

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

Monday, March 23, 2015

Novato Sanitary District, 500 Davidson Street, Novato, CA 94945

Agenda

For Consultants not able to attend in person - 1-866-906-7447, passcode 2428170#

9:30 a.m.

	1.		Call to Order and Self Introductions
Page 1	2.	Action	Approval of Agenda
	3.		Public Comments
Pages 2 – 3	4.	Action	Consent Items a. January 26, 2015 TAC Meeting Minutes
Pages 4 – 5 Pages 6 – 15 Page 16	5.	Information	Report from the Program Manager a. Consultant Progress Reports – January and February 2015 b. Action Items from January 26, 2015 Meetings
Pages 17 – 24	6.	Information	Financial Report for the Period Ending February 28, 2015
Pages 25 – 29	7.	Action	Budgets, Member Agency Cost Allocations, and Scopes and Costs for FY2014/15, FY2015/16, and FY2016/17
Pages 30 – 48	8.	Information	Phase 2 Status Report – Member Agency Projects Review, Appraisal Level Cost Estimate, Feasibility Study Report
	9.	Discussion	Request from City of American Canyon to join NBWRA to participate in Phase 2
	10.	Information	Program Development / Federal Advocacy Update / State Advocacy Update
	11.	Information	Outreach Program Report
	12.	Information	Status of WaterSMART Grants and Applications
Pages 49 - 61	13.	Action	Proposition 84 – Integrated Regional Water Management Program Update and Status
	14.	Information	Items from Committee, Agency Staff, or Consultants
	15.	Information	Items for Next Agenda (April 27, 2015 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
Meeting Minutes
January 26, 2015**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 11:26 a.m. on Monday, January 26, 2015. The meeting was held at Sonoma County Water Agency, 404 Aviation Boulevard, Santa Rosa, CA. For consultants and others not able to attend in person a conference call number was available, 1-866-906-7447, passcode 2428070#.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Grant Davis	Sonoma County Water Agency
Pam Jeane	Sonoma Valley County Sanitation District
Sandeep Karkal	Novato Sanitary District
Drew McIntyre	North Marin Water District
Phillip Miller	Napa County
Dan St. John	City of Petaluma

Others Present

Chuck Weir, Program Manager	Weir Technical Services
Kevin Booker	Sonoma County Water Agency
Ginger Bryant	Bryant & Associates
Jenny Gain	Brown and Caldwell
Jason Holley	City of American Canyon (via telephone)
Mark Millan	Data Instincts
Mike Savage	Brown and Caldwell
John Schoonover	North Marin Water District
Jake Spaulding	Sonoma County Water Agency
Dawn Taffler	Kennedy Jenks Consultants
Jeff Tucker	Napa Sanitation District
Leah Walker	City of Petaluma

2. Approval of the Agenda

The TAC unanimously approved the agenda as presented.

3. Public Comments

There were no public comments.

4. Consent Calendar

4.a December 15, 2014 TAC Meeting Minutes

The December 15, 2014 TAC Meeting Minutes were unanimously approved as presented.

5. Report from the Program Manager

The Report from the Program Manager included the following items:

5.a Action Items from the December 15, 2014 Meeting

The TAC reviewed the Action Item List and noted that all items were current.

6. Summarize Board Meeting and List Action Items

Items for the next agenda include: 1) an updated 2014 Recycled Water Report using a standard format and adding flow discharged to receiving waters, and 2) draft FY2015/16 Budget.

7. Request from City of American Canyon to join NBWRA to Participate in Phase 2

Jason Holley discussed a tech memo that is in development that describes a possible storage project at Jameson Ranch in conjunction with Napa San. The tech memo should be available shortly. It will be reviewed by Tim Healy and then forwarded to the Program Manager. As an action item, the program Manager and consultant team will review the project and determine possible Feasibility Study scope and budget impacts. If necessary, a TAC conference call meeting will be scheduled prior to the March 23, 2015 meeting to resolve any issues such that a draft budget can be presented to the TAC in March.

8. Possible Change in Dates of September 28, 2015 TAC and December 21, 2015 Board/TAC meetings

Following discussion, as an action item, the TAC approved dates as follows: September 21, 2015 TAC meeting and December 14, 2015 Board/TAC meetings.

9. Items from Committee, Agency, Staff, or Consultants

There were no additional items discussed.

10. Items for Next Agenda, March 23, 2015 at Novato Sanitary District

Action items included the following:

1. Update the 2014 Recycled Water Report
2. Draft FY2015/16 Budget
3. Resolve the City of American Canyon Phase 2 Project issue. This may require a special TAC meeting conference call prior to the March 23, 2015 meeting.
4. Rescheduled meeting dates include: September 21, 2015 TAC meeting and December 14, 2015 Board/TAC meetings.

There being no further business, Chair Healy adjourned the meeting at 11:53 a.m.

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Agenda Explanation
 North Bay Water Reuse Authority
 Board of Directors
 March 23, 2015

ITEM NO. 5 REPORT FROM THE PROGRAM MANAGER

The Report from the Program Manager includes the following items:

5.a Consultant Progress Reports

Consultant Progress Reports for January and February 2015 are attached for the TAC's information. The reports have also been sent to the Board of Directors.

5.b Action Items from January 26, 2015 Meetings

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

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

6. Financial Report for the Period Ending November 30, 2014

The Consultant Cost Tracking for the period ending February 28, 2015, Item No. 6.a is attached for the TAC's review. Costs are shown for Phase 1 Support, Phase 2 Support, Phase 2 Feasibility Study, Joint Use, and Total Costs. Only the most current three month's expenses are shown in an effort to make the form easier to read. The totals include all expenses to date.

Financial Reports maintained by Sonoma County Water Agency include the following:

Item No. 6.b, Monthly Project Cost Summary as of March 18, 2015

Item No. 6.c, 2014/15 Budget Allocations

Item No. 6.d, Transaction Summaries as of March 18, 2015 for Phase 1, Phase 2, and Joint Use.

Item No. 6.e, Interest earned as of March 18, 2015

7. Budgets and Member Agency Cost Allocations and Scopes and Costs for FY2014/15, FY2015/16, and FY2016/17

Please refer to the separate Agenda Item.

8. Phase 2 Status Report

Brown and Caldwell will provide a presentation and lead a discussion on the Phase 2 Status Report. The main topics to be covered include: Member Agency Projects Review, Appraisal Level Cost Estimate, and Feasibility Study Report.

9. Request from City of American Canyon to join NBWRA to participate in Phase 2

There is no news on this issue at this time. Unless something changes, it will not be included in future agendas.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
March 23, 2015

10. Program Development / Federal Advocacy Update / State Advocacy Update

Ginger Bryant and Pilar Oñate-Quintana will provide a updates for the TAC.

11. Outreach Program Report

Mark Millan will provide an update. Recently completed videos will be shared with the TAC

12. Status of WaterSMART Grants and Applications

Participants will provide updates.

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

Please refer to the separate Agenda Item.

**North Bay Water Reuse Authority
Program Development, Federal and State Advocacy
Monthly Activity Summary's**

Bryant & Associates/Program Development Services

January 2015 Activity Summary

- Participated in Consultant Team Planning Call
- Worked with Data Instincts team on revising the NBWRA brochures and new videos for use in Washington DC meetings
- Prepared for and attend Board and TAC meetings in Santa Rosa
- Coordinated with Pilar Onate-Quintana on Capitol Day planning and issues for water bond grant criteria
- Participated in USBR grant management tour with Reclamation reps Nichole Johnson and Dean Apostol and BLM rep Tom Meagher
- Emailed TAC on possible additional USBR Drought Mitigation funding as a result of 2015 budget language
- Activities in coordination with The Ferguson Group:
 - Planned February Washington DC trip with the Ferguson Group
 - Held trip briefing call with Sup. Rabbitt, Grant Davis and Brad Sherwood

The Ferguson Group/Federal Advocacy Services

December 2014 Activity Summary

- **Issues Associated with the Authorization of Phase 2.**—TFG continued its work to address questions raised by the Department of the Interior (DOI) regarding the underlying budget authority of Phase 2. TFG worked with the offices of Reps. Thompson and Huffman and Senator Feinstein as well the House and Senate Committees on Appropriations regarding the proposed legislative fix to concerns raised by DOI regarding the budget authority of Phase 2. While the proposed language was not approved as part of the CR/Omnibus appropriations bill for FY 2015, significant progress was made in identifying the solution to DOI's concerns and to building support for addressing the concerns at the earliest possible date.
- **Fiscal Year 2015 Appropriations.**—TFG continued its work to build support for the Senate Energy and Water Development Appropriations report language providing more funding for Title XVI and promoting regional study grants for Title XVI projects. While the Senate draft Energy and Water Development Appropriations bill included \$24.5 million for Title XVI projects, \$3.5 million above the President's budget request, as well as \$65,000,000 for WaterSMART grants, \$46 million above the President's budget request, the final bill included the budget request for Title XVI, \$21 million, and \$50 million for drought-relief projects in the West. The Bureau of Reclamation is still determining exactly how these extra funds will be allocated, whether through an allocation of funds to specific projects or activities or whether they will create a new opportunity for WaterSMART competitive grant funds, or a combination of the two ideas. Both of these allocations will create an opportunity for funding for the North Bay program in FY 2015.

While the Senate Energy and Water Development Appropriations bill included strong direction to the BoR in support of regional water reuse projects, that language was not adopted as part of the final bill because the Senate had not formally adopted its report.

The Senate continues, nonetheless, to be a strong supporter of the large-scale, regional water reuse programs, like the North Bay program. Specifically, the Senate report says:

WaterSmart Program, Title XVI Water Reclamation/Reuse Projects.—The Committee believes there is an opportunity to enhance the program’s effectiveness through the advancement of regional-scale projects that include multiple jurisdictions and generate environmental, as well as water supply benefits to be competitive. These regional projects can require longer planning and construction timeframes than other more narrowly focused projects. Accordingly, the Committee believes that the Bureau of Reclamation should consider allocating a portion of the funds within the overall title XVI program in future budget requests for advancing regional-scale water reclamation and reuse projects by providing planning and construction assistance grants that can each be used over longer periods of time. The planning assistance should be cost shared on a 50 percent federal cost share basis, for planning associated with authorized title XVI projects.

January 2015 Activity Summary

- **Preparing for DC Trip.**—TFG worked to prepare for the DC trip by representatives of the North Bay Water Reuse Authority (Authority) in early February. TFG worked with Ginger Bryant to prepare the agenda and supporting materials for the meetings as well.
- **TITLE XVI Feasibility Study FOA.**—TFG’s work with the Authority to secure greater flexibility from Reclamation in the feasibility study FOA for unauthorized Title XVI projects was successful. The FOA Reclamation released on January 13, 2015 included the reforms requested by the Authority. Most notably, Reclamation removed any requirement that the \$450,000 provided for in the FOA for Title XVI feasibility studies be allocated in equal increments of \$150,000 over three years. The FOA will permit Reclamation, as needed, to allocate the awarded funds over a period of two years, as the Authority requested. The FY 2015 FOA also does not require that a project sponsor certify that the project is not authorized for construction under Title XVI, as a prerequisite for the award of funds under the FOA.
- **WIFIA, EPA Listening Sessions.**—TFG prepared a summary of the new Water Infrastructure Finance and Innovation Act (WIFIA) for the Authority’s Board. TFG also prepared a summary of the listening sessions that EPA held around the country on the WIFIA legislation.
- **Budget Authority for Phase 2.**—TFG continued to work on the strategy to amend the existing Title XVI authorization to clarify Reclamation’s budget authority and ability to participate in the construction of Phase 2 of the Authority’s project.
- **Fiscal Year 2015 Appropriations.**—TFG continued its work to help build support for increased Reclamation investments in WaterSMART to support Title XVI projects. TFG worked to urge Reclamation to set aside a portion of the extra \$50 million allocated to drought relief efforts to Title XVI projects, both unauthorized and authorized projects.

The Oñate Group/State Advocacy Services

December 2014 Activity Summary

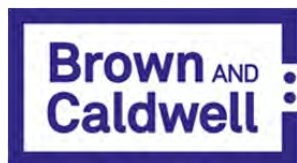
- Monitored/forwarded information regarding the potential ACWA/Irvine Ranch recycled water-related legislation for 2015 and participated in ACWA-coordinated call. Conducted follow up coordination with SCWA staff.
- Worked with federal/state affairs manager and NBWRA staff to continue planning for a

March 4, 2015 “NBWRA day in Sacramento.”

- Continued monitoring discussion re: potential water bond implementation, etc.

January 2015 Activity Summary

- Monitored/forwarded information regarding the Irvine Ranch recycled water-related legislation for 2015 and participated in ACWA-coordinated calls. Conducted follow up coordination with SCWA staff – especially with respect to potentially problematic language pertaining to maximization of recycled water storage.
- Worked with federal/state affairs manager and NBWRA staff to continue planning for a March 4, 2015 “NBWRA day in Sacramento.” Distributed meeting requests to NBWRA-area legislators and WaterReuse representative.
- Continued monitoring discussion re: water bond implementation, etc. Sent NBWRA a summary of Governor’s bond proposal for Proposition 1 expenditures.
- Provided state advocacy-related update slides for purposes of January board meeting.
- Participated in ACWA and WaterReuse January legislative committee meetings.



AGREEMENT FOR ENGINEERING, ENVIRONMENTAL, AND PUBLIC OUTREACH SERVICES FOR NORTH BAY WATER REUSE AUTHORITY

ACTIVITIES: DECEMBER 26, 2014 THROUGH JANUARY 22, 2015

TASK 1 WORKSHOPS/PUBLIC OUTREACH/MANAGEMENT

1.1 Workshops

- Prepared presentation and materials for Board Workshop and TAC meeting

1.3 Public Involvement

- Phone calls with project team members for collaboration on preparation of upcoming TAC & Board Workshop and Meetings.
- Updating and maintaining relevant program content and news articles on project web site
- Provide project information to Board & TAC members as requested
- Develop and refine draft outlines for a series of 5 videos for supporting NBWRA funding efforts and to post to project website. Draft scripts for video interviews, coordinate logistics, scheduling for Jan. 26 video shooting.
- Update project web site for capability to meet 508 requirements.
- Set schedule and make preparations for second Video shoot for Jan. 26. Notify and prep participants. Participate in filming and film interviews.
- Reregister NBWRA.org & NBWRA.com with Sonic.net

1.4 Administration

- Performed project invoicing and developed activities report

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

Member Agency Meetings

- Conference calls with Member Agencies to review Member Agency comments
- Developed final list of projects for Feasibility Level study

The Member Agency materials provide information for:

- Task 2.2 Statement of Problems /Needs
- Task 2.3 Water Reclamation/Reuse Opportunities
- Task 2.4 Analysis of Alternatives

TASK 3 ENVIRONMENTAL EVALUATION

3.1 Environmental Constraints Analysis

- No Activity

3.2 Environmental Compliance – NEPA/CEQA

- No Activity

TASK 4 FINANCIAL CAPABILITIES DETERMINATION

- No Activity

TASK 5 PHASE 2 GRANT APPLICATION AND MANAGEMENT

- No Activity

TASK 6 PHASE 1 SERVICES

6.1 Program Support and Coordination

- No Activity

6.2 State Grant Support

- No Activity

6.3 Federal Grant Support

- Preparing GIS basemaps documenting Phase 1 project status, changes to date, and anticipated changes

Additional Services

- No Activity

Weir Technical Services
Program Management Services for North Bay Water Reuse Authority (FY 2014/2015, FY
2015/2016, FY 2016/2017)
Sonoma County Water Agency Order Number 7630A1

January 2015 Progress Report

2.1 Task 1: Authority Board of Directors (Board) and Technical Advisory Committee (TAC) Meeting Management

- Sent heads up email regarding change in location for January 2015 Board and TAC meetings. Sent follow up Outlook appointment and tracked responses.
- Reviewed and responded to emails with TAC members regarding 2015 Board membership.
- Participated in Water Bond Coalition activities including email review, conference call, and doodle polls.
- Planned, prepared and distributed January 26, 2015 Board and TAC Agenda packets. Converted agenda coversheets into ADA compliant documents for posting on website.
- Attended January 26, 2015 Board and TAC meetings at Agency Offices in Santa Rosa.
- Reviewed news articles distributed by Outreach consultant.
- Updated contact list.
- Reviewed emails from consultants and organizations on various subjects related to advocacy and funding options.

2.2 Task 2: Financial Management

- Updated consultant cost tracking files and reconciled costs with Agency spreadsheet.

2.3 Task 3: Project Support and Review

- Drafted 2014 Recycled Water Report per Board member request. Revised same with updated information on two separate occasions. Responded to questions and comments via email. .

2.4 Task 4: Program Planning

- Prepared and submitted December 2014 invoice and progress report and updated tracking files.

2.5 Task 5: Governance Issues

- Reviewed and responded to emails regarding possible City of American Canyon storage project as part of Phase 2.

**North Bay Water Reuse Authority
Program Development, Federal and State Advocacy
Monthly Activity Summary's**

Bryant & Associates/Program Development Services

February 2015 Activity Summary

- Worked with Data Instincts team on new videos for website
- Coordinated with Pilar Onate-Quintana and Mark Millan on materials and talking points for Capitol Day office visits
- Activities in coordination with The Ferguson Group:
 - Planned and attended Washington DC trip Feb 2-5
 - Coordinated on 2016 Appropriations Requests
 - Coordinated on ACWA Federal Affairs meeting request
 - Worked on DC trip outcomes/prepared draft proposals for planning call scheduled for March 9

The Ferguson Group/Federal Advocacy Services

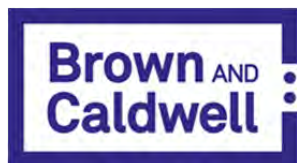
February 2015 Activity Summary

- **Washington DC Trip**
 - Worked with Ginger Bryant to prepare the agenda and supporting materials for the Washington meetings:
 - The Phase 2 budget authority fix that has been negotiated with the Bureau of Reclamation and the Department of the Interior's solicitor's office,
 - Requested \$31 million for FY 2016 appropriations for Title XVI, \$10 million above the president's budget request of \$21 million,
 - Advocated for the Reclamation Infrastructure Finance and Innovation Act (RIFIA), as part of any west-wide drought relief legislation,
 - Expanding WaterSMART grant opportunities to support storage and integrated regional water management as part of any west-wide drought relief legislation,
 - Creating a new NRCS-Reclamation-wide program based on the Cal-Fed Agricultural Water Conservation and Efficiency Grants program and,
 - Initial funding for the new EPA Water Infrastructure Finance and Innovation Act (WIFIA) authorized in last year's Water Resources Reform and Development Act.
- Followed up on the meeting outcomes, including refining proposals to support federal financing and additional grant funding opportunities for water storage associated with Phase 2.

The Oñate Group/State Advocacy Services

February 2015 Activity Summary

- Conducted calls/communications with NBWRA consultants and staff to prepare for all elements of March 4 NBWRA Capitol Day
- Confirmed meetings with legislators, SWRCB staff, WaterReuse director etc
- Coordinated with NBWRA Outreach and Program Development consultants re: development of a 1-pager pertinent to California issues for Capitol Day office visits
- Sent updates to NBWRA Capitol Day participants
- Participated in WaterReuse legislative/regulatory committee meeting on February 27
- Monitored updates and discussions re: potential IRWD legislation re: storage



AGREEMENT FOR ENGINEERING, ENVIRONMENTAL, AND PUBLIC OUTREACH SERVICES FOR NORTH BAY WATER REUSE AUTHORITY

ACTIVITIES: JANUARY 23, 2015 THROUGH FEBRUARY 19, 2015

TASK 1 WORKSHOPS/PUBLIC OUTREACH/MANAGEMENT

1.1 Workshops

- Attended and presented at the Board Workshop and TAC meeting

1.3 Public Involvement

- Phone calls with project team members for collaboration on preparation of upcoming TAC & Board Workshop and Meetings.
- Attend Board & TAC meetings.
- Updating and maintaining relevant program content and news articles on project web site
- Provide project information to Board & TAC members as requested
- Edit a series of videos for supporting NBWRA funding efforts and post to project website. Coordinate with video production crew and Bryant.
- Prepare materials and participate in legislative briefing efforts in DC Feb 2-5
- Prepare and ship materials for legislative briefing efforts in Sacramento for March 4th

1.4 Administration

- Performed project invoicing and developed activities report

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

- Correlate Phase 2 Scoping Study information to current projects to initiate Appraisal level analysis of projects and costs
- Contact with Member Agencies to refine project descriptions
- Review Phase 1 and Phase 2 Scoping level cost information to formulate updated cost curve information
- Collect and analyze Phase 1 bid costs from Member Agencies

The Member Agency materials provide information for:

- Tasks 2.2 Statement of Problems /Needs
- Task 2.3 Water Reclamation/Reuse Opportunities
- Task 2.4 Analysis of Alternatives

TASK 3 ENVIRONMENTAL EVALUATION

3.1 Environmental Constraints Analysis

- No Activity

3.2 Environmental Compliance – NEPA/CEQA

- No Activity

TASK 4 FINANCIAL CAPABILITIES DETERMINATION

- No Activity

TASK 5 PHASE 2 GRANT APPLICATION AND MANAGEMENT

- Formulated application and prepared draft and final application for Phase 2 WaterSMART Study Grant

TASK 6 PHASE 1 SERVICES

6.1 Program Support and Coordination

- No Activity

6.2 State Grant Support

- No Activity

6.3 Federal Grant Support

- Preparing GIS basemaps documenting Phase 1 project status, changes to date, and anticipated changes

Additional Services

- No Activity

Weir Technical Services
Program Management Services for North Bay Water Reuse Authority (FY 2014/2015, FY
2015/2016, FY 2016/2017)
Sonoma County Water Agency Order Number 7630A1

February 2015 Progress Report

2.1 Task 1: Authority Board of Directors (Board) and Technical Advisory Committee (TAC) Meeting Management

- Drafted Board and TAC minutes from January 25, 2015 meetings. Revised based on comments received. Finalized October and December 2014 Board and TAC minutes and made fully ADA compliant. Forwarded same to Outreach consultant for website posting.
- Participated in Water Bond Coalition conference call; reviewed meeting summary; reviewed emails regarding legislative activity.
- Reviewed news articles distributed by Outreach consultant.
- Reviewed emails from consultants and organizations on various subjects related to advocacy, including NBWRA Day in Sacraments, and funding options.

2.2 Task 2: Financial Management

- No tasks were performed during this period.

2.3 Task 3: Project Support and Review

- Reviewed member agency Phase 2 project status.
- Reviewed NBWA meeting minutes and forwarded based on Direct Potable Reuse discussion.
- Reviewed WaterSMART Feasibility Study Grant Application submittal packet.

2.4 Task 4: Program Planning

- Prepared and submitted January 2014 invoice and progress report and updated tracking files.
- Worked with Agency staff to resolve Form 1099 discrepancy.

2.5 Task 5: Governance Issues

- Reviewed and responded to emails regarding possible City of American Canyon storage project as part of Phase 2.

NBWRA Board and TAC Short-Term Action Item List

Meeting Date: January 26, 2015

Task	Responsible Party	Due Date	Status	Completion Date
Submit application for 2015/16 WaterSMART Phase 2 Feasibility Study	B&C, Bryant, SCWA, TAC	TBA	Application will be for \$450,000 and will not include TBL or environmental work at this time. Application submitted.	2/27/2015
Finalize List of Phase 2 Projects for Feasibility Study	Board, TAC, Consultants	1/26/2015	Completed with minor changes for Petaluma. Status report to be provided to TAC on March 23, 2015.	1/26/2015
Address possible City of American Canyon Phase 2 Project	Holley, Healy, Consultants	2/28/2015	Possible TAC conference call meeting in February. No news from City of American Canyon. No action anticipated at this time.	3/19/2015
Add Phase 1 project costs to the Phase 1 project status report as a separate page.	Weir, Spaulding	4/15/2015	No new updates. To be included in April 2015 packet.	
Draft FY2015/16 Budget	Consultant team	4/15/2015	May include City of American Canyon. No changes to budget made. No additional agencies or projects at this time. Recommending same budget as approved last year with funding for FY15/16 only.	
Develop a monthly report for recycled water production/delivery by agency.	Weir/TAC	3/15/2015	2014 Water Recycling Report included in January 26, 2014 Board packet. Board requested adding flow to receiving waters showing "lost water". TAC to standardize format to extent practicable. No new information at this time	
Reschedule September and December 2015 meetings	Weir/TAC	1/26/2015	Completed. TAC on September 21, 2015; Board/TAC on December 14, 2015.	1/26/2015
Consultants begin ensuring that all documents added to the website meet accessibility standards.	Weir/B&C/Bryant/SCWA	11/30/2014	Only compliant documents now added to website. Currently this has limited documents to Agenda cover sheets and minutes. Requires additional research and effort to implement for presentations and complex reports.	Ongoing
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

North Bay Water Reuse Authority

March 19, 2015

Consultant Cost Tracking

Fiscal Year 2014/15 through Fiscal Year 2016/17

Only FY2014/15 has been approved	Dec-14	Jan-15	Feb-15	FY14/15 YTD	Amount Remaining	Percent Remaining	Approved 5/19/14	Proposed	Proposed	Proposed
							FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 1 Support										
Grant Applications and Management - CDM Smith	2,950	-	-	7,422	42,260	33.81%	125,000	-	-	-
Grant Applications and Management - B&C	9,755	6,232	2,348	26,628	46,000	63.34%	72,628	77,998	46,993	197,619
Program Development (40% of \$190,200 total) - Bryant	6,126	6,060	7,072	50,401	25,679	33.75%	76,080	76,080	76,080	228,240
Federal Advocacy (30% of \$88,000 total) - TFG sub to Bryant	2,040	2,040	1,976	16,950	9,450	35.80%	26,400	26,400	26,400	79,200
Total Costs for Phase 1 Support	20,870	14,332	11,395	101,401	81,129	46.33%	175,108	180,478	149,473	505,059

Note: CDM Smith has an agreement for \$125,000 that spans more than one fiscal year and runs through June 30, 2015.

Phase 2 Support							FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$190,200 total) - Bryant	9,189	9,091	10,502	75,538	38,582	33.81%	114,120	114,120	114,120	342,360
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	4,760	4,760	4,611	39,549	22,051	35.80%	61,600	61,600	61,600	184,800
Total Costs for Phase 2 Support	13,949	13,851	15,113	115,087	60,633	34.51%	175,720	175,720	175,720	527,160

Phase 2 Feasibility Study - Three Years							FY2014/15	FY2015/16	FY2016/17	3-Year Total
Engineering, Environmental, and Outreach Services - B&C	21,519	17,687	46,885	213,404	609,931	74.08%	823,335	931,636	1,063,789	2,818,760
SCWA Administration - Grants and EIR/EIS	1,080	372	-	1,452	115,384	98.76%	116,836	132,205	150,958	400,000
Total Costs for Study	22,599	18,059	46,885	214,856	725,315	77.15%	940,171	1,063,841	1,214,747	3,218,760
Total Costs for Phase 2	36,548	31,910	61,997	329,943	785,948	70.43%	1,115,891	1,239,561	1,390,467	3,745,920

Joint Use							FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Management - Weir	3,145	4,858	1,524	27,831	53,319	75.63%	70,500	75,500	75,500	221,500
State Advocacy - The Onate Group (Sub to Bryant)	3,000	3,000	3,000	24,000	12,000	33.33%	36,000	36,000	36,000	108,000
SCWA Administration	7,338	7,041	448	41,528	93,472	69.24%	135,000	135,000	135,000	405,000
Total Costs for Joint Use	13,482	14,899	4,972	93,358	158,792	65.75%	241,500	246,500	246,500	734,500

Note: Weir costs for July - September, \$10,650, are under prior agreement through Sept. 30, 2014.

Total Costs							FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	3,145	4,858	1,524	27,831	53,319	75.63%	70,500	75,500	75,500	221,500
Bryant & Associates	25,115	24,951	27,160	206,438	107,762	34.30%	314,200	314,200	314,200	942,600
Brown & Caldwell	31,273	23,918	49,233	240,032	655,931	73.21%	895,963	1,009,634	1,110,782	3,016,379
CDM Smith	2,950	-	-	7,422	42,260	33.81%	-	-	-	-
SCWA Administration	8,417	7,413	448	42,980	208,856	82.93%	251,836	267,205	285,958	805,000
Total Costs for NBWRA	70,900	61,141	78,364	517,281	1,025,868	66.94%	1,532,499	1,666,539	1,786,440	4,985,479

Note: CDM Smith costs not included in fiscal year totals as they were previously approved.

**North Bay Water Reuse Authority
Monthly Project Cost Summary
as of March 18, 2015**

TOTAL FY 14-15 PROJECT COSTS

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir Technical Services	87,411	-	87,411	87,411	(6,261)	81,150	6,261	26,307	54,843	67.6%
Planning, Engineering and Funding Management	CDM Smith	49,682	-	49,682	49,682	-	49,682	-	6,350	43,332	87.2%
Planning, Engineering and Funding Management	B&C	895,963	-	895,963	897,963	-	897,963	(2,000)	190,799	707,164	78.8%
Program Development and Federal Funding	Bryant & Associates	314,200	-	314,200	314,200	-	314,200	-	179,305	134,895	42.9%
SCWA Administration	SCWA	251,836	-	251,836	251,836	-	251,836	-	56,090	195,746	77.7%
Environmental Documentation, Permitting and Monitoring	ESA	6,741	-	6,741	6,741	-	6,741	-	-	6,741	100.0%
TOTAL BUDGET		\$ 1,605,832	\$ -	\$ 1,605,832	\$ 1,607,832	\$ (6,261)	\$ 1,601,571	\$ 4,261	\$ 458,851	\$ 1,142,720	71.3%

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

1. Contract from LFY expired 9/30/2014. \$6,261.10 released from encumbrance

2. \$2,000 added (per year for 3 years) for printing materials - Funds were added prior to agreement execution (funds are committed)

FY13/14 Agreement Rollovers

Project	Consultant	Original Budget	Amend	Carryover	Original Contract (remaining)	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
JU Program Management	Weir	16,911	-	16,911	16,911	-	16,911	-	10,650	6,261	37.0%
PH 1 Environmental Documentation, Permitting and Monitoring	ESA	6,741	-	6,741	6,741	-	6,741	-	-	6,741	100.0%
PH 1 Planning, Engineering and Funding Management	CDM Smith	49,682	-	49,682	49,682	-	49,682	-	6,350	43,332	87.2%
TOTAL BUDGET		\$ 73,333	\$ -	\$ 73,333	\$ 73,333	\$ -	\$ 73,333	\$ -	\$ 17,000	\$ 56,334	76.82%

1. Agreement terminated 9/30/2014 - \$6,261.10 released from encumbrance

2. Agreement extended through end of fiscal year - terminates 06/30/2015

3. Agreement extended through end of fiscal year - terminates 06/30/2015

Phase 1

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Grant Applications and Management	B&C	72,628	-	72,628	72,628	-	72,628	-	24,280	48,348	66.6%
Program Development & Federal Advocacy	Bryant & Associates	102,480	-	102,480	102,480	-	102,480	-	58,331	44,149	43.1%
TOTAL BUDGET		\$ 175,108	\$ -	\$ 175,108	\$ 175,108	\$ -	\$ 175,108	\$ -	\$ 82,611	\$ 92,497	52.82%

Phase 2

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Engineering, Environmental, and Outreach Services	B&C	823,335	-	823,335	825,335	-	825,335	(2,000)	166,519	658,816	79.8%
Program Development & Federal Advocacy	Bryant & Associates	175,720	-	175,720	175,720	-	175,720	-	99,974	75,746	43.1%
Administration - Grants and EIR/EIS	SCWA	116,836	-	116,836	116,836	-	116,836	-	3,659	113,177	96.9%
TOTAL BUDGET		\$ 1,115,891	\$ -	\$ 1,115,891	\$ 1,117,891	\$ -	\$ 1,117,891	\$ (2,000)	\$ 270,153	\$ 847,738	75.83%

Joint Use

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir	70,500	-	70,500	70,500	-	70,500	-	15,657	54,843	77.8%
State Funding / State Outreach	Bryant & Associates	36,000	-	36,000	36,000	-	36,000	-	21,000	15,000	41.7%
Admin Agency Services	SCWA	135,000	-	135,000	135,000	-	135,000	-	52,431	82,569	61.2%
TOTAL BUDGET		\$ 241,500	\$ -	\$ 241,500	\$ 241,500	\$ -	\$ 241,500	\$ -	\$ 89,088	\$ 152,412	63.11%

Total FY14/15 Budget for all Phases	1,532,499
Total including rollovers from FY13/14 & amendments	\$1,607,832

2014/15 Budget Allocations

PHASE 1										
as of May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District		
% Share of Benefit (3rd Amended MOU)		7.239%	31.894%	8.611%	27.473%	3.571%	3.571%	17.640%		
BUDGETED EXPENSE ITEM										
Grant Applications and Management - B&C	\$ 72,628	\$ 5,257	\$ 23,164	\$ 6,254	\$ 19,953	\$ 2,594	\$ 2,594	\$ 12,812		
Program Development (40% of total) - Bryant	\$ 76,080	\$ 5,507	\$ 24,265	\$ 6,551	\$ 20,901	\$ 2,717	\$ 2,717	\$ 13,420		
Federal Advocacy (30% of total) - TFG sub to Bryant	\$ 26,400	\$ 1,911	\$ 8,420	\$ 2,273	\$ 7,253	\$ 943	\$ 943	\$ 4,657		
Contingency - included in consultant costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
TOTAL CONSULTANT BUDGET	\$ 175,108	\$ 12,676.00	\$ 55,850.00	\$ 15,079.00	\$ 48,107.00	\$ 6,254.00	\$ 6,253.00	\$ 30,889.00		
PHASE 2										
'as of May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District
% Share of Benefit (3rd Amended MOU)		0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
BUDGETED EXPENSE ITEM										
Program Development (60% of total) - Bryant	\$ 114,120	\$ -	\$ 40,156	\$ 30,449	\$ 4,464	\$ 12,423	\$ -	\$ -	\$ 26,628	\$ -
Federal Advocacy (30% of total) - TFG sub to Bryant	\$ 61,600	\$ -	\$ 21,676	\$ 16,436	\$ 2,409	\$ 6,706	\$ -	\$ -	\$ 14,373	\$ -
Engineering, Environmental, and Outreach Services - B&C	\$ 823,335	\$ -	\$ 289,713	\$ 219,680	\$ 32,204	\$ 89,627	\$ -	\$ -	\$ 192,112	\$ -
SCWA Administration - Grants and EIR/EIS	\$ 116,836	\$ -	\$ 41,112	\$ 31,174	\$ 4,570	\$ 12,719	\$ -	\$ -	\$ 27,262	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CONSULTANT BUDGET	\$ 1,115,891	\$ -	\$ 392,656	\$ 297,738	\$ 43,647	\$ 121,475	\$ -	\$ -	\$ 260,375	\$ -
Joint Use										
as of May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District
% Share of Benefit (3rd Amended MOU)		12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
BUDGETED EXPENSE ITEM										
Program Management - Weir	\$ 70,500	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ -
State Advocacy - The Onate Group (Sub to Bryant)	\$ 36,000	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ -
SCWA Administration	\$ 135,000	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ -
Contingency - included in consultant costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CONSULTANT BUDGET	\$ 241,500	\$ 30,187	\$ 30,188	\$ 30,188	\$ 30,188	\$ 30,187	\$ 30,188	\$ 30,187	\$ 30,187	\$ -
Totals - As Budgeted										
Approved by Board May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District
Total Phase 1 FY13/14	\$ 175,108	\$ 12,676	\$ 55,850	\$ 15,079	\$ 48,107	\$ 6,254	\$ 6,253	\$ 30,889	\$ -	\$ -
Total Phase 2 FY13/14	\$ 1,115,891	\$ -	\$ 392,656	\$ 297,738	\$ 43,647	\$ 121,475	\$ -	\$ -	\$ 260,375	\$ -
Total Joint Phase FY13/14	\$ 241,500	\$ 30,187	\$ 30,188	\$ 30,188	\$ 30,188	\$ 30,187	\$ 30,188	\$ 30,187	\$ 30,187	\$ -
Total Phase 1, 2 and Joint FY13/14	\$ 1,532,499	\$ 42,863	\$ 478,694	\$ 343,005	\$ 121,942	\$ 157,916	\$ 36,441	\$ 61,076	\$ 290,562	\$ -

Notes:

\$1 subtracted to correct rounding issues

Date	Description	Amount		Las Galinas	Napa	Novato	SVCSD	SCWA	Napa County	North Marin Water Dist.	
7/1/2014	Beginning Balance	118,958.02	b	5,020.55	39,368.99	6,940.04	33,200.78	4,974.12	4,907.35	24,546.76	
7/16/2014	NMWD Inv. 15-05 - Phase I Membership fee	30,889.00	d							30,889.00	
7/23/2014	Napa County Inv. 15-04 - Phase I Membership fee	6,253.00	d						6,253.00		
7/23/2014	SVCSD Inv. 15-06 - Phase I Membership fee	48,107.00	d				48,107.00				
7/23/2014	SCWA Inv. 15-07 - Phase I Membership fee	6,254.00	d					6,254.00			
7/29/2014	Novato San Inv.15-02 - Phase I Membership fee	15,079.00	d			15,079.00					
7/29/2014	Napa San Inv. 15-03 - Phase I Membership fee	55,850.00	d		55,850.00						
7/31/2014	CDM Smith Inc (VP)										
8/7/2014	LGVSD Inv. 15-01 - Phase I Membership fee	12,676.00	d	12,676.00							
9/15/2014	CDM Smith Inv. 80498807/17	(1,621.00)	p c	(117.34)	(517.01)	(139.59)	(445.33)	(57.89)	(57.89)	(285.94)	
9/15/2014	Transfer of balances from WS admin phase (Closed)	(168.25)	p	2.73	2.73	2.73	2.73	2.73	(75.48)	(106.42)	
9/18/2014	Petaluma Inv. 15-011 - PH I Initiation reimbursement	161,480.00	d	11,689.29	51,503.10	13,905.22	44,363.13	5,767.14	5,767.14	28,484.98	
10/21/2014	Bryant & Associates September 2014	(12,776.57)	p ba	(924.88)	(4,075.01)	(1,100.20)	(3,510.09)	(456.31)	(456.31)	(2,253.78)	
11/14/2014	CDM Smith Inv. 80505871	(1,779.20)	p c	(128.79)	(567.47)	(153.21)	(488.80)	(63.54)	(63.54)	(313.85)	
11/21/2014	Petaluma PH I Initiation reimbursement - LGVSD	(11,689.29)	p	(11,689.29)							
11/21/2014	Petaluma PH I Initiation reimbursement - NAPA SAN	(51,503.10)	p		(51,503.10)						
11/21/2014	Petaluma PH I Initiation reimbursement - NOVATO	(13,905.22)	p			(13,905.22)					
11/21/2014	Petaluma PH I Initiation reimbursement - SVCSD	(44,363.13)	p				(44,363.13)				
11/21/2014	Petaluma PH I Initiation reimbursement - Napa Co	(5,767.14)	p						(5,767.14)		
11/21/2014	Petaluma PH I Initiation reimbursement - NMWD	(28,484.98)	p							(28,484.98)	
12/29/2014	Bryant & Associates November 2014	(8,150.52)	p ba	(590.00)	(2,599.56)	(701.85)	(2,239.18)	(291.09)	(291.09)	(1,437.75)	
12/30/2014	Petaluma PH I Initiation reimbursement - SCWA	(5,767.14)	p					(5,767.14)			
12/30/2014	Brown & Caldwell Invoice 11228642 (Correction)	(3,267.73)	p bc	(236.55)	(1,042.22)	(281.39)	(897.74)	(116.70)	(116.70)	(576.43)	
1/2/2015	Brown & Caldwell Invoice 11230722	(5,026.50)	p bc	(363.86)	(1,603.17)	(432.84)	(1,380.92)	(179.52)	(179.52)	(886.67)	
1/29/2015	Brown & Caldwell Invoice 11232267	(9,754.50)	p bc	(706.11)	(3,111.14)	(839.97)	(2,679.84)	(348.38)	(348.38)	(1,720.69)	
1/29/2015	Bryant & Associates December 2014	(6,126.12)	p ba	(443.46)	(1,953.89)	(527.53)	(1,683.02)	(218.79)	(218.79)	(1,080.64)	
2/18/2015	CDM Smith Inv.	(2,949.60)	p c	(213.52)	(940.76)	(253.99)	(810.34)	(105.34)	(105.34)	(520.31)	
2/18/2015	Brown & Caldwell Invoice 11233787	(6,231.50)	p bc	(451.09)	(1,987.50)	(536.60)	(1,711.97)	(222.55)	(222.55)	(1,099.23)	
2/20/2015	Bryant & Associates January 2015	(10,140.35)	p ba	(734.04)	(3,234.21)	(873.20)	(2,785.84)	(362.16)	(362.16)	(1,788.75)	
3/4/2015	Bryant & Associates October 2014 - CORRECTION	(8,057.14)	p ba	(583.24)	(2,569.78)	(693.81)	(2,213.52)	(287.76)	(287.76)	(1,421.27)	
3/4/2015	Bryant & Associates July & August 2014 - CORRCETION	(13,080.04)	p ba	(946.84)	(4,171.80)	(1,126.34)	(3,593.46)	(467.14)	(467.14)	(2,307.31)	
Current NBWRA Balance				204,937.00	11,259.54	66,848.20	14,361.26	56,870.47	8,053.68	7,907.70	39,636.71
PENDING											
	Bryant & Associates February 2015	(8,977.46)	ba	(649.86)	(2,863.31)	(773.06)	(2,466.36)	(320.62)	(320.62)	(1,583.62)	
	Brown & Caldwell Invoice 11237093	(2,348.00)	bc	(169.97)	(748.88)	(202.19)	(645.06)	(83.86)	(83.86)	(414.19)	
Projected Balance				193,611.54	10,439.71	63,236.01	13,386.01	53,759.04	7,649.20	7,503.22	37,638.91

NBWRA Reconciliation			
Beginning Balance	118,958.02	b	
Deposits	336,588.00	d	
Interest Earnings	-	i	
Payments	(250,609.02)	p	
	204,937.00		

NBWRA Obligations									
Vendor	Encumbrances		Paid to date	Adjustments	Balance	Expires	% Spent		
ESA	6,740.65	e	-	-	6,740.65	6/30/2015	0%	*rollover from LFY	
CDM Smith (1400000002)	49,681.83	c	6,349.80	-	43,332.03	6/30/2015	13%	*rollover from LFY	
B&C (1500000013)	72,628.00	bc	24,280.23	-	48,347.77	6/30/2017	33%		
Bryant & Associates (1500000011)	102,480.00	ba	58,330.74	-	44,149.26	6/30/2017	57%		
Total	231,530.48		88,960.77	-	142,569.71				
Unencumbered			Spent	Misc.	Balance		% Spent		
Admin Agency Services	-	a	-	-	-		#DIV/0!		
Contingency	-		-	-	-		#DIV/0!		
Total	231,530.48		88,960.77	-	142,569.71				
Miscellaneous Expenses		m	-						
Total Expenses			88,960.77						

Miscellaneous Expenses
Total Expenses

Date	Description	Amount		Las					North Marin		City of	Marin Muni	Marin County
				Galinas	Napa	Novato	SVCSD	SCWA	Napa County	Water Dist.	Petaluma	Water Dist.	
7/1/2013	Beginning Balance	92,930.69	b	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	6,884.62	6,884.62	5,000.00
7/16/2014	NMWD Inv. 15-05 - JU membership fee	30,187.00	d							30,187.00			
7/17/2014	County of Marin Inv. 15-10 - Associate membership fee	5,000.00	d										5,000.00
7/23/2014	Napa County Inv. 15-04 - JU membership fee	30,188.00	d						30,188.00				
7/23/2014	SVCSD Inv. 15-06 - JU membership fee	30,188.00	d				30,188.00						
7/23/2014	SCWA Inv. 15-07 - JU membership fee	30,187.00	d					30,187.00					
7/29/2014	Novato San Inv.15-02 - JU Membership Fee	30,188.00	d			30,188.00							
7/29/2014	Napa San Inv. 15-03 - JU Membership Fee	30,188.00	d		30,188.00								
8/7/2014	LGVSD Inv. 15-01 - JU Membership fee	30,187.00	d	30,187.00									
9/3/2014	Weir Technical Services SCWA_7-14	(3,596.60)	p	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	
9/8/2014	Petaluma Inv. 15-08 - JU Membership Fee	30,187.00	d								30,187.00		
9/19/2014	Food/Snacks for NBWRA BOD Meeting	(46.97)	p	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	
9/22/2014	Weir Technical Services SCWA_8-14	(2,224.59)	p	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	
9/26/2014	Federal Express Corp	(35.86)	p	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	
9/26/2014	Salary/Assn Chgs Applied (& reversal)	(1,702.81)	p	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	
10/10/2014	Salary/Assn Chgs Applied	(4,483.38)	p	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	
10/13/2014	Salary/Assn Chgs Applied	(2,583.31)	p	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	
10/13/2014	Salary/Assn Chgs Applied	(1,366.02)	p	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	
10/15/2014	Salary/Assn Chgs Applied	(1,331.50)	p	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	
10/15/2014	Meeting room rental	(370.00)	p	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	
10/16/2014	Salary/Assn Chgs Applied	(2,689.11)	p	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	
10/16/2014	Salary/Assn Chgs Applied (& reversal)	(5,093.26)	p	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	
10/20/2014	Weir Technical Services SCWA_9-14	(4,828.58)	p	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	
10/21/2014	Bryant & Associates September 2014	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	
10/28/2014	Salary/Assn Chgs Applied	(1,625.18)	p	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	
11/13/2014	Salary/Assn Chgs Applied	(3,586.28)	p	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	
11/19/2014	Salary/Assn Chgs Applied	(1,787.65)	p	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	
12/8/2014	Salary/Assn Chgs Applied	(2,060.69)	p	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	
12/22/2014	County Counsel	(114.50)	p	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	
12/22/2014	County Counsel	(171.75)	p	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	
12/22/2014	TAC Meeting & Video Shoot Provisions (Ulias Deli)	(109.45)	p	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	
12/22/2014	Salary/Assn Chgs Applied	(4,872.80)	p	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	
12/23/2014	Canteen Beverage	(8.33)	p	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	
12/29/2014	Weir Technical Services SCWA_11-14	(2,387.95)	p	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	
12/29/2014	Bryant & Associates November 2014	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	
1/5/2015	Federal Express Corp	(23.80)	p	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	
1/7/2015	Salary/Assn Chgs Applied	(6,908.08)	p	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	
1/13/2015	NBWRA Phase 1 Tour Provisions (USBR)	(109.20)	p	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	
1/16/2015	MMWD Inv. 15-09 - Associate membership fee	5,000.00	d										5,000.00
2/4/2015	Meeting & Video Shoot Provisions	(35.43)	p	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	
2/4/2015	Meeting & Video Shoot Provisions	(22.85)	p	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	
2/5/2015	Weir Technical Services SCWA 12-14	(3,144.58)	p	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	
2/20/2015	Xtelesis Corporation	(16.05)	p	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	
2/20/2015	Bryant & Associates December 2014 & January 2015	(6,000.00)	p	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	
2/23/2015	Meeting room rental	(370.00)	p	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	
2/23/2015	Xtelesis Corporation	(3.45)	p	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	
2/24/2015	Weir Technical Services SCWA 01-15	(4,687.50)	p	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	
2/24/2015	Weir Technical Services SCWA 01-15 (Expenses)	(170.58)	p	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	
3/4/2015	Weir Technical Services SCWA_10-14 - Correction	(5,266.37)	p	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	
3/4/2015	Bryant & Associates October 2014 - Correction	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	
3/4/2015	Bryant & Associates July & August 2014 - Correction	(6,000.00)	p	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	
3/4/2015	Salary/Assn Chgs Applied	(5,664.32)	p	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	
3/5/2015	Equip Revenue Clearing	(59.20)	p	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	
3/5/2015	Salary/Assn Chgs Applied	(3,212.30)	p	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	
3/6/2015	Meeting Provisions	(39.99)	p	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	
3/6/2015	Xtelesis Corporation	(5.70)	p	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	
3/13/2015	Salary/Assn Chgs Applied	(2,925.00)	p	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	
3/17/2015	Salary/Assn Chgs Applied	(454.77)	p	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	

Date	Description	Amount		Galinas	Napa	Novato	SVCSD	SCWA	Napa County	Water Dist.	Petaluma	Water Dist.	Marin County
Current NBWRA Balance				28,132.02	28,133.02	28,133.02	28,133.02	28,132.02	28,133.02	28,132.02	24,422.15	11,884.62	10,000.00
PENDING													
	Bryant & Associates February 2015	(3,000.00)	ba	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
	Weir Technical Services SCWA 02-15	(1,500.00)	w2	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)		
	Weir Technical Services SCWA 02-15 (Expenses)	(23.77)	w2	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)		
Projected Balance				27,566.55	27,567.55	27,567.55	27,567.55	27,566.55	27,567.55	27,566.55	23,856.68	11,884.62	10,000.00
NBWRA Reconciliation				LG	Napa	Nov	SV	SCWA	Napa County	North Marin	Petaluma	MMWD	Marin County
	Beginning Balance	92,930.69	b	11.566%	11.566%	11.566%	11.566%	11.566%	11.566%	11.566%	10.041%	4.886%	4.111%
	Deposits	251,500.00	d										
	Interest Earnings	-	i										
	Payments	(101,195.74)	p										
	Balance	243,234.95											
NBWRA Obligations													
Vendor	Encumbrances			Paid to date	Adjustments	Balance	Expires	% Spent					
Weir Technical Services (1400000004)	16,910.87	w1		10,649.77	-	6,261.10	9/30/2014	63%	* expired 9/30/2014 - balance released				
Weir Technical Services (1500000012)	70,500.00	w2		15,656.98	-	54,843.02	6/30/2017	22%					
Bryant & Associates (1500000011)	36,000.00	ba		21,000.00	-	15,000.00	6/30/2017	58%					
Total	123,410.87			47,306.75	-	76,104.12							
Unencumbered				Spent	Misc.	Balance	% Spent						
Admin Agency Services	135,000.00	a		52,430.86	455.11	82,114.03	39%						
Unallocated funds	15,175.92	ua		1,003.02		14,172.90	7%						
Contingency	-	c		-		-	#DIV/0!						
Total	150,175.92			100,740.63	-	158,218.15							
TOTAL	273,586.79												
Miscellaneous Expenses		m		455.11									
Total Expenses				101,195.74									

NOTES:

**Interest
North Bay Water Reuse Authority
as of March 18, 2015**

FY2013/2014

Period	Date Posted	Amount
1st Quarter	10/15/2013	\$ 1,335.43
2nd Quarter	1/15/2014	\$ 1,445.77
3rd Quarter	4/16/2014	\$ 1,034.70
4th Quarter	7/16/2014	\$ 590.63
Total		\$ 4,406.53

FY2014/2015

Period	Date Posted	Amount
1st Quarter	10/15/2014	\$ 1,849.53
2nd Quarter	1/15/2015	\$ 2,430.25
3rd Quarter		
4th Quarter		
Total		\$ 4,279.78

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
March 23, 2015

**ITEM NO. 7 BUDGETS, MEMBER AGENCY COST ALLOCATIONS, AND SCOPES
AND COSTS FOR FY2014/15, FY2015/16, AND FY2016**

Action Requested: Recommend that the Board approve the previously approved Budgets, Member Agency Cost Allocations, and Scopes and Costs for FY2014/15, FY2015/16, and FY2016/17 with authorization for funding FY2015/16 only.

On May 19, 2014, the Board approved the attached three year budget for FY2014/15, FY2015/16, and FY2016/17. The Board approved funding only for the first year, FY2014/15. To continue the program the Board will need to approve funding for FY2015/16. No changes to the current scopes and costs are recommended at this time.

For FY2014/15 the total budget was \$1,523,499. For FY2015/16 the total budget will be \$1,666,539 due to moderately increased costs for Feasibility Study activities. All other costs are similar to the previous year. The last attached page shows the proposed Member Agency costs for FY2015/16 which are identical to the information provided last year.

Although there have been off line discussions regarding the possibility of additional agencies participating in Phase 2, there are no firm commitments and, therefore, no changes to the recommended budget.

Recommendation

It is recommended that the TAC concur with the recommended FY2015/16 Budget and Member Agency cost sharing and authorize that it be submitted to the Board for approval at the April 27, 2015 meeting.

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

May 19, 2014

Approved by the Board May 19, 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	72,628	77,998	46,993	197,619
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	-	-	-	-
Total Costs for Phase 1 Support	65,000	175,108	180,478	149,473	505,059

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 2 Support					
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	-	-	-	-
Total Costs for Phase 2 Support	63,000	175,720	175,720	175,720	527,160

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 2 Feasibility Study - Three Years					
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	-	-	-	-	-
Total Costs for Study	166,080	940,171	1,063,841	1,214,747	3,218,760

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Phase 2 Workshops (18 -month)					
Planning, Engineering, and Program Development	42,275	-	-	-	-
Contingency	-	-	-	-	-
Total Costs for Scoping Study Workshops	42,275				
Total Costs for Phase 2	271,355	1,115,891	1,239,561	1,390,467	3,745,920

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Joint Use					
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	-	-	-	-
Total Costs for Joint Use	586,000	241,500	246,500	246,500	734,500

	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Total Costs					
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	895,963	1,009,634	1,110,782	3,016,379
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	-	-	-	-
Total Costs for NBWRA	922,355	1,532,499	1,666,539	1,786,440	4,985,479

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

May 19, 2014

Without MMWD

Approved by the Board May 19, 2014

Based on Phase 2 Project Costs

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County
MOU Percent for Phase 1			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%
Grant Applications and Management - B&C	72,628	72,628	5,257	23,164	6,254	19,953	2,594	12,812	2,594
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
Total	\$175,108	\$175,108	\$12,676	\$55,850	\$15,079	\$48,107	\$6,254	\$30,889	\$6,254

100.000%

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Percent for Phase 2 Support			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	40,156	30,449	4,464	12,423	-	-	26,628	-
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	61,600	61,600	-	21,676	16,436	2,409	6,706	-	-	14,373	-
Total	\$175,720	\$175,720	\$0	\$61,832	\$46,885	\$6,873	\$19,129	\$0	\$0	\$41,001	\$0

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Percent for Phase 2 Feasibility Study			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	823,335	823,335	-	289,713	219,680	32,204	89,627	-	-	192,112	-
SCWA Administration - Grants and EIR/EIS	116,836	116,836	-	41,112	31,174	4,570	12,719	-	-	27,262	-
Total	\$940,171	\$940,171	\$0	\$330,825	\$250,854	\$36,774	\$102,346	\$0	\$0	\$219,374	\$0

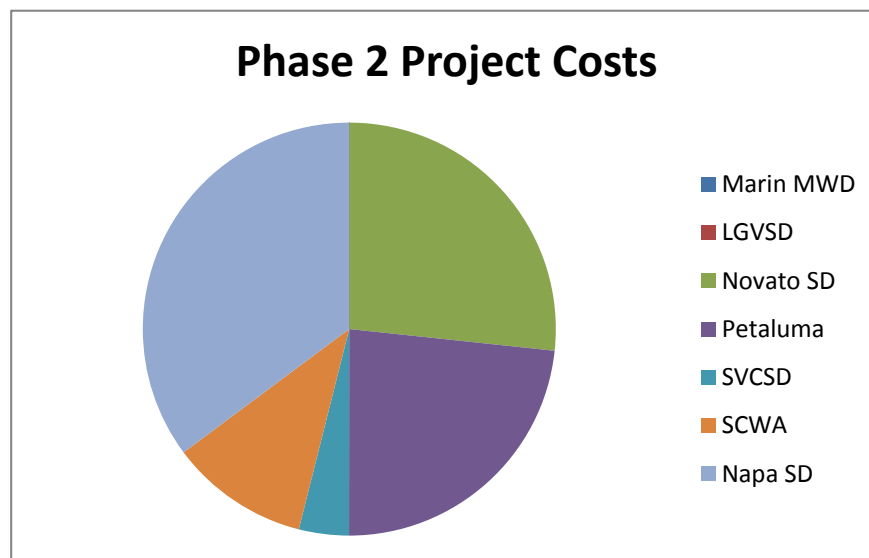
Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
Percent for Joint Use			12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
Program Management - Weir	70,500	70,500	8,813	8,813	8,813	8,813	8,813	8,813	8,813	8,813	-
State Advocacy - The Onate Group (Sub to Bryant)	36,000	36,000	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	-
SCWA Administration	135,000	135,000	16,875	16,875	16,875	16,875	16,875	16,875	16,875	16,875	-
Total	\$241,500	\$241,500	\$30,188	\$30,188	\$30,188	\$30,188	\$30,188	\$30,188	\$30,188	\$30,188	\$0

Total Cost per Agency for FY 2014/15											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
FY14/15 Proposed	\$1,532,499	\$1,532,499	\$42,863	\$478,694	\$343,005	\$121,942	\$157,916	\$61,076	\$36,441	\$290,562	\$5,000
Potential 50% Federal cost share for Feasibility Study		\$470,086	\$0	\$165,412	\$125,427	\$18,387	\$51,173	\$0	\$0	\$109,687	\$0
Cost with MMWD based on April 16, 2014 Budget	\$1,499,301	\$1,499,301	\$37,106	\$451,286	\$326,582	\$107,970	\$149,211	\$51,866	\$31,902	\$278,279	\$65,100
Difference without MMWD			\$5,757	\$27,408	\$16,423	\$13,971	\$8,706	\$9,210	\$4,540	\$12,283	(\$60,100)

Feasibility Study Percent Calculations

Approved by the Board May 19, 2014

Member Agency	Phase 2 Project Costs	Split based on Total Project Costs	3-Yr Feasibility Study Costs	Study Cost per Million Dollars of Projects
Marin MWD	\$0	0.000%	\$0	\$0
LGVSD	\$0	0.000%	\$0	\$0
Novato SD	\$35,540,000	26.682%	\$858,820	\$24,165
Petaluma	\$31,080,000	23.333%	\$751,044	\$24,165
SVCSD	\$5,210,000	3.911%	\$125,899	\$24,165
SCWA	\$14,500,000	10.886%	\$350,391	\$24,165
Napa SD	\$46,870,000	35.188%	\$1,132,608	\$24,165
TOTAL	\$133,200,000	100.000%	\$3,218,761	\$24,165



North Bay Water Reuse Authority
Proposed Agency Cost Allocations

Member Agency Cost Allocations

March 19, 2015

Fiscal Year 2015/16

Based on Phase 2 Project Costs

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County
<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	77,998	77,998	5,646	24,877	6,716	21,428	2,786	13,759	2,786
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
Total	\$180,478	\$180,478	\$13,065	\$57,562	\$15,541	\$49,582	\$6,446	\$31,836	\$6,446

100.000%

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Phase 2 Support</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	40,156	30,449	4,464	12,423	-	-	26,628	-
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	61,600	61,600	-	21,676	16,436	2,409	6,706	-	-	14,373	-
Total	\$175,720	\$175,720	\$0	\$61,832	\$46,885	\$6,873	\$19,129	\$0	\$0	\$41,001	\$0

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	931,636	931,636	-	327,821	248,576	36,440	101,417	-	-	217,382	-
SCWA Administration - Grants and EIR/EIS	132,205	132,205	-	46,520	35,275	5,171	14,392	-	-	30,848	-
Total	\$1,063,841	\$1,063,841	\$0	\$374,341	\$283,851	\$41,611	\$115,809	\$0	\$0	\$248,230	\$0

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Joint Use</i>			12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
Program Management - Weir	75,500	75,500	9,438	9,438	9,438	9,438	9,438	9,438	9,438	9,438	-
State Advocacy - The Olate Group (Sub to Bryant)	36,000	36,000	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	-
SCWA Administration	135,000	135,000	16,875	16,875	16,875	16,875	16,875	16,875	16,875	16,875	-
Total	\$246,500	\$246,500	\$30,813	\$30,813	\$30,813	\$30,813	\$30,813	\$30,813	\$30,813	\$30,813	\$0

Total Cost per Agency for FY 2015/16											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
FY15/16 Proposed	\$1,666,539	\$1,666,539	\$43,877	\$524,548	\$377,090	\$128,879	\$172,195	\$62,649	\$37,258	\$320,044	\$5,000
Potential 50% Federal cost share for Feasibility Study		\$531,921	\$0	\$187,171	\$141,925	\$20,806	\$57,904	\$0	\$0	\$124,115	\$0

NBWRP Phase 2 FY 14/15 TAC Meeting

March 23, 2015



Topics

- 💧 Member Agency Projects Review
- 💧 Appraisal Level Cost Estimate
- 💧 Feasibility Study Report



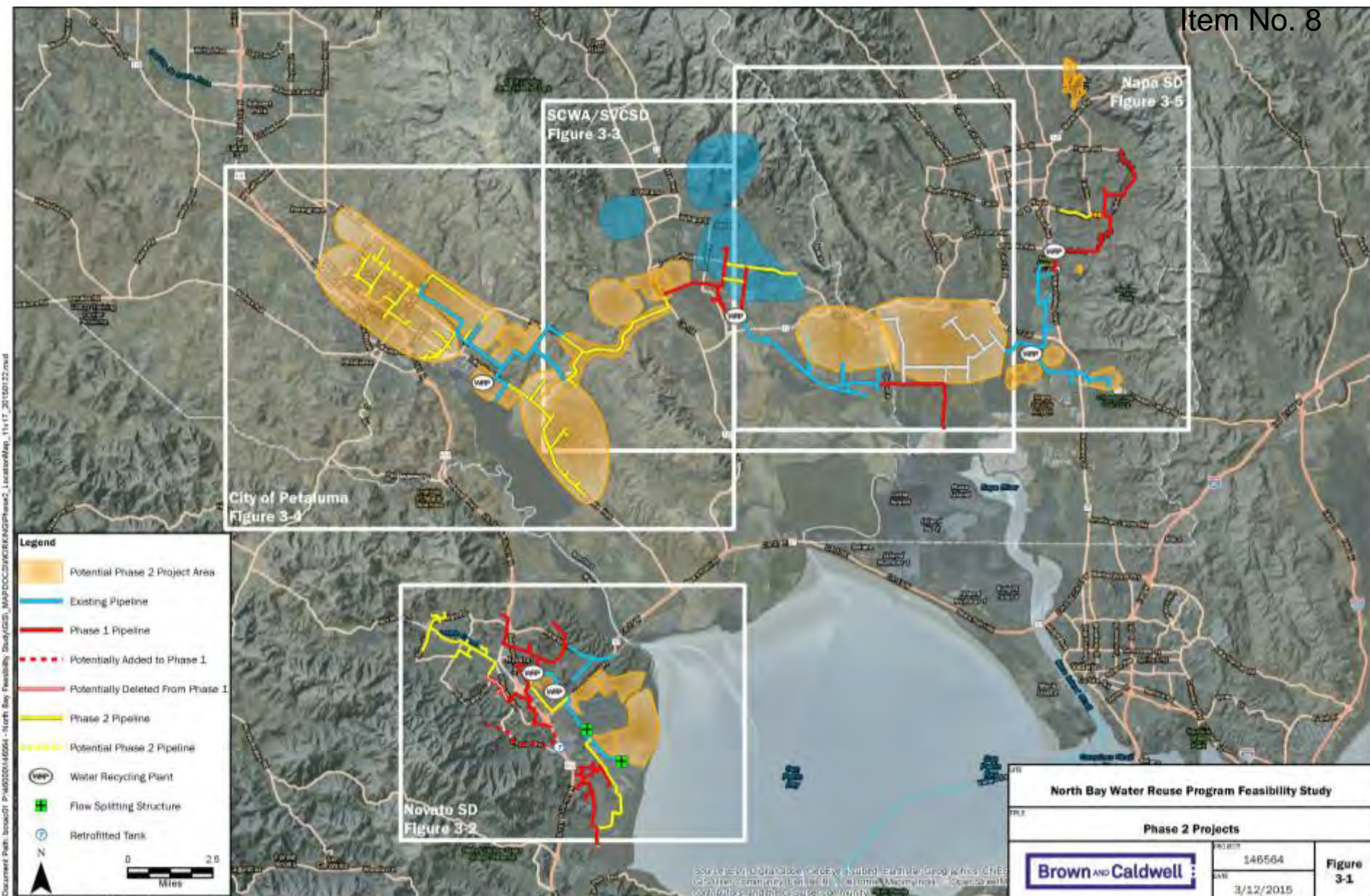
Member Agency Phase 2 Projects:



Why Discuss the Projects Again?

- 💧 We had follow-up contact with agencies regarding specifics of the projects
- 💧 There have been some changes since the workshop
- 💧 We are just highlighting the changes because the list was approved at the Board Workshop





Item No. 8

Sonoma Valley Groundwater Management and Recharge Study
• Potential recharge locations on Sonoma Creek and Nathanson Creek

El Verano Depression Area ASR

Southeast Depression Area ASR

Sonoma Valley Reuse Storage
• Could be public, private, or public/private partnership

Peru Road Pipeline

Napa Road Pipeline

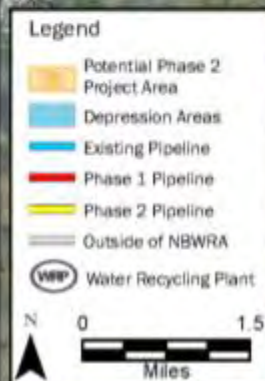
Temelec Area
• Landscape Irrigation

Agricultural On-Site Storage Ponds
• Recycled water storage by private owners


Longer Term Irrigation

Longer Term Irrigation

Potential Petaluma-Sonoma Intertie

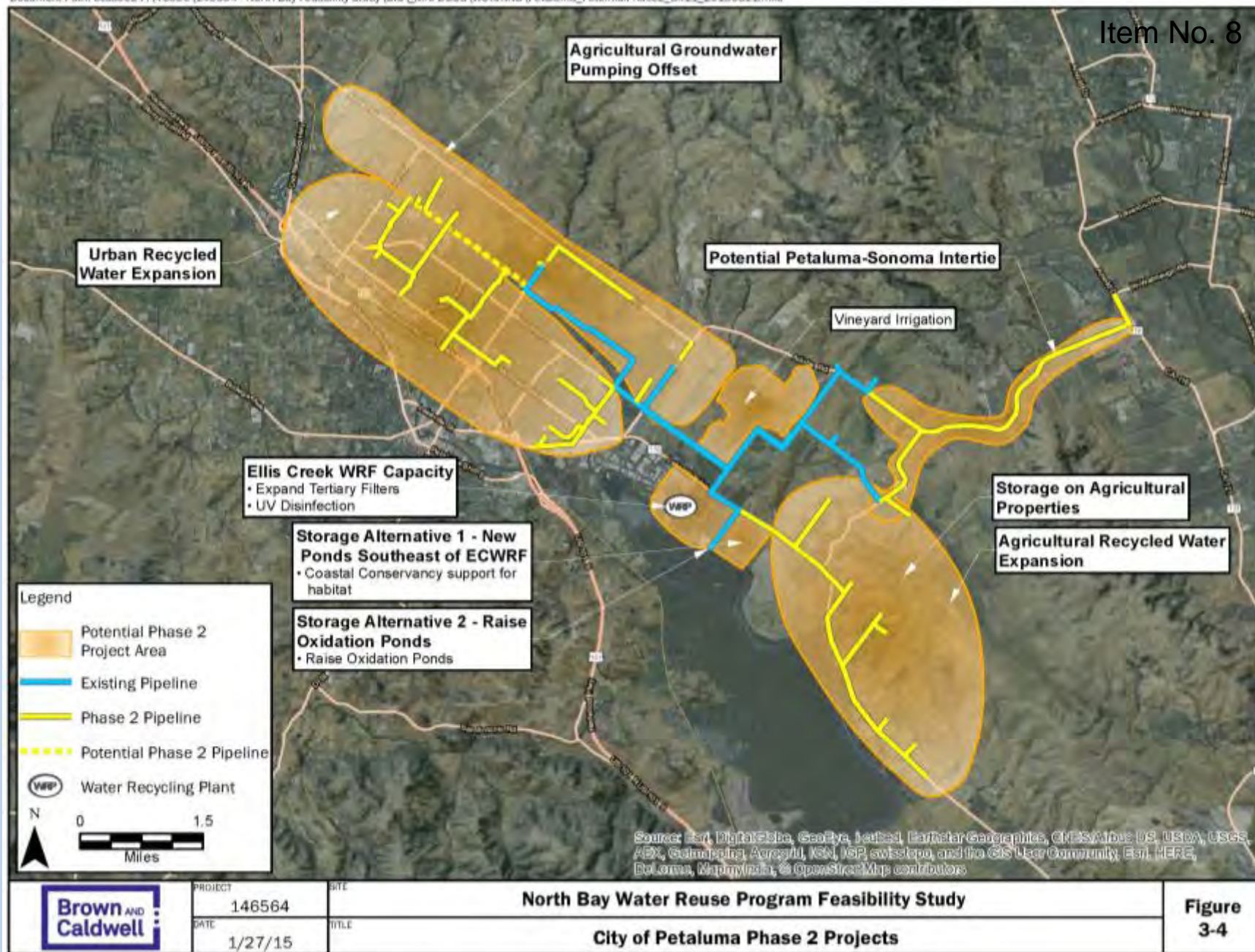


Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, SGP, swisstopo, and the GIS User Community. Data HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors.

	PROJECT	146564	SITE	North Bay Water Reuse Program Feasibility Study	Figure 3-3
	DATE	3/12/15	TITLE	SCWA/SVCSD Potential Phase 2 Projects	



Item No. 8





Appraisal Level Cost Estimate



What are “Appraisal Level” Costs

💧 Reclamation Guidance:

- “Appraisal cost estimates are used here to determine whether more detailed investigations of a potential project are justified..
- These estimates are intended to be used as an aid in by comparing alternative projects for inclusion in the proposed Program.
- Appraisal cost estimates are not suitable for requesting project authorization or construction fund appropriations from the Congress due to the early stage of project development.”

💧 NBWRP using Appraisal Level estimates to screen projects

💧 Feasibility Level estimates will be conducted later on the selected Program



Overview of Cost Estimating Approach

- 💧 Approach is based on the following general assumptions:
 - Only the major components were incorporated in the cost estimates, including: distribution pipelines; treatment plant improvements; system storage components; and distribution pump stations.
 - ENR Construction Cost Index (CCI) for San Francisco was used.
 - Construction bids for Phase 1 projects were reviewed and integrated as appropriate to update unit cost estimates.
- 💧 Additional assumptions were applied and are summarized in the report
- 💧 An Opinion of Probable Total Project Capital Cost:
 - Based on the Reclamation Directives and Standards and Engineering Research Center guidelines
 - Same criteria as used in Phase 1 and Phase 2 Scoping Studies



Overview of All Costs – For Discussion Only

Phase 2 Feasibility Study Proposed Projects			Summary of Appraisal Level Facility Costs (\$)						USBR Contingencies (\$)			
Agency	Project Type	Project Title	Distribution Pipelines	Pump Stations	Storage	WWTP Treatment Upgrades	Lump Sum or Other Construction Cost	Total Construction Contract Costs	USBR Allowance/Contingencies (35%) ²	Opinion of Probable Const. Costs	USBR Non-Contract Costs (25%) ³	Opinion of Probable Total Project Capital Costs
Novato SD	Treatment	Novato SD WRP Capacity	-	-	-	\$2,499,000	-	\$2,499,000	\$870,000	\$3,369,000	\$840,000	\$4,209,000
	Transitional (Brackish) Wetlands/Storage	Novato SD Wetland/Storage Project (Discharge to State Coastal Conservancy/Novato SD Transitional	\$625,000	-	\$8,072,000	-	-	\$8,697,000	\$3,040,000	\$11,737,000	\$2,930,000	\$14,667,000
	Distribution	Indian Valley College Pipeline	\$2,886,000	-	-	-	-	\$2,886,000	\$1,010,000	\$3,896,000	\$970,000	\$4,866,000
		Potential Intertie to LGVSD	\$9,328,000	-	-	-	-	\$9,328,000	\$3,260,000	\$12,588,000	\$3,150,000	\$15,738,000
		NMWD West Service Area Pipelines	\$5,023,000	-	-	-	-	\$5,023,000	\$1,760,000	\$6,783,000	\$1,700,000	\$8,483,000
SVCS	Other Program Beneficiaries (outside of NBWRP study area)	Marin County Lower Novato Creek Project	\$6,979,000	-	-	-	-	\$6,979,000	\$2,440,000	\$9,419,000	\$2,350,000	\$11,769,000
		Novato SD Irrigation Pastures	\$1,679,000	\$1,542,500	-	-	-	\$3,221,500	\$1,130,000	\$4,351,500	\$1,090,000	\$5,441,500
	Storage	Sonoma Valley Reuse Storage	-	-	\$3,150,000	-	-	\$3,150,000	\$1,100,000	\$4,250,000	\$1,060,000	\$5,310,000
	Distribution	Napa Road Pipeline	\$1,666,000	-	-	-	-	\$1,666,000	\$580,000	\$2,246,000	\$560,000	\$2,806,000
		Peru Road Pipeline	\$496,000	-	-	-	-	\$496,000	\$170,000	\$666,000	\$170,000	\$836,000
SCWA	Storage	El Verano Depression Area ASR	\$126,000	-	-	-	\$2,296,500	\$2,422,500	\$850,000	\$3,272,500	\$820,000	\$4,092,500
		Southeast Depression Area ASR	\$958,000	-	-	-	\$5,177,000	\$6,135,000	\$2,150,000	\$8,285,000	\$2,070,000	\$10,355,000
	Groundwater management	Sonoma Valley Groundwater Management an	-	-	\$4,410,000	-	-	\$4,410,000	\$1,540,000	\$5,950,000	\$1,490,000	\$7,440,000
	Other Program Beneficiaries (outside of NBWRP study area)	Agricultural On-Site Storage Ponds	-	-	\$3,150,000	-	-	\$3,150,000	\$1,100,000	\$4,250,000	\$1,060,000	\$5,310,000
		Petaluma-Sonoma Intertie	\$13,283,000	\$1,242,500	-	-	-	\$14,525,500	\$5,080,000	\$19,605,500	\$4,900,000	\$24,505,500
Petaluma	Treatment	ECWRF Capacity	-	-	-	\$1,739,000	-	\$1,739,000	\$610,000	\$2,349,000	\$590,000	\$2,939,000
	Storage	Seasonal Storage Alternative 1 – New Ponds	-	-	\$3,150,000	-	-	\$3,150,000	\$1,100,000	\$4,250,000	\$1,060,000	\$5,310,000
		Seasonal Storage Alternative 2 – Raise Oxida	-	-	\$6,458,000	-	-	\$6,458,000	\$2,260,000	\$8,718,000	\$2,180,000	\$10,898,000
	Distribution	Urban Recycled Water Expansion	\$6,827,952	-	-	-	-	\$6,827,952	\$2,390,000	\$9,217,952	\$2,300,000	\$11,517,952
		Agricultural Recycled Water Expansion	\$8,821,270	-	-	-	-	\$8,821,270	\$3,090,000	\$11,911,270	\$2,980,000	\$14,891,270
	Other Project Opportunities	Agricultural Groundwater Pumping Offset	\$1,803,818	-	-	-	-	\$1,803,818	\$630,000	\$2,433,818	\$610,000	\$3,043,818
	Other Program Beneficiaries (outside of NBWRP study area)	Storage on Agricultural Properties	-	-	\$7,875,000	-	-	\$7,875,000	\$2,760,000	\$10,635,000	\$2,660,000	\$13,295,000
Napa SD		Petaluma-Sonoma Intertie										Not Included
	Treatment	Soscol WRF Increased Filter Capacity	-	-	-	\$1,250,000	-	\$1,250,000	\$440,000	\$1,690,000	\$420,000	\$2,110,000
		Soscol WRF Expanded Treatment	-	-	-	\$15,000,000	-	\$15,000,000	\$5,250,000	\$20,250,000	\$5,060,000	\$25,310,000
	Storage	Additional Soscol WRF Covered Equalization	-	-	\$1,855,500	-	-	\$1,855,500	\$650,000	\$2,505,500	\$630,000	\$3,135,500
		Napa State Hospital Storage Tank	\$1,361,000	-	\$3,915,000	-	-	\$5,276,000	\$1,850,000	\$7,126,000	\$1,780,000	\$8,906,000
		Seasonal Storage Alternative 1 – Raise Pond L	-	-	\$60,000,000	-	-	\$60,000,000	\$21,000,000	\$81,000,000	\$20,250,000	\$101,250,000
		Seasonal Storage Alternative 2 - Somky Ranch	\$958,000	-	\$7,875,000	-	-	\$8,833,000	\$3,090,000	\$11,923,000	\$2,980,000	\$14,903,000
		Seasonal Storage Alternative 3 – Jameson Ran	-	-	\$11,340,000	-	-	\$11,340,000	\$3,970,000	\$15,310,000	\$3,830,000	\$19,140,000
	Distribution	MST Pipeline	\$7,148,000	-	-	-	-	\$7,148,000	\$2,500,000	\$9,648,000	\$2,410,000	\$12,058,000
		Maximum Distribution System										Not Included
	Other Program Beneficiaries (outside of NBWRP study area)	Los Cameros Area										Not Included
		AmCan Partnership - Jameson Ranch	-	-	\$17,900,000	-	-	\$17,900,000	\$6,270,000	\$24,170,000	\$6,040,000	\$30,210,000
Total			\$69,969,040	\$2,785,000	\$139,150,500	\$20,488,000	\$7,473,500	\$239,866,040	\$83,940,000	\$323,806,040	\$80,940,000	\$404,746,040

Focus on Key Aspects of Costs

- 💧 Total costs table includes all agencies and outside beneficiaries
- 💧 Table includes all projects including those outside the Title XVI funding period
- 💧 Table includes all storage alternatives for Petaluma and Napa SD
- 💧 Clarity provided by:
 - Removing the Outside Beneficiaries
 - Selecting one storage alternative for Petaluma (Assume Alternative 2 the most expensive. For this illustration only)
 - Selecting one storage alternative for Napa SD (Assume Alternative 2 the closest storage other than existing ponds. For this illustration only)



Focus on 5 Agencies & Choose a Storage Alternative

Summary of Proposed Phase 2 Projects - Schedule and Total Estimated Capital Costs

Phase 2 Feasibility Study Proposed Projects			2017 to 2027	Phase 2 Feasibility Study Projects		Potential Phase 2 Feasibility Study Projects		
Agency	Project Type	Project Title	Within Title XVI Grant Construction Window	Opinion of Probable Total Project Capital Costs (\$mil)	Summary of Short-Term Costs by Agency	Opinion of Probable Total Project Capital Costs (\$mil)	Summary of Short-Term Costs by Agency	Agency % of Total P2 Project Costs
Novato SD	Treatment	Novato SD WRP Capacity	✓	\$4.2	\$19	\$4.2	\$19	14%
	Transitional (Brackish) Wetlands/Storage	Novato SD Wetland/Storage Project (Discharge to State Coastal Conservancy/Novato SD Transitional Brackish Wetland Project)	✓	\$14.7		\$14.7		
		Distribution	Indian Valley College Pipeline					
	Potential Intertie to LGVSD							
	NMWD West Service Area Pipelines							
SVCSD	Storage	Sonoma Valley Reuse Storage	✓	\$5.3	\$8	\$5.3	\$8	6%
	Distribution	Napa Road Pipeline	✓	\$2.8		\$2.8		
		Peru Road Pipeline						
SCWA	Storage	El Verano Depression Area ASR	✓	\$4.1	\$22	\$4.1	\$22	16%
		Southeast Depression Area ASR	✓	\$10.4		\$10.4		
	Groundwater management	Sonoma Valley Groundwater Management and Recharge	✓	\$7.4		\$7.4		
Petaluma	Treatment	ECWRF Capacity	✓	\$2.9	\$49	\$2.9	\$43	32%
	Storage	Seasonal Storage Alternative 1 - New Ponds Southeast	✓	\$5.3				
		Seasonal Storage Alternative 2 - Raise Oxidation Ponds	✓	\$10.9		\$10.9		
	Distribution	Urban Recycled Water Expansion	✓	\$11.5		\$11.5		
		Agricultural Recycled Water Expansion	✓	\$14.9		\$14.9		
Other Project Opportunities	Agricultural Groundwater Pumping Offset	✓	\$3.0	\$3.0				
Napa SD	Treatment	Soscol WRF Increased Filter Capacity	✓	\$2.1	\$162	\$2.1	\$41	31%
		Soscol WRF Expanded Treatment						
	Storage	Additional Soscol WRF Covered Equalization Storage	✓	\$3.1		\$3.1		
		Napa State Hospital Storage Tank	✓	\$8.9		\$8.9		
		Seasonal Storage Alternative 1 - Raise Pond Levees	✓	\$101.3				
		Seasonal Storage Alternative 2 - Somky Ranch Equalization	✓	\$14.9		\$14.9		
		Seasonal Storage Alternative 3 - Jameson Ranch	✓	\$19.1				
	Distribution	MST Pipeline	✓	\$12.1		\$12.1		
		Maximum Distribution System						
Total			Total	\$259	\$259		\$133	100%

Feasibility Study Report



Title XVI Feasibility Report Production Schedule

1. Introductory Information
 2. Statement of Problems and Needs
 3. Water Reclamation and Reuse Opportunities
 4. Description of Alternatives
 5. Economic Analysis
 6. Selection of the Proposed Title XVI Project
 7. Environmental Considerations and Potential Effects
 8. Legal and Institutional Requirements
 9. Financial Capability of Sponsor
 10. Research Needs
- Year 1**
- Year 2**



Process for Draft Report Review

- 💧 New project SharePoint site
 - TAC member can download report section and upload review comments
 - Each Member Agency is asked to edit only its own topics
 - Each Member Agency works on its own version of files and uploads one set of combined comments

- 💧 Demonstration of SharePoint



Questions?



Page 1

Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
March 23, 2015

**ITEM NO. 13 PROPOSITION 84 – INTEGRATED REGIONAL WATER
MANAGEMENT PROGRAM UPDATE AND**

Action Requested: Develop and approve a course of action for responding to the latest round of proposals requested by the Bay Area IRWMP. The TAC should discuss the roles of NBWRA, the Member Agencies' role and whether or not to collaborate with North Bay Watershed Association (NBWA).

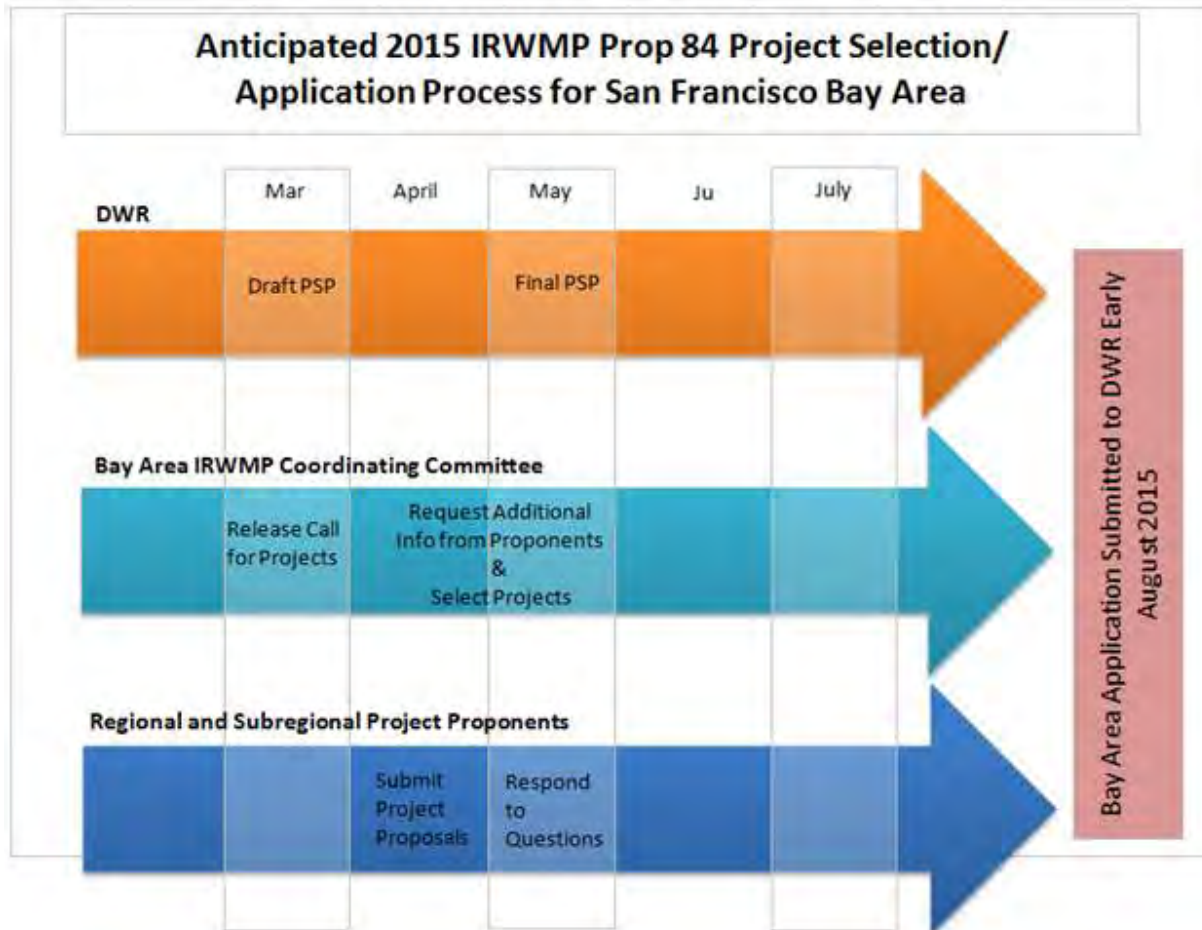
The Bay Area Integrated Regional Water Management Plan (IRWMP) Coordinating Committee (CC) is soliciting projects for the region's response to a forthcoming Proposal Solicitation Package (PSP) from the California Department of Water Resources (DWR) for Proposition 84 Implementation Grant funding. Attached are the following documents:

Item No. 13.a - 2015 Request for Project Concept Submittals

Item No. 13.b - Priority Regional Needs and Criteria

Item No. 13.c - Proposed BAIRWM 2015 Prop 84 Round Screening Criteria

The CC is soliciting all project types, and at this point is encouraging the submittal of integrated projects that provide watershed, habitat, flood and/or stormwater benefits. The timeline in the RPCS and below shows the anticipated timeline for DWR, the regional decision-making process for project selection, and important dates for project proponents.



All project submissions (new or updated) must be received electronically by **5:00 p.m. PDT on Monday, April 20, 2015.**

NBWA has historically submitted applications on behalf of its members and that process is built into the annual budget. NBWA may also wish to coordinate applications with NBWA, which usually submits proposals as well. That might help to enhance the regional nature of any submittal.

Recommendation

It is recommended that the TAC discuss and approve a course of action responding to the latest round of proposals requested by the Bay Area IRWMP.

Bay Area Integrated Regional Water Management Plan Integrated Regional Water Management Implementation Grant Program

2015 Request for Project Concept Submittals



The Bay Area Integrated Regional Water Management Plan Coordinating Committee (CC) is soliciting project concepts for inclusion in the Bay Area's 2015 Round Integrated Regional Water Management (IRWM) implementation grant application to the Department of Water Resources (DWR). The CC anticipates release of the DWR's 2015 Round Proposal Solicitation Package (PSP) in mid-March 2015, with full applications due in August 2015 (See <http://www.water.ca.gov/irwm/grants/index.cfm> for the latest DWR schedule). In order to effectively put together a grant proposal in that window, the CC is soliciting and vetting project concept proposals at this time.



This request for project concepts includes both regional and sub-regional project submittals. Regional project priorities and criteria are described in [Attachment A](#). These priorities and criteria should be useful for both regional and sub-regional submittals. For those who submitted proposals in 2014 who wish to be considered during this 2015 Round, updated proposals are required. All project proposals are expected to be reviewed in late April/early May 2015 in order to follow-up with a final pool of project applicants (both regional and sub-regional) in mid-May. The evaluation process will be informed by DWR's project solicitation package and their priorities and regional allocations for the State.

The graphic below shows the anticipated timeline for DWR, the regional decision-making process for project selection, and important dates for project proponents.



Background

In November 2006, voters passed Proposition 84, the Safe Drinking Water, Water Quality, and Supply, Flood Control, River and Coastal Protection Bond Act, which provided \$1,000,000,000 for IRWM planning and implementation. The Bay Area was allocated \$138 million, of which about \$85 million was awarded in previous grant funding rounds, leaving approximately \$40 million available to the Bay Area in the 2015 Round.

IRWM grants are managed within DWR's Division of IRWM by the Financial Assistance Branch. The program's goal is managing water resources in a collaborative effort and DWR seeks to have regions work across jurisdictional, watershed, and political boundaries. Prop 84 gives preference to IRWM grant proposals that:

- 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,
- Address statewide priorities.

DWR is anticipated to release draft guidance and a draft Project Solicitation Package (PSP) specific to the 2015 Round in mid-March. The Draft guidance and PSP will explain the application process and allocation of funds and DWR anticipates that they will adopt final guidance and PSP in May. Prospective applicants for IRWM Implementation grants should read the 2015 PSP and the entire 2015 Guidelines when they are released. These, as well as information on DWR's approach and process may be found at: <http://www.water.ca.gov/irwm/grants/>.

The DWR PSP will likely be based on some combination of the 2012 IRWM Guidelines and 2014 Drought Solicitation IRWM Guidelines with modifications as necessary for the specific funding round. The 2014 Guidelines are posted on the DWR website at: <http://www.water.ca.gov/irwm/grants/guidelines.cfm>. Project proponents may also want to review the Prop 84 Round 2 PSP and Guidelines (both available at <http://www.water.ca.gov/irwm/grants/archive.cfm>) and 2014 Drought Round PSP (available at <http://www.water.ca.gov/irwm/grants/implementation.cfm>) because they provide information on typical DWR grant application and agreement requirements.

Eligibility

Proponents must be able to satisfy all criteria for inclusion in a regional application per the DWR Guidelines and eventual 2015 Round PSP. See Section III of the 2012 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.

Projects proposed for inclusion in the 2015 Round application must be within the Bay Area IRWM region (Bay Area region) and/or bring plan-specified benefits to the region (see 2012 Guidelines Section III C.2). The Bay Area region boundary is the same as the boundary of the San Francisco Bay Regional Water Quality Control Board (Region 2) and includes all or portions of the nine counties that flow to the San Francisco Bay area. The Bay Area region is further divided into four sub-regions: North, South, East, and West to represent the diversity of needs around the Bay and to allow for more locally targeted outreach through the IRWM's sub-regional process. There are also the following functional areas that have common water management concerns: water supply-water quality, wastewater-recycled water, flood protection-stormwater management, and watershed management-habitat protection and restoration. A map showing the region and sub-regions can be found at:

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

In addition, project proponent's concept proposals will have to adequately address each of the eligibility factors listed below to be further considered for inclusion in a Bay Area IRWM grant application to DWR. See [Attachment B](#) for proposed screening criteria for these factors.

- 1. Inclusion in the 2013 Bay Area IRWM Plan:** Projects must either be included in the current BAIRWM plan (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 plan (See Chapter 3 of the BAIRWM Plan). Proponents should indicate whether their projects are being modified or are new to the plan. Proponents with projects 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 2015 Round grant. Reimbursements are not expected any sooner than late 2016 and generally funds must be expended within five years with clear project deliverables to be submitted at the end of the grant period. 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.¹ Projects whose primary benefit is to a disadvantaged community (DAC) may qualify for a match waiver. However, the project proponent 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. Prop 84 implementation grant funds are intended for implementation projects rather than planning studies; operations and maintenance of facilities is ineligible.
- 5. Benefit/Cost Analysis:** Proposals should estimate how good a benefit-cost ratio could be provided by the project and the basis for the estimated ratio (either relate to similar projects or provide evidence). Proposals that move forward most likely will have to be able to provide a rigorous Benefits and Cost Analysis (See Exhibit D in the 2012 DWR PSP and "Additional Resources" below).
- 6. Cash for Consultant:** Project proponents will be required to contribute to application preparation costs, which have previously ranged from \$10,000 to \$25,000 per project,

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

depending on the scale. Proponents must indicate their ability to pay an equitable share of the regional application cost.

- 7. Collaboration:** Proposals must demonstrate the support of relevant participants and their consistency with the priorities of regional and/or sub-regional plans and frameworks.
- 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 projects of \$1 million and above.
- 10. Impact/Effect:** For projects that claim a regional benefit, describe how the project is regional in scope and how it serves a greater than local need. How geographically extensive are the benefits of the project? Describe how the project may address regional priorities (refer to [Attachment A](#)) and include a description of project monitoring and evaluation of project goals.

Submittal Procedure

Proposals must be submitted via the IRWM online form that will be posted at www.bairwmp.org. Please update records for any existing projects and/or transfer any 2014 submittals to this new format. All submissions must be posted online by **5:00 p.m. PDT on Monday, April 20th**. Please report any submission problems or any questions by contacting projects@bairwmp.org.

The IRWM Project Screening Committee will review submittals in anticipation of selection of top proposals in early-May 2015.

Contents

Proponents should address all the eligibility factors listed above via the following application sections:

Applicant Info: Specify lead applicant organization and address, including a primary proposal contact name, email and phone. List names of any partnering organizations. Provide project location. Indicate whether project is adopted in BAIRWM plan. Indicate the project proponent's ability to help pay for the regional grant application.

Project Narrative: Provide a description of the project including the general project concept, what will be constructed and/or implemented, and how the project will function.

Detail how the project achieves multiple benefits. Discuss regional and/or sub-regional coordination. Also, discuss where the project provides benefits to a DAC.

Status and Timeline: Be clear on when the overall project is scheduled to start and complete. Indicate status and start and completion timing for milestones such as design, CEQA and permitting, etc.

Project Need/Regional Priorities: Describe the regional need(s) or problem(s) that the project will address. Address relevant regional priorities as applicable.

Project Benefits: Describe the physical benefits of the project, where and how extensively the project's benefits will accrue, and provide a preliminary estimate of benefit/cost.

Project Costs: Provide preliminary budget broken down by key project elements and include proposed and secured matching funding sources.

Plan Goals/Objectives: Describe how the project helps achieve the Bay Area IRWMP goals and objectives.

Background documents: Up to three additional documents may be uploaded to the website. You may include map(s) or photos that illustrate the site and areas of influence for the project.

Questions

For all inquiries, contact 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

ATTACHMENT A

Priority Regional Needs 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.”

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.

ATTACHMENT B**Proposed BAIRWM 2015 Prop 84 Round Screening Criteria**

Proposals will be evaluated on each of the BAIRWM and Eligibility Criteria. Factors are either Screening (Y/N) or Qualitatively Scored (1-6). Relative rankings will be used only as a first pass and will be evaluated along with additional information requested from participants, including specific metrics of benefit (e.g. acre-feet water savings or equiv.) to determine potential packaging options for consideration by the Coordinating Committee.

BAIRWM FACTORS	Factor 1	In Plan?	(Y/N)
		Goals/ Objectives	(1-3 pts) (Total of 200 points allocated among the 5 goals; 10 points per objective until 40 points maximum per goal [for Flood goal, 40 points if all objectives addressed]) - Tier into 3 categories: 1 pt 1-66, 2pt 67-123, 3 pts 124-200
	Factor 2	Readiness to Proceed	(1-3 pts) 1 – conceptual or early planning, 2 – in CEQA or final design phase, 3 – CEQA, all permitting complete, ready to proceed.
	Factor 3	Provides 25% match	(Y/N)
	Factor 4	Provides 2 Physical Benefits	(Y/N)
		Physical Benefits	(1-6) 1 - does not discuss benefits or evidence of minor benefits for project type 3- evidence of moderate benefits for project type 6 - evidence of high level of benefit for project type
	Factor 5	Benefit-Cost	(1- 3) 1- not discussed or B/C below 1 2- B/C between 1-3 3- B/C above 3
	Factor 6	Cash for Consultant	(Y/N)
	Factor 7	Collaboration	(1-3) 1 - does not discuss or only narrow collaboration 2 - moderate level of partners, some limitations to partnership 3 - broad collaboration appropriate to project type
	Factor 8	Degree of Integrated Benefits	(1-4 pts) 1- benefits in only one FA or resource area, 2 - benefits 2 FAs or resource areas, 3 - benefits in 3 FAs or resource areas, 4 - benefits in 4 FAs or resource areas
	Factor 9	Proposal indicates scalability	(Y/N)
	Factor 10	Impact/Effect	(1-3) 1 - does not discuss or impact constrained to approx 1/3 of relevant part of region or less; no relevance to regional priorities 2- brings benefits to a significant proportion of relevant region (up to 2/3); somewhat relevant to regional priorities 3 - benefits large portions in nearly all of relevant region; highly relevant to regional priorities
Eligibility		CASGEM	Proponent has groundwater monitoring authority? Has jurisdiction over a high or medium subbasin? Are those fully claimed?