/2013	Beginning Balance	8,853.80	b	5,516.97	5,516.97	5,516.97	5,516.97	5,516.97	(24,248.03)	5,516.97
7/31/2013	Deposit LGVSD - N14-01	38,765.00	d	38,765.00						
7/31/2013	Deposit SVCSD - N14-06	38,765.00	d				38,765.00			
7/31/2013	Deposit SCWA - N14-07	38,765.00	d					38,765.00		
8/7/2013	Deposit Napa San - N14-03	38,765.00	d		38,765.00					
8/16/2013	Deposit Novato San - N14-02	38,765.00	d			38,765.00				
8/23/2013	CDM Smith Inv 80466256-6	(10,166.83)	p c1	(1,452.40)	(1,452.40)	(1,452.40)	(1,452.40)	(1,452.40)	(1,452.40)	(1,452.40)
9/11/2013	Deposit Marin Muni San - N14-09	38,765.00	d							38,765.00
10/4/2013	CDM Smith Inv 80469114-7	(20,096.97)	p c1	(2,871.00)	(2,871.00)	(2,871.00)	(2,871.00)	(2,871.00)	(2,871.00)	(2,871.00)
10/4/2013	CDM Smith Inv 80469114-7	(34,836.70)	p c2	(4,976.67)	(4,976.67)	(4,976.67)	(4,976.67)	(4,976.67)	(4,976.67)	(4,976.67)
10/17/2013	Deposit Petaluma - N13-08 (FY12/13)	29,765.00	d					29,765.00		
11/25/2013	CDM Smith Inv 80472052-8x	(27,854.47)	p c2	(3,979.21)	(3,979.21)	(3,979.21)	(3,979.21)	(3,979.21)	(3,979.21)	(3,979.21)
12/5/2013	CDM Smith Inv 80474126	(42,919.48)	p c2	(6,131.35)	(6,131.35)	(6,131.35)	(6,131.35)	(6,131.35)	(6,131.35)	(6,131.35)
12/6/2013	Salary/Assn Chgs Applied	(237.35)	p a	(33.91)	(33.91)	(33.91)	(33.91)	(33.91)	(33.91)	(33.91)
<b>Current NBWRA Balance</b>				<b>135,097.00</b>	<b>24,837.43</b>	<b>24,837.43</b>	<b>24,837.43</b>	<b>24,837.43</b>	<b>(13,927.57)</b>	<b>24,837.43</b>
<b>PENDING</b>										
	Deposit Petaluma - N14-08	38,765.00						38,765.00		
	Ferguson Group - July 2013	(1,500.00)		(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)
	Ferguson Group - August 2013	(1,500.00)		(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)
	Ferguson Group - September 2013	(1,500.00)		(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)
	Ferguson Group - October 2013	(1,500.00)		(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)
	Ferguson Group - November 2013	(1,500.00)		(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)
	Ferguson Group - December 2013	(1,500.00)		(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)	(214.29)
<b>Projected Balance</b>				<b>164,862.00</b>	<b>23,551.71</b>	<b>23,551.71</b>	<b>23,551.71</b>	<b>23,551.71</b>	<b>23,551.71</b>	<b>23,551.71</b>

LG	Napa	Nov	SV	SCWA	Petaluma	MMWD
	18.38%	18.38%	18.38%	18.38%	18.38%	-10.31%
	5,516.97	5,516.97	5,516.97	5,516.97	(24,248.03)	5,516.97
	38,765.00	38,765.00	38,765.00	38,765.00	29,765.00	38,765.00
	-	-	-	-	-	-
	(19,444.54)	(19,444.54)	(19,444.54)	(19,444.54)	(19,444.54)	(19,444.54)
	24,837.43	24,837.43	24,837.43	24,837.43	(13,927.57)	24,837.43

NBWRA Reconciliation	
Beginning Balance	8,853.80
Deposits	262,355.00
Interest Earnings	-
Payments	(136,111.80)
	135,097.00

Vendor	NBWRA Obligations					% Spent
	Encumbrances	Paid to date	Adjustments	Balance	Expires	
CDM Smith (CE130674A-01)	30,263.80	-	-	(0.00)	6/30/2013	100%
CDM Smith (CE130674B-01)	207,560.00	105,610.65	-	101,949.35	6/30/2014	51%
B&C WaterSMART Grant	40,000.00	-	-	40,000.00	6/30/2014	0%
Ferguson Group	18,000.00	-	-	18,000.00	6/30/2014	0%
Contingency	5,000.00	-	-	5,000.00		0%
<b>Total</b>	<b>300,823.80</b>	<b>135,874.45</b>	<b>-</b>	<b>164,949.35</b>		

Admin Agency Services	Unencumbered	Spent	Balance	% Spent
		4,575.00	237.35	4,337.65
<b>Total</b>	<b>305,398.80</b>	<b>136,111.80</b>	<b>169,287.00</b>	

Miscellaneous Expenses m -  
Total Expenses 136,111.80

**North Bay Water Reuse Authority  
July 1, 2013 to Date Transaction Summary  
as of December 11, 2013**

**FY 2013/14  
Joint Use**

Date	Description	Amount	Las					North Marin	City of	Marin Muni	Marin County	
			Galinas	Napa	Novato	SVCS	SCWA					Napa County
7/1/2013	Beginning Balance	70,840.37	6,592.01	14,164.01	14,164.01	14,164.01	14,164.01	14,164.01	14,164.01	(23,617.86)	2,882.14	-
7/29/2013	Salary/Assn Chgs Applied	(2,883.87)	(320.43)	(320.43)	(320.43)	(320.43)	(320.43)	(320.43)	(320.43)	(320.43)	(320.43)	(320.43)
7/31/2013	Deposit LCVSD - N14-01	65,111.00	65,111.00									
7/31/2013	Deposit SVCS - N14-06	65,111.00				65,111.00						
7/31/2013	Deposit SCWA - N14-07	65,111.00					65,111.00					
8/1/2013	Salary/Assn Chgs Applied	(6,618.82)	(735.42)	(735.42)	(735.42)	(735.42)	(735.42)	(735.42)	(735.42)	(735.42)	(735.42)	(735.42)
8/1/2013	Salary/Assn Chgs Applied	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/6/2013	Deposit Napa County - N14-04	65,111.00							65,111.00			
8/7/2013	Deposit Napa San - N14-03	65,111.00		65,111.00								
8/12/2013	Deposit NMWD - N14-05	65,111.00						65,111.00				
8/15/2013	Equip Revenue Clearing	(106.20)	(11.80)	(11.80)	(11.80)	(11.80)	(11.80)	(11.80)	(11.80)	(11.80)	(11.80)	(11.80)
8/15/2013	Salary/Assn Chgs Applied	(7,957.36)	(884.15)	(884.15)	(884.15)	(884.15)	(884.15)	(884.15)	(884.15)	(884.15)	(884.15)	(884.15)
8/16/2013	Bryant & Associates - July 2013	(0.04)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
8/16/2013	Bryant & Associates - July 2013	(14,833.29)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)	(1,648.14)
8/16/2013	Charles V. Weir - Inv. 138	(4,172.17)	(463.57)	(463.57)	(463.57)	(463.57)	(463.57)	(463.57)	(463.57)	(463.57)	(463.57)	(463.57)
8/16/2013	Charles V. Weir - Inv. 138 (split)	(2,945.96)	(327.33)	(327.33)	(327.33)	(327.33)	(327.33)	(327.33)	(327.33)	(327.33)	(327.33)	(327.33)
8/16/2013	Data Instincts - Inv. 1602	(1,380.22)	(153.36)	(153.36)	(153.36)	(153.36)	(153.36)	(153.36)	(153.36)	(153.36)	(153.36)	(153.36)
8/16/2013	Data Instincts - Inv. 1602 (split)	(2,788.89)	(309.88)	(309.88)	(309.88)	(309.88)	(309.88)	(309.88)	(309.88)	(309.88)	(309.88)	(309.88)
8/19/2013	Deposit Novato - N14-03	65,111.00			65,111.00							
8/28/2013	Equip Revenue Clearing	(32.40)	(3.60)	(3.60)	(3.60)	(3.60)	(3.60)	(3.60)	(3.60)	(3.60)	(3.60)	(3.60)
8/28/2013	Salary/Assn Chgs Applied	(8,073.40)	(897.04)	(897.04)	(897.04)	(897.04)	(897.04)	(897.04)	(897.04)	(897.04)	(897.04)	(897.04)
8/30/2013	Xtelesis Corporation	(9.65)	(1.07)	(1.07)	(1.07)	(1.07)	(1.07)	(1.07)	(1.07)	(1.07)	(1.07)	(1.07)
9/4/2013	Water Agency ISF July 2013	(332.58)	(36.95)	(36.95)	(36.95)	(36.95)	(36.95)	(36.95)	(36.95)	(36.95)	(36.95)	(36.95)
9/1/2013	Deposit Marin Muni - N14-09	65,111.00										65,111.00
9/13/2013	Salary/Assn Chgs Applied	(4,118.78)	(457.64)	(457.64)	(457.64)	(457.64)	(457.64)	(457.64)	(457.64)	(457.64)	(457.64)	(457.64)
9/16/2013	Data Instincts - Inv. 1616	(6,808.90)	(756.54)	(756.54)	(756.54)	(756.54)	(756.54)	(756.54)	(756.54)	(756.54)	(756.54)	(756.54)
9/16/2013	Bryant & Associates - August 2013	(14,833.33)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)
9/27/2013	Salary/Assn Chgs Applied	(2,627.89)	(291.99)	(291.99)	(291.99)	(291.99)	(291.99)	(291.99)	(291.99)	(291.99)	(291.99)	(291.99)
9/30/2013	Xtelesis Corporation	(10.40)	(1.16)	(1.16)	(1.16)	(1.16)	(1.16)	(1.16)	(1.16)	(1.16)	(1.16)	(1.16)
10/3/2013	Charles V. Weir - Inv. 140	(6,413.22)	(712.58)	(712.58)	(712.58)	(712.58)	(712.58)	(712.58)	(712.58)	(712.58)	(712.58)	(712.58)
10/9/2013	Salary/Assn Chgs Applied	(969.55)	(107.73)	(107.73)	(107.73)	(107.73)	(107.73)	(107.73)	(107.73)	(107.73)	(107.73)	(107.73)
10/11/2013	Cal Card Allocation for August 2013	(90.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)
10/15/2013	Bryant & Associates - September 2013	(14,833.33)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)
10/15/2013	Charles V. Weir - Inv. 141	(2,333.95)	(259.33)	(259.33)	(259.33)	(259.33)	(259.33)	(259.33)	(259.33)	(259.33)	(259.33)	(259.33)
10/17/2013	Deposit Petaluma - N13-08 (FY12/13)	26,500.00							26,500.00			
10/18/2013	Xtelesis Corporation	(11.30)	(1.26)	(1.26)	(1.26)	(1.26)	(1.26)	(1.26)	(1.26)	(1.26)	(1.26)	(1.26)
10/24/2013	Salary/Assn Chgs Applied	(3,906.81)	(434.09)	(434.09)	(434.09)	(434.09)	(434.09)	(434.09)	(434.09)	(434.09)	(434.09)	(434.09)
10/30/2013	Salary/Assn Chgs Applied	(11,530.42)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)	(1,281.16)
10/30/2013	Salary/Assn Chgs Applied	(0.02)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
10/31/2013	Deposit Marin County N14-10	5,000.00										5,000.00
10/31/2013	Joint Use Reimbursement - Napa San	(7,572.00)		(7,572.00)								
10/31/2013	Joint Use Reimbursement - NMWD	(7,572.00)						(7,572.00)				
10/31/2013	Joint Use Reimbursement - Novato San	(7,572.00)			(7,572.00)							
10/31/2013	Joint Use Reimbursement - County of Napa	(7,572.00)							(7,572.00)			
11/4/2013	Joint Use Reimbursement - SVCS & SCWA	(15,144.00)				(7,572.00)	(7,572.00)					
11/4/2013	Xtelesis Corporation - moved from PH 1	(6.60)	(0.73)	(0.73)	(0.73)	(0.73)	(0.73)	(0.73)	(0.73)	(0.73)	(0.73)	(0.73)
11/4/2013	Cal Card Allocation for August 2013 - moved from PH1	(251.85)	(27.98)	(27.98)	(27.98)	(27.98)	(27.98)	(27.98)	(27.98)	(27.98)	(27.98)	(27.98)
11/7/2013	Salary/Assn Chgs Applied	(16,567.09)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)	(1,840.79)
11/14/2013	Bryant & Associates - October 2013	(14,833.33)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)
11/14/2013	Data Intricts - invoices *1636**1625*	(11,321.74)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)	(1,257.97)
11/18/2013	WARRANT CANCELLATIONS	730.00	81.11	81.11	81.11	81.11	81.11	81.11	81.11	81.11	81.11	81.11
11/22/2013	Salary/Assn Chgs Applied	(7,449.42)	(827.71)	(827.71)	(827.71)	(827.71)	(827.71)	(827.71)	(827.71)	(827.71)	(827.71)	(827.71)
11/22/2013	Mileage	(31.64)	(3.52)	(3.52)	(3.52)	(3.52)	(3.52)	(3.52)	(3.52)	(3.52)	(3.52)	(3.52)
12/5/2013	Charles V. Weir - Inv. 142	(6,421.66)	(713.52)	(713.52)	(713.52)	(713.52)	(713.52)	(713.52)	(713.52)	(713.52)	(713.52)	(713.52)
12/6/2013	PPE 9-30-13	(37.80)	(4.20)	(4.20)	(4.20)	(4.20)	(4.20)	(4.20)	(4.20)	(4.20)	(4.20)	(4.20)
12/6/2013	Salary/Assn Chgs Applied	(5,545.74)	(616.19)	(616.19)	(616.19)	(616.19)	(616.19)	(616.19)	(616.19)	(616.19)	(616.19)	(616.19)
12/9/2013	REISSUE STALEDATED WARRANT	(730.00)	(81.11)	(81.11)	(81.11)	(81.11)	(81.11)	(81.11)	(81.11)	(81.11)	(81.11)	(81.11)
<b>Current NBWRA Balance</b>		<b>394,706.78</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>(17,461.15)</b>	<b>47,649.85</b>	<b>5,000.00</b>

**North Bay Water Reuse Authority  
July 1, 2013 to Date Transaction Summary  
as of December 11, 2013**

**FY 2013/14  
Joint Use**

<b>PENDING</b>											
Deposit Petaluma - N14-08	65,111.00									65,111.00	
Bryant & Associates - November 2013	(14,833.33)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)
Bryant & Associates - December 2013	(14,833.33)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)	(1,648.15)
Ferguson Group - July 2013	(5,000.00)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)
Ferguson Group - August 2013	(5,000.00)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)
Ferguson Group - September 2013	(5,000.00)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)
Ferguson Group - October 2013	(5,000.00)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)
Ferguson Group - November 2013	(5,000.00)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)
Ferguson Group - December 2013	(5,000.00)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)	(555.56)
<b>Projected Balance</b>	<b>400,151.12</b>	<b>44,730.10</b>	<b>44,730.10</b>	<b>44,730.10</b>	<b>44,730.10</b>	<b>44,730.10</b>	<b>44,730.10</b>	<b>44,730.10</b>	<b>41,020.22</b>	<b>41,020.22</b>	<b>5,000.00</b>

<b>NBWR Reconciliation</b>												
Beginning Balance	70,840.37	6,592.01	14,164.01	14,164.01	14,164.01	14,164.01	14,164.01	14,164.01	14,164.01	(23,617.86)	2,882.14	-
Deposits	553,118.03	65,192.11	65,192.11	65,192.11	65,192.11	65,192.11	65,192.11	65,192.11	65,192.11	26,581.11	65,192.11	5,000.00
Interest Earnings	-	-	-	-	-	-	-	-	-	-	-	-
Payments	(229,251.62)	(20,424.40)	(27,996.40)	(27,996.40)	(27,996.40)	(27,996.40)	(27,996.40)	(27,996.40)	(27,996.40)	(20,424.40)	(20,424.40)	-
<b>Balance</b>	<b>323,866.41</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>51,359.73</b>	<b>(17,461.15)</b>	<b>47,649.85</b>	<b>5,000.00</b>

<b>LG</b>	<b>Napa</b>	<b>Nov</b>	<b>SV</b>	<b>SCWA</b>	<b>Napa County</b>	<b>North Marin</b>	<b>Petaluma</b>	<b>MMWD</b>	<b>Marin County</b>
	13.01%	13.01%	13.01%	13.01%	13.01%	13.01%	-4.42%	12.07%	1.27%

<b>NBWR Obligations</b>						
<b>Vendor</b>	<b>Encumbrances</b>	<b>Paid to date</b>	<b>Adjustments</b>	<b>Balance</b>	<b>Expires</b>	<b>% Spent</b>
Weir Technical Services (CE130606A-01)	4,172.17	w1 4,172.17	-	(0.00)	6/30/2014	100%
Weir Technical Services (CE130606B-01)	78,000.00	w2 18,114.79	-	59,885.21	6/30/2014	23%
Bryant and Associates (CE130350A-01)	0.04	b1 0.04	-	0.00	6/30/2014	100%
Bryant and Associates (CE130350B-01)	178,000.00	b2 59,333.28	-	118,666.72	6/30/2014	33%
Ferguson Group (CE130477A-01)	15,000.00	f1 15,000.00	-	-	7/1/2014	100%
Ferguson Group (CE130477B-01)	60,000.00	f	-	60,000.00	6/30/2014	0%
The Onate Group (CE130494A-01)	2,500.00	og1 2,500.00	-	-	6/30/2014	100%
The Onate Group (CE130494B-01)	31,500.00	og	-	31,500.00	6/30/2014	0%
Data Instincts (CE130479A-01)	1,380.22	d1 1,380.22	-	0.00	6/30/2014	100%
Data Instincts (CE130479B-01)	50,000.00	d2 20,919.53	-	29,080.47	6/30/2014	42%
<b>Total</b>	<b>420,552.43</b>	<b>121,420.03</b>	<b>-</b>	<b>299,132.40</b>		

<b>Unencumbered</b>		<b>Spent</b>	<b>Misc.</b>	<b>Balance</b>	<b>% Spent</b>
Admin Agency Services	150,000.00	a 78,249.14	1,650.42	73,401.28	53%
Contingency	25,000.00	-	-	25,000.00	0%
<b>Total</b>	<b>175,000.00</b>	<b>199,669.17</b>	<b>-</b>	<b>372,533.68</b>	

\* FY12/13 Year End AP accounted for this balance  
 \* FY12/13 Year End AP accounted for this balance  
 \* amendment contract (added \$1,500)  
 \* amended from 80.5k to 50k

TOTAL	595,552.43				
Miscellaneous Expenses		m 1,650.42		79,899.56	
<b>Total Expenses</b>		<b>201,319.59</b>			

**North Bay Water Reuse Authority  
 July 1, 2012 to Date Transaction Summary  
 as of December 11, 2013**

**FY 2013/14  
 WaterSmart Grant Preparation**

Date	Description	Amount	
7/1/2013	Beginning Balance	12.46	b
	Funds moved from PH 2 PD remaining balance	4,825.90	d
11/14/2013	CDM Smith INV 80472050-6	(12.46)	p c1
11/14/2013	CDM Smith INV 80472050-6	(959.49)	p c2
12/5/2013	INVOICE *80474155	(1,359.20)	p c2
<b>Current NBWRA Balance</b>		<b>2,507.21</b>	
<i>PENDING</i>			
<b>Projected Balance</b>		<b>2,507.21</b>	

Las Galinas	Napa	Novato	SVCS	SCWA	Napa County	North Marin Water Dist.
1.78	1.78	1.78	1.78	1.78	1.78	1.78
716.18	716.18	716.18	716.18	716.18	637.97	607.03
(1.78)	(1.78)	(1.78)	(1.78)	(1.78)	(1.78)	(1.78)
(137.07)	(137.07)	(137.07)	(137.07)	(137.07)	(137.07)	(137.07)
(194.17)	(194.17)	(194.17)	(194.17)	(194.17)	(194.17)	(194.17)
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
<b>384.94</b>	<b>384.94</b>	<b>384.94</b>	<b>384.94</b>	<b>384.94</b>	<b>306.73</b>	<b>275.79</b>
<b>384.94</b>	<b>384.94</b>	<b>384.94</b>	<b>384.94</b>	<b>384.94</b>	<b>306.73</b>	<b>275.79</b>

NBWRA Reconciliation	
Beginning Balance	12.46
Deposits	4,825.90
Interest Earnings	-
Payments	(2,331.15)
Balance	2,494.75

LG	Napa	Nov	SV	SCWA	Napa County	North Marin
15.35%	15.35%	15.35%	15.35%	15.35%	12.23%	11.00%
1.78	1.78	1.78	1.78	1.78	1.78	1.78
716.18	716.18	716.18	716.18	716.18	637.97	607.03
-	-	-	-	-	-	-
(333.02)	(333.02)	(333.02)	(333.02)	(333.02)	(333.02)	(333.02)
383.16	383.16	383.16	383.16	383.16	304.95	274.01

Vendor	NBWRA Obligations					% Spent
	Encumbrances	Paid to date	Adjustments	Balance	Expires	
CDM Smith (CE130478A-02)	12.46	12.46	-	-	6/30/2013	100%
CDM Smith (CE130478B-01)	5,000.00	2,318.69	-	2,681.31	6/30/2014	46%
Total	5,012.46	12.46				73%
<b>Contingency</b>						
	Unencumbered	Spent	Misc.	Balance		% Spent
	-	-	-	-		#DIV/0!
Total	-	#REF!	-	#REF!		

TOTAL	5,012.46					
Miscellaneous Expenses		m	-			#REF!
Total Expenses			#REF!	#REF!		



**FY2013/2014**  
**North Bay Water Reuse Authority**  
**Interest - Not Allocated**

<b>Period</b>	<b>Date Posted</b>	<b>Amount</b>
1st Quarter	10/15/2013	\$ 1,335.43
2nd Quarter		
3rd Quarter		
4th Quarter		
<b>Total</b>		<b>\$ 1,335.43</b>

**Chuck Weir**

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**From:** Loutsch, Andria <LoutschAR@cdmsmith.com>  
**Sent:** Tuesday, December 10, 2013 10:13 AM  
**To:** Mark Williams (mwilliams@lgvsd.org); psellier@marinwater.org; Drew McIntyre (dmcintyre@nmwd.com); Beverly James (bevj@novatosan.com); Renee Webber (Renee.Webber@scwa.ca.gov); Pam Jeane (Pam.Jeane@scwa.ca.gov); Kevin Booker (Kevin.Booker@scwa.ca.gov); Healy, Tim (THEALY@napasan.com); Dan St. John (dstjohn@ci.petaluma.ca.us); Phillip Miller (phillip.miller@countyofnapa.org)  
**Cc:** Susan McGuire (SMcGuire@lgvsd.org); 'Lewis, Liz'; Jeff Tucker (jtucker@napasan.com); Iribarne, David; Chuck Weir (chuckweir@sbcglobal.net); Mike Savage (msavage@brwnald.com); Brick, William; Ginger Bryant (vsbryant@sbcglobal.net)  
**Subject:** NBWRA TAC meeting - projects discussion  
**Attachments:** DRAFT NBWRA Phase 2 Reconnaissance level cost estimate 2013-11-13.pdf

Dear TAC members,

The NBWRA's next TAC meeting is coming up on Monday, December 16, 2013 and we are at our final critical juncture in the Scoping Study process; it is time for us to compile the final list of projects for future Feasibility Studies.

At the conclusion of this meeting we will have discussed **both** your financial obligations – including both Program Joint Use and Feasibility Study costs for the next 3 years – **and** your final list of candidate projects. Each of you will then need to discuss these outcomes with your respective Boards and be prepared to commit to take the selected projects back to your agencies for approval to participate in Phase 2 Feasibility Studies at the January TAC meeting.

Attached is the current draft cost estimate for the conceptual Phase 2 program. Please note the following in preparation for our discussion:

- The level of effort to conduct the Phase 2 Feasibility Studies can accommodate a Program in the \$120-\$160M range. If the total is higher so are your study costs.
- At this point the only approved federal funding assistance is Title XVI, which can contribute 25% toward construction costs; a likely scenario would provide a maximum of \$4M a year over the next 10 years, or a \$160M Program.
- What is your agency's ability to pay for Joint-Use program costs, Feasibility Study costs, and Project implementation?

After the TAC meeting next week, our study team will be moving forward with completing the draft Scoping Study Report in order to meet your schedule for Phase 2 decision-making:

- January Board Meeting – Workshop presentation of findings from Phase 2 Scoping Studies
- January TAC Meeting – Discussion on agency commitment regarding Phase 2 participation for preparation of final NBWRA budget
- February TAC Meeting – Approval of Scoping Study recommendations for future Feasibility Study and FY 14/15 Budget and recommendation to schedule both for March Board action
- March TAC Meeting – Presentation/action on final Scoping Study Report with supporting Budget recommendations

Once again, please come to this meeting prepared to discuss the topics above. Thank for your continued input and assistance, and we look forward to discussing these projects with you later this month.

Your study team,

- Andria, Ginger, Mike, and Bill

**DRAFT**

**NBWRA Phase 2 Program**

**Summary of Proposed Phase 2 Projects' Total Estimated Capital Costs<sup>1</sup>**

11/13/2013

Agency	Projects	Distribution Pipelines	Pump Stations	Storage	WWTP Treatment Upgrades	Lump Sum or Other Construction Cost	Total Construction Contract Costs	USBR Allowance/Contingencies (35%) <sup>2</sup>	Opinion of Probable Const. Costs	USBR Non-Contract Costs (25%) <sup>3</sup>	Opinion of Probable Total Project Capital Costs	Summary by Agency
MMWD	Peacock Gap Main Pipeline Extension	\$ 4,709,991	\$ -	\$ -	\$ -	\$ -	\$ 4,709,991	\$ 1,650,000	\$ 6,360,000	\$ 1,590,000	\$ 7,950,000	\$ 20,110,000
	Peacock Gap Area Infill	\$ 2,800,000	\$ -	\$ -	\$ -	\$ -	\$ 2,800,000	\$ 980,000	\$ 3,780,000	\$ 950,000	\$ 4,730,000	
	San Quentin State Prison	\$ 345,745	\$ 377,250	\$ 246,200	\$ 710,000	\$ -	\$ 1,679,195	\$ 590,000	\$ 2,270,000	\$ 570,000	\$ 2,840,000	
	Mt. Tamalpais Cemetery	\$ 922,443	\$ 759,917	\$ -	\$ -	\$ -	\$ 1,682,360	\$ 590,000	\$ 2,270,000	\$ 570,000	\$ 2,840,000	
	Lucas Pipeline Extension	\$ 832,931	\$ -	\$ 205,146	\$ -	\$ -	\$ 1,038,078	\$ 360,000	\$ 1,400,000	\$ 350,000	\$ 1,750,000	
LGVSD	Tertiary Treatment Upgrades	\$ -	\$ -	\$ -	\$ 2,592,592	\$ -	\$ 2,592,592	\$ 910,000	\$ 3,500,000	\$ 880,000	\$ 4,380,000	\$ 21,570,000
	Secondary Storage/Flood Protection	\$ -	\$ -	\$ 86,988	\$ -	\$ 1,111,111	\$ 1,198,099	\$ 420,000	\$ 1,620,000	\$ 410,000	\$ 2,030,000	
	Terra Linda Storm Water Capture	\$ -	\$ -	\$ -	\$ -	\$ 555,556	\$ 555,556	\$ 190,000	\$ 750,000	\$ 190,000	\$ 940,000	
	Existing Storage Pond Repair/Upgrade	\$ -	\$ 1,000,000	\$ 2,976,750	\$ -	\$ -	\$ 3,976,750	\$ 1,390,000	\$ 5,370,000	\$ 1,340,000	\$ 6,710,000	
	McInnis Marsh	\$ -	\$ -	\$ -	\$ -	\$ 4,450,000	\$ 4,450,000	\$ 1,560,000	\$ 6,010,000	\$ 1,500,000	\$ 7,510,000	
Novato SD	248-Acre Storage Wetland	\$ 2,200,000	\$ -	\$ 6,750,160	\$ -	\$ -	\$ 8,950,160	\$ 3,130,000	\$ 12,080,000	\$ 3,020,000	\$ 15,100,000	\$ 35,540,000
	WWTP Capacity Upgrade	\$ -	\$ -	\$ -	\$ 9,360,000	\$ -	\$ 9,360,000	\$ 3,280,000	\$ 12,640,000	\$ 3,160,000	\$ 15,800,000	
	Tidal Prism and Habitat Restoration	\$ 1,479,752	\$ 1,273,831	\$ -	\$ -	\$ -	\$ 2,753,582	\$ 960,000	\$ 3,710,000	\$ 930,000	\$ 4,640,000	
Petaluma	WWTP Capacity Upgrade	\$ -	\$ -	\$ -	\$ 3,690,000	\$ -	\$ 3,690,000	\$ 1,290,000	\$ 4,980,000	\$ 1,250,000	\$ 6,230,000	\$ 62,780,000
	Conversion of Oxidation Ponds	\$ -	\$ -	\$ 3,795,000	\$ -	\$ -	\$ 3,795,000	\$ 1,330,000	\$ 5,130,000	\$ 1,280,000	\$ 6,410,000	
	Phase II East Expansion	\$ 3,109,769	\$ -	\$ -	\$ -	\$ -	\$ 3,109,769	\$ 1,090,000	\$ 4,200,000	\$ 1,050,000	\$ 5,250,000	
	Phase III West Expansion	\$ 6,742,703	\$ -	\$ -	\$ -	\$ -	\$ 6,742,703	\$ 2,360,000	\$ 9,100,000	\$ 2,280,000	\$ 11,380,000	
	Agricultural Properties Storage	\$ -	\$ -	\$ 8,072,750	\$ -	\$ -	\$ 8,072,750	\$ 2,830,000	\$ 10,900,000	\$ 2,730,000	\$ 13,630,000	
	Northeast Storage Tank	\$ -	\$ -	\$ 6,155,000	\$ -	\$ -	\$ 6,155,000	\$ 2,150,000	\$ 8,310,000	\$ 2,080,000	\$ 10,390,000	
SVCS	Eastside Storage Pond	\$ -	\$ -	\$ 5,622,461	\$ -	\$ -	\$ 5,622,461	\$ 1,970,000	\$ 7,590,000	\$ 1,900,000	\$ 9,490,000	\$ 31,040,000
	Sonoma Valley Pipelines	\$ 9,981,675	\$ -	\$ -	\$ -	\$ -	\$ 9,981,675	\$ 3,490,000	\$ 13,470,000	\$ 3,370,000	\$ 16,840,000	
	Sonoma Valley Storage Pond	\$ -	\$ -	\$ 5,272,000	\$ -	\$ -	\$ 5,272,000	\$ 1,850,000	\$ 7,120,000	\$ 1,780,000	\$ 8,900,000	
SCWA	SV South Recycled Water Project	\$ 3,140,000	\$ -	\$ -	\$ -	\$ -	\$ 3,140,000	\$ 1,100,000	\$ 4,240,000	\$ 1,060,000	\$ 5,300,000	\$ 25,890,000
	Groundwater Banking/ASR Storage	\$ 840,000	\$ -	\$ -	\$ -	\$ 7,500,000	\$ 8,340,000	\$ 2,920,000	\$ 11,260,000	\$ 2,820,000	\$ 14,080,000	
	Stormwater Recharge: Sonoma Valley	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 4,000,000	\$ 1,400,000	\$ 5,400,000	\$ 1,350,000	\$ 6,750,000	
Napa SD	Stormwater Recharge: Petaluma River	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 3,000,000	\$ 1,050,000	\$ 4,050,000	\$ 1,010,000	\$ 5,060,000	\$ 101,490,000
	MST Tulocay Pipeline	\$ 1,180,000	\$ -	\$ -	\$ -	\$ -	\$ 1,180,000	\$ 410,000	\$ 1,590,000	\$ 400,000	\$ 1,990,000	
	Increase Filter Capacity	\$ -	\$ -	\$ -	\$ 1,110,000	\$ -	\$ 1,110,000	\$ 390,000	\$ 1,500,000	\$ 380,000	\$ 1,880,000	
	Long Term (Ph 2 Related) WWTP Expansion	\$ -	\$ -	\$ -	\$ 2,592,593	\$ -	\$ 2,592,593	\$ 910,000	\$ 3,500,000	\$ 880,000	\$ 4,380,000	
	Additional WWTP Covered Storage	\$ -	\$ -	\$ 1,481,480	\$ -	\$ -	\$ 1,481,480	\$ 520,000	\$ 2,000,000	\$ 500,000	\$ 2,500,000	
	Napa State Hospital Storage Tank	\$ 60,000	\$ -	\$ 1,477,200	\$ -	\$ -	\$ 1,537,200	\$ 540,000	\$ 2,080,000	\$ 520,000	\$ 2,600,000	
	Raising WWTP Oxidation Pond Levees	\$ -	\$ -	\$ 24,000,000	\$ -	\$ -	\$ 24,000,000	\$ 8,400,000	\$ 32,400,000	\$ 8,100,000	\$ 40,500,000	
	Jameson Ranch Storage Pond	\$ 3,370,000	\$ -	\$ 6,590,000	\$ -	\$ -	\$ 9,960,000	\$ 3,490,000	\$ 13,450,000	\$ 3,360,000	\$ 16,810,000	
Somky Ranch Storage Pond	\$ 840,000	\$ -	\$ 6,590,000	\$ -	\$ -	\$ 7,430,000	\$ 2,600,000	\$ 10,030,000	\$ 2,510,000	\$ 12,540,000		
Total	Groundwater Banking/ASR Storage	\$ 840,000	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,840,000	\$ 3,790,000	\$ 14,630,000	\$ 3,660,000	\$ 18,290,000	
		\$ 43,400,000	\$ 3,420,000	\$ 79,330,000	\$ 20,060,000	\$ 30,620,000	\$ 176,800,000	\$ 61,890,000	\$ 238,690,000	\$ 59,730,000	\$ 298,420,000	

Notes:

1: Based on Phase 1 Costing Methods Updated to ENR CCI = 10,388.34 [September 2013]

2: USBR Allowance/Contingencies (35%) includes:

Allowance for Unlisted Items accounts for additional work that may be identified during additional design phases of the Project (15%),

Contingencies are considered as funds to be used after construction starts to pay contractors for overruns on quantities, changes site conditions, change orders, etc. (20%)

3: Non-Contract Cost (25%) includes:

Preliminary and final design engineering, preparation of construction plans and specifications (11%),

Construction services including construction management, construction inspection, engineering support during construction, construction surveying, start-up services, and as-built drawings (13%),

Project administration, legal support (1%)



## Phase 2 Scoping Studies TAC Study Session

December 16, 2013



**NORTH BAY WATER REUSE PROGRAM**  
*Water Supply Reliability through Regional Reuse*

## Agenda

- ◆ Title XVI Authorization Assumptions and Constraints
- ◆ Sizing Phase 2 – Candidate Project List
- ◆ Members' Financial Obligations
- ◆ Next Steps



**NORTH BAY WATER REUSE PROGRAM**  
*Water Supply Reliability through Regional Reuse*

## Title XVI and Implementation Funding


- ◆ The NBWRP has a 2-phased authorization under Title XVI
- ◆ The only current federal program tied to specifically funding project implementation is Title XVI which provides a maximum of 25% of the project costs
- ◆ Due to funding constraints of the Title XVI Program, a likely scenario would provide a maximum of \$4M a year over the next 10 years, or a \$160M Program





## Assumptions and Constraints

- ◆ The group of projects selected for Phase 2 Feasibility Studies does not exceed \$160M (study budget based on \$120-160M in study costs)
- ◆ The NBWRA must obligate 100% of the study costs as part of the grant criteria
- ◆ Grant funds to assist with study costs are being sought but have not yet been secured
- ◆ The only current federal program tied to specifically funding project implementation is Title XVI which provides 25% of the project costs






## Phase 2 Projects Discussion



**NORTH BAY WATER REUSE PROGRAM**  
*Water Supply Reliability through Regional Reuse*

### Phase 2 Candidate Projects

MMWD	LGVSD	Novato SD	Petaluma	SVCSD	SCWA	Napa SD
Peacock Gap Main Pipeline Extension						
Peacock Gap Area Infill						
San Quentin State Prison						
Mt. Tamalpais Cemetery						
Lucas Pipeline Extension						
Tertiary Treatment Upgrades						
Secondary Storage/Flood Protection						
Terra Linda Storm Water Capture						
Existing Storage Pond Repair/Upgrade						
McIntish Marsh						
248-Acre Storage Wetland						
WWTP Capacity Upgrade						
Tidal Prism and Habitat Restoration						
WWTP Capacity Upgrade						
Conversion of Oxidation Ponds						
Phase II East Expansion						
Phase III West Expansion						
Agricultural Properties Storage						
Northeast Storage Tank						
Eastside Storage Pond						
Sonoma Valley Pipelines						
Sonoma Valley Storage Pond						
SV South Recycled Water Project						
Groundwater Banking/ASR Storage						
Stormwater Recharge: Sonoma Valley						
Stormwater Recharge: Petaluma River						
IMST Tulocay Pipeline						
Increase Filter Capacity						
Long Term (Phase 2) WWTP Expansion						
Additional WWTP Covered Storage						
Napa State Hospital Storage Tank						
Raising WWTP Oxidation Pond Levees						
Jameson Ranch Storage Pond						
Somky Ranch Storage Pond						
Groundwater Banking/ASR Storage						
<b>\$20,110,000</b>	<b>\$21,570,000</b>	<b>\$35,540,000</b>	<b>\$62,780,000</b>	<b>\$31,040,000</b>	<b>\$25,890,000</b>	<b>\$101,490,000</b>
<b>\$298,420,000</b>						
<b>Cost Percentage by Facility Type</b>						
<ul style="list-style-type: none"> <li>○ Storage 45%</li> <li>○ Pipelines 25%</li> <li>○ WWTPs 11%</li> <li>○ Other 17%</li> <li>○ Pump Stations 2%</li> </ul>						
 <p><b>NORTH BAY WATER REUSE PROGRAM</b> <i>Water Supply Reliability through Regional Reuse</i></p>						

## Working Spreadsheet



## Members' Financial Obligations



### Anticipated Costs for 3 years based on Current Allocations

Contract	SCWA	SVCSD	Petaluma	Napa SD	Novato SD	LGVS	MMWD	NMWD	Napa County	Total
Phase 1 Support	\$4,220	\$32,463	0	\$37,688	\$10,175	\$8,554	0	\$20,844	\$4,220	\$118,164
Phase 2 Eng, Env, Outreach	\$430,610	\$430,610	\$430,610	\$430,610	\$430,610	\$430,610	\$430,610	0	0	\$3,014,270
Joint Use Leg. Dev.	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$1,341,027
Joint Use Program Manager	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$244,000
SCWA Admin	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$450,000
<b>Total</b>	<b>\$660,944</b>	<b>\$689,187</b>	<b>\$656,724</b>	<b>\$694,412</b>	<b>\$666,899</b>	<b>\$665,278</b>	<b>\$656,724</b>	<b>\$246,958</b>	<b>\$230,334</b>	<b>\$5,167,461</b>



### Anticipated Annual Costs for Per Agency for 3 years of Feasibility Study

Contract	SCWA	SVCSD	Petaluma	Napa SD	Novato SD	LGVS	MMWD	NMWD	Napa County	Total
Phase 1 Support	\$4,220	\$32,463	0	\$37,688	\$10,175	\$8,554	0	\$20,844	\$4,220	\$118,164
Phase 2 Eng, Env, Outreach	\$430,610	\$430,610	\$430,610	\$430,610	\$430,610	\$430,610	\$430,610	0	0	\$3,014,270
Joint Use Leg. Dev.	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$149,003	\$1,341,027
Joint Use Program Manager	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$27,111	\$244,000
SCWA Admin	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$450,000
<b>Total</b>	<b>\$660,944</b>	<b>\$689,187</b>	<b>\$656,724</b>	<b>\$694,412</b>	<b>\$666,899</b>	<b>\$665,278</b>	<b>\$656,724</b>	<b>\$246,958</b>	<b>\$230,334</b>	<b>\$5,167,461</b>
<b>Annual Cost</b>	<b>\$220,315</b>	<b>\$229,729</b>	<b>\$218,908</b>	<b>\$231,471</b>	<b>\$222,300</b>	<b>\$221,759</b>	<b>\$218,908</b>	<b>\$82,319</b>	<b>\$76,778</b>	<b>\$1,722,487</b>





## Next Steps: Discussions with Your Boards

- ◆ Discuss and finalize list of projects
- ◆ Discuss and finalize your financial commitment
- ◆ Be prepared discuss at January TAC



## Final Schedule

- ◆ January Workshop
  - Present conceptual Phase 2 Scoping Study findings
- ◆ Post-workshop TAC meeting
  - Provide feedback to study team regarding discussions with member Boards about study costs and candidate projects
- ◆ February TAC Meeting
  - Approve Scoping Study recommendations for future Feasibility Study and FY 14/15 Budget
  - Recommend to schedule both for March Board action
- ◆ March Board Meeting
  - Presentation/action on final Scoping Study Report with supporting Budget recommendations



## **ITEM NO. 8 PROPOSED BUDGETS FOR FY14/15, FY15/16, AND FY16/17**

**Action Requested:** Action on this item depends on the final scopes and costs for the three consultant agreements and SCWA administrative costs.

Attached for the TAC's information are the following items:

1. Proposed Budgets for FY14/15, FY15/16, and FY16/17
2. Three pages showing the member agency cost allocations for the three fiscal years.
3. Summary page of member agency total cost allocations for the three fiscal years.

This information was previously presented to the TAC at the October 2013 meeting and redistributed to include updated costs for SCWA administration. At the October meeting, the TAC took the following actions:

### **Agreement for Engineering, Environmental, and Outreach Services**

Following discussion, and as an action item, the TAC unanimously approved authorizing SCWA to put an agreement with Brown and Caldwell in their queue for approval. It was understood that the scope and cost were subject to modification based on the list of projects ultimately approved for the EIR/EIS process. There was also discussion that the cost table should be modified such that associated project costs are not included in other direct costs. The final scope and costs are anticipated to be completed at the completion of the Phase 2 Scoping Study.

### **Agreement for Legislative Development Services**

Following discussion, and as an action item, the TAC unanimously approved authorizing SCWA to put an agreement with Bryant & Associates in their queue for approval. There was also discussion Phase 1 costs should be separated out and that other direct costs (e.g. travel) should be billed separately from the monthly retainer.

### **Agreement for Program Management**

Following discussion, and as an action item, the TAC unanimously approved authorizing SCWA to put an agreement with Weir Technical Services in their queue for approval. Since a Request for Qualifications for Program Management was completed in late 2012, a new RFQ does not need to be completed at this time.

All three agreements are in the queue at SCWA pending resolution on the final scopes and costs, and budget approval by the Board. The changes discussed at the October TAC meeting are pending a resolution on the final list of projects for Phase 2. As noted in the email for Item No. 7, the Engineering, Environmental, and Outreach costs are based on Phase 2 projects in the \$120-

\$160M range. Administrative costs assume that the number of Board and TAC meetings is consistent with the last couple of years.

Cost allocations are based on the current Memorandum of Understanding. Feasibility Study costs are shared equally by the seven participating agencies. The TAC may want to consider a modification to that cost sharing based on the estimate Phase 2 project costs for each agency once the Scoping Study is completed.

**Recommendation**

No specific recommendation at this time. Action on this item depends on the final scopes and costs for the three consultant agreements and SCWA administrative costs.

North Bay Water Reuse Authority  
 Proposed Fiscal Year Budgets  
 Fiscal Year 2014/15 through Fiscal Year 2016/17

October 24, 2013

	Approved 3/25/13	Proposed	Proposed	Proposed	Proposed
Phase 1 Support	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Grant Applications and Management	60,000	50,311	50,311	17,543	118,165
Contingency	5,000	-	-	-	-
<b>Total Costs for Phase 1 Support</b>	<b>65,000</b>	<b>50,311</b>	<b>50,311</b>	<b>17,543</b>	<b>118,165</b>

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 2 Support					
Federal Authorizations and Appropriations - The Ferguson Group	18,000	-	-	-	-
Feasibility Study Grant Application Preparation	40,000	-	-	-	-
Contingency	5,000	-	-	-	-
<b>Total Costs for Phase 2 Support</b>	<b>63,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 2 Feasibility Study - Three Years					
Engineering, Environmental, and Outreach Services	166,080	1,162,157	999,668	734,286	2,896,111
SCWA Administration	-	50,000	50,000	50,000	150,000
Contingency	-	-	-	-	-
<b>Total Costs for Study</b>	<b>166,080</b>	<b>1,212,157</b>	<b>1,049,668</b>	<b>784,286</b>	<b>3,046,111</b>
<b>Potential Federal Cost Sharing Reimbursement</b>		<b>606,079</b>	<b>524,834</b>	<b>392,143</b>	<b>1,523,056</b>

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 2 Workshops (18 -month)					
Planning, Engineering, and Program Development	42,275	-	-	-	-
Contingency	-	-	-	-	-
<b>Total Costs for Scoping Study Workshops</b>	<b>42,275</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Costs for Phase 2</b>	<b>271,355</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,046,111</b>

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Joint Use					
Program Management - Weir	78,000	78,000	83,000	83,000	244,000
Program Development and Federal Funding - Bryant & Associates	178,000	447,010	447,010	447,010	1,341,030
Federal Authorizations and Appropriations - The Ferguson Group	65,000	-	-	-	-
Planning, Engineering and Funding Management - CDM Smith	10,000	-	-	-	-
State Funding / State Outreach - The Cbate Group	30,000	-	-	-	-
Outreach and Community Support - Data Instincts	50,000	-	-	-	-
SCWA Administration	150,000	150,000	150,000	150,000	450,000
Contingency	25,000	-	-	-	-
<b>Total Costs for Joint Use</b>	<b>586,000</b>	<b>675,010</b>	<b>680,010</b>	<b>680,010</b>	<b>2,035,030</b>

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Total Costs					
Program Management - Weir	78,000	78,000	83,000	83,000	244,000
Program Development and Federal Funding - Bryant & Associates	199,180	447,010	447,010	447,010	1,341,030
Federal Authorizations and Appropriations - The Ferguson Group	83,000	-	-	-	-
Planning, Engineering and Funding Management - CDM Smith	158,710	-	-	-	-
Engineering, Environmental, and Outreach - Brown & Caldwell	83,890	1,212,468	1,049,979	751,829	3,014,276
Environmental Documentation, Permitting and Monitoring - ESA	10,000	-	-	-	-
State Funding / State Outreach - The Cbate Group	30,000	-	-	-	-
Outreach and Community Support - Data Instincts	50,000	-	-	-	-
SCWA Administration	194,575	200,000	200,000	200,000	600,000
Contingency	35,000	-	-	-	-
<b>Total Costs for NBWRA</b>	<b>922,355</b>	<b>1,937,478</b>	<b>1,779,989</b>	<b>1,481,839</b>	<b>5,199,306</b>
<b>Potential Federal Cost Sharing Reimbursement</b>	<b>-</b>	<b>606,079</b>	<b>524,834</b>	<b>392,143</b>	<b>1,523,056</b>
<b>Potential Net Cost to NBWRA</b>	<b>922,355</b>	<b>1,331,400</b>	<b>1,255,155</b>	<b>1,089,696</b>	<b>3,676,251</b>

**North Bay Water Reuse Authority  
Proposed Agency Cost Allocations  
Fiscal Year 2014/15**

**Member Agency Cost Allocations**

October 24, 2013

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
MOU Percent for Phase 1			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Application and Management - B&C	50,311	50,311	3,642	16,046	4,332	13,822	1,797	8,875	1,797	
<b>Total</b>	<b>\$50,311</b>	<b>\$50,311</b>	<b>\$3,642</b>	<b>\$16,046</b>	<b>\$4,332</b>	<b>\$13,822</b>	<b>\$1,797</b>	<b>\$8,875</b>	<b>\$1,797</b>	
	FY13/14	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321

Phase 2 Support, Feasibility Study (3-Year Effort)											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Engineering, Environmental, and Outreach Services - B&C	1,162,157	1,162,157	166,022	166,022	166,022	166,022	166,022	-	-	166,022	166,022
SCWA Administration	50,000	50,000	7,143	7,143	7,143	7,143	7,143	-	-	7,143	7,143
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$1,212,157</b>	<b>\$1,212,157</b>	<b>\$173,165</b>	<b>\$173,165</b>	<b>\$173,165</b>	<b>\$173,165</b>	<b>\$173,165</b>	<b>\$0</b>	<b>\$0</b>	<b>\$173,165</b>	<b>\$173,165</b>
	FY13/14	\$271,355	\$271,355	\$38,765	\$38,765	\$38,765	\$38,765	\$0	\$0	\$38,765	\$38,765

Joint Use											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Program Management - Weir	78,000	78,000	8,667	8,667	8,667	8,667	8,667	8,667	8,667	8,667	8,667
Legislative Development Services - Bryant & Associates	447,010	447,010	49,668	49,668	49,668	49,668	49,668	49,668	49,668	49,668	49,668
SCWA Administration	150,000	150,000	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$675,010</b>	<b>\$675,010</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>	<b>\$75,001</b>
	FY13/14	\$586,000	\$586,000	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111

Total Cost per Agency for FY 2014/15											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
FY14/15 Proposed	\$1,937,478	\$1,937,478	\$251,808	\$264,213	\$252,499	\$261,988	\$249,963	\$83,876	\$76,798	\$248,166	\$248,166
FY13/14	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
Difference	\$1,015,123	\$1,015,123	\$143,227	\$139,605	\$143,025	\$140,255	\$143,766	\$7,299	\$9,365	\$144,290	\$144,290
Potential Federal Cost Sharing Reimbursement		\$606,079	\$86,583	\$86,583	\$86,583	\$86,583	\$86,583	\$0	\$0	\$86,583	\$86,583
Potential Net Cost to NBWRA		\$1,331,400	\$165,226	\$177,630	\$165,916	\$175,406	\$163,381	\$83,876	\$76,798	\$161,584	\$161,584
Difference from FY13/14		\$409,045	\$56,644	\$53,023	\$56,443	\$53,672	\$57,183	\$7,299	\$9,365	\$57,708	\$57,708
Annual Cost if split equally over three years (w/o fed)		\$1,733,102	\$223,276	\$232,987	\$223,816	\$231,245	\$221,831	\$82,320	\$76,778	\$220,424	\$220,424

North Bay Water Reuse Authority  
 Proposed Agency Cost Allocations  
 Fiscal Year 2015/16

Member Agency Cost Allocations

October 24, 2013

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
MOU Percent for Phase 1			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Application and Management - B&C	50,311	50,311	3,642	16,046	4,332	13,822	1,797	8,875	1,797	
<b>Total</b>	<b>\$50,311</b>	<b>\$50,311</b>	<b>\$3,642</b>	<b>\$16,046</b>	<b>\$4,332</b>	<b>\$13,822</b>	<b>\$1,797</b>	<b>\$8,875</b>	<b>\$1,797</b>	
	FY13/14	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321

Phase 2 Support, Feasibility Study (3-Year Effort)											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Engineering, Environmental, and Outreach Services - B&C	999,668	999,668	142,810	142,810	142,810	142,810	142,810	-	-	142,810	142,810
SCWA Administration	50,000	50,000	7,143	7,143	7,143	7,143	7,143	-	-	7,143	7,143
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$1,049,668</b>	<b>\$1,049,668</b>	<b>\$149,953</b>	<b>\$149,953</b>	<b>\$149,953</b>	<b>\$149,953</b>	<b>\$149,953</b>	<b>\$0</b>	<b>\$0</b>	<b>\$149,953</b>	<b>\$149,953</b>
	FY13/14	\$271,355	\$271,355	\$38,765	\$38,765	\$38,765	\$38,765	\$0	\$0	\$38,765	\$38,765

Joint Use											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Program Management - Weir	83,000	83,000	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222
Legislative Development Services - Bryant & Associates	447,010	447,010	49,668	49,668	49,668	49,668	49,668	49,668	49,668	49,668	49,668
SCWA Administration	150,000	150,000	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$680,010</b>	<b>\$680,010</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>
	FY13/14	\$586,000	\$586,000	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111

Total Cost per Agency for FY 2015/16											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
FY15/16 Proposed	\$1,779,989	\$1,779,989	\$229,151	\$241,556	\$229,842	\$239,331	\$227,306	\$84,431	\$77,353	\$225,509	\$225,509
FY13/14	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
Difference	\$857,634	\$857,634	\$120,570	\$116,948	\$120,368	\$117,598	\$121,109	\$7,854	\$9,921	\$121,633	\$121,633
Potential Federal Cost Sharing Reimbursement		\$524,834	\$74,976	\$74,976	\$74,976	\$74,976	\$74,976	\$0	\$0	\$74,976	\$74,976
Potential Net Cost to NBWRA		\$1,255,155	\$154,175	\$166,579	\$154,865	\$164,355	\$152,330	\$84,431	\$77,353	\$150,533	\$150,533
Difference from FY13/14		\$332,800	\$45,594	\$41,972	\$45,392	\$42,621	\$46,132	\$7,854	\$9,921	\$46,657	\$46,657
Annual Cost if split equally over three years (w/o fed)		\$1,733,102	\$223,276	\$232,987	\$223,816	\$231,245	\$221,831	\$82,320	\$76,778	\$220,424	\$220,424

North Bay Water Reuse Authority  
 Proposed Agency Cost Allocations  
 Fiscal Year 2016/17

Member Agency Cost Allocations

October 24, 2013

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
MOU Percent for Phase 1			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	
Grant Application and Management - B&C	17,543	17,543	1,270	5,595	1,511	4,820	627	3,095	627	
<b>Total</b>	<b>\$17,543</b>	<b>\$17,543</b>	<b>\$1,270</b>	<b>\$5,595</b>	<b>\$1,511</b>	<b>\$4,820</b>	<b>\$627</b>	<b>\$3,095</b>	<b>\$627</b>	
	FY13/14	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321

100.000%

Phase 2 Support, Feasibility Study (3-Year Effort)											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Engineering, Environmental, and Outreach Services - B&C	734,286	734,286	104,898	104,898	104,898	104,898	104,898	-	-	104,898	104,898
SCWA Administration	50,000	50,000	7,143	7,143	7,143	7,143	7,143	-	-	7,143	7,143
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$784,286</b>	<b>\$784,286</b>	<b>\$112,041</b>	<b>\$112,041</b>	<b>\$112,041</b>	<b>\$112,041</b>	<b>\$112,041</b>	<b>\$0</b>	<b>\$0</b>	<b>\$112,041</b>	<b>\$112,041</b>
	FY13/14	\$271,355	\$271,355	\$38,765	\$38,765	\$38,765	\$38,765	\$0	\$0	\$38,765	\$38,765

Joint Use											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Program Management - Weir	83,000	83,000	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222	9,222
Legislative Development Services - Bryant & Associates	447,010	447,010	49,668	49,668	49,668	49,668	49,668	49,668	49,668	49,668	49,668
SCWA Administration	150,000	150,000	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$680,010</b>	<b>\$680,010</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>	<b>\$75,557</b>
	FY13/14	\$586,000	\$586,000	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111

Total Cost per Agency for FY 2016/17											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
FY15/16 Proposed	\$1,481,839	\$1,481,839	\$188,867	\$193,193	\$189,108	\$192,417	\$188,224	\$78,651	\$76,183	\$187,598	\$187,598
FY13/14	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
Difference	\$559,484	\$559,484	\$80,286	\$68,585	\$79,635	\$70,684	\$82,027	\$2,074	\$8,751	\$83,721	\$83,721
Potential Federal Cost Sharing Reimbursement		\$392,143	\$56,020	\$56,020	\$56,020	\$56,020	\$56,020	\$0	\$0	\$56,020	\$56,020
Potential Net Cost to NBWRA		\$1,089,696	\$132,847	\$137,172	\$133,088	\$136,397	\$132,204	\$78,651	\$76,183	\$131,577	\$131,577
Difference from FY13/14		\$167,341	\$24,266	\$12,565	\$23,614	\$14,663	\$26,006	\$2,074	\$8,751	\$27,701	\$27,701
Annual Cost if split equally over three years (w/o fed)		\$1,733,102	\$223,276	\$232,987	\$223,816	\$231,245	\$221,831	\$82,320	\$76,778	\$220,424	\$220,424

**North Bay Water Reuse Authority  
Proposed Agency Cost Allocations  
3-Year Fiscal Year Costs**

**Member Agency Cost Allocations**

October 24, 2013

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
MOU Percent for Phase 1			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	
Grant Application and Management - B&C	118,165	118,165	8,554	37,688	10,175	32,463	4,220	20,844	4,220	
<b>Total</b>	<b>\$118,165</b>	<b>\$118,165</b>	<b>\$8,554</b>	<b>\$37,688</b>	<b>\$10,175</b>	<b>\$32,463</b>	<b>\$4,220</b>	<b>\$20,844</b>	<b>\$4,220</b>	
	FY13/14	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321

100.000%

Phase 2 Support, Feasibility Study (3-Year Effort)											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Engineering, Environmental, and Outreach Services - B&C	2,896,111	2,896,111	413,730	413,730	413,730	413,730	413,730	-	-	413,730	413,730
SCWA Administration	150,000	150,000	21,429	21,429	21,429	21,429	21,429	-	-	21,429	21,429
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$3,046,111</b>	<b>\$3,046,111</b>	<b>\$435,159</b>	<b>\$435,159</b>	<b>\$435,159</b>	<b>\$435,159</b>	<b>\$435,159</b>	<b>\$0</b>	<b>\$0</b>	<b>\$435,159</b>	<b>\$435,159</b>
	FY13/14	\$271,355	\$271,355	\$38,765	\$38,765	\$38,765	\$38,765	\$0	\$0	\$38,765	\$38,765

Joint Use											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Program Management - Weir	244,000	244,000	27,111	27,111	27,111	27,111	27,111	27,111	27,111	27,111	27,111
Legislative Development Services - Bryant & Associates	1,341,030	1,341,030	149,003	149,003	149,003	149,003	149,003	149,003	149,003	149,003	149,003
SCWA Administration	450,000	450,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Contingency	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>\$2,035,030</b>	<b>\$2,035,030</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>	<b>\$226,114</b>
	FY13/14	\$586,000	\$586,000	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111

Total Cost per Agency for FY 2014/15, FY2015/16, and FY 2016/17											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
3-FY Proposed	\$5,199,306	\$5,199,306	\$669,827	\$698,961	\$671,448	\$693,736	\$665,493	\$246,959	\$230,335	\$661,273	\$661,273
FY13/14 x 3	\$2,767,065	\$2,767,065	\$325,744	\$373,822	\$328,420	\$365,200	\$318,593	\$229,731	\$202,298	\$311,628	\$311,628
Difference	\$2,432,241	\$2,432,241	\$344,083	\$325,139	\$343,028	\$328,536	\$346,901	\$17,227	\$28,037	\$349,645	\$349,645
Potential Federal Cost Sharing Reimbursement		\$1,523,056	\$217,579	\$217,579	\$217,579	\$217,579	\$217,579	\$0	\$0	\$217,579	\$217,579
Potential Net Cost to NBWRA		\$3,676,251	\$452,248	\$481,382	\$453,869	\$476,157	\$447,914	\$246,959	\$230,335	\$443,694	\$443,694
Difference from FY13/14		\$909,186	\$126,503	\$107,559	\$125,449	\$110,957	\$129,321	\$17,227	\$28,037	\$132,065	\$132,065
Annual Cost if split equally over three years (w/o fed)		\$1,733,102	\$223,276	\$232,987	\$223,816	\$231,245	\$221,831	\$82,320	\$76,778	\$220,424	\$220,424





## A Triple Bottom Line-based Economic Assessment of the North Bay Water Reuse Program (Phase 2)

**STRATUS CONSULTING**

Prepared by Bob Raucher and Jim Henderson of Stratus Consulting on behalf of the NBWRP

### Triple Bottom Line (TBL) Approach

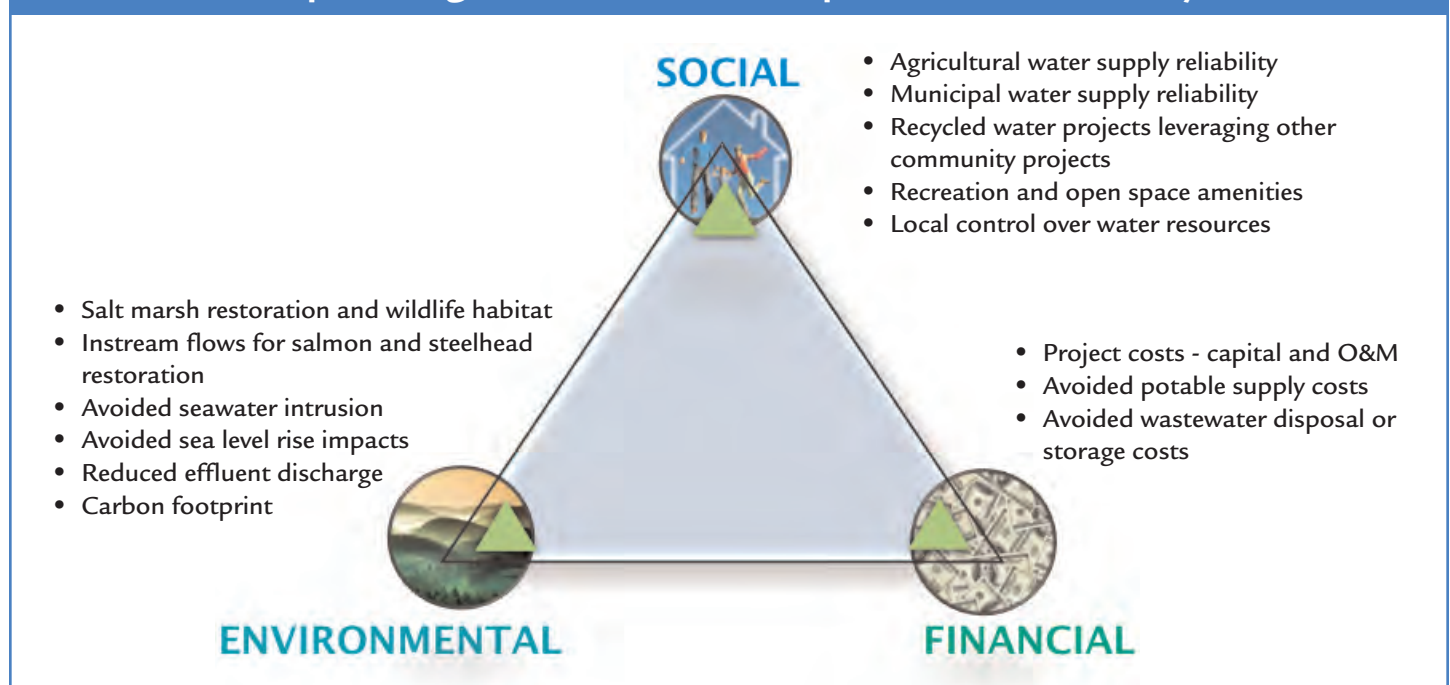
The TBL assessment of the NBWRP will provide a comprehensive benefit-cost analysis, wherein all of the many financial, social, and environmental benefits generated for the region will be identified, quantified and, to the extent feasible, monetized (i.e., expressed in dollar terms). The key is to ensure that all the positive outcomes associated with the program are suitably described and recognized—whether in dollar measures or qualitative terms—so that they all can be taken into account when weighing the overall value of investments in the program. The beneficial values include ecosystem services associated with instream flow enhancements and salt marsh restoration values. Societal benefits include the value of enhanced water supply reliability to local agricultural entities, and the associated economic value to the region. By capturing all of the important benefits that the program provides, the TBL approach enables a

suitable evaluation of the federal, state, and local investments being made in the program.

### What the NBWRP is Proposing to Do

The NBWRP is a watershed based, regional-scale water recycling program authorized under Reclamation’s Title XVI Program. This Program includes treatment, storage and distribution projects specifically designed to use recycled water to meet urban, agricultural and environmental demands on the North Bay’s limited water resources. They are proposing to include a TBL analysis as part of their Phase 2 Title XVI Feasibility Studies under Reclamation’s WaterSMART Program. The intent is to capture the full value, from a watershed perspective, of what thoughtfully developed recycled water investments can yield and contribute toward a wide array of benefits throughout the region, including supply resiliency for all water users in the North Bay.

### Example Categories for NBWRP Triple Bottom Line Analysis



### Why this Matters to Reclamation

- TBL analysis is a tool to qualitatively and quantitatively value all uses of recycled water in the watershed, therefore defining the full value of federal investment in recycled water infrastructure
- Provide an example of how this kind of analysis could provide a platform for fair and objective comparison of other, similar proposed projects in the west
- TBL analysis parallels the objectives of the *Principals, Requirements and Guidelines for Federal Investments in Water Resources issued in March 2013* and could produce an example methodology of how this kind of analysis can describe the full value of both federal and local investment in recycled water infrastructure

### Background

Water reclamation and reuse can provide a wide array of benefits, above and beyond the avoided cost of alternate supply options. These additional valuable outcomes often include significant societal and environmental benefits, in addition to potential financial savings. For example, salt marsh restoration provides important benefits along the Pacific flyway, and increased water supply reliability for vineyards provides income and job security for local agriculture and helps sustain a healthy regional economy. The full extent of these and other “Triple Bottom Line” (TBL) values can be especially important in a regional program—such as the NBWRP—involving numerous water and sanitation agencies and a combination of well-integrated water reuse projects.

### Objectives

To estimate the TBL benefits and costs of key Phase 2 components of the NBWRP to:

1. Demonstrate methods for estimating the array of TBL benefits derived from a well-integrated regional water reuse program and, thereby, provide a clear illustration so other regions can apply TBL concepts and methods to assess and enhance the total value of their programs.
2. Provide credible TBL economic value estimates to guide regional planning efforts and prioritize projects within Phase 2 of the NBWRP.
3. Foster greater utility and stakeholder engagement in recognizing and articulating the value they obtain—and the benefits provided to the broader

community and environment—from their local investments in an integrated regional water reuse program.

### Illustrative TBL Values

Water reuse can be applied to many different activities and generate a wide array of beneficial values. In the NBWRP application, key TBL benefits include the value of restoring key environmental assets such as salt marshes along the Pacific flyway, enhancing in-stream flows and riparian habitat for threatened and endangered species, protecting regional groundwater and other resources from sea level rise and salt water intrusion, increasing water supply reliability for agricultural and other regional businesses and local residents, increasing the resiliency of the local economy to future droughts, reducing reliance and unsustainable extraction of local and imported surface and groundwater, reducing the amount of effluent released to North San Pablo Bay, and reducing energy use and carbon footprints.

### Methodology

The analysis will rely on standard economic principles and practices, consistent with applicable federal and professional guidelines, and integrated with sound scientific and engineering assessments. The analyses will be consistent with methods and protocols applied by the Department of Interior and other agencies for programmatic and policy evaluation, including Natural Resource Damage Assessment and other applications of market and nonmarket valuation. The analysis will build on relevant resource documents; e.g., *An Economic Framework for Evaluating the Benefits and Costs of Water Reuse* (Raucher et al., 2006; WaterReuse Foundation, report 03-006-02).

### Anticipated Benefits

The project will enable federal and state agency partners, local utility managers, boards, and customers to better understand and prioritize the values derived from their investments in water reuse. It also will provide a clear demonstration and illustration of how to identify, describe, and consistently estimate the full TBL benefits and costs of water reuse, thus serving as a practitioner’s guide to valuing water resource management investments in other regions.



## NORTH BAY WATER REUSE PROGRAM

*Expanding Water Supplies with Regional Reuse*



December 12, 2013

The Honorable Darrell Steinberg  
 Chair, Senate Rules Committee  
 California State Senate  
 State Capitol, Room 205  
 Sacramento, CA 95814

### **Support for Confirmation of State Water Resources Control Board Appointments**

Dear Senator Steinberg:

I am writing on behalf of the North Bay Water Reuse Authority (NBWRA) in support of the confirmation of the Governor's appointments to the State Water Resources Control Board (SWRCB). NBWRA is a coalition of water and wastewater agencies in Napa, Sonoma, and Marin Counties that have pooled resources to maximize the use of recycled water in the North Bay. The NBWRA has a federally authorized Program, the North Bay Water Reuse Program, which is currently nearing 70% completion of \$104,000,000 in recycled water infrastructure projects in the North Bay Region.

NBWRA and its member agencies work closely with the SWRCB on permitting issues for our wastewater treatment plants and recycled water projects. We also interface with the SWRCB on the State Revolving Loan Program, which helps finance the local share of our projects. The three appointees have been instrumental in refining these programs and we would like to see their continued efforts on the SWRCB.

We hope re-appointment of Frances Spivy-Weber and Tam Doduc and appointment of Dorene D'Adamo will be confirmed by the Senate Rules Committee so the Board can continue its important work uninterrupted to help meet the water supply goals of the state. We respectfully request your vote to confirm all three appointees to the SWRCB.

North Bay Water Reuse Authority • c/o Novato Sanitary District • 500 Davidson Street, Novato, CA 94945  
 707-235-8965 • NBWRA.org

Senator Darrell Steinberg  
Support for Confirmation of State Water Resources Control Board Appointments  
December 12, 2013  
Page 2

Thank you for your consideration of our request.

Sincerely,

A handwritten signature in black ink, appearing to read "DR", with a large, stylized flourish extending to the right.

David Rabbitt  
Chair

c: NBWRA Board Members  
NBWRA Technical Advisory Committee Members  
SWRCB Appointees – Frances Spivy-Weber, Tam Doduc, and Dorene D’Adamo  
Dave Smith, WateReuse

**ITEM NO. 16 MEETING DATES FOR THE REST OF 2014 AND BEYOND**

**Action Requested:** Consider setting up a schedule for Board and TAC meeting for the rest of 2014 and through the completion of the Feasibility Study.

The following meetings are scheduled through May 2014:

January 27, 2014	Board and TAC
February 24, 2014	TAC
March 27, 2014	Board and TAC
April 21, 2014	TAC
May 19, 2014	Board and TAC

The Board typically meets four times per year on a quarterly basis – January, April, July, and October. The TAC meets on the same days as the Board and also the month before the Board meeting, adding meetings in March, June, September, and December. This would be consistent with the agreement scopes as well. The third Monday is still the regular meeting date, since no other acceptable date was found to accommodate Marin County.

Normally it might be preferable for the Board to meet in May for Budget approval purposes. However, if the Phase 2 Feasibility Study proceeds, a three year budget will be approved and action to continue each fiscal year should be a formality.

The TAC should discuss the proposed meeting schedule, modify as needed, and authorize the Program Manager to notify participants. Consideration of legislative and conference schedules should also be considered.

**Recommendation**

The TAC should decide on a meeting schedule for the rest of 2014 and through the Feasibility Study.