

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

Monday, January 27, 2014

Agenda

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

12:15 PM (time approximate – will start 15 minutes after completion of Board meeting)

	1.		Call to Order and Self Introductions
<b>Page 1</b>	2.	Action	Approval of Agenda
	3.		Public Comments
<b>Pages 2 - 6</b>	4.	Action	Consent Items a. December 16, 2013 TAC Meeting Minutes
<b>Page 7</b> <b>Page 8</b>	5.	Information	Report from the Program Manager a. Action Items from December 16, 2013 Meeting
	6.	Discussion	Summarize Board Meeting and List Action Items
<b>Pages 9 – 17</b>	7.	Discussion	Proposed Budgets for FY14/15, FY15/16, and FY16/17
<b>Pages 18 - 28</b>	8.	Action	Bay Area Integrated Regional Water Management Plan (BAIRWMP) Integrated Regional Water Management Implementation Grant Program Request for Regional Concept Submittals
	9.	Information	Items from Committee, Agency Staff, or Consultants
	10.	Information	Items for Next Agenda (February 19, 2014 at Novato Sanitary District)

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  
December 16, 2013**

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

Chair James called the Technical Advisory Committee (TAC) meeting to order at 9:35 a.m. on Monday, December 16, 2013. The meeting was held at Novato Sanitary District, 500 Davidson Street, Novato, CA 94945.

## Committee Members Present

Beverly James, Chair	Novato Sanitary District
Tim Healy, Vice Chair	Napa Sanitation District
Kevin Booker	Sonoma Valley County Sanitation District
Susan McGuire	Las Gallinas Valley Sanitary District
Phillip Miller,	County of Napa
Dan St. John	City of Petaluma
Paul Sellier	Marin Municipal Water District
Renee Webber	Sonoma County Water Agency

## Others Present

Chuck Weir, Program Manager	Weir Technical Services
Marc Bautista	Sonoma County Water Agency
Bill Brick	CDM Smith
Ginger Bryant	Bryant & Associates
Barry Dugan	Data Instincts
David Iribarne	City of Petaluma
Andria Loutsch	CDM Smith
Mark Millan	Data Instincts
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 Agenda was unanimously approved as presented.

**3. Public Comments**

There were no public comments.

**4. Consent Items****4.a November 18, 2013 TAC Meeting Minutes**

The minutes were unanimously approved as presented.

## 5. Report from the Program Manager

The Report from the Program Manager included the following items:

### 5.a Consultant Progress Reports – November 2013

The TAC reviewed the Progress Reports.

### 5.b Action Items from the November 18, 2013 Meetings

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 November 30, 2013

The Program Manager noted an error in the spreadsheet that did not impact overall costs. The \$42,360 shown for Bryant under Phase 2 Support should be included in the total budget for CDM Smith, bringing their total to \$407,560, with \$75,399.97 remaining.

### 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.

Following discussion, the TAC unanimously approved authorizing SCWA to amend the CDM Agreement.

### 6.c SCWA Trust Accounting Worksheets

The TAC reviewed the worksheets and noted that the City of Petaluma payment for FY2013/14 is still listed as pending. David Iribarne indicated that it was at the last stage of approval.

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

Ginger Bryant, Mike Savage, and Andria Loutsch led the TAC in a discussion of the final list of projects. The most current list of projects totals \$318.6M. As an action item, each of the agencies indicated which of their projects should be carried forward to the Feasibility Study. Tim Healy indicated that he desired to carry forward to the Feasibility Study several storage projects all of which would not be constructed. Having the projects go through the environmental review process provides Napa Sanitation District with options they would not have if fewer projects were fully evaluated. The total value of projects for the Feasibility Study is approximately \$249M and the total value of projects likely to be constructed is approximately \$200.7M.

The total estimated value of projects for the Feasibility Study will result in an increase in the cost for Engineering, Environmental, and Outreach Services. Brown & Caldwell will develop a revised cost estimate for budget purposes. Following discussion, and as an action item, the TAC agreed to have the Program Manager work with the consultants to develop a three-year budget that shares the Engineering, Environmental, and Outreach costs based on each agency's percentage of project cost estimates to be included in the Feasibility Study. That three-year

budget will be used by the TAC to present to their Boards in January, with a goal of approving the budget by the NBWRA Board at the March or May meetings.

### **8. Proposed Budgets for FY2014/15, FY2015/16, and FY2016/17**

This item was discussed under Item No. 7.

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

Ginger Bryant provided an update for the TAC. She discussed a Triple Bottom Line analysis will need to be included in the Feasibility Study and its potential cost. She also discussed the WaterSMART Basin Study Program and the TAC agreed with her recommendation to skip this option as there is no control over who conducts the study or its outcome. Lastly she discussed the FY2014 Energy and Water Development Appropriations Act and language that would provide up to \$500,000 per year not to exceed \$2,000,000 for any regional scale project. If approved, this could apply to the Feasibility Study and provide up to 50% of the costs.

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

Ginger Bryant provided an update for the TAC, including planned trips to Washington D.C. in February 2014 and the RIFIA legislation.

### **11. State Advocacy Update**

Pilar Oñate Quintana provided an update for the TAC, including the Water Bond and plans for a Capital Day in Sacramento.

### **12. Outreach Program Report**

Mark Millan provided an update.

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

Andria Loutsch discussed the grant application for Phase 1 construction costs.

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

Beverly James and Kevin Booker provided an update.

### **15. EIR/EIS Update**

Jim O’Toole provided an update.

### **16. Meeting Dates for the rest of 2014 and Beyond**

The TAC agreed and as an action item that Board meetings in January, April, July, and October and TAC meetings in March, June, September, and December were appropriate for planning purposes. The TAC also agreed that the Program Manager should work with City of Novato to schedule the Board meetings at Novato City Hall. Currently scheduled meetings include the following:

January 27, 2014	Board and TAC
February 19, 2014	TAC (note Wednesday date – changed due to conflicts)
March 17, 2014	Board and TAC

April 21, 2014  
 May 19, 2014

TAC  
 Board and TAC

Following discussion and as an action item, the TAC suggested that the March 17 Board meeting be moved to April 21, 2014 to better coincide with the budget approval process of the member agencies. It would also provide additional time for SCWA to process the agreements that would become effective July 1, 2014. There may be a complication since Easter is April 20. The Program Manager will check with the Board to see if the date can be changed.

### **17. Items from the Committee, Agency Staff, or Consultants**

TAC members provided updates on their projects and other items.

### **18. Items for the Next Agenda**

Items for the January 27, 2014 Board Agenda include:

- a. Election of Officers
- b. Workshop #6 – Present conceptual Phase 2 Scoping Study Findings
- c. Updated scopes and costs for consultant agreements and proposed three Fiscal Year Budget

Action items from this meeting included the following:

- a. 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.
- b. Carried forward a final list of projects to be included in the Phase 2 Scoping Study and to be carried over to the Phase 2 Feasibility Study. It was understood that some projects will be evaluated in the Feasibility Study, particularly in the EIR/EIR process but may not go through actual construction.
- c. Brown & Caldwell will revise scope and costs for Engineering, Environmental, and Outreach Services based on the final list of projects for the Phase 2 Scoping Study and Phase 2 Feasibility Study.
- d. Program Manager to work with the consultants to develop a three-year budget that shares the Engineering, Environmental, and Outreach costs based on each agency's percentage of project cost estimates to be included in the Feasibility Study. The resulting three-year budget will be used by the TAC to inform their Boards of estimated costs for the Phase 2 Feasibility Study.
- e. After the May 19, 2014 meetings, future Board meetings will be in January, April, July, and October and TAC meetings in March, June, September, and December. Meetings will be the third Monday at 9:30 a.m. Board meetings will be at Novato City Hall Council Chambers and TAC meetings at Novato Sanitary District. Regular meeting dates may need to be moved due to conflicts from CASA, holidays, or other meetings.
- f. The Program Manager will check to see if the March 17 Board meeting can be moved to April 21, 2014.

Chair James adjourned the meeting at 12:01 p.m.

*NEXT MEETING INFORMATION: Next meeting will be at City of Novato Council Chambers, Novato, CA on January 27, 2014.*

C:\Users\Chuck\Documents\Weir Technical Services\NBWRA\Agendas\2013\2013-12\2013\_12\_16\_NBWRA\_TAC\_Minutes.docx

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

The Report from the Program Manager includes the following items:

5.a Action Items from December , 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:

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

Please refer to the separate report for this item.

8. Bay Area Integrated Regional Water Management Plan (BAIRWMP) Integrated Regional Water Management Implementation Grant Program Request for Regional Concept Submittals  
Please

Please refer to the attached email from Kevin Booker and the supporting document from BAIRWMP.

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

Meeting Date: December 16, 2013

Task	Responsible Party	Due Date	Status	Completion Date
FY13/14 Allocation Invoices to go out July 1, 2013.	Booker	7/31/2013	All invoices for FY2013/14 have been paid	12/23/2013
Finalize List of Projects in Phase 2 Scoping Study	TAC	12/16/2013	List finalized by TAC at December 16, 2013 meeting. List revised January 22, 2014.	1/22/2014
Submit application for 2014/15 WaterSMART Phase 1 Construction Projects Grant	CDM Smith, SCWA, Napa San	1/7/2014	Application submitted.	1/7/2014
Submit application for 2014/15 WaterSMART Phase 2 Feasibility Study	B&C, Bryant, SCWA, TAC	1/7/2014	Process revised based on USBR recommendations. Bryant will provide update on January 27, 2014	
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	12/30/2013	TAC reviewed on December 16, 2013. Projects list also revised. TAC recommended cost sharing for Feasibility Study on the basis of project costs. Updated information on Feasibility Study costs received January 15, 2013. Revised Budget sent to TAC that day. Additional changes to project costs received January 22, 2014. Budget revised based on those costs and included in Board and TAC agenda packets for January 27, 2014 meeting.	1/22/2014
SCWA to amend CDM Smith agreement for Phase 2 Scoping Study for an additional \$5,000 from approved contingency fund.	Booker	1/31/2014	In process	
Notify Ginger Bryant of attendance at February/March 2014 D.C. meeting.	TAC	12/16/2013	Ongoing	
Future Board meetings in January, April, July, and October. Future TAC meetings after Board meetings and also in March, June, September, and December. All meetings on 3rd Monday subject to conflicts. Board meetings at Novato City Hall, and TAC meetings at Novato San.	Weir	12/31/2013	Schedule for 2014, 2015, and 2016 finalized. Outlook appointment sent for 2014. Holding off on others until after January 2014 Board meeting. Regular meetings moved to fourth Monday. Board and TAC to meet in January, April, July, and October. TAC to also meet in March, June, September, and December. December meetings will be third Monday due to holiday conflicts.	1/10/2014
Check on moving March 17, 2014 Board meeting to April 21, 2014	Weir		Meeting moved to April 21, 2014.	1/10/2014
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		



**ITEM NO. 7 PROPOSED BUDGETS FOR FY14/15, FY15/16, AND FY16/17**

**Action Requested:** Review the proposed budgets and cost allocations for FY14/15, FY15/16, and FY16/17 and provide direction to the Program Manager and consultant team.

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

1. Email dated January 15, 2014 from the Program Manager transmitting revised budgets based on December 16, 2014 Phase 2 Project Costs and direction from the TAC.
2. Revised three year budget and cost allocations based on updated Phase 2 Project Costs.

The differences between the attached budget documents and the ones emailed on January 15, 2014 include the following:

1. Revised project costs for Petaluma and SVCSD:
  - a. Petaluma from \$47,530,000 to \$58,940,000
  - b. SVCSD from \$11,226,677 to \$5,210,000
2. Revised total project costs from \$200, 806,677 to \$206,700.
3. Revised cost allocations for the Feasibility Study based on the revised project costs.

**Recommendation**

Review the proposed budgets and cost allocations for FY14/15, FY15/16, and FY16/17 and provide direction to the Program Manager and consultant team.

**Chuck Weir**

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**From:** Chuck Weir <chuckweir@sbcglobal.net>  
**Sent:** Wednesday, January 15, 2014 2:34 PM  
**To:** 'Beverly James (bevj@novatosan.com)'; 'Dan St. John (DSTJohn@ci.petaluma.ca.us)'; 'Drew McIntyre (drewm@nmwd.com)'; 'Howard Siegel (howardsiegel@comcast.net)'; 'Iribarne, David'; 'Jake Spaulding (Jake.Spaulding@scwa.ca.gov)'; 'Jeff Tucker (jtucker@napasan.com)'; 'Kevin Booker (Kevin.Booker@scwa.ca.gov)'; Leah Walker (lwalker@ci.petaluma.ca.us); 'Leonard Olive (LOLIVE@ci.petaluma.ca.us)'; 'Liz Lewis (lizlewis@co.marin.ca.us)'; 'Mark Williams (mwilliams@lgvsd.org)'; 'Michael Ban (mban@marinwater.org)'; 'Pam Jeane (Pam.Jeane@scwa.ca.gov)'; 'Paul Sellier (psellier@marinwater.org)'; 'Phillip M. Miller (Phillip.Miller@countyofnapa.org)'; 'Renee Webber (Renee.Webber@scwa.ca.gov)'; 'Sandeep Karkal (sandeepk@novatosan.com)'; 'Steve Lederer (Steve.Lederer@countyofnapa.org)'; 'Susan McGuire (SMcGuire@lgvsd.org)'; 'Tim Healy (thealy@napasan.com)'  
**Subject:** Revised 3-year NBWRA Budget  
**Attachments:** Combined\_NBWRA Budget FY14-15\_FY15-16\_FY16-17-v2.pdf; Bryant Scope Update 01-12-14.pdf; B&C Cost by Year.pdf

Good afternoon,

Attached is a revised 3-year NBWRA Budget for your use in informing your Boards and to assist in making decisions as the program moves forward. Apologies for not getting it to you sooner, but I just received the yearly breakdown for engineering, environmental, and outreach services today. You will recall that B&C was revising their costs based on the total Phase 2 project cost for the Feasibility Study. The total changed several times as did B&C's costs. There are a few other changes based on the recommendations and direction from the TAC meetings in October and December. Those changes include the following:

1. Costs for Program Development and Federal Advocacy have been split between Phase 1 and Phase 2.
2. Program and Travel costs have been separated from the monthly retainer fees in the cost document for Bryant & Associates. Please refer to the attached memo from Ginger Bryant for both Item Nos. 1 & 2.
3. SCWA's Administrative costs have been revised to total \$300,000 per year. There is \$150,000 for Phase 2 support for Grant Administration and management of the EIR/EIS process. There is also \$150,000 in Joint Use support. SCWA is in the process of developing a scope and cost document and that will be forwarded once it is completed. It is possible their costs will be revised to better match the EIR/EIS schedule.

The attached budget document includes the following pages:

1. Proposed FY Budget by program for the three years.
2. Member Agency Cost Allocations by Fiscal Year (3 pages).
3. Total Member Agency Cost Allocations for the three years.
4. Graphical presentation of Phase 2 Project Costs by Agency. This table also shows the percentages used to allocate costs for the Feasibility Study. The table also includes the cost per \$1M of project costs. Mark Williams asked for an estimate of costs per million dollars of Phase 2 projects. It is an interesting calculation and shows that it will cost \$21,369 per million dollars of projects for the full three year study. Currently there are \$200.8 Million in Phase 2 projects.

I have also attached the 3-year cost breakdown for B&C. They also provided a revised scope document and I can forward that if you want it. Please let me know.

This information will also be covered in the Board Workshop on January 27, 2014. We wanted you to have it first so you could share with your Board in advance of the meeting on the 27<sup>th</sup>.

Please let me know if you have any questions.

Thanks,

Chuck Weir  
Weir Technical Services  
3026 Ferndale Court  
Pleasanton, CA 94588-3579  
510-410-5923  
925-484-0123 (fax)  
[chuckweir@sbcglobal.net](mailto:chuckweir@sbcglobal.net)

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

January 22, 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	50,311	50,311	17,542	118,164
Program Development (40% of \$221,110 total) - Bryant	-	88,444	88,444	88,444	265,332
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	-	47,370	47,370	47,370	142,110
Contingency	5,000	-	-	-	-
<b>Total Costs for Phase 1 Support</b>	<b>65,000</b>	<b>186,125</b>	<b>186,125</b>	<b>153,356</b>	<b>525,606</b>

Phase 2 Support	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$221,110 total) - Bryant	-	132,666	132,666	132,666	397,998
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	18,000	110,530	110,530	110,530	331,590
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>243,196</b>	<b>243,196</b>	<b>243,196</b>	<b>729,588</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	1,684,299	1,288,564	868,211	3,841,074
SCWA Administration - Grants and EIR/EIS	-	150,000	150,000	150,000	450,000
Contingency	-	-	-	-	-
<b>Total Costs for Study</b>	<b>166,080</b>	<b>1,834,299</b>	<b>1,438,564</b>	<b>1,018,211</b>	<b>4,291,074</b>
<b>Potential Federal Cost Sharing Reimbursement</b>		<b>917,150</b>	<b>719,282</b>	<b>509,105</b>	<b>2,145,537</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>2,077,495</b>	<b>1,681,760</b>	<b>1,261,407</b>	<b>5,020,662</b>

Joint Use	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Management - Weir	78,000	78,000	83,000	83,000	244,000
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	68,000	68,000	68,000	204,000
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>296,000</b>	<b>301,000</b>	<b>301,000</b>	<b>898,000</b>

Total Costs	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	78,000	78,000	83,000	83,000	244,000
Bryant & Associates	199,180	447,010	447,010	447,010	1,341,030
The Ferguson Group	83,000	-	-	-	-
CDM Smith	158,710	-	-	-	-
Brown & Caldwell	83,890	1,734,610	1,338,875	885,753	3,959,238
ESA	10,000	-	-	-	-
The Onate Group	30,000	-	-	-	-
Data Instincts	50,000	-	-	-	-
SCWA Administration	194,575	300,000	300,000	300,000	900,000
Contingency	35,000	-	-	-	-
<b>Total Costs for NBWRA</b>	<b>922,355</b>	<b>2,559,620</b>	<b>2,168,885</b>	<b>1,715,763</b>	<b>6,444,268</b>
<b>Potential Federal Cost Sharing Reimbursement</b>		<b>917,150</b>	<b>719,282</b>	<b>509,105</b>	<b>2,145,537</b>
<b>Potential Net Cost to NBWRA</b>	<b>922,355</b>	<b>1,642,471</b>	<b>1,449,603</b>	<b>1,206,657</b>	<b>4,298,731</b>

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

**Member Agency Cost Allocations**

January 22, 2014

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	50,311	50,311	3,642	16,046	4,332	13,822	1,797	8,875	1,797		
Program Development (40% of \$221,110 total) - Bryant	88,444	88,444	6,402	28,209	7,616	24,298	3,159	15,601	3,159		
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	47,370	47,370	3,429	15,108	4,079	13,014	1,692	8,356	1,692		
<b>Total</b>	<b>\$186,125</b>	<b>\$186,125</b>	<b>\$13,473</b>	<b>\$59,363</b>	<b>\$16,027</b>	<b>\$51,134</b>	<b>\$6,647</b>	<b>\$32,832</b>	<b>\$6,647</b>		
<i>FY13/14</i>	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321		

Phase 2 Support											
Shared Equally Between Participating Member Agencies	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
Program Development (60% of \$221,110 total) - Bryant	132,666	132,666	18,952	18,952	18,952	18,952	18,952	-	-	18,952	18,952
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	110,530	110,530	15,790	15,790	15,790	15,790	15,790	-	-	15,790	15,790
<b>Total</b>	<b>\$243,196</b>	<b>\$243,196</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$0</b>	<b>\$0</b>	<b>\$34,742</b>	<b>\$34,742</b>
<i>FY13/14</i>	\$63,000	\$63,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$0	\$0	\$9,000	\$9,000

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>			10.435%	22.675%	17.194%	2.521%	12.525%	0.000%	0.000%	28.515%	6.134%
Engineering, Environmental, and Outreach Services - B&C	1,684,299	1,684,299	175,764	381,921	289,598	42,454	210,965	-	-	480,274	103,323
SCWA Administration - Grants and EIR/EIS	150,000	150,000	15,653	34,013	25,791	3,781	18,788	-	-	42,772	9,202
<b>Total</b>	<b>\$1,834,299</b>	<b>\$1,834,299</b>	<b>\$191,417</b>	<b>\$415,935</b>	<b>\$315,390</b>	<b>\$46,235</b>	<b>\$229,753</b>	<b>\$0</b>	<b>\$0</b>	<b>\$523,046</b>	<b>\$112,525</b>
<i>FY13/14</i>	\$208,355	\$208,355	\$29,765	\$29,765	\$29,765	\$29,765	\$29,765	\$0	\$0	\$29,765	\$29,765

Joint Use											
Shared Equally Between Current and New Member Agencies	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
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
State Advocacy - The Onate Group (Sub to Bryant)	68,000	68,000	7,556	7,556	7,556	7,556	7,556	7,556	7,556	7,556	7,556
SCWA Administration	150,000	150,000	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667
<b>Total</b>	<b>\$296,000</b>	<b>\$296,000</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>	<b>\$32,889</b>
<i>FY13/14</i>	\$586,000	\$586,000	\$65,111	\$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	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>FY14/15 Proposed</i>	\$2,559,620	\$2,559,620	\$272,521	\$542,929	\$399,048	\$165,000	\$304,032	\$65,721	\$39,536	\$590,677	\$180,156
<i>FY13/14</i>	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
<i>Difference</i>	\$1,637,265	\$1,637,265	\$163,940	\$418,322	\$289,575	\$43,266	\$197,834	(\$10,856)	(\$27,896)	\$486,801	\$76,280
Potential Federal Cost Sharing Reimbursement		\$917,150	\$95,708	\$207,967	\$157,695	\$23,117	\$114,877	\$0	\$0	\$261,523	\$56,262
Potential Net Cost to NBWRA		\$1,642,471	\$176,813	\$334,962	\$241,354	\$141,882	\$189,155	\$65,721	\$39,536	\$329,154	\$123,894
Difference from FY13/14		\$720,116	\$68,232	\$210,355	\$131,880	\$20,149	\$82,958	(\$10,856)	(\$27,896)	\$225,278	\$20,018
Annual Cost if split equally over three years (w/o fed)		\$2,148,089	\$234,329	\$454,178	\$336,242	\$196,103	\$258,675	\$64,165	\$39,516	\$406,561	\$158,322

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

Member Agency Cost Allocations

January 22, 2014

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	50,311	50,311	3,642	16,046	4,332	13,822	1,797	8,875	1,797		
Program Development (40% of \$221,110 total) - Bryant	88,444	88,444	6,402	28,209	7,616	24,298	3,159	15,601	3,159		
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	47,370	47,370	3,429	15,108	4,079	13,014	1,692	8,356	1,692		
<b>Total</b>	<b>\$186,125</b>	<b>\$186,125</b>	<b>\$13,473</b>	<b>\$59,363</b>	<b>\$16,027</b>	<b>\$51,134</b>	<b>\$6,647</b>	<b>\$32,832</b>	<b>\$6,647</b>		
<i>FY13/14</i>	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321		

Phase 2 Support											
Shared Equally Between Participating Member Agencies	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
Program Development (60% of \$221,110 total) - Bryant	132,666	132,666	18,952	18,952	18,952	18,952	18,952	-	-	18,952	18,952
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	110,530	110,530	15,790	15,790	15,790	15,790	15,790	-	-	15,790	15,790
<b>Total</b>	<b>\$243,196</b>	<b>\$243,196</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$0</b>	<b>\$0</b>	<b>\$34,742</b>	<b>\$34,742</b>
<i>FY13/14</i>	\$63,000	\$63,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$0	\$0	\$9,000	\$9,000

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>			10.435%	22.675%	17.194%	2.521%	12.525%	0.000%	0.000%	28.515%	6.134%
Engineering, Environmental, and Outreach Services - B&C	1,288,564	1,288,564	134,467	292,187	221,556	32,479	161,398	-	-	367,431	79,047
SCWA Administration - Grants and EIR/EIS	150,000	150,000	15,653	34,013	25,791	3,781	18,788	-	-	42,772	9,202
<b>Total</b>	<b>\$1,438,564</b>	<b>\$1,438,564</b>	<b>\$150,120</b>	<b>\$326,200</b>	<b>\$247,347</b>	<b>\$36,260</b>	<b>\$180,186</b>	<b>\$0</b>	<b>\$0</b>	<b>\$410,203</b>	<b>\$88,249</b>
<i>FY13/14</i>	\$208,355	\$208,355	\$29,765	\$29,765	\$29,765	\$29,765	\$29,765	\$0	\$0	\$29,765	\$29,765

Joint Use											
Shared Equally Between Current and New Member Agencies	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
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
State Advocacy - The Onate Group (Sub to Bryant)	68,000	68,000	7,556	7,556	7,556	7,556	7,556	7,556	7,556	7,556	7,556
SCWA Administration	150,000	150,000	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667
<b>Total</b>	<b>\$301,000</b>	<b>\$301,000</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>
<i>FY13/14</i>	\$586,000	\$586,000	\$65,111	\$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	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>FY14/15 Proposed</i>	\$2,168,885	\$2,168,885	\$231,780	\$453,750	\$331,561	\$155,580	\$255,020	\$66,277	\$40,092	\$478,390	\$156,435
<i>FY13/14</i>	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
<i>Difference</i>	\$1,246,530	\$1,246,530	\$123,199	\$329,143	\$222,088	\$33,847	\$148,823	(\$10,300)	(\$27,341)	\$374,514	\$52,559
Potential Federal Cost Sharing Reimbursement		\$719,282	\$75,060	\$163,100	\$123,673	\$18,130	\$90,093	\$0	\$0	\$205,102	\$44,124
Potential Net Cost to NBWRA		\$1,449,603	\$156,720	\$290,650	\$207,888	\$137,451	\$164,927	\$66,277	\$40,092	\$273,289	\$112,311
Difference from FY13/14		\$527,248	\$48,139	\$166,043	\$98,414	\$15,717	\$58,730	(\$10,300)	(\$27,341)	\$169,412	\$8,435
Annual Cost if split equally over three years (w/o fed)		\$2,148,089	\$234,329	\$454,178	\$336,242	\$196,103	\$258,675	\$64,165	\$39,516	\$406,561	\$158,322

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

**Member Agency Cost Allocations**

January 22, 2014

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	17,542	17,542	1,270	5,595	1,511	4,819	627	3,094	627		
Program Development (40% of \$221,110 total) - Bryant	88,444	88,444	6,402	28,209	7,616	24,298	3,159	15,601	3,159		
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	47,370	47,370	3,429	15,108	4,079	13,014	1,692	8,356	1,692		
<b>Total</b>	<b>\$153,356</b>	<b>\$153,356</b>	<b>\$11,101</b>	<b>\$48,912</b>	<b>\$13,206</b>	<b>\$42,131</b>	<b>\$5,477</b>	<b>\$27,052</b>	<b>\$5,477</b>		
<i>FY13/14</i>	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321		

Phase 2 Support											
Shared Equally Between Participating Member Agencies	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
Program Development (60% of \$221,110 total) - Bryant	132,666	132,666	18,952	18,952	18,952	18,952	18,952	-	-	18,952	18,952
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	110,530	110,530	15,790	15,790	15,790	15,790	15,790	-	-	15,790	15,790
<b>Total</b>	<b>\$243,196</b>	<b>\$243,196</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$34,742</b>	<b>\$0</b>	<b>\$0</b>	<b>\$34,742</b>	<b>\$34,742</b>
<i>FY13/14</i>	\$63,000	\$63,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$0	\$0	\$9,000	\$9,000

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>			10.435%	22.675%	17.194%	2.521%	12.525%	0.000%	0.000%	28.515%	6.134%
Engineering, Environmental, and Outreach Services - B&C	868,211	868,211	90,601	196,870	149,280	21,884	108,747	-	-	247,568	53,260
SCWA Administration - Grants and EIR/EIS	150,000	150,000	15,653	34,013	25,791	3,781	18,788	-	-	42,772	9,202
<b>Total</b>	<b>\$1,018,211</b>	<b>\$1,018,211</b>	<b>\$106,255</b>	<b>\$230,883</b>	<b>\$175,071</b>	<b>\$25,665</b>	<b>\$127,535</b>	<b>\$0</b>	<b>\$0</b>	<b>\$290,341</b>	<b>\$62,462</b>
<i>FY13/14</i>	\$208,355	\$208,355	\$29,765	\$29,765	\$29,765	\$29,765	\$29,765	\$0	\$0	\$29,765	\$29,765

Joint Use											
Shared Equally Between Current and New Member Agencies	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
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
State Advocacy - The Onate Group (Sub to Bryant)	68,000	68,000	7,556	7,556	7,556	7,556	7,556	7,556	7,556	7,556	7,556
SCWA Administration	150,000	150,000	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667	16,667
<b>Total</b>	<b>\$301,000</b>	<b>\$301,000</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>	<b>\$33,444</b>
<i>FY13/14</i>	\$586,000	\$586,000	\$65,111	\$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	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>FY14/15 Proposed</i>	\$1,715,763	\$1,715,763	\$185,543	\$347,982	\$256,464	\$135,983	\$201,199	\$60,496	\$38,921	\$358,527	\$130,649
<i>FY13/14</i>	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
<i>Difference</i>	\$793,408	\$793,408	\$76,961	\$223,375	\$146,990	\$14,249	\$95,001	(\$16,081)	(\$28,511)	\$254,651	\$26,773
Potential Federal Cost Sharing Reimbursement		\$509,105	\$53,127	\$115,442	\$87,536	\$12,832	\$63,767	\$0	\$0	\$145,170	\$31,231
Potential Net Cost to NBWRA		\$1,206,657	\$132,415	\$232,541	\$168,928	\$123,150	\$137,431	\$60,496	\$38,921	\$213,357	\$99,418
Difference from FY13/14		\$284,302	\$23,834	\$107,933	\$59,455	\$1,417	\$31,234	(\$16,081)	(\$28,511)	\$109,481	(\$4,458)
Annual Cost if split equally over three years (w/o fed)		\$2,148,089	\$234,329	\$454,178	\$336,242	\$196,103	\$258,675	\$64,165	\$39,516	\$406,561	\$158,322

**North Bay Water Reuse Authority**  
**Proposed Agency Cost Allocations**  
 Three Fiscal Year 2014/15, 2015/16, and 2016/17

**Member Agency Cost Allocations**  
 January 22, 2014

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	118,164	118,164	8,554	37,688	10,175	32,463	4,220	20,844	4,220	
Program Development (40% of \$221,110 total) - Bryant	265,332	265,332	19,207	84,626	22,848	72,894	9,476	46,804	9,476	
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	142,110	142,110	10,287	45,325	12,237	39,042	5,075	25,068	5,075	
<b>Total</b>	<b>\$525,606</b>	<b>\$525,606</b>	<b>\$38,048</b>	<b>\$167,639</b>	<b>\$45,260</b>	<b>\$144,399</b>	<b>\$18,772</b>	<b>\$92,717</b>	<b>\$18,772</b>	
<i>FY13/14</i>	\$65,000	\$65,000	\$4,705	\$20,731	\$5,597	\$17,857	\$2,321	\$11,466	\$2,321	

Phase 2 Support											
Shared Equally Between Participating Member Agencies	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
Program Development (60% of \$221,110 total) - Bryant	397,998	397,998	56,857	56,857	56,857	56,857	56,857	-	-	56,857	56,857
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	331,590	331,590	47,370	47,370	47,370	47,370	47,370	-	-	47,370	47,370
<b>Total</b>	<b>\$729,588</b>	<b>\$729,588</b>	<b>\$104,227</b>	<b>\$104,227</b>	<b>\$104,227</b>	<b>\$104,227</b>	<b>\$104,227</b>	<b>\$0</b>	<b>\$0</b>	<b>\$104,227</b>	<b>\$104,227</b>
<i>FY13/14</i>	\$63,000	\$63,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$0	\$0	\$9,000	\$9,000

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>			10.435%	22.675%	17.194%	2.521%	12.525%	0.000%	0.000%	28.515%	6.134%
Engineering, Environmental, and Outreach Services - B&C	3,841,074	3,841,074	400,832	870,978	660,434	96,817	481,110	-	-	1,095,273	235,630
SCWA Administration - Grants and EIR/EIS	450,000	450,000	46,959	102,039	77,373	11,343	56,364	-	-	128,316	27,605
<b>Total</b>	<b>\$4,291,074</b>	<b>\$4,291,074</b>	<b>\$447,791</b>	<b>\$973,017</b>	<b>\$737,808</b>	<b>\$108,159</b>	<b>\$537,474</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,223,590</b>	<b>\$263,236</b>
<i>FY13/14</i>	\$208,355	\$208,355	\$29,765	\$29,765	\$29,765	\$29,765	\$29,765	\$0	\$0	\$29,765	\$29,765

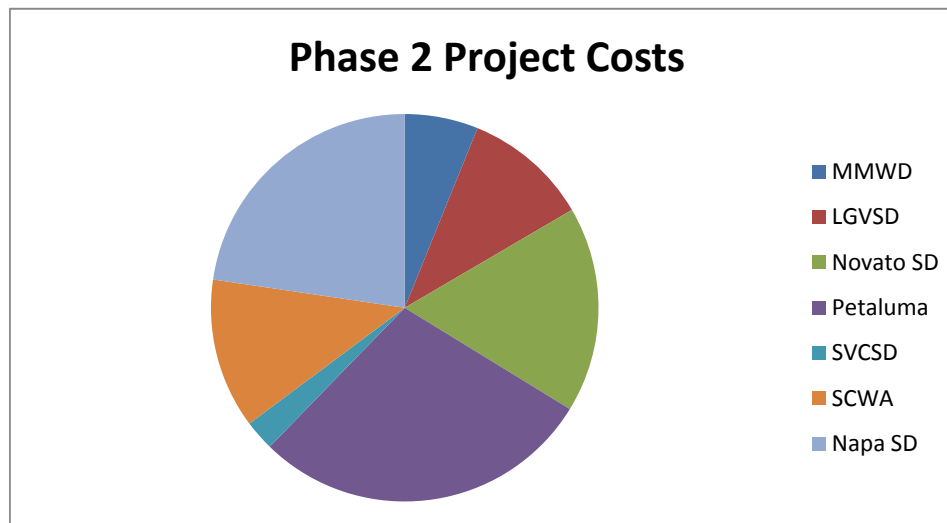
Joint Use											
Shared Equally Between Current and New Member Agencies	Total Budget	NBWR Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
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
State Advocacy - The Onate Group (Sub to Bryant)	204,000	204,000	22,667	22,667	22,667	22,667	22,667	22,667	22,667	22,667	22,667
SCWA Administration	450,000	450,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
<b>Total</b>	<b>\$898,000</b>	<b>\$898,000</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>	<b>\$99,778</b>
<i>FY13/14</i>	\$586,000	\$586,000	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111	\$65,111

Total Cost per Agency for FY2014/15, FY2015/16, and FY2016/17											
	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>FY14/15 Proposed</i>	\$6,444,268	\$6,444,268	\$689,844	\$1,344,661	\$987,073	\$456,563	\$760,251	\$192,494	\$118,549	\$1,427,594	\$467,240
<i>FY13/14</i>	\$922,355	\$922,355	\$108,581	\$124,607	\$109,473	\$121,733	\$106,198	\$76,577	\$67,433	\$103,876	\$103,876
<i>Difference</i>	\$5,521,913	\$5,521,913	\$581,263	\$1,220,054	\$877,599	\$334,829	\$654,053	\$115,917	\$51,117	\$1,323,718	\$363,364
<i>Potential Federal Cost Sharing Reimbursement</i>		\$2,145,537	\$223,896	\$486,509	\$368,904	\$54,080	\$268,737	\$0	\$0	\$611,795	\$131,618
<i>Potential Net Cost to NBWRA</i>		\$4,298,731	\$465,948	\$858,152	\$618,169	\$402,483	\$491,513	\$192,494	\$118,549	\$815,800	\$335,623
<i>Difference from FY13/14</i>											
<i>Annual Cost if split equally over three years (w/o fed)</i>		\$2,148,089	\$229,948	\$448,220	\$329,024	\$152,188	\$253,417	\$64,165	\$39,516	\$475,865	\$155,747



Member Agency	Phase 2 Project Costs	Percent of Total Project Costs	3-Yr Feasibility Study Costs	Study Cost per Million Dollars of Projects
MMWD	\$12,680,000	6.134%	\$263,236	\$20,760
LGVSD	\$21,570,000	10.435%	\$447,791	\$20,760
Novato SD	\$35,540,000	17.194%	\$737,808	\$20,760
Petaluma	\$58,940,000	28.515%	\$1,223,590	\$20,760
SVCSD	\$5,210,000	2.521%	\$108,159	\$20,760
SCWA	\$25,890,000	12.525%	\$537,474	\$20,760
Napa SD	\$46,870,000	22.675%	\$973,017	\$20,760
<b>TOTAL</b>	<b>\$206,700,000</b>	<b>100.000%</b>	<b>\$4,291,075</b>	<b>\$20,760</b>



**Chuck Weir**

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**From:** Kevin Booker <Kevin.Booker@scwa.ca.gov>  
**Sent:** Thursday, January 09, 2014 2:42 PM  
**To:** chuckweir@sbcglobal.net  
**Subject:** FW: [BAIRWMP Updates] Request for Regional Project Concept Submittals  
**Attachments:** BAIRWMP RD3 Regional RFS final.pdf; ATT00001.txt

**Follow Up Flag:** Follow up  
**Due By:** Friday, January 17, 2014 8:00 AM  
**Flag Status:** Flagged

Hi Chuck,

Can you put this on the TAC Agenda item as a discussion item? Might need to be an action item? We (Beverly, Susan, Pamela Tuft w/Petaluma) discuss are not planning to submit as a regional, but are planning to submit as a sub-regional project. We will probably need approval to use a consultant to assist with the preparation.

Thanks,

Kevin Booker, P.E.  
 Water Agency Principal Engineer  
 404 Aviation Blvd  
 Santa Rosa CA  
 O:707-521-1865  
[Kevin.Booker@scwa.ca.gov](mailto:Kevin.Booker@scwa.ca.gov)

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**From:** [updates-bounces@lists.bairwmp.org](mailto:updates-bounces@lists.bairwmp.org) [<mailto:updates-bounces@lists.bairwmp.org>] **On Behalf Of** Thomasin Grim  
**Sent:** Thursday, January 09, 2014 9:01 AM  
**To:** [updates@lists.bairwmp.org](mailto:updates@lists.bairwmp.org)  
**Subject:** [BAIRWMP Updates] Request for Regional Project Concept Submittals

Coordinating Committee Members and Interested Parties:

The Bay Area IRWMP Coordinating Committee (CC) is soliciting projects for the region's response to a forthcoming Proposal Solicitation Package (PSP) from the California Department of Water Resources (DWR). The CC anticipates release of the DWR's Round 3 PSP in Summer 2014, with grant applications due in late 2014/early 2015. In order to effectively put together a regional proposal in that window, the CC is soliciting and vetting project concept proposals well in advance. The attached RFP concerns **regional project submittals** that benefit large portions of the region by addressing the priority regional needs identified below. This will be followed by development of smaller-scale opportunities in each of the four IRWM subregions throughout the spring of 2014. All project ideas are expected to be reviewed in late spring/early summer 2014 in order to call back a final pool of project applicants (both regional and subregional) in late summer once DWR releases the next project solicitation package and determines regional allocations for the State.

The CC has determined to prioritize regional submittals that best address a suite of **regional priority needs** identified in the IRWMP and further refined with input from each IRWM functional area. These need categories are not exclusive and projects that integrate solutions to multiple needs are welcomed. The priority needs are as follows:

- **Climate Change**, as relates to **all** topics below, but also including:
  - Enhanced Weather Management Projects
  - Shoreline Sustainability Projects
- **Reinforce/Enhance Water Supply Capacity** (Desal, Infiltration, Interties)
- **Regional Water Reliability/Long-term sustainability**
- **Health of the Bay and Creeks** (Water quality and biota)
- **Sediment Management**
- **Invasives Management**
- **Riparian and Fisheries Restoration**
- **Protection of Water Source Areas**

All submissions must be received electronically by **5:00 p.m. PST on Monday, March 31<sup>st</sup>** at [projects@bairwmp.org](mailto:projects@bairwmp.org). A call-back of top proposals will be forthcoming in mid-summer 2014. See attached for detailed submission requirements.

If you have any questions on the process, please contact [projects@bairwmp.org](mailto:projects@bairwmp.org). We look forward to hearing your ideas for excellent regional projects to consider for the next round of IRWMP funding.

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Thomasin Grim  
Grant Program Coordinator  
Marin Municipal Water District  
220 Nellen Avenue  
Corte Madera, CA 94925-1169

415/945-1542  
[tgrim@marinwater.org](mailto:tgrim@marinwater.org)

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## Bay Area Integrated Regional Water Management Plan (BAIRWMP) Integrated Regional Water Management Implementation Grant Program

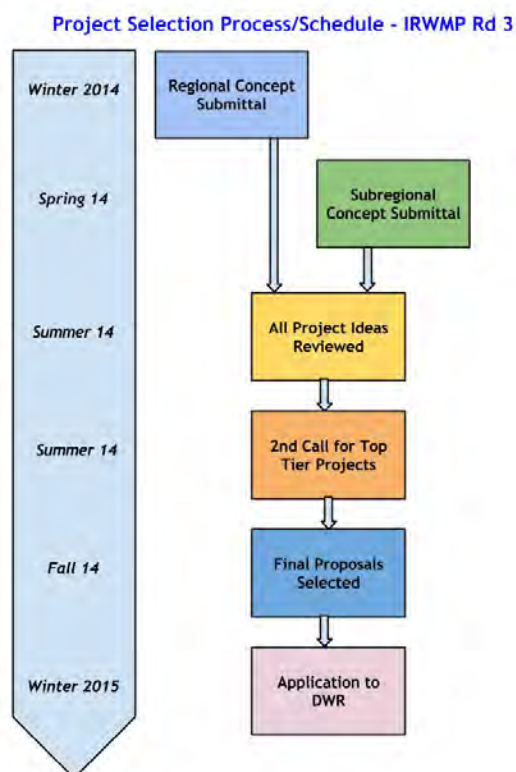
### Request for Regional Concept Submittals

The Bay Area IRWMP Coordinating Committee (CC) is soliciting projects for the region’s response to a forthcoming Proposal Solicitation Package (PSP) from the California Department of Water Resources (DWR) for Integrated Regional Water Management (IRWM) Proposition 84 implementation projects. The Committee thanks you in advance for your interest in this program and has developed the following guidelines to answer your questions about how to submit a prospective **REGIONAL** project concept and what the project selection and grant application processes will entail. Additional guidance will follow on how to submit projects targeted within a single subregion, as well as scoring criteria for selecting 2<sup>nd</sup> call projects.

### Project Selection Process/Schedule

The CC anticipates release of the DWR’s Round 3 PSP in Summer 2014, with full applications due in late 2014/early 2015 (See <http://www.water.ca.gov/irwm/grants/index.cfm> for the latest DWR schedule). It is currently anticipated that up to \$73 million may be available to the region in this next round; however this will not be confirmed until the state’s 2014/15 fiscal year budget is in place and can change at any time.

In order to effectively put together a regional proposal in that window, the CC is soliciting and vetting project concept proposals well in advance. This RFS concerns **regional project submittals** that benefit large portions of the region by addressing the priority regional needs identified below. It will be followed by development of smaller-scale opportunities in each of the four IRWM subregions throughout the spring of 2014. All project ideas are expected to be reviewed in late spring/early summer 2014 in order to call back a final pool of



project applicants (both regional and subregional) in late summer once DWR releases the next project solicitation package and determines regional allocations for the State.

### **Background**

In November 2006, voters passed Proposition 84, the Safe Drinking Water, Water Quality, and Supply, Flood Control, River and Coastal Protection Bond Act (Prop 84), which provided \$1,000,000,000 for Integrated Regional Water Management (IRWM) Planning and Implementation. IRWM grants are administered by DWR's Integrated Water Management group. The program's goal is managing water resources in a collaborative effort and seeks to have regions work across jurisdictional, watershed, and political boundaries. Regions are defined by Regional Water Quality Control Board boundaries and involve multiple geo-political boundaries, agencies, stakeholders, individuals, and groups. In some cases, regions bisect or overlap within counties to more closely follow watershed boundaries.

Prop 84 gives preference to IRWM grant proposals that:

- Include regional projects or programs (CWC §10544),
- Effectively integrate water management programs and projects within a hydrologic region,
- Effectively resolve significant water-related conflicts within or between regions,
- Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program,
- Address critical water supply or water quality needs of disadvantaged communities within the region,
- Effectively integrate water management with land use planning, and
- Address statewide priorities.

Prop 84 guidelines provide a preference for projects that benefit Disadvantaged Communities (DACs) and projects providing for water conservation to meet a 20% reduction by 2020.

In 2009, the Bay Area Region was formally recognized by DWR and includes all or portions of the nine counties that ring the San Francisco Bay and lower Delta area. The BAIRWM was further divided into four subregions: North, South, East, and West to represent the diversity of needs around the Bay and to allow for more locally targeted outreach through the Subregional Process. A map showing the region and subregions can be found at:

<http://bairwmp.org/content/Bay%20Area%20IRWMP%20Sub-Regions.jpg>.

DWR encourages integrated regional strategies for management of water resources that support multi-benefit water resources planning and implementation projects. A PSP will be issued by DWR to explain the application process and disbursement of funds under the Round 3 Implementation Grant of Prop 84. In past rounds, DWR has used a one-step application process to evaluate IRWM Implementation Grant applications and it is anticipated that it will do so again. The DWR PSP will be based on the 2012 IRWM Guidelines document with modifications

as necessary for the specific funding round. The 2012 Guidelines are posted on the DWR website at:

<http://www.water.ca.gov/irwm/grants/guidelines.cfm>

Prospective applicants for IRWM Implementation Grants should read this PSP and the entire 2012 Guidelines. Grant funds are only available for projects included in an IRWM Plan. Prop 84 funds are intended for capital improvements and the CC anticipates a focus will be on implementation projects that can document high benefit/cost. More information on DWR's approach and process may be found at:

<http://www.water.ca.gov/irwm/grants/>

### **Priority Regional Needs, Factors and Criteria**

The CC has determined to prioritize regional submittals that best address a suite of ***regional priority needs*** identified in the plan and further refined with input from each IRWM functional area. These need categories are not exclusive and projects that integrate solutions to multiple needs are welcomed. The priority needs are as follows:

- **Climate Change**, as relates to ***all*** topics below, but also including:
  - Enhanced Weather Management Projects
  - Shoreline Sustainability Projects
- **Reinforce/Enhance Water Supply Capacity** (Desal, Infiltration, Interties)
- **Regional Water Reliability/Long-term sustainability**
- **Health of the Bay and Creeks** (Water quality and biota)
- **Sediment Management**
- **Invasives Management**
- **Riparian and Fisheries Restoration**
- **Protection of Water Source Areas**

Regional project submittals will be considered that best address the priority regional needs at the regional scale. See more detailed screening criteria for each category of need below under "Criteria for Priority Needs."

***In addition, all regional concept proposals will have to adequately address each of the following factors to be further considered for inclusion in a regional application:***

1. ***Inclusion in the 2013 Bay Area IRWM Plan:*** Projects must either be included in the current BAIRWM plan ([www.bairwmp.org](http://www.bairwmp.org)) or must be submitted for inclusion in the Plan. Proponents must indicate the status of their submittal (currently in plan, in plan with new modifications, new submittal), and should specify how their project addresses the Goals and Objectives of the new plan (See Chapter 3 of the BAIRWM Plan). Proponents who indicate their projects are being modified or are new to the plan will be further notified about the process for plan updates/submissions.

2. **Readiness to proceed:** Projects must be able to proceed to implementation within the timeframe of the Round 3 grant. Funds are not expected to become available until 2016 and generally must be expended within 5 years. Proposals must indicate status and proposed timing of any preliminary designs, environmental documentation, engineering and final design, and permitting that may apply.
3. **25% upfront Match:** Projects must be able to demonstrate that a minimum of 25% in non-state match is committed to the project and can be spent in advance of receiving grant reimbursement from DWR.<sup>1</sup> Projects whose primary benefit is to a Disadvantaged Community may qualify for a match waiver, however must specify the geography (city, census tract, zip code, etc.) and corresponding income by census data or income survey to qualify as a DAC project and for a match waiver.
4. **Defines Physical Benefits:** Proponents must be able to clearly define the physical benefits of a project, as defined in the DWR PSP. Proposals must provide clear and appropriate metrics of the physical benefits that the project will provide.
5. **Benefit/Cost Analysis:** Proposals should estimate how good a ratio could be provided and using what basis (either relate to similar projects or provide evidence). All proposals that move forward must be able to provide a rigorous Benefit/Cost Analysis (See Exhibit D in the DWR PSP and “Additional Resources” below).
6. **Cash for Consultant:** Project proponents will be required to contribute to application preparation costs, which have ranged in the past between \$10,000-\$25,000 per project, depending on scale. Proponents must indicate their ability to pay an equitable share of a regional application.
7. **Regional Collaboration:** Proposals must demonstrate the support of relevant participants in region, their consistency with the priorities of regional plans, and degree of fit with established regional frameworks (such as the Baylands Ecosystem Habitat Goals, Comprehensive Conservation and Monitoring Program, TMDL Implementation, etc.).
8. **Multi-objective – Achieves Multiple Benefits:** Cross functional projects are preferred and the degree to which up-front integration of different IRWM functional categories (See Chapter 1.2.4 in the BAIRWM Plan) has occurred should be discussed.
9. **Amount of Grant Request:** No maximum request is currently set but projects may be required to scale downward should the funding made available to the region be reduced. Please describe the scalability of your proposal. No firm minimum has been set, however the Coordinating Committee is targeting regional projects of \$5 million and above.

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<sup>1</sup> Match is typically eligible for a period of time prior to grant award, often as early as the date of funding appropriation to DWR.

**10. Regional Impact/Effect:** Proposals must clearly describe how a project is regional in scope, and how it serves a greater than local need. How geographically extensive are the benefits of the project? Include a description of project monitoring and evaluation of project goals.

### **Criteria for Priority Needs**

Proposals must specify which priority need or needs they meet, and the degree to which they address the criteria below (or can provide the metric referenced) for each priority they cite. These screening criteria are not intended as individual scoring factors; they are intended to illustrate the breadth and intended focus of each category. Projects will not be evaluated exclusively by how many criteria they meet, but by how well they address the intent and substance of each priority regional need. The CC will be determining and releasing specific scoring criteria prior to selecting regional and subregional projects for a second call in summer 2014.

### ***Climate Change***

*These projects should address the effects of climate change on the region's water resources.*

*Proposals should specify degree to which:*

- Project is based on vulnerability or risk assessment,
- Program enhances region's ability to address climate change impacts,
- Proposal demonstrates innovation based on an evaluation of adaptive options (not business as usual),
- Projects or programs are adaptive to climate changes (Project or program responds to climate change through adaptive management),
- Ecosystem enhancement is included (where appropriate),
- Greenhouse gas (GHG) reduction is achieved (where appropriate), especially regarding projects that achieve energy reduction and/or carbon sequestration.

### **Additional desirable characteristics for Enhanced Weather Management Projects include:**

- Project provides more precise information on the timing, location, amount and duration of extreme rain events,
- Project designed to be useful for flood, reservoir, and wastewater management.

### **Additional desirable characteristics for Shoreline Sustainability Projects include:**

- Project demonstrates an ability to reduce shoreline vulnerability to climate change, addressing potential future sea level rise and documenting metrics of benefit such as economic, habitat or wildlife damages or losses avoided, length of shoreline protected, and/or reduction in frequency of levee topping,
- Project contributes necessary data, analysis or proof of concept for development of climate adaptation strategies relevant at the regional scale,



- Project re-uses wastewater or sediment as a resource or for wetlands enhancement.

### ***Reinforce/Enhance Water Supply Capacity (Desalination, Infiltration, Interties)***

*These projects should support creating additional water supply for the Region.*

*Proposals should specify quantity, if any, of:*

- Acre-feet (AF) additional water supply to Region (e.g., desalination, imports via wheeling & interties, recycled water offset of potable supplies),
- AF additional infiltration in Region (e.g., recycled water for recharge, stormwater infiltration),
- New interties (and/or miles of connecting supply lines) with potential to provide X AF additional potable water to Region,
- AF additional storage within or connected to Region.

### ***Regional Water Reliability/ Long-term Sustainability***

*These projects should support increasing water supply reliability within the Region by adding distribution options or otherwise adding flexibility for use or conveyance of existing (and/or new) supplies.*

*Proposals should specify quantity, if any, of:*

- Acre-feet (AF) additional water supply NOT from Delta sources (e.g., desalination, imports via wheeling & interties, recycled water offset of potable supplies),
- AF additional infiltration in Region (e.g., recycled water for recharge, stormwater infiltration),
- AF additional storage within or connected to Region,
- New interties (and miles of connecting supply lines) with potential to provide X AF capacity to redistribute existing supplies within Region,
- New interties (and/or miles of connecting supply lines) with potential to provide X AF additional potable water to Region and/or additional flexibility amongst water agencies within Region,
- Reduction in energy required for production and/or distribution of AF potable or recycled water,
- Energy produced or saved from waste,
- AF of conservation savings.

### ***Health of the Bay and Creeks***

*These projects should:*

- Protect, restore and rehabilitate watershed and bay processes,
- Maintain health of watershed vegetation, land cover, natural stream buffers and floodplains to improve filtration of point and nonpoint source pollutants,

- Minimize point-source or non-point source pollution; in particular improving conditions that have led to a 303D listing/TMDL for a watershed,
- Control erosion and sedimentation,
- Improve floodplain connectivity, and/or
- Improve infiltration capacity.

*Proposals should (where applicable) specify quantity of:*

- Amount of Nitrogen/nutrient removal – lbs removed,
- Amount of first flush stormwater treated or diverted,
- Gallons of discharge diverted from Bay – including amount reused,
- Pollutant reduction to address TMDLs or 303D Listing.

### ***Sediment Management***

*These projects should:*

- Address conflicting goals with sediment management (e.g., impact to water quality and/or habitat management),
- Provide a beneficial reuse of sediment or solids in lieu of disposal.

*Projects are further encouraged to:*

- Be part of a sediment management program that addresses long-term maintenance goals,
- Identify the incremental costs of reuse over disposal and weighs the benefits over the impacts.

### ***Invasives Management***

*These projects should:*

- Address an invasive species that is present in more than one subregion,
- Employ top-down watershed approaches to eradicating the invasive species (headwaters or first occurrence locations are addressed first), where applicable, and
- Address how the site will be managed in the future.

*Projects are further encouraged to:*

- Be adaptive to climate changes (Project or program responds to climate change through adaptive management),
- Include ecosystem enhancement (where appropriate).

### ***Riparian and Fisheries Restoration***

*These projects should improve riparian and fisheries resources of regional significance, and should:*

- Rely on proven designs/methodologies,

- Address known limiting factors or threats (e.g., identified fish passage barrier, water quality impairment such as temperature or sedimentation, low flow resulting from over-allocation, or habitat deficiency like substrate or cover),
- Affect substantial area of high quality or potential high quality habitat in manner consistent with ecological principles (e.g., favors native assemblage, leads to improved match with natural hydrograph, creates long-term channel stability and function, etc.),
- Include metrics of habitat improvements for specific priority habitats/species (miles of upstream habitat opened, % percent riparian cover established, etc.); for fisheries, addresses life stage concerns/population bottlenecks,
- Tie to explicit regional priorities,
- Include sufficient post-project monitoring and long term commitment to management.

### ***Protection of Water Source Areas***

*These projects should protect and/or enhance surface and groundwater source areas of regional significance. Proposals should:*

- Include conservation practices or land acquisition in a priority watershed serving multiple needs (habitat, water storage, groundwater recharge, etc.),
- For land conservation projects, establish permanency and/or site control,
- Include identified commitment to long term management,
- Include adequate baseline documentation and site management planning,
- Address public access needs and/or concerns.

### **Submittal Procedure**

#### **Dates**

All submissions must be received electronically by **5:00 p.m. PST on Monday, March 31<sup>st</sup>** at [projects@bairwmp.org](mailto:projects@bairwmp.org).

The IRWM Project Screening Committee will review submittals in anticipation of a call-back of top proposals in mid-summer 2014.

#### **Concept Submittals**

Proposals should include the following 5 components (*please do not include additional materials beyond these, including via web links, etc.*):

**Applicant Info:** *Maximum ½ page.* Specify lead applicant organization and address, including a primary proposal contact name, email and phone. List names of any partnering organizations.

**Project Narrative:** *Maximum of 5 pages.* Address all factors and any relevant criteria as specified above. Include whether the project is listed in the 2013 IRWMP, and if so, what modifications are being made to the project as listed (if any). Font for narrative text should be no smaller than 11 pt.

**Preliminary Budget:** *Maximum 1 page.* Break down by key project elements and include proposed and secured matching funding sources.

**Timeline:** *Maximum 1 page.* Include milestones for design, CEQA and permitting.

**Background documents:** *Maximum 3 pages.* Include map(s) or photos that illustrate the site and areas of influence for the project.

### Eligible Applicants

Proponents must be able to satisfy all criteria for inclusion in a regional application per the DWR Guidelines and eventual Round 3 PSP. See Section III of the Guidelines for more detail. Local public agencies and non-profit organizations, as defined in the Guidelines, may serve as the regional applicant, and other IRWM stakeholder or partner entities, as defined in CWC§10541(g), may be part of the proposal as a project proponent and access grant funding through their relationship with the applicant, at DWR's discretion.

### Eligible Project Locations

IRWM Regions and Funding Areas are based on hydrological watersheds rather than city/county boundaries. In the Bay Area, the Funding Area described in Proposition 84 and the San Francisco Bay Area IRWM Region is coterminous, including all or part of nine counties and 110 cities. The counties include San Francisco, and parts of San Mateo, Santa Clara, Alameda, Contra Costa, Solano, Napa, Sonoma, and Marin. The [specific geographic extent of the Bay Area IRWMP](#) is based on the boundary of the San Francisco Bay Regional Water Quality Control Board Region 2.

Projects proposed for inclusion in a regional application must be within the region and/or bring plan-specified benefits to the region (see Guidelines Section III C.2).

### Questions

For all inquiries, contact [projects@bairwmp.org](mailto:projects@bairwmp.org).

### Additional Resources

Example Bay Area Applications:

<http://bairwmp.org/prop84-imp-rnd1/submitted-to-dwr>

<http://bairwmp.org/prop84imprnd2>

NBWA Benefit/Cost Manual:

[http://nbwatershed.org/library/NBWA\\_Handbook\\_2012-1221.pdf](http://nbwatershed.org/library/NBWA_Handbook_2012-1221.pdf)