

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

Monday, April 21, 2014

Agenda

Novato City Hall Council chambers, 901 Sherman Avenue, Novato, CA 94945

Time Approximate 11:00 a.m. or 15 minutes after Board Meeting

	1.		Call to Order and Self Introductions
<b>Page 1</b>	2.	Action	Approval of Agenda
	3.		Public Comments
<b>Pages 2 – 5</b>	4.	Action	Consent Items a. March 26, 2014 TAC Meeting Minutes
<b>Page 6</b> <b>Page 7</b>	5.	Information	Report from the Program Manager a. Action Items from March 26, 2014 Meeting
<b>Pages 8 – 43</b>	6.	Action	Proposed Budgets for FY14/15, FY15/16, and FY16/17, Phase 2 Participation, and Phase 2 Projects List
<b>Pages 44 – 45</b>	7.	Action	Program Development – Federal Advocacy Update
	8.	Action	Status of WaterSMART Grants and Applications
	9.	Information	Items from Committee, Agency Staff, or Consultants
	10.	Information	Items for Next Agenda (May 19, 2014 at Novato City Hall.

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  
March 26, 2014**

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

Chair James called the Technical Advisory Committee (TAC) meeting to order at 9:55 a.m. on Wednesday, March 26, 2014. The meeting was held at Novato Sanitary District, 500 Davidson Street, Novato, CA 94945. There was a conference call number available for those not attending in person: 1-866-906-7447, passcode 2428170#.

**Committee Members Present**

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

**Others Present**

Chuck Weir, Program Manager	Weir Technical Services
Kevin Booker	Sonoma County Water Agency
Ginger Bryant	Bryant & Associates
Barry Dugan	Data Instincts
Sandeep Karkal	Novato Sanitary District
Liz Lewis	Marin County
Andria Loutsch	CDM Smith
Pilar Oñate-Quintana	The Oñate Group (by telephone)
Jim O'Toole	ESA
Michael Savage	Brown & Caldwell
Jake Spaulding	Sonoma County Water Agency
Jeff Tucker	Napa Sanitation District
Leah Walker	City of Petaluma

**2. Approval of the Agenda**

The Chair requested that Item No. 7 be the first item on the Agenda and the TAC approved.

**3. Public Comments**

There were no public comments.

**4. Consent Items****4.a February 19, 2014 TAC Meeting Minutes**

The minutes were approved as presented.

## **5. Report from the Program Manager**

The Report from the Program Manager included the following items:

### **5.a Consultant Progress Reports – February 2014**

The TAC reviewed the Progress Reports.

### **5.b Action Items from the February 19, 2014 Meeting**

The TAC reviewed the list of action items and noted that all items are on track.

## **6. Financial Report**

The Financial Report included the following items:

### **6.a Consultant Cost Tracking through February 28, 2014**

The TAC reviewed the consultant cost tracking and noted that all items are within budget.

### **6.b SCWA Financial Files**

The TAC reviewed the files.

## **7. Proposed Budgets for FY2014/15, FY2015/16, FY2016/17, and FY2017/18, Phase 2 Participation, and Phase 2 Project List**

As noted above, this item was discussed after Item No. 2. Chair James distributed a document that summarized the Budget as presented in October 2013, February 2014, March 2014 (four year budget), and March 2014 (converted to a three year budget). The document also included percent differences between the versions.

TAC members individually discussed their concerns with the Budget. Comments were generally consistent and included the following: support for the regional effort, concern with the increase from October to February and not enough of a decrease in March, cost shifting as projects are deleted or members drop out of Phase 2, the cost for the Triple Bottom Line Analysis, a desire to stick with a three year budget, and high administrative costs. The TAC noted that current project costs are not much greater than the \$120 million estimate in October but the consultant costs are substantially higher. TAC members expressed a desire to see reductions from February on the order of 30-35% as requested or at least back to the October level.

Mike Savage discussed options to keep the process moving forward and suggested that the EIR/EIS analysis be held off until the project are better defined through the Feasibility Study. He displayed a chart that listed all the tasks that must be completed to be eligible to receive federal funds for implementation of projects. He offered to discuss projects with the agencies with the intent of better clarifying projects and what would be needed in the Feasibility Study and EIR/EIS.

Ginger Bryant discussed the recent Funding Opportunity Announcement from USBR that recognizes regional efforts but does not include adequate funding. She indicated that under the current program funding would be limited to \$150,000 per year for three years. She continues to work with USBR to develop other funding opportunities, including WaterSMART and other

programs. She noted that inconsistency in funding from year to year was common during Phase 1, yet the needed funds eventually were approved. She believed that the same would be true for Phase 2.

Chair James noted that this item was listed for action and she indicated that the current Budget would not be approved by the TAC. She summarized the thoughts of the TAC and requested the consultants and SCWA work with the agencies to reduce costs for a revised budget that could be approved by the TAC and forwarded to the Board for approval.

Following discussion the TAC took the following actions unanimously:

1. Continued Item No. 7, Budget for FY2014/15, FY2015/16, and FY2016/17, Phase 2 Participation, and Phase 2 Projects List to the April 21, 2016 TAC meeting.
2. Directed the consultants to revise scopes and costs for a three year budget that meets all federal requirements to be eligible for funding for implementation; and directed the Program Manager to show cost sharing by a) project cost, and b) equal shares as noted in the Memorandum of Understanding.

For the purposes of action item No. 2, consultants includes Sonoma County Water Agency administrative costs.

### **8. Program Development – Federal Advocacy Update**

Some of this item was discussed during Item No. 7. Ginger Bryant discussed the items in her report, including USBR and WaterSMART Grants, Washington D.C. activities, FY2015 appropriations, legislation, and potential legislative partners.

### **9. State Advocacy Update**

Pilar Oñate Quintana provided an update for the TAC, including the versions of the Water Bond, the Governor's possible input on the Water Bond, the drought relief bill, and IRWM. She also indicated that she was working with Napa Sanitation District to resolve issues with Napa State Hospital. Tim Healy asked about the "buy American" provisions in IRWM funding and whether there were opportunities for waiving the requirement. Ginger Bryant noted that it is a federal requirement and Senator Boxer is working on that issue in legislation.

### **10. Outreach Program Report**

Barry Dugan provided an update, including a recent article in Water Online that featured the NBWRA program. .

### **11. Status of WaterSMART Grants and Applications**

This item was covered under Item No. 8.

### **12. Proposition 84 – Integrated Regional Water Management Program Update and Status**

Andria Loutsch discussed recent meetings and NBWRA's submittal to BACWA. Renee Webber also provided information on this topic related to BACWA's efforts.

**13. EIR/EIS Update**

There was nothing to report.

**14. Items from the Committee, Agency Staff, or Consultants**

Kevin Booker discussed AB1200 that was vetoed by the Governor with a direction to the State Water Resources Control Board (SWRCB) to develop an applicable permit for recycled water storage in ponds adjacent to streams. Tom Howard, SWRCB Executive Officer, indicated that these permit should be issued on a case-by-case basis by the regional water quality control boards. Kevin Booker asked which agencies would be interested in meeting with the San Francisco Bay Regional Board on this issue and that he would schedule a conference call to get started. Napa Sanitation District, Sonoma Valley County Sanitation Agency, and City of Petaluma expressed interest.

Beverly James noted that she was retiring and her last day is Monday, March 31, 2014. Members of the TAC and consultant team congratulated her on her retirement and thanked her for her leadership to NBWRA.

**18. Items for the Next Agenda**

Items for the April 21, 2014 TAC Agenda include:

- a. Election of a new Chair and Vice Chair
- b. Continued Item No. 7, Budget for FY2014/15, FY2015/16, and FY2016/17, Phase 2 Participation, and Phase 2 Projects List to the April 21, 2016 TAC meeting
- c. Consultants to revise scopes and costs for a three year budget that meets all federal requirements to be eligible for funding for implementation. This includes SCWA administrative costs. The Program Manager to show cost sharing by a) project cost, and b) equal shares as noted in the Memorandum of Understanding.

Chair James adjourned the meeting at 11:54 a.m.

*NEXT MEETING INFORMATION: Next meeting will be at City of Novato Council Chambers, Novato, CA on April 21, 2014.*

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

The Report from the Program Manager includes the following items:

5.a Action Items from February 19, 2014 Meeting

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. Proposed Budgets for FY14/15, FY15/16, and FY16/17, Phase 2 Participation, and Phase 2 Projects List

Please refer to the separate report for this item.

7. Program Development – Federal Advocacy Update

Ginger Bryant will provide an update for the TAC. Please refer to the attachment for this item. As an action item authorization to send the letter is requested.

8. Status of WaterSMART Grants and Applications

Participant will provide updates. Ginger Bryant will provide an update on the Phase 2 Feasibility Study Grant application and process.

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

Meeting Date: March 26, 2014

Task	Responsible Party	Due Date	Status	Completion Date
Member Agencies to notify everyone as soon as possible if they are participating in Phase 2 and changes to their project costs as soon as possible. The Program Manager will send revised budgets to everyone within 24 hours of receipt of changes to project costs.	TAC	Completed	No changes as of April 16, 2014	3/8/2013
Continue TAC consideration of three year budget to April 21, 2014 meeting	Weir	4/21/2014	Revised Three-Year Budget to be presented to TAC on April 21, 2014 with goal of approving a budget that can be presented to the Board on May 19, 2014.	
Consultants and SCWA review and revise scopes and costs for a three year budget that meets all USBR requirements for federal funding for implementation of projects.	Consultants and SCWA	4/16/2014	Completed.	4/16/2014
Submit application for 2014/15 WaterSMART Phase 2 Feasibility Study	B&C, Bryant, SCWA, TAC	5/6/2014	Funding Opportunity Announcement released March 21, 2014	
SOQ/RFP/Agreement Process	SCWA	5/19/2014	Agreements may be delayed one month pending TAC approval of budget on April 21, 2014 and subsequent approval by Board on May 19, 2014	
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

**ITEM NO. 6 PROPOSED BUDGETS FOR FY14/15, FY15/16, AND FY16/17, PHASE 2 PARTICIPATION, AND PHASE 2 PROJECTS LIST**

**Action Requested:** The following items will require action at this meeting in order to have a final three-year budget and consultant scopes and costs for the Board to consider at its May 20, 2014 meeting:

1. TAC agreement on cost sharing methodology for the three Fiscal Year Budget.
2. Review and approve revised consultant scopes and costs.
3. Review and approve for submittal to the Board the revised three-year Budget and cost allocations for FY14/15, FY15/16, and FY16/17.

At the March 26, 2014 meeting the TAC directed the consultants to revise scopes and costs for a three year budget that meets all federal requirements to be eligible for funding for implementation; and directed the Program Manager to show cost sharing by a) project cost, and b) equal shares as noted in the Memorandum of Understanding. Direction from the TAC was to develop a budget that was no greater than the October 2013 version and reduced costs from the February 2014 version by up to 30-35%.

To assist the TAC in its consideration of the budget and cost allocations, the following items are attached:

- a. PowerPoint Presentation - Phase 2 History and Three Year Budget History Presentation.
- b. NBWRA Budget and Consultant Cost Comparisons. These documents are in the same format as those that were distributed at the March 26, 2014 meeting.
- c. Three-Year Budget and Cost Allocations based on Phase 2 Project Costs for the Feasibility Study. This item includes the three-year budget by program, member agency costs by fiscal year, and Member Agency costs for the three year period.
- d. Member Agency costs for the three year period based on equal shares for Phase 2 for participating agencies.

The equal share basis reallocates costs in a manner that is not based on benefit and results in a significant increase in costs for some agencies and a significant reduction for others. In summary the costs for the three-year budget are allocated as follows:

- Phase 1 – uses the 25%/75% method from the Memorandum of Understanding
- Phase 2 – uses project cost basis in Item 6.c and equal share basis in Item 6.d.
- Joint Use – all costs are split equally between the member agencies.

In summary the proposed April 2014 Budget compares very favorably to the three previous budgets reviewed by the TAC:



April 2014	\$4,880,515
March 2014	\$5,564,535
February 2014	\$6,443,269
October 2013	\$5,049,306

As detailed in the PowerPoint presentation consultant costs have been reduced substantially, while providing a scope of work that meets all federal requirements to produce a product and list of projects that are eligible for federal funding through the U.S. Bureau of Reclamation.

### **Recommendation**

It is recommended that the TAC consider the following items for action:

1. TAC agreement on cost sharing methodology for the three Fiscal Year Budget.
2. Review and approve revised consultant scopes and costs.
3. Review and approve for submittal to the Board the revised three-year Budget and cost allocations for FY14/15, FY15/16, and FY16/17.

# Phase 2 History and Three Year Budget History Presentation

NBWRA TAC Meeting  
April 21, 2014



## Consultant Message to TAC

“We listened to you and did the best we could to develop a program that meets your needs yet still meets federal and state requirements to give you a product that can be implemented.”



# Today's Discussion Items

- 💧 Cost Management Activities
- 💧 History of the Phase 2 Process
- 💧 Project Budgets
- 💧 Impact of Costs Basis Approach



# Cost Management Activities



## Reduction of 27% in Engineering, Environmental, and Public Involvement Services

- Task 1.1 Workshops: Reduced workshops, public meetings, added Board/TAC meetings
- Task 1.2 Web Portal: Deleted portal development and component
- Task 1.3 Public Involvement: Reduction due to less public meetings and Workshops
- Task 1.4 Administration: Reduced monthly level of effort (LOE)
- Task 2.4.3 Alternatives Considered: Reduced number of alternative programs developed
- Task 2.4.4 Description of Proposed Program: Reduced LOE for defining the proposed program
- 2.4.6 Triple Bottom Line Analysis of Program<sup>1</sup>: Reduced data collection and number of alternatives evaluated
- Task 3 Environmental: Reduced estimated LOE with final scope after Program defined
- Task 5.1 Phase 1 Grant Application and Management: Reduce LOE per report
- Task 5.2 Phase 2 Grant Management: Reduced LOE by report, added grant applications<sup>1</sup>
- Task 6 Additional Services if Needed: Deleted Optional Task of Surveying and CADD

<sup>1</sup>Note Not in October Scope of work





# Engineering, Environmental & Public Involvement Team

Task		10/2013	2/2014	3/2104	4/2014
<b>Phase 2</b>					
1	Workshops/Public Outreach/Management	\$734,140	\$870,748	\$801,855	\$688,289
2	Title XVI Feasibility Study/Report	\$1,107,402	\$1,782,185	\$1,377,447	\$1,184,777
3	Environmental Evaluation	\$900,792	\$1,028,409	\$1,028,409	\$796,450
4	Financial Capabilities Determination	\$53,134	\$56,590	\$56,590	\$56,590
5	Grant Applications & Management	\$50,642	\$50,642	\$93,500	\$92,655
6	Additional Services if Needed	\$52,500	\$52,500	\$0	\$0
	<b>Total Phase 2</b>	<b>\$2,898,610</b>	<b>\$3,841,074</b>	<b>\$3,357,801</b>	<b>\$2,818,761</b>
<b>Phase 1</b>					
5	<b>Grant Applications &amp; Management</b>	<b>\$118,164</b>	<b>\$118,164</b>	<b>\$99,071</b>	<b>\$92,655</b>
<b>Total</b>		<b>\$3,016,774</b>	<b>\$3,959,238</b>	<b>\$3,456,872</b>	<b>\$2,911,416</b>

Prime: Brown and Caldwell

Subconsultants:

- ESA - Environmental
- Kennedy Jenks – Planning
- Data Instincts – Public Involvement
- STRATUS – Economic/Financial
- GTC - Geotechnical



## Reduction of 30% in Program Development, Federal and State Advocacy Services

Reduced to \$314,200 per year

💧 Bryant & Associates      \$190,200

Assumes \$174,000 + \$10,000/expenses + \$6,200(5%)/sub-consultant management fee

💧 The Ferguson Group      \$ 88,000

Assumes \$ 78,000 + \$5,000/expenses + \$5,000/NBWRA Washington DC expenses

💧 The Onate Group      \$ 36,000

Assumes \$ 36,000 with no expenses





# Program Development Team

Firm	Oct-13 & Feb-14		Mar-14		Apr-14	
	1-year	3-year	1-year	3-year	1-year	3-year
<b>Bryant &amp; Associates</b>	\$221,110	\$663,330	\$197,400	\$592,200	\$190,200	\$570,600
<b>The Ferguson Group</b>	\$157,900	\$473,700	\$106,000	\$318,000	\$88,000	\$264,000
<b>The Onate Group</b>	\$68,000	\$204,000	\$42,000	\$126,000	\$36,000	\$108,000
<b>Totals</b>	<b>\$447,010</b>	<b>\$1,341,030</b>	<b>\$345,400</b>	<b>\$1,036,200</b>	<b>\$314,200</b>	<b>\$942,600</b>

Phase	3-year
<b>Phase 1</b>	<b>\$307,440</b>
<b>Phase 2</b>	<b>\$527,160</b>
<b>Joint Use</b>	<b>\$108,000</b>



## Weir – Program Management

Task	10/2013	2/2014	3/2014	4/2014
Joint Use	\$244,000	\$244,000	\$221,500	\$221,500
<b>Total</b>	<b>\$244,000</b>	<b>\$244,000</b>	<b>\$221,500</b>	<b>\$221,500</b>

## Sonoma County Water Agency Management

Task	10/2013	2/2014	3/2014	4/2014
Phase 2 Administration: Grants and EIR/EIS	0	\$450,000	\$400,000	\$400,000
Joint Use	\$450,000	\$450,000	\$450,000	\$405,000
<b>Total</b>	<b>\$450,000</b>	<b>\$900,000</b>	<b>\$850,000</b>	<b>\$805,000</b>



# Summary of Cost Management Efforts

Consultant	Oct 2013	Feb 2014	Mar 2014	Apr 2014
Bryant & Associates	\$1,341,030	\$1,341,030	\$1,036,200	\$942,600
Brown & Caldwell	\$3,014,274	\$3,959,238	\$3,456,835	\$2,911,415
Weir	\$244,000	\$244,000	\$221,500	\$221,500
SCWA	\$450,000	\$900,000	\$850,000	\$805,000
<b>Total</b>	<b>\$5,049,304</b>	<b>\$6,444,268</b>	<b>\$5,564,535</b>	<b>\$4,925,515</b>

Consultant	Apr to Mar	Apr to Feb	Apr to Oct
Bryant & Associates	-9.0%	-29.7%	-29.7%
Brown & Caldwell	-15.8%	-26.5%	-3.4%
Weir	0.0%	-9.2%	-9.2%
SCWA	-5.3%	-10.6%	78.9%
<b>Total</b>	<b>-12.3%</b>	<b>-24.3%</b>	<b>-3.3%</b>



# History of the Phase 2 Process



## History of Phase 2 Process

- 💧 **November 2012** – Schedule for consultant selection and implementation of Phase 2 discussed by TAC
- 💧 **February 2013** – Schedule for RFQ/RFP process reviewed by TAC and approved by Board
- 💧 **April 2013** – RFQs issued for Engineering, Environmental, and Outreach Services and Program Management / Legislative Development Services
- 💧 **May 2013** – SOQs submitted by consultants; TAC reviewed SOQs and created two shortlists
  - Bryant & Associates selected for Program Development / Legislative Development Services



## History of Phase 2 Process

- 💧 **June 2013** – Proposals requested from Brown & Caldwell and RMC
- 💧 **July 2013** – TAC reviewed proposals, held interviews, selected B&C; Bryant & Associates, B&C, Weir requested to submit full scopes and costs for a three-year budget
- 💧 **August 2013** – Board approved selection of consultants and authorized development of agreements to be effective July 1, 2014
- 💧 **March 2013** – TAC meeting provided additional direction to consultants for cost reductions; B&C discussed needs with each agency





# History of the Budget



# History of Three-Year Budget

## 💧 **October 2013** – First Three-Year Budget submitted to TAC

- \$5,049,306
- \$120,000,000 estimated Project cost
- No Triple Bottom Line Analysis
- No SCWA cost for Feasibility Study Admin Services

## 💧 **February 2014** – Revised Three-Year Budget submitted to TAC

- \$6,444,268
- \$206,700,000 Project cost
- \$743,573 Triple Bottom Line Cost
- \$450,000 SCWA cost for Feasibility Study Admin Services





# History of Three-Year Budget

- **March 2014** – Email request from TAC for consultants to reduce costs by up to 35%; Revised Budget Submitted
  - \$5,564,535
  - \$137,930,000 Project cost
  - \$421,780 Triple Bottom Line Cost
  - \$400,000 SCWA cost for Feasibility Study Admin Services
- **April 2013** – Revised Three-Year Budget submitted to TAC
  - \$4,880,515
    - \$1,514,301 for FY2014/15
    - \$1,642,971 for FY2015/16
    - \$1,768,242 for FY2016/17
    - Potential Federal funding of \$1,609,381
    - \$137,930,000 Project cost
  - \$218,780 Triple Bottom Line Cost
  - \$400,000 SCWA cost for Feasibility Study Admin Services
  - Overall Budget is 24.3% less than February 2013 Budget



## History of Program Project Costs

The projects to be studied and the reconnaissance level costs of the program components have evolved over time and impacted the projected level of efforts and study costs.

Date	Projected Program Costs
Oct-13	\$120,000,000
Nov-13	\$200,700,000
Dec-13	\$298,400,000
Jan-14	\$206,700,000
Feb-14	\$137,930,000
Mar-14	\$137,930,000
Apr-14	\$137,930,000



# Project Budgets



# Overall Three-Year Budget Comparison

Cost Center	Oct 2013	Feb 2014	Mar 2014	Apr 2014
Phase 1	\$525,607	\$525,607	\$428,547	\$400,095
Phase 2 Support	\$729,588	\$728,588	\$577,920	\$527,160
Phase 2 FS	\$2,896,111	\$4,291,074	\$3,760,568	\$3,218,760
Joint Use	\$898,000	\$898,000	\$797,500	\$734,500
<b>Total</b>	<b>\$5,049,306</b>	<b>\$6,443,269</b>	<b>\$5,564,535</b>	<b>\$4,880,515</b>
Associated Project Costs	\$120,000,000	\$206,700,000	\$137,930,000	\$137,930,000

Cost Center	Apr to Mar	Apr to Feb	Apr to Oct
Phase 1	-6.6%	-23.9%	-23.9%
Phase 2 Support	-8.8%	-27.6%	-27.7%
Phase 2 FS	-14.4%	-25.0%	11.1%
Joint Use	-7.9%	-18.2%	-18.2%
<b>Total</b>	<b>-12.3%</b>	<b>-24.3%</b>	<b>-3.3%</b>
Associated Project Costs	0.0%	-33.3%	14.9%

**-2.3% if SCWA Admin costs are included.**

**-9.6% if SCWA Admin costs are included.**



## Feasibility Study Costs and Percent Changes

Cost Center	Oct 2013	Feb 2014	Mar 2014	Apr 2014
Eng., Env., & Outreach	\$2,896,111	\$3,841,074	\$3,360,568	\$2,818,760
SCWA Admin	\$0	\$450,000	\$400,000	\$400,000
Triple Bottom Line Component of Engineering	\$0	\$743,573	\$421,780	\$218,780
<b>Total</b>	<b>\$2,896,111</b>	<b>\$4,291,074</b>	<b>\$3,760,568</b>	<b>\$3,218,760</b>

Cost Center	Apr to Mar	Apr to Feb	Apr to Oct
Eng., Env., Outreach	-16.1%	-26.6%	-2.7%
SCWA Admin	0.0%	-11.1%	NA
Triple Bottom Line Component of Engineering	-48.1%	-70.6%	NA
<b>Total</b>	<b>-14.4%</b>	<b>-25.0%</b>	<b>11.1%</b> <b>(See Note)</b>

Note: There is a potential Federal cost sharing for the Feasibility Study of \$1,609,381.

Note: IF SCWA Admin costs are included in October Budget the Percent Change from April to October is -2.3%

# Program Development and Advocacy Costs

Cost Center	Oct 2013	Feb 2014	Mar 2014	Apr 2014
Bryant	\$663,330	\$663,330	\$592,200	\$570,600
TFG	\$473,700	\$473,700	\$318,000	\$264,000
Odate	\$204,000	\$204,000	\$126,000	\$108,000
<b>Total</b>	<b>\$1,341,030</b>	<b>\$1,341,030</b>	<b>\$1,036,200</b>	<b>\$942,600</b>

Cost Center	Apr to Mar	Apr to Feb	Apr to Oct
Bryant	-3.6%	-14.0%	-14.0%
TFG	-17.0%	-44.3%	-44.3%
Odate	-14.3%	-47.1%	-47.1%
<b>Total</b>	<b>-9.0%</b>	<b>-29.7%</b>	<b>-29.7%</b>





# Impact of Cost Basis Approach



# Member Agency 3-Yr Costs – Project Basis

	<b>LGUSD</b>	<b>Napa San</b>	<b>Novato San</b>	<b>SVCSD</b>	<b>SCWA</b>	<b>NMWD</b>	<b>Napa County</b>	<b>Petaluma</b>	<b>MMWD</b>
Phase 1 Support	\$28,962	\$127,608	\$34,453	\$109,917	\$14,289	\$70,577	\$14,289	\$0	\$0
Phase 2 Support	\$0	\$179,134	\$135,832	\$19,912	\$55,418	\$0	\$0	\$118,786	\$18,078
Phase 2 Feasibility Study	\$0	\$1,093,767	\$829,368	\$121,582	\$338,375	\$0	\$0	\$725,289	\$110,380
Joint Use	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611
Total	\$110,573	\$1,482,121	\$1,081,264	\$333,022	\$489,693	\$152,188	\$95,900	\$925,686	\$210,069
<b>Average Cost per Year</b>	<b>\$36,858</b>	<b>\$494,040</b>	<b>\$360,421</b>	<b>\$111,007</b>	<b>\$163,231</b>	<b>\$50,729</b>	<b>\$31,967</b>	<b>\$308,562</b>	<b>\$70,023</b>
Project Cost	\$0	\$46,870,000	\$35,540,000	\$5,210,000	\$14,500,000	\$0	\$0	\$31,080,000	\$4,730,000





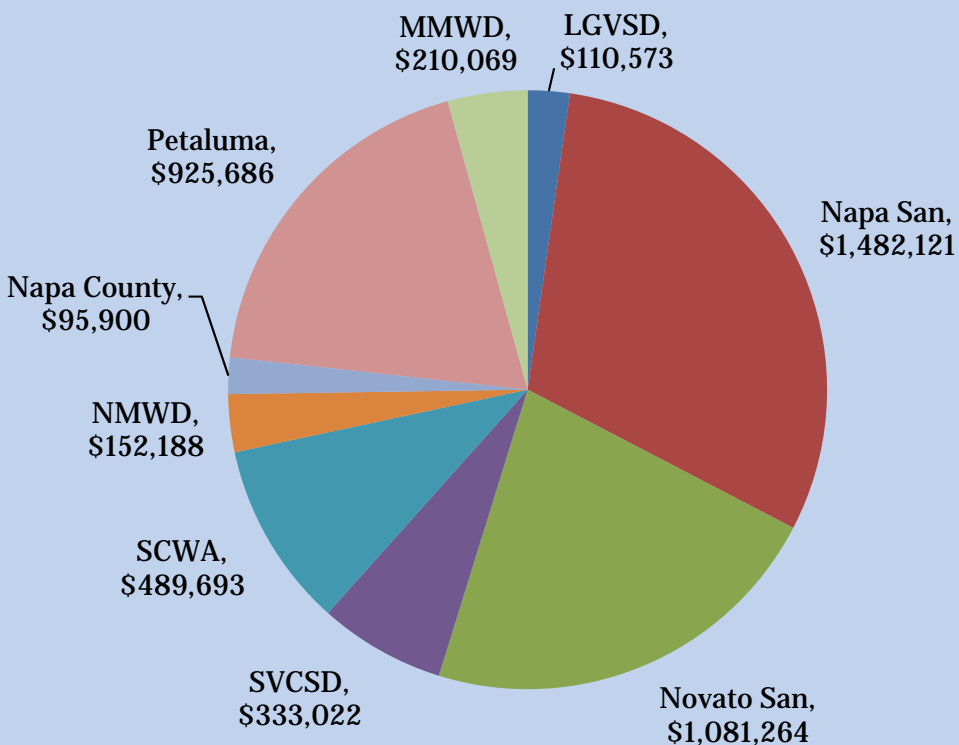
## Member Agency 3-Yr Costs – Phase 2 Equal Shares

	LGVSD	Napa San	Novato San	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD
Phase 1 Support	\$28,962	\$127,608	\$34,453	\$109,917	\$14,289	\$70,577	\$14,289	\$0	\$0
Phase 2 Support	\$0	\$87,860	\$87,860	\$87,860	\$87,860	\$0	\$0	\$87,860	\$87,860
Phase 2 Feasibility Study	\$0	\$536,460	\$536,460	\$536,460	\$536,460	\$0	\$0	\$536,460	\$536,460
Joint Use	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611	\$81,611
Total	\$110,573	\$833,539	\$740,384	\$815,849	\$720,220	\$152,188	\$95,900	\$705,931	\$705,931
<b>Average Cost per Year</b>	<b>\$36,858</b>	<b>\$277,846</b>	<b>\$246,795</b>	<b>\$271,950</b>	<b>\$240,073</b>	<b>\$50,729</b>	<b>\$31,967</b>	<b>\$235,310</b>	<b>\$235,310</b>
Project Cost	\$0	\$46,870,000	\$35,540,000	\$5,210,000	\$14,500,000	\$0	\$0	\$31,080,000	\$4,730,000
Change in Cost	\$0	(\$648,582)	(\$340,880)	\$482,826	\$230,527	\$0	\$0	(\$219,755)	\$495,862

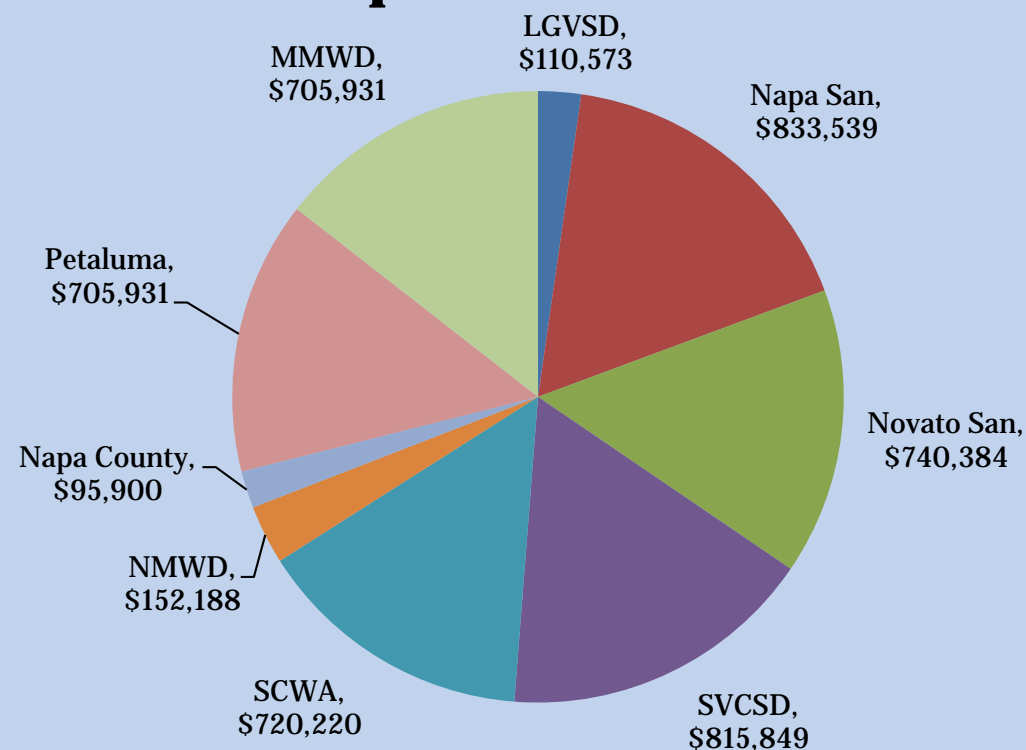


# Impact of Basis on Member Agency 3-Yr Costs

## Project Costs Basis



## Equal Cost Basis



# Closing

- 💧 Questions?
- 💧 Actions?

## NBWRA Budget Comparison - (See Note No. 1)

4/16/2014

	Total Budget October 2013 (See Note No. 2)	Total Budget February 2014 (See Note No. 3)	Percent Change Feb to Oct	Total Budget March 2013 (See Note No. 4)	Percent Change Mar to Feb	Total Budget April 2013 (See Note No. 5)	Percent Change Apr to Mar	Percent Change Apr to Feb	Percent Change Apr to Oct
<b>Phase 1</b>									
Grant Applications and Management - B&C	\$118,165	\$118,164	0.0%	\$96,267	-18.5%	\$92,655	-3.8%	-21.6%	-21.6%
Program Development (40% of total) - Bryant	\$265,332	\$265,332	0.0%	\$236,880	-10.7%	\$228,240	-3.6%	-14.0%	-14.0%
Federal Advocacy (30% of total) - TFG sub to Bryant	\$142,110	\$142,110	0.0%	\$95,400	-32.9%	\$79,200	-17.0%	-44.3%	-44.3%
<b>Total</b>	<b>\$525,607</b>	<b>\$525,606</b>	<b>0.0%</b>	<b>\$428,547</b>	<b>-18.5%</b>	<b>\$400,095</b>	<b>-6.6%</b>	<b>-23.9%</b>	<b>-23.9%</b>
<b>Phase 2 Support</b>									
Program Development (60% of total) - Bryant	\$397,998	\$397,998	0.0%	\$355,320	-10.7%	\$342,360	-3.6%	-14.0%	-14.0%
Federal Advocacy (70% of total) - TFG sub to Bryant	\$331,590	\$331,590	0.0%	\$222,600	-32.9%	\$184,800	-17.0%	-44.3%	-44.3%
<b>Total</b>	<b>\$729,588</b>	<b>\$729,588</b>	<b>0.0%</b>	<b>\$577,920</b>	<b>-20.8%</b>	<b>\$527,160</b>	<b>-8.8%</b>	<b>-27.7%</b>	<b>-27.7%</b>
<b>Phase 2 Feasibility Study</b>									
Engineering, Environmental, and Outreach Services - B&C	\$2,896,111	\$3,841,074	32.6%	\$3,360,568	-12.5%	\$2,818,760	-16.1%	-26.6%	-2.7%
SCWA Administration - Grants and EIR/EIS		\$450,000		\$400,000	-11.1%	\$400,000	0.0%	-11.1%	
<b>Total</b>	<b>\$2,896,111</b>	<b>\$4,291,074</b>	<b>48.2%</b>	<b>\$3,760,568</b>	<b>-12.4%</b>	<b>\$3,218,760</b>	<b>-14.4%</b>	<b>-25.0%</b>	<b>11.1%</b>
<b>Joint Use</b>									
Program Management - Weir	\$244,000	\$244,000	0.0%	\$221,500	-9.2%	\$221,500	0.0%	-9.2%	-9.2%
State Advocacy - The Onate Group (Sub to Bryant)	\$204,000	\$204,000	0.0%	\$126,000	-38.2%	\$108,000	-14.3%	-47.1%	-47.1%
SCWA Administration	\$450,000	\$450,000	0.0%	\$450,000	0.0%	\$405,000	-10.0%	-10.0%	-10.0%
<b>Total</b>	<b>\$898,000</b>	<b>\$898,000</b>	<b>0.0%</b>	<b>\$797,500</b>	<b>-11.2%</b>	<b>\$734,500</b>	<b>-7.9%</b>	<b>-18.2%</b>	<b>-18.2%</b>
<b>Total Budget</b>	<b>\$5,049,306</b>	<b>\$6,444,268</b>	<b>27.6%</b>	<b>\$5,564,535</b>	<b>-13.7%</b>	<b>\$4,880,515</b>	<b>-12.3%</b>	<b>-24.3%</b>	<b>-3.3%</b>
<b>Total Value of Phase 2 Projects</b>	<b>\$120,000,000</b>	<b>\$206,700,000</b>	<b>72.3%</b>	<b>\$137,930,000</b>	<b>-33.3%</b>	<b>\$137,930,000</b>	<b>0.0%</b>	<b>-33.3%</b>	<b>14.9%</b>
<b>Phase 2 Feasibility Study Cost per Million Dollars</b>	<b>\$24,134</b>	<b>\$20,760</b>	<b>-14.0%</b>	<b>\$27,264</b>	<b>31.3%</b>	<b>\$23,336</b>	<b>-14.4%</b>	<b>12.4%</b>	<b>-3.3%</b>

## Notes:

1. All based on 3-year budget meeting all federal requirements to implement projects.
2. October 2013 Budget based on \$120M in projects, no TBL, no SCWA Phase 2 Admin.
3. February 2014 Budget based on \$206.7M in projects and included TBL and \$450k in SCWA Phase 2 Admin.
4. March 2014 Budget based on \$137.93M in projects, TBL, SCWA Phase 2 Admin costs, and reduced consultant costs based on TAC email request.
5. April 2014 Budget based on \$137.93M in projects, reduced level of TBL, SCWA Phase 2 Admin costs, and reduced consultant and SCWA costs based on needs analysis with member agencies and USBR.

**NBWRA Consultant Cost Comparison -  
(See Note No. 1)**

4/16/2014

<b>Consultant</b>	<b>Total Budget October 2013 (See Note No. 2)</b>	<b>Total Budget February 2014 (See Note No. 3)</b>	<b>Percent Change Feb to Oct</b>	<b>Total Budget March 2013 (See Note No. 4)</b>	<b>Percent Change Mar to Feb</b>	<b>Total Budget April 2013 (See Note No. 5)</b>	<b>Percent Change Apr to Mar</b>	<b>Percent Change Apr to Feb</b>	<b>Percent Change Apr to Oct</b>
Bryant	\$663,330	\$663,330	0.0%	\$592,200	-10.7%	\$570,600	-3.6%	-14.0%	-14.0%
TFG	\$473,700	\$473,700	0.0%	\$318,000	-32.9%	\$264,000	-17.0%	-44.3%	-44.3%
Brown & Caldwell	\$3,014,274	\$3,959,238	31.3%	\$3,456,835	-16.7%	\$2,911,415	-15.8%	-26.5%	-3.4%
Ocate	\$204,000	\$204,000	0.0%	\$126,000	-38.2%	\$108,000	-14.3%	-47.1%	-47.1%
SCWA	\$450,000	\$900,000	100.0%	\$850,000	-11.1%	\$805,000	-5.3%	-10.6%	78.9%
Weir	\$244,000	\$244,000	0.0%	\$221,500	-9.2%	\$221,500	0.0%	-9.2%	-9.2%
<b>Total</b>	<b>\$5,049,304</b>	<b>\$6,444,268</b>	27.6%	<b>\$5,564,535</b>	-17.4%	<b>\$4,880,515</b>	-12.3%	-24.3%	-3.3%

**Notes:**

1. All based on 3-year budget meeting all federal requirements to implement projects.
2. October 2013 Budget based on \$120M in projects, no TBL, no SCWA Phase 2 Admin.
3. February 2014 Budget based on \$206.7M in projects and included TBL and \$450k in SCWA Phase 2 Admin.
4. March 2014 Budget based on \$137.93M in projects, TBL, SCWA Phase 2 Admin costs, and reduced consultant costs based on TAC email request.
5. April 2014 Budget based on \$137.93M in projects, reduced level of TBL, SCWA Phase 2 Admin costs, and reduced consultant costs based on needs analysis with member agencies and USBR.

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

April 16, 2014

	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 - B&C	60,000	39,430	39,430	13,795	92,655
Program Development (40% of \$190,200 total) - Bryant	-	76,080	76,080	76,080	228,240
Federal Advocacy (30% of \$88,000 total) - TFG sub to Bryant	-	26,400	26,400	26,400	79,200
Contingency	5,000	-	-	-	-
<b>Total Costs for Phase 1 Support</b>	<b>65,000</b>	<b>141,910</b>	<b>141,910</b>	<b>116,275</b>	<b>400,095</b>

Phase 2 Support	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$190,200 total) - Bryant	-	114,120	114,120	114,120	342,360
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	18,000	61,600	61,600	61,600	184,800
Feasibility Study Grant Application Preparation - B&C	40,000	-	-	-	-
Contingency	5,000	-	-	-	-
<b>Total Costs for Phase 2 Support</b>	<b>63,000</b>	<b>175,720</b>	<b>175,720</b>	<b>175,720</b>	<b>527,160</b>

Phase 2 Feasibility Study - Three Years	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Engineering, Environmental, and Outreach Services - B&C	166,080	823,335	931,636	1,063,789	2,818,760
SCWA Administration - Grants and EIR/EIS	-	116,836	132,205	150,958	400,000
Contingency	-	-	-	-	-
<b>Total Costs for Study</b>	<b>166,080</b>	<b>940,171</b>	<b>1,063,841</b>	<b>1,214,747</b>	<b>3,218,760</b>

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

<b>Total Costs for Phase 2</b>	<b>271,355</b>	<b>1,115,891</b>	<b>1,239,561</b>	<b>1,390,467</b>	<b>3,745,920</b>
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Joint Use	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Management - Weir	78,000	70,500	75,500	75,500	221,500
Program Development and Federal Funding - Bryant & Associates	178,000	-	-	-	-
Federal Authorizations and Appropriations - The Ferguson Group	65,000	-	-	-	-
Planning, Engineering and Funding Management - CDM Smith	10,000	-	-	-	-
State Advocacy - The Onate Group (Sub to Bryant)	30,000	36,000	36,000	36,000	108,000
Outreach and Community Support - Data Instincts	50,000	-	-	-	-
SCWA Administration	150,000	135,000	135,000	135,000	405,000
Contingency	25,000	-	-	-	-
<b>Total Costs for Joint Use</b>	<b>586,000</b>	<b>241,500</b>	<b>246,500</b>	<b>246,500</b>	<b>734,500</b>

Total Costs	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	78,000	70,500	75,500	75,500	221,500
Bryant & Associates	199,180	314,200	314,200	314,200	942,600
The Ferguson Group	83,000	-	-	-	-
CDM Smith	158,710	-	-	-	-
Brown & Caldwell	83,890	862,765	971,066	1,077,584	2,911,415
ESA	10,000	-	-	-	-
The Onate Group	30,000	-	-	-	-
Data Instincts	50,000	-	-	-	-
SCWA Administration	194,575	251,836	267,205	285,958	805,000
Contingency	35,000	-	-	-	-
<b>Total Costs for NBWRA</b>	<b>922,355</b>	<b>1,499,301</b>	<b>1,627,971</b>	<b>1,753,242</b>	<b>4,880,515</b>

Potential 50% Federal cost share for Feasibility Study

\$470,086

\$531,921

\$607,374

\$1,609,380

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

**Member Agency Cost Allocations**

April 16, 2014

**Based on Phase 2 Project Costs**

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWA 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	
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Applications and Management - B&C	39,430	39,430	2,854	12,576	3,395	10,833	1,408	6,955	1,408	
Program Development (40% of \$221,110 total) - Bryant	76,080	76,080	5,507	24,265	6,551	20,901	2,717	13,420	2,717	
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	26,400	26,400	1,911	8,420	2,273	7,253	943	4,657	943	
<b>Total</b>	<b>\$141,910</b>	<b>\$141,910</b>	<b>\$10,273</b>	<b>\$45,261</b>	<b>\$12,220</b>	<b>\$38,987</b>	<b>\$5,068</b>	<b>\$25,033</b>	<b>\$5,068</b>	

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Support</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	38,779	29,405	4,311	11,997	-	-	25,715	3,913
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	61,600	61,600	-	20,932	15,872	2,327	6,476	-	-	13,880	2,112
<b>Total</b>	<b>\$175,720</b>	<b>\$175,720</b>	<b>\$0</b>	<b>\$59,711</b>	<b>\$45,277</b>	<b>\$6,637</b>	<b>\$18,473</b>	<b>\$0</b>	<b>\$0</b>	<b>\$39,595</b>	<b>\$6,026</b>

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Engineering, Environmental, and Outreach Services - B&C	823,335	823,335	-	279,778	212,146	31,100	86,554	-	-	185,523	28,234
SCWA Administration - Grants and EIR/EIS	116,836	116,836	-	39,702	30,105	4,413	12,283	-	-	26,327	4,007
<b>Total</b>	<b>\$940,171</b>	<b>\$940,171</b>	<b>\$0</b>	<b>\$319,480</b>	<b>\$242,251</b>	<b>\$35,513</b>	<b>\$98,836</b>	<b>\$0</b>	<b>\$0</b>	<b>\$211,851</b>	<b>\$32,241</b>

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWA 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
<i>Percent for Joint Use</i>			11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%
Program Management - Weir	70,500	70,500	7,833	7,833	7,833	7,833	7,833	7,833	7,833	7,833	7,833
State Advocacy - The Ostate Group (Sub to Bryant)	36,000	36,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
SCWA Administration	135,000	135,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>Total</b>	<b>\$241,500</b>	<b>\$241,500</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>	<b>\$26,833</b>

Total Cost per Agency for FY 2014/15											
Total Budget	NBWA 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	
<b>\$1,499,301</b>	<b>\$1,499,301</b>	<b>\$37,106</b>	<b>\$451,286</b>	<b>\$326,582</b>	<b>\$107,970</b>	<b>\$149,211</b>	<b>\$51,866</b>	<b>\$31,902</b>	<b>\$278,279</b>	<b>\$65,100</b>	
	\$470,086	\$0	\$159,740	\$121,126	\$17,756	\$49,418	\$0	\$0	\$105,925	\$16,121	

FY14/15 Proposed  
Potential 50% Federal cost share for Feasibility Study

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

**Member Agency Cost Allocations**

April 16, 2014

**Based on Phase 2 Project Costs**

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWR 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	
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Applications and Management - B&C	39,430	39,430	2,854	12,576	3,395	10,833	1,408	6,955	1,408	
Program Development (40% of \$221,110 total) - Bryant	76,080	76,080	5,507	24,265	6,551	20,901	2,717	13,420	2,717	
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	26,400	26,400	1,911	8,420	2,273	7,253	943	4,657	943	
<b>Total</b>	<b>\$141,910</b>	<b>\$141,910</b>	<b>\$10,273</b>	<b>\$45,261</b>	<b>\$12,220</b>	<b>\$38,987</b>	<b>\$5,068</b>	<b>\$25,033</b>	<b>\$5,068</b>	

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWR 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
<i>Percent for Phase 2 Support</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	38,779	29,405	4,311	11,997	-	-	25,715	3,913
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	61,600	61,600	-	20,932	15,872	2,327	6,476	-	-	13,880	2,112
<b>Total</b>	<b>\$175,720</b>	<b>\$175,720</b>	<b>\$0</b>	<b>\$59,711</b>	<b>\$45,277</b>	<b>\$6,637</b>	<b>\$18,473</b>	<b>\$0</b>	<b>\$0</b>	<b>\$39,595</b>	<b>\$6,026</b>

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWR 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
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Engineering, Environmental, and Outreach Services - B&C	931,636	931,636	-	316,579	240,052	35,190	97,939	-	-	209,927	31,948
SCWA Administration - Grants and EIR/EIS	132,205	132,205	-	44,925	34,065	4,994	13,898	-	-	29,790	4,534
<b>Total</b>	<b>\$1,063,841</b>	<b>\$1,063,841</b>	<b>\$0</b>	<b>\$361,504</b>	<b>\$274,117</b>	<b>\$40,184</b>	<b>\$111,837</b>	<b>\$0</b>	<b>\$0</b>	<b>\$239,717</b>	<b>\$36,482</b>

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWR 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
<i>Percent for Joint Use</i>			11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%
Program Management - Weir	75,500	75,500	8,389	8,389	8,389	8,389	8,389	8,389	8,389	8,389	8,389
State Advocacy - The Ostate Group (Sub to Bryant)	36,000	36,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
SCWA Administration	135,000	135,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>Total</b>	<b>\$246,500</b>	<b>\$246,500</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>

Total Cost per Agency for FY 2015/16											
Total Budget	NBWR 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	
<b>\$1,627,971</b>	<b>\$1,627,971</b>	<b>\$37,662</b>	<b>\$493,866</b>	<b>\$359,003</b>	<b>\$113,197</b>	<b>\$162,767</b>	<b>\$52,422</b>	<b>\$32,457</b>	<b>\$306,702</b>	<b>\$69,897</b>	
	\$531,921	\$0	\$180,752	\$137,058	\$20,092	\$55,919	\$0	\$0	\$119,859	\$18,241	

FY15/16 Proposed  
Potential 50% Federal cost share for Feasibility Study



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

**Member Agency Cost Allocations**

April 16, 2014

**Based on Phase 2 Project Costs**

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWA 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
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%
Grant Applications and Management - B&C	13,795	13,795	999	4,400	1,188	3,790	493	2,433	493
Program Development (40% of \$221,110 total) - Bryant	76,080	76,080	5,507	24,265	6,551	20,901	2,717	13,420	2,717
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	26,400	26,400	1,911	8,420	2,273	7,253	943	4,657	943
<b>Total</b>	<b>\$116,275</b>	<b>\$116,275</b>	<b>\$8,417</b>	<b>\$37,085</b>	<b>\$10,013</b>	<b>\$31,944</b>	<b>\$4,153</b>	<b>\$20,511</b>	<b>\$4,153</b>

100.000%

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Support</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	38,779	29,405	4,311	11,997	-	-	25,715	3,913
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	61,600	61,600	-	20,932	15,872	2,327	6,476	-	-	13,880	2,112
<b>Total</b>	<b>\$175,720</b>	<b>\$175,720</b>	<b>\$0</b>	<b>\$59,711</b>	<b>\$45,277</b>	<b>\$6,637</b>	<b>\$18,473</b>	<b>\$0</b>	<b>\$0</b>	<b>\$39,595</b>	<b>\$6,026</b>

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Engineering, Environmental, and Outreach Services - B&C	1,063,789	1,063,789	-	361,486	274,103	40,182	111,832	-	-	239,705	36,480
SCWA Administration - Grants and EIR/EIS	150,958	150,958	-	51,297	38,897	5,702	15,870	-	-	34,016	5,177
<b>Total</b>	<b>\$1,214,747</b>	<b>\$1,214,747</b>	<b>\$0</b>	<b>\$412,784</b>	<b>\$313,001</b>	<b>\$45,884</b>	<b>\$127,701</b>	<b>\$0</b>	<b>\$0</b>	<b>\$273,721</b>	<b>\$41,657</b>

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWA 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
<i>Percent for Joint Use</i>			11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%
Program Management - Weir	75,500	75,500	8,389	8,389	8,389	8,389	8,389	8,389	8,389	8,389	8,389
State Advocacy - The Ostate Group (Sub to Bryant)	36,000	36,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
SCWA Administration	135,000	135,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
<b>Total</b>	<b>\$246,500</b>	<b>\$246,500</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>	<b>\$27,389</b>

Total Cost per Agency for FY 2016/17											
	Total Budget	NBWA 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
<b>FY16/17 Proposed</b>	<b>\$1,753,242</b>	<b>\$1,753,242</b>	<b>\$35,806</b>	<b>\$536,969</b>	<b>\$395,679</b>	<b>\$111,855</b>	<b>\$177,716</b>	<b>\$47,900</b>	<b>\$31,542</b>	<b>\$340,705</b>	<b>\$75,072</b>
<b>Potential 50% Federal cost share for Feasibility Study</b>		<b>\$607,374</b>	<b>\$0</b>	<b>\$206,392</b>	<b>\$156,500</b>	<b>\$22,942</b>	<b>\$63,851</b>	<b>\$0</b>	<b>\$0</b>	<b>\$136,861</b>	<b>\$20,829</b>

**North Bay Water Reuse Authority**  
**Proposed Agency Cost Allocations**  
**Three Fiscal Year 2014/15, 2015/16, and 2016/17**  
**Based on Phase 2 Project Costs**

**Member Agency Cost Allocations**  
 April 16, 2014

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWA 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
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%
Grant Applications and Management - B&C	92,655	92,655	6,707	29,552	7,979	25,455	3,309	16,344	3,309
Program Development (40% of \$221,110 total) - Bryant	228,240	228,240	16,522	72,796	19,654	62,704	8,151	40,261	8,151
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	79,200	79,200	5,733	25,260	6,820	21,758	2,829	13,971	2,829
<b>Total</b>	<b>\$400,095</b>	<b>\$400,095</b>	<b>\$28,962</b>	<b>\$127,608</b>	<b>\$34,453</b>	<b>\$109,917</b>	<b>\$14,289</b>	<b>\$70,577</b>	<b>\$14,289</b>

100.000%

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Support</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Program Development (60% of \$221,110 total) - Bryant	342,360	342,360	-	116,337	88,215	12,932	35,991	-	-	77,145	11,740
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	184,800	184,800	-	62,797	47,617	6,980	19,427	-	-	41,641	6,337
<b>Total</b>	<b>\$527,160</b>	<b>\$527,160</b>	<b>\$0</b>	<b>\$179,134</b>	<b>\$135,832</b>	<b>\$19,912</b>	<b>\$55,418</b>	<b>\$0</b>	<b>\$0</b>	<b>\$118,786</b>	<b>\$18,078</b>

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	33.981%	25.767%	3.777%	10.513%	0.000%	0.000%	22.533%	3.429%
Engineering, Environmental, and Outreach Services - B&C	2,818,760	2,818,760	-	957,843	726,301	106,472	296,324	-	-	635,156	96,663
SCWA Administration - Grants and EIR/EIS	400,000	400,000	-	135,924	103,067	15,109	42,050	-	-	90,133	13,717
<b>Total</b>	<b>\$3,218,760</b>	<b>\$3,218,760</b>	<b>\$0</b>	<b>\$1,093,767</b>	<b>\$829,368</b>	<b>\$121,582</b>	<b>\$338,375</b>	<b>\$0</b>	<b>\$0</b>	<b>\$725,289</b>	<b>\$110,380</b>

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWA 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
<i>Percent for Joint Use</i>			11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%
Program Management - Weir	221,500	221,500	24,611	24,611	24,611	24,611	24,611	24,611	24,611	24,611	24,611
State Advocacy - The Onate Group (Sub to Bryant)	108,000	108,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
SCWA Administration	405,000	405,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000
<b>Total</b>	<b>\$734,500</b>	<b>\$734,500</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>

Total Cost per Agency for FY2014/15, FY2015/16, and FY2016/17											
	Total Budget	NBWA 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
Three FY Proposed	\$4,880,515	\$4,880,515	\$110,573	\$1,482,121	\$1,081,264	\$333,022	\$489,693	\$152,188	\$95,900	\$925,686	\$210,069
Potential 50% Federal cost share for Feasibility Study		\$1,609,380	\$0	\$546,884	\$414,684	\$60,791	\$169,187	\$0	\$0	\$362,644	\$55,190

North Bay Water Reuse Authority  
Proposed Agency Cost Allocations

Member Agency Cost Allocations

April 16, 2014

Three Fiscal Year 2014/15, 2015/16, and 2016/17

Based on Equal Shares for Phase 2 Participating Agencies

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWA 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
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%
Grant Applications and Management - B&C	92,655	92,655	6,707	29,552	7,979	25,455	3,309	16,344	3,309
Program Development (40% of \$221,110 total) - Bryant	228,240	228,240	16,522	72,796	19,654	62,704	8,151	40,261	8,151
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	79,200	79,200	5,733	25,260	6,820	21,758	2,829	13,971	2,829
<b>Total</b>	<b>\$400,095</b>	<b>\$400,095</b>	<b>\$28,962</b>	<b>\$127,608</b>	<b>\$34,453</b>	<b>\$109,917</b>	<b>\$14,289</b>	<b>\$70,577</b>	<b>\$14,289</b>

100.000%

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Support</i>			0.000%	16.667%	16.667%	16.667%	16.667%	0.000%	0.000%	16.667%	16.667%
Program Development (60% of \$221,110 total) - Bryant	342,360	342,360	-	57,060	57,060	57,060	57,060	-	-	57,060	57,060
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	184,800	184,800	-	30,800	30,800	30,800	30,800	-	-	30,800	30,800
<b>Total</b>	<b>\$527,160</b>	<b>\$527,160</b>	<b>\$0</b>	<b>\$87,860</b>	<b>\$87,860</b>	<b>\$87,860</b>	<b>\$87,860</b>	<b>\$0</b>	<b>\$0</b>	<b>\$87,860</b>	<b>\$87,860</b>

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWA 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
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	16.667%	16.667%	16.667%	16.667%	0.000%	0.000%	16.667%	16.667%
Engineering, Environmental, and Outreach Services - B&C	2,818,760	2,818,760	-	469,793	469,793	469,793	469,793	-	-	469,793	469,793
SCWA Administration - Grants and EIR/EIS	400,000	400,000	-	66,667	66,667	66,667	66,667	-	-	66,667	66,667
<b>Total</b>	<b>\$3,218,760</b>	<b>\$3,218,760</b>	<b>\$0</b>	<b>\$536,460</b>	<b>\$536,460</b>	<b>\$536,460</b>	<b>\$536,460</b>	<b>\$0</b>	<b>\$0</b>	<b>\$536,460</b>	<b>\$536,460</b>

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWA 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
<i>Percent for Joint Use</i>			11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%	11.111%
Program Management - Weir	221,500	221,500	24,611	24,611	24,611	24,611	24,611	24,611	24,611	24,611	24,611
State Advocacy - The Ostate Group (Sub to Bryant)	108,000	108,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
SCWA Administration	405,000	405,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000
<b>Total</b>	<b>\$734,500</b>	<b>\$734,500</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>	<b>\$81,611</b>

Total Cost per Agency for FY2014/15, FY2015/16, and FY2016/17											
Total Budget	NBWA 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	
<b>\$4,880,515</b>	<b>\$4,880,515</b>	<b>\$110,573</b>	<b>\$833,539</b>	<b>\$740,384</b>	<b>\$815,849</b>	<b>\$720,220</b>	<b>\$152,188</b>	<b>\$95,900</b>	<b>\$705,931</b>	<b>\$705,931</b>	
	\$1,609,380	\$0	\$268,230	\$268,230	\$268,230	\$268,230	\$0	\$0	\$268,230	\$268,230	

Three FY Proposed  
Potential 50% Federal cost share for Feasibility Study

April 21, 2014

Ms. Kerrie Romanow, Director  
City of San Jose  
Environmental Services Department  
Water Resources Division  
3025 Tuers Rd, San Jose, CA 95121

Re: Partnering with the North Bay Water Reuse Program to Increase Funding Opportunities for US Bureau of Reclamation Title XVI and Regional-scale Reuse Projects

Dear Kerrie,

I wanted to express our sincere appreciation for San Jose's contribution and participation during our trip to Washington DC in 2012. Our work together contributed significantly toward increased funding for the Title XVI budget by \$10 million and to having funding specifically directed toward regional-scale projects in both planning and construction grant programs.

I want to specifically acknowledge Eric Hansen's participation, experience and knowledge of recycled water, as he represented your program in discussions with Congressional offices, follow up letters to Commissioner Connor and representatives in support of increased funding for regional-scale projects. Together, our agencies represent the largest regional-scaled water reuse programs in northern California and our collaboration makes a powerful statement.

We are inviting other regional-scale water reuse programs in the west to join us in supporting our current legislative proposal – RIFIA – that proposes to increase funding in two areas critical to regional-scale reuse programs: grant funding opportunities for storage projects that lead to long-term water supply reliability and, low-interest long-term loans for construction projects – please see the attached legislative proposal and supporting white paper.

Our partnership initiative proposes to unite regional-scale reuse programs to advocate solely for this proposed legislation and will not include any additional topics, such as individual agency policy issues or authorizations. We anticipate this effort will take 3-4 years to accomplish and are requesting an annual participation fee of \$20,000 per agency.

We increase our voice with strategic partners like South Bay Water Recycling and would ask our partners to:

- Send coordinated letters to Administration officials and elected representatives in support of funding and legislation and submit testimony for the record as bills are heard before relevant committees (we will provide drafts)
- Engage a locally elected official such as a Council or Board member or Supervisor to officially represent your organization in addition to your participation
- Attend annual and or/bi-annual trips to Washington DC with your elected representative to advocate for the proposed legislation

How this initiative will be managed:

- Activities in support of this effort will be managed by the NBWRA's Program Development consultant, Ginger Bryant and Federal advocates, Roger Gwinn and Mark Limbaugh at The Ferguson Group
- We are inviting each reuse program to join this effort at a \$20,000 annual level payable by July 1 of each year
- The annual fees will be paid directly to The Ferguson Group who will provide accounting services and report on funds received
- In addition to the legislative outreach described above, monthly conference calls will be scheduled to keep you informed of activities and progress

We look forward to building on our initial success by adding new funding tools to help regional-scale reuse programs develop and deliver recycled water to meet future needs across the west.

If you'd like more information about The North Bay Water Reuse Authority please visit our website at [www.nbwra.org](http://www.nbwra.org). And if you have any questions or need additional information regarding this Partnering invitation, please contact our Program Development consultant, Ginger Bryant, at 916-442-5877 or [vsbryant@sbcglobal.net](mailto:vsbryant@sbcglobal.net).

Thank you for considering our invitation.  
Best Regards,

General Manager, XXXX  
Chair, Technical Advisory Committee  
North Bay Water Reuse Authority