



NORTH BAY WATER REUSE PROGRAM

Expanding Water Supplies with Regional Reuse



BOARD OF DIRECTORS MEETING

AGENDA

**Monday, October 26, 2015
9:30 A.M.**

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

Consultants and others unable to attend in person may call in: Phone: +1 (602) 567-4030 Access code: 1980; <https://conferencing.brwnncald.com/conference/1980>

1. Call to Order (1 minute)

2. Roll Call (1 minutes)

3. Public Comment (3 minutes)

(Any member of the public may address the Board at the commencement of the meeting on any matter within the jurisdiction of the Board. This should not relate to any item on the agenda. It is the policy of the Authority that each person addressing the Board limit their presentation to three minutes. Any member of the public desiring to provide comments to the Board on an agenda item should do so at the time the item is considered. It is the policy of the Authority that oral comments be limited to three minutes per individual or ten minutes for an organization. Speaker's cards will be available in the Boardroom and are to be completed prior to speaking.)

4. Introductions (2 minutes)

**Action
Pages 3 - 5**

5. Board Meeting Minutes of September 21, 2015 (1 minute)

(The Board will consider approving the minutes from the September 21, 2015 Board meeting.)

**Information
Pages 6 - 18**

6. Report from the Program Manager (2 minutes)

6.a Consultant Progress Reports

(The Board will review the Report from the Program Manager and Consultant Progress Reports.)

**Information
Pages 19 - 27**

7. Financial Report for the Period Ending September 30, 2015 (5 minutes)

(The Board will review the financial report for the period ending September 30, 2015.)

**North Bay Water Reuse Authority • c/o Sonoma County Water Agency • 404 Aviation Boulevard, Santa Rosa, CA 95403
707-235-8965 • NBWRA.org**

Las Gallinas Valley Sanitary District • Napa County • Napa Sanitation District • North Marin Water District • City of Petaluma • Marin County
Novato Sanitary District • Sonoma County Water Agency • Sonoma Valley County Sanitation District • Marin Municipal Water District • City of American Canyon

- Information** **8. Program Development, Federal, and State Advocacy Status Reports (20 minutes)**
(The Board will be updated on the status of Program Development, Federal Advocacy, and State Advocacy.)
- Information** **9. Outreach Program Update (5 minutes)**
(The Board will be updated on the Outreach Program.)
- Information and Discussion** **10. Status Report – North Bay Water Reuse Program Phase 2 and Related Issues (90 minutes)**
Pages 28 – 75
- Phase 2
- Meeting Schedule
 - Phase 2 Feasibility Study Status Report
 - Phase 2 Program Expansion and Budget Impacts
 - Other Potential Budget Impacts
- Related Issues
- NBWRA Beyond Phase 2
 - Plans for Work Study Session
- Action** **11. Approve a modification to the Brown and Caldwell Agreement to use the remaining \$40,931 from Triple Bottom Line in Task 2.4 for other expanded efforts in Task 2.4 and move \$25,000 from Task 5, Grants to Task 1.1, Workshops (3 minutes)**
Page 76
(The Board will discuss and consider approving a modification to the agreement with Brown and Caldwell to reallocate funds with no modification to the FY2015/16 Budget.)
- 12. Adjournment (1 minute)**

Next Board Meeting Monday, December 14, 2015, 9:30 A. M. Novato Sanitary District
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**North Bay Water Reuse Authority
Board of Directors Meeting
Minutes
September 21, 2015**

1. Call to Order

Chair Rabbitt called the meeting to order at 9:37 a.m. on Monday, September 21, 2015 at the Novato Sanitary District, 500 Davidson Street, Novato, CA 94945. Consultants and others who were unable to attend participated via telephone, 1-866-906-7447, passcode 2428170#.

2. Roll Call

PRESENT:	David Rabbitt, Chair	Sonoma County Water Agency
	Bill Long, Vice Chair	Novato Sanitary District
	Keith Caldwell	Napa County
	Rabi Elias	Las Gallinas Valley Sanitary District
	Jack Gibson	Marin Municipal Water District
	Mike Healy	City of Petaluma
	Tim Healy	Napa Sanitation District
	Jason Holley	City of American Canyon (by telephone)
	Pam Jeane	Sonoma Valley County Sanitation District
	John Schoonover	North Marin Water District

ABSENT: Steve Kinsey, Marin County

OTHERS

PRESENT:	Chuck Weir, Program Manager	Weir Technical Services
	Kevin Booker	Sonoma County Water Agency
	Erik Brown	Novato Sanitary District
	Ginger Bryant	Bryant & Associates
	Grant Davis	Sonoma County Water District
	Sandeep Karkal	Novato Sanitary District
	Drew McIntyre	North Marin Water District
	Mark Millan	Data Instincts
	Phillip Miller	Napa County
	Pilar Oñate-Quintana	The Oñate Group
	Larry Russell	Marin Municipal Water District
	Mike Savage	Brown & Caldwell
	Jake Spaulding	Sonoma County Water Agency
	Dawn Taffler	Kennedy Jenks Consultants
	Leah Walker	City of Petaluma
	Mark Williams	Las Gallinas Valley Sanitary District

3. Public Comments

There were no comments from the public

4. Introductions

Introductions were made as there were several new people in attendance.

5. Board Meeting Minutes of July 27, 2015.

A motion by Director Schoonover, seconded by Director Caldwell to approve the July 27, 2015 minutes was unanimously approved.

6. Report from the Program Manager

a. Consultant Progress Reports

The Board reviewed the consultant progress reports for June 2015. The Program Manager highlighted the remaining agenda items.

7. Financial Reports for the Period Ending June 30, 2015 and August 31, 2015

The Board reviewed the Financial Reports and noted that all expenses for Fiscal Year 2014/15 were well within budget. Expenses for Fiscal Year 2015/16 are also tracking within budget.

8. Program Development, Federal, and State Advocacy Update

Pilar Oñate-Quintana discussed state issues including a summary of this session's bills approved and supported by NBWRA. She discussed a possible emerging issue that environmental non-governmental organizations in southern California seem to be supporting Direct Potable Reuse projects over purple pipe projects and that could, if this issue gains momentum, have a negative impact on future state funding for some NBWRA projects. She also discussed plans for a tour for state legislative staff.

Ginger Bryant discussed program development and federal issues, including the very successful Congressional tour, Phase 2 authorization issues, Re-Act legislation, and new outreach efforts. Outreach efforts including a new website, www.westernwaterpriorities.org, and social media presences on Facebook and Twitter. The outreach efforts are to all western states and are intended to support the provisions in Re-Act: RIFIA loans, expanded WaterSMART grants for storage, water recycling and management projects and Transfer of Title provisions. In addition the outreach efforts support Title XVI reform to allow non-authorized projects to compete for grants. She also discussed plans for the next trip to Washington D.C. in the fall.

9. Outreach Program Update.

Mark Millan provided an update for the Board. He provided a demonstration of the new westernwaterpriorities.org website and distributed flyers and business cards that can be used to publicize the efforts. Chair Rabbitt noted that this is a new effort that he discussed with other Board members and approved. A total of \$25,000 was added to Data Instincts budget from unused triple bottom line funding and although this increases Data Instincts budget by \$25,000, this is a reallocation of existing financial resources and resulted in no changes to the total budget or member agency costs.

10. Workshop – North Bay Water Reuse Program Phase 2

Mike Savage and Dawn Taffler discussed the following topics: Extended storage study scope and approach; overview of findings for Napa Sanitation District, Sonoma Valley County Sanitation District, City of Petaluma, and Novato Sanitary District; and insights gained through the process. They discuss the creation of specific fact sheets for each agency that summarize their options and are intended to be used to assist their boards in finalizing projects for the EIR/EIS. It was noted that some projects will be eligible for Title XVI funding and others will need to be funded through other sources that are currently in development.

11. Direction from Board Regarding Communication, Regional Participation and Related Issues

Chair Rabbitt let a discussion on these issues. The goal would be a unified approach for water management and recycling projects for the North Bay Region in order to capitalize on both the strength of the organization, be inclusive of new members, and position for future funding opportunities. Vice Chair Long suggested a workshop to discuss these issues, in addition to how to incorporate current and future projects in studies and potential impacts on the budget for the Phase 2 EIR/EIS. Director Elias asked how agencies not currently participating in Phase 2 could ultimately participate. That topic would also be included in the workshop discussion.

There was also discussion regarding increasing communications and the possibility of holding Board meetings concurrent with TAC meetings. Currently, the Board meets four times per year in January, April, July, and October. The TAC meets immediately after the Board meetings to summarize action items. The TAC also meets the month before Board meetings to develop items for action by the Board. Following discussion, the Board members supported the idea of holding joint Board/TAC meetings for planning purposes in the months prior to the four regular Board meetings. The Program Manager noted that adding these additional meetings for the Board would not have any impact on the budget.

It was agreed that the consultants would develop framework alternatives in support of the direction provided by the Board and be prepared to discuss them at the October 26, 2015 Board meeting. It was also agreed that the December 14, 2015 TAC meeting would be modified to include the Board.

As action items, for the October 26, 2015 meeting the consultant team will develop alternatives for consideration in a possible workshop to be held before the end of 2015; and the December 14 meeting will be a combined Board/TAC meeting.

12. Adjournment

Chair Rabbitt adjourned the meeting at 12:10 p.m. The next meeting will be Monday, October 26, 2015 at 9:30 a.m. at Novato City Hall Council Chambers.

Minutes approved by the Board _____.

Charles V. Weir
Program Manager

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Agenda Explanation
 North Bay Water Reuse Authority
 Board of Directors
 October 26, 2015

ITEM NO. 6 REPORT FROM THE PROGRAM MANAGER

The September 2015 Report from the Program Manager includes the following item:

Item No. 6.a. Consultant Progress Reports

Attached are the consultant progress reports for July, August, and September 2015, not previously included in an Agenda Packet. The consultants will be available to respond to any questions from the Board.

Following is a brief description of other Agenda items:

Item No. 7. Financial Report for the Period Ending September, 30 2015

This item includes the regular consultant cost tracking as well as spreadsheets maintained by Sonoma County Water Agency. Please refer to the separate report for this item.

Item No. 8. Program Development, Federal, and State Advocacy Status Report

Ginger Bryant and Pilar Oñate-Quintana will provide a presentation on these topics. Topics will include the October 8, 2015 State Tour, federal and state legislation update, and plans for the next Washington D.C. tour.

Item No. 9. Outreach Program Update

Mark Millan will provide an update for the Board.

Item No. 10. Workshop - North Bay Water Reuse Program Phase 2 and Related Issues

The consultant team will lead the Board and TAC in a discussion of Phase 2 and related issues. Topics to be discussed include the following:

Phase 2

- Meeting Schedule
- Phase 2 Feasibility Study Status Report
- Phase 2 Program Expansion and Budget Impacts
- Other Potential Budget Impacts

Related Issues

- NBWRA Beyond Phase 2
- Plans for Work Study Session

Item No. 11. Approve a modification to the Brown and Caldwell Agreement to use the remaining \$40,931 from Triple Bottom Line in Task 2.4 for other expanded efforts in Task 2.4 and move \$25,000 from Task 5, Grants to Task 1.1, Workshops

These modifications have been fully described in the PowerPoint presentation in Agenda Item No. 10. Since there is no change to the FY2015/16 Budget or Member Agency cost allocations, items such as this are usually addressed by the TAC. However, since the Board now plans on meeting more often, there is no reason to not have the Board approve this and similar items. Please refer to the separate report for this item.

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

Bryant & Associates/Program Development Services

July Activity Summary

- Prepared for and attended Water Reuse AZ conference in Flagstaff in support of Re-Act
- Distributed S.1894 to Board and TAC
- Activities in coordination with The Ferguson Group:
 - Continued to work on 'authorization fix' language with Reclamation
 - Planned for and attended Western States Water Council presentation in Lake Tahoe in support of RE-Act
 - Provided information to Sen. Feinstein's offices re: RE-Act provisions
 - Continued Planning for Congressional Staff Tour

The Ferguson Group/Federal Advocacy Services

July 2015 Activity Summary

- **RE-Act/RIFIA Proposal.**—TFG continued to work with Ginger Bryant and others to build support for the Reclamation Efficiency Act (RE-ACT) proposal. Meetings were held with congressional offices, including the office of Senator Dianne Feinstein and Representative Jared Huffman, on their respective drought relief bills. The work culminated with the introduction of S. 1894 by Senators Feinstein and Barbara Boxer. As reported previously, the bill includes a number of provisions of direct benefit to the North Bay Water Reuse Authority (NBWRA) and its member agencies. Specifically, the bill authorizes the Reclamation Infrastructure Finance and Innovation Act (RIFIA), which would be a source of low-cost, long-term financing for the NBWRA program, and additional grant funding opportunities under WaterSMART and Title XVI. The legislation also encourages the Department of Interior Secretary to prioritize assistance under these provisions to projects with characteristics similar to those of the NBWRA projects.
- **Phase 2 Authorization.**—Mark Limbaugh and Roger Gwinn met earlier this month with Commissioner Estevan Lopez and his staff regarding the proposed language to address the Phase 2 authorization ambiguities in the Fiscal Year 2017 budget request or in drought relief legislation that is currently making its way through Congress. That meeting resulted in agreement that we would work to secure official or direct communication from the Office of Management and Budget to the Bureau of Reclamation regarding support for the proposed language to address the Phase 2 authorization ambiguities. That work is in progress. The Phase 2 authorization language is also being reviewed, again, by the Department of Interior solicitor's office to ensure there are no further adjustments that need to be made to the language.
In parallel with work with the Administration, TFG is working with the delegation to advance the Phase 2 fix language. Representative Mike Thompson has sent the language to House Legislative Counsel's office to have the measure drafted up as a free-standing piece of legislation. Representative Huffman has expressed support for that approach as well and for addressing the issue in the context of the drought relief legislation. Senator Feinstein's office, prior to introduction of S. 1894, indicated a willingness to consider addressing the issue as the bill moves through the process, but declined to include it in

the bill as introduced. In the coming weeks and months, addressing the Phase 2 issue will be a priority for TFG and the NBWRA.

- **Congressional Staff Water Tour.**—TFG is working with the NBWRA on a congressional staff tour of the North Bay facilities and program area. The tour will provide an opportunity to convey the importance of federal support for water reuse programs, like the North Bay program, and the many benefits of an integrated, regional program that is creating new water supplies for municipal and industrial purposes, as well as agriculture and the environment. The tour will include key staff who will be involved in putting together the final drought relief bill, so it will be an important opportunity to advocate for the provisions of the Feinstein bill and the proposed Phase 2 authorization language.
- **Washington Meetings in September.**—TFG began working with the NBWRA to prepare for a trip to Washington in mid-September. The meetings will provide an important opportunity for the Authority to impress upon lawmakers the importance of the entire package of assistance provided for in S. 1894 and the need for additional language to address the Phase 2 authority ambiguities.
- **Western States Water Council.**—TFG participated in the Western States Water Council Summer meeting with NBWRA Chairman David Rabbitt to talk about the RIFIA/RE-Act proposal and the successes of the North Bay project.
- **Arizona Water Reuse 2015 Conference.**—TFG helped prepare Ginger Bryant for her presentation on RIFIA/RE-Act at the Arizona WaterReuse conference in Flagstaff, AZ.
- **USDA Programs.**—TFG continued to work with the NBWRA on opportunities for financial support through various USDA programs, including the Regional Conservation Partnership Operations Program and the Natural Resources Conservation Service Watershed and Flood Prevention Program.

The Oñate Group/State Advocacy Services

July 2015 Activity Summary

- Provided update to board via conference call. (Re: SWRCB guidelines efforts and outcome, current legislation, intended state tour, etc.)
- Continued to monitor ACWA and WaterReuse for issues/updates of potential interest.
- Initiated initial planning for proposed fall state tour.
- Provided information to program manager regarding expiration of the SWRCB 1 percent loan program (upon request).

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

Bryant & Associates/Program Development Services

August 2015 Activity Summary

- Participated in monthly program management call
- Participated in phone calls, reviewed and responded to southern CA agency letters re: RE-Act
- Worked with Data Instincts on Extended Outreach Program materials in support of RE-Act
- Planned for State Representative Staff tour with Onate Group
- Participated in calls and emails to prepare member agencies for Congressional staff tour
- Activities in coordination with The Ferguson Group:
 - Participated in the Congressional Staff Tour
 - Planned for Washington DC trip September 15-17

The Ferguson Group/Federal Advocacy Services

August 2015 Activity Summary

- **Congressional Staff Water Tour.**—TFG worked with the NBWRA on a congressional staff tour of the North Bay facilities and program area. The tour, which was a great success, included representatives of six congressional offices and provided an opportunity to convey the importance of federal support for water reuse programs, like the North Bay program, and the many benefits of an integrated, regional program that is creating new water supplies for municipal and industrial purposes, as well as agriculture and the environment. The tour included key staff who will be involved in putting together the final drought relief bill. It also created an important opportunity to advocate for the provisions of the Feinstein bill and the proposed Phase 2 authorization language. The tour itself, was exceptional. The presentations were both informative and engaging. The materials prepared by NBWRA staff and consultants were exceptional.
- **RE-Act/RIFIA Proposal.**—TFG continued to work with Ginger Bryant and others to build support for the Reclamation Efficiency Act (RE-ACT) proposal. Meetings were held with key congressional staff and committee offices. Work continued on follow up on the introduction of S. 1894 by Senators Dianne Feinstein and Barbara Boxer. As reported previously, the bill includes a number of provisions of direct benefit to the North Bay Water Reuse Authority (NBWRA) and its member agencies. Specifically, the bill authorizes the Reclamation Infrastructure Finance and Innovation Act (RIFIA), which would be a source of low-cost, long-term financing for the NBWRA program, and additional grant funding opportunities under WaterSMART and Title XVI. The legislation also encourages the Department of Interior Secretary to prioritize assistance under these provisions to projects with characteristics similar to those of the NBWRA projects.
- **Phase 2 Authorization.**—Work continued on the proposed language to address the Phase 2 authorization ambiguities in the Fiscal Year 2017 budget request or in drought relief legislation that is currently making its way through Congress. The Phase 2 authorization language continues to be reviewed by the Office of Management and Budget and the Department of Interior solicitor's office to ensure there are no further adjustments that need to be made to the language. In parallel with work with the Administration, TFG is working

with the delegation to advance the Phase 2 fix language. Representative Mike Thompson continues to prepare the language for introduction in September. Representative Huffman has expressed support for that approach as well and for addressing the issue in the context of the drought relief legislation. Senator Feinstein's office, prior to introduction of S. 1894, indicated a willingness to consider addressing the issue as the bill moves through the process, but declined to include it in the bill as introduced. In the coming weeks and months, addressing the Phase 2 issue will be a priority for TFG and the NBWRA.

- ***Washington Meetings in September.***—TFG continued work with the NBWRA to prepare for the Washington meetings in mid-September. The meetings will provide an important opportunity for the Authority to impress upon lawmakers the importance of the entire package of assistance provided for in S. 1894 and the need for additional language to address the Phase 2 authority ambiguities.

The Oñate Group/State Advocacy Services

August 2015 Activity Summary

- Continued to attend/monitor ACWA and Watereuse for issues/updates of potential interest.
- Worked to inform Board/TAC of potential state tour dates, coordinated/participated in call with key NBWRA staff re: tour costs and logistics, participated in call with NBWRA Program Development and PR staff re: potential state fall tour itinerary, etc.
- Developed AB 786 (Levine) support letter draft and coordinated forwarding to Assemblymember Levine office.

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

Bryant & Associates/Program Development Services

September Activity Summary

Activity Summary

- Participated in monthly Program Development Team management call
- Participated in monthly consulting team call
- Worked with Data Instincts on Extended Outreach Program and Washington DC meeting materials in support of RE-Act
- Met with City of Santa Rosa re: interest in NBWRP
- Discussed RE-Act with other water user interests
- Planned for State Representative Staff tour with Onate Group
- Planned for and attended Board and TAC meeting in Novato on September 21
- Activities in coordination with The Ferguson Group:
 - Washington DC trip September 15-17 and associated follow up activities – please see the following meeting schedule

**NORTH BAY WATER REUSE PROGRAM
Meeting Schedule for Washington, DC
September 15-17, 2015**

Tuesday, September 15

6:30 p.m. **Briefing Dinner** at Fiola Mare (*reservation under R. Gwinn for 7 people*)
3050 K Street, N.W. Phone (202) 628-0065

Wednesday, September 16

10:00 a.m. **Christopher Kearney**, Budget Analyst and Senior Professional Staff Member
(majority)

Senate Energy and Natural Resources Committee
304 Dirksen Senate Office Building
Phone (202) 224-4971

11:00 a.m. **Jen Burks**, Legislative Assistant
 Chris Cryan, Legislative Correspondent
 Office of Senator Mazie Hirono (D-HI)
 330 Hart Senate Office Building
 Phone (202) 224-6361 (Anthony Lopez)

11:30 a.m. **John Watts**, Legislative Director
 James Peterson, Natural Resources Counsel
 Kenneth Rooney, Legislative Assistant
 Office of Senator Dianne Feinstein

331 Hart Senate office Building
Phone (202) 224-3841

12:15 p.m. **Meghan Marino**, Senior Policy Advisor
Office of Representative Steve Daines (R-MT)
320 Hart Senate Office Building
Phone (202) 224-2651 (Chelsea Quinn)

12:30 p.m. **Anne Clement**, Legislative Assistant
Alesandra Najera, Legislative Aide
Office of Senator Barbara Boxer
112 Hart Senate Office Building
Phone (202) 224-3553

1:00 p.m. **Jeff Small**, Legislative Director
Office of Representative Paul Gosar (R-AZ)
504 Cannon House Office Building
Phone (202) 225-2315 (Leslie Foti)

2:00 p.m. **Kevin Eastman**, Legislative Director
Representative Doug LaMalfa
322 Cannon House Office Building
Phone (202) 225-3076 (Caitlin Dorman)

2:00 p.m. **Gezime Christian**, Presidential Management Fellow
Energy, Science and Water Division, Natural Resources Programs
Office of Management and Budget
New Executive Office Building, 725 17th Street, N.W., Room 8116
Phone (202) 395-9145 (Sherron White)

3:00 p.m. **Kris Kiefer**, Legislative Assistant
Chuck Podolak, Legislative Fellow
Office of Senator Jeff Flake (R-AZ)
413 Russell Senate Office Building
Phone (202) 224-4521 (Elizabeth Berry)

3:00 p.m. **Cole Rojewski**, Deputy Chief of Staff
Kristina Dunklin, Legislative Director
Office of Representative David Valadao
1004 Longworth House Office Building

4:00 p.m. **Representative Mike Thompson**
Allison Colden, Ph.D., John A. Knauss Marine Policy Fellow
231 Cannon House Office Building
Phone (202) 225-3311 (Jennifer Dale)

4:45 p.m. **Alexandra Berenter**, Legislative Assistant
Office of Representative Ken Calvert

2205 Rayburn House Office Building
Phone (202) 225-1986 (Tricia Evans)

5:30 p.m. **Philip Newman**, Legislative Assistant
Office of Senator Cory Gardner (R-CO)
354 Russell Senate Office Building
Phone (202) 224-5941 (Amy Barrera)

7:30 p.m. **Dinner** with Logan Ferree, Senior Legislative Assistant, Office of Rep. Huffman
Capitol City Brewing Company (*reservation under Brad Sherwood for 7 people*)
1100 New York Ave. N.W. Phone (202) 628-2222

Thursday, September 17

10:00 a.m. **Grayford Payne**, Deputy Commissioner for Policy, Administration and Budget
Robert W. Wolf, Director, Program and Budget
Jeff Rieker, Ph.D. Mid-Pacific Regional Liaison
Bureau of Reclamation, U.S. Department of the Interior
1849 C Street, NW, Room 7658
Phone (202) 513-0509 (LaWanda Oates)

11:30 a.m. **Brian Clifford**, Legislative Assistant,
Office of Senator John Barrasso (R-WY)
307 Dirksen Senate Office Building
Phone (202) 224-0800

12:30 p.m. **Representative Jim Costa**
J. Scott Petersen, PE, Deputy Chief of Staff
1314 Longworth House Office Building
Phone (202) 225-3341 (Claudia Santiago)

2:00 p.m. **Representative Jared Huffman**
Logan Ferree, Senior Legislative Assistant
Matthew Muirragui-Villagomez, House Committee on Natural Resources
1630 Longworth House Office Building
Phone (202) 225-5161 (Kellie Luke)

The Ferguson Group/Federal Advocacy Services

September 2015 Activity Summary

- **Washington, DC Meetings.**—TFG organized and scheduled 17 meetings for representatives of the North Bay Water Reuse Authority with administration and congressional leaders over a day and a half (September 16 and 17). TFG worked with other North Bay consultants to prepare materials used in the meetings and to brief North Bay board members and staff regarding the objectives of each meeting. The meetings focused on advancing North Bay priorities under discussion in currently pending drought relief legislation and on efforts to address issues related to the construction authorization for Phase 2 of the North Bay program. During the balance of the month, following the meetings, TFG consulted with a

number of the offices on matters raised during the meetings. TFG also met separately with Representative Mike Thompson where North Bay concerns were raised and addressed.

- **RE-Act/RIFIA Proposal.**—TFG continued to work with Ginger Bryant and others to build support for the Reclamation Efficiency Act (RE-ACT) proposal. Meetings were held with key congressional staff and committee offices. Work continued on follow up on the introduction of S. 1894 by Senators Feinstein and Barbara Boxer. As reported previously, the bill includes a number of provisions of direct benefit to the North Bay Water Reuse Authority (NBWRA) and its member agencies. Work continued on educational/advocacy efforts, providing input on the WesternWaterPriorities.org website development and preparation for the October 8th Senate hearing on S. 1894 and other drought relief measures.
- **Phase 2 Authorization.**—Work continued on the proposed language to address the Phase 2 authorization ambiguities in the Fiscal Year 2016 appropriations process and/or pending drought legislation. Discussions occurred with the Office of Management and Budget and others regarding support for addressing DOI concerns in statutory language. As a follow up to the DC meetings, TFG also worked with the offices of Representatives Jared Huffman and Mike Thompson to prepare for a briefing from Reclamation and the Department of the Interior's solicitor's office regarding DOI's Phase 2 concerns.
- **Planning for Washington Meetings in November.**—TFG began work with the NBWRA to prepare for Washington meetings in mid-November. The meetings will provide an important opportunity for the Authority to continue to impress upon lawmakers the importance of the entire package of assistance provided for in S. 1894 and the need for additional language to address the Phase 2 authority ambiguities.

The Oñate Group/State Advocacy Services

September 2015 Activity Summary

- Continued to attend/monitor ACWA and WateReuse for issues/updates of potential interest.
- Continued to coordinate with NBWRA staff and consultants regarding an October 8 state tour date. Sent invitations and updates accordingly.
- Attended September Board meeting.
- Provided information/analysis re: potential Meral water bond.
- Gathered initial information regarding Hertzberg legislation re: recycled water and confirmed it will not be pursued until the Legislature reconvenes in January.



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

ACTIVITIES: AUGUST 21, 2015 THROUGH SEPTEMBER 30, 2015

TASK 1 WORKSHOPS/PUBLIC OUTREACH/MANAGEMENT

1.1 Workshops

- Preparation and attendance at August 27, 2015 Board and TAC meetings
- Preparation and attendance at September 21, 2015 Board and TAC Meetings

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.
- Participate in coordination of RE-Act repositioning plan, develop name and approach. Coordinate implementation of design of new website, Twitter and Facebook related pages to support Western Water Priorities platform.
- Prepare draft layouts, text and maps for September 14-17 lobbying effort in DC. Participate on planning conference calls, finalize copy and materials needed.
- Prepare draft layouts, text and maps for October 8th state legislative staff tour handouts. Participate on planning conference calls, work with each utility to finalize copy and planning for each of the 6 tour stops
- Phone calls with project team members for collaboration on preparation of upcoming TAC & Board Workshop and Meetings.
- Attend TAC & Board meetings.
- Updating and maintaining relevant program content and news articles on project web site.
- Provide project information to Board & TAC members as requested.
- Prepare draft layouts, text and maps for August 20th congressional staff tour handouts. Participate on planning conference calls, work with each utility to finalize copy and mapping for each of the 7 tour stops.
- Participate on the August 20th congressional staff tour. Assist with logistics and driving guests. Take photographs and make available to Ferguson Group and project team. File images for future use as needed. Prepare draft layouts, text and maps for August 20th congressional staff tour handouts.

1.4 Administration

- Performed project invoicing and developed activities report
- Updated subconsultant agreements for FY 15/16 activities
- Coordinated with SCWA for Contract Amendment

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

- Prepared materials for Member Agency meetings to clarify projects and review storage projects and needs. Materials prepared for:
 - Novato SD
 - Petaluma
 - Napa SD
 - SCWA/SVCSD
- Attended meetings with agencies to review operations studies, storage sites, and assumptions:
 - Novato SD
 - Petaluma
 - Napa SD
 - SCWA/SVCSD
- Conducted follow-up calls and e-mails to clarify information
- Updated draft Fact Sheets for Extended Storage Study based on agency meetings
- Revised operations studies to determine seasonal storage requirements for discussion at Member Agency meetings
- Update projects list based on agency meetings
- Consultant team conference calls to review agency materials

Activities cover the following subtasks:

- 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

- Evaluate potential Phase 2 Program changes and impacts

TASK 6 PHASE 1 SERVICES

6.1 Program Support and Coordination

- Provided support to provide a final Phase 1 Feasibility Report with Engineer's stamp as now required for SRF loans

6.2 State Grant Support

- No Activity

6.3 Federal Grant Support

- No Activity

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

September 2015 Progress Report

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

- Contacted City of Novato regarding setting up conference call in Council Chambers.
- Contacted Board Chair regarding agenda item to discuss communication and regional participation.
- Drafted Board agenda and sent to Chair for Review. Also sent to consultant team for comments. Revised order of items per consultant request.
- Reviewed material for State tour and distributed to Board and TAC. Reviewed comments and questions regarding text of material.
- Drafted topic list for consultant conference call and participated in call on September 14, 2015.
- Finalized Board agenda and sent to member agencies for Brown Act posting.
- Prepared and distributed Board and TAC agenda packets for September 21, 2015 meetings.
- Reviewed, commented, and finalized Phase 2 PowerPoint for Board meeting. Revised and redistributed agenda packet to include PowerPoint.
- Reviewed and responded to email questions regarding Board and TAC meetings, attendance, and call in information.
- Traveled to and from Pleasanton to Novato to attend September 21, 2015 Board and TAC meetings.
- Drafted minutes and action item list for September 21, 2015 Board and TAC meetings and distributed for review and comment. Revised minutes based on comments received.
- Copied text from PowerPoint to word document to incorporate into revised Board agenda packet such that it could be made ADA compliant and sent to outreach consultant for website posting. Did same with approved minutes.
- Sent updated outlook appointment for December 14, 2015 to include both Board and TAC meetings.
- Reviewed various news articles distributed by outreach consultant.
- Updated distribution lists.

2.2 Task 2: Financial Management

- Reviewed and reconciled final Agency spreadsheet for FY2014/15 with consultant cost tracking. Modified consultant cost tracking spreadsheet to include both FY2014/15 and FY2015/16 through August 2015.

2.3 Task 3: Project Support and Review

- There was no activity on this task during the reporting period.

2.4 Task 4: Program Planning

- There was no activity on this task during the reporting period.

2.5 Task 5: Governance Issues

- There was no activity on this task during the reporting period.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
October 26, 2015

ITEM NO. 7 FINANCIAL REPORT FOR THE PERIOD ENDING SEPTEMBER 30, 2015

Action Requested: None at this time.

The following items are attached for the Board's information:

- a. Consultant Cost Tracking for FY2015/16 through September 30, 2015
- b. FY2015/16 Monthly Project Cost Summary as of October 21, 2015
- c. FY2015/16 Budget Allocations as of October 21, 2015
- d. FY2015/16 Transaction Summary as of October 21, 2015
- e. FY2015/16 Interest Earned

Items a.-e. are summaries for FY2015/16. In the Consultant Cost Tracking spreadsheet costs by month are shown by column across the top. Only the first three months of the fiscal year are shown, but data from July 2014 through June 2016 is included. Total costs for the two fiscal years are included. Percent remaining is based on the total budget for the two fiscal years. The rest of the SCWA items are as described above, except the data is for FY2015/16. Through September 30, 2015 all items are tracking normally. Item d., Transaction Summary includes a new spreadsheet to show discretionary expenses not budgeted. Associate member dues are used for these expenses.

Recommendation

None at this time.

North Bay Water Reuse Authority
 Consultant Cost Tracking
 Fiscal Year 2014/15 through Fiscal Year 2016/17

October 22, 2015

Only FY2014/15 has been approved	Jul-15	Aug-15	Sep-15	FY14/15 Final	FY15/16 YTD	2 FY Total	Amount Remaining	Percent Remaining	Approved 5/19/14	Approved 4/27/15	Proposed	Proposed
Phase 1 Support									FY2014/15	FY2015/16	FY2016/17	3-Year Total
Grant Applications and Management - CDM Smith	-	-	-	20,122	-	20,122	29,560	23.65%	125,000	-	-	-
Grant Applications and Management - B&C	2,419	11,078	2,880	50,453	16,377	66,830	83,796	55.63%	72,628	77,998	46,993	197,619
Program Development (40% of \$190,200 total) - Bryant	6,514	6,514	6,908	81,743	19,936	101,679	50,481	33.18%	76,080	76,080	76,080	228,240
Federal Advocacy (30% of \$88,000 total) - TFG sub to Bryant	2,596	2,596	2,706	33,282	7,899	41,180	11,620	22.01%	26,400	26,400	26,400	79,200
Total Costs for Phase 1 Support	11,529	20,188	12,495	185,600	44,211	229,812	145,896	41.03%	175,108	180,478	149,473	505,059

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

Note: June 2015 also includes a charge from ESA of \$2948.75 for environmental analysis not included in the totals above. It was charged to a previously approved agreement and budget.

Phase 2 Support									FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$190,200 total) - Bryant	9,771	9,771	10,363	142,788	29,904	172,692	55,548	24.34%	114,120	114,120	114,120	342,360
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	6,058	6,058	6,315	77,657	18,430	96,087	27,113	22.01%	61,600	61,600	61,600	184,800
Total Costs for Phase 2 Support	15,828	15,828	16,677	220,446	48,334	268,779	82,661	47.04%	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	89,522	77,845	121,218	460,660	288,584	749,245	1,005,726	57.31%	823,335	931,636	1,063,789	2,818,760
SCWA Administration - Grants and EIR/EIS	5,972	1,564	1,564	21,111	9,100	30,211	218,830	87.87%	116,836	132,205	150,958	400,000
Total Costs for Study	95,494	79,409	122,782	481,771	297,685	779,456	1,224,557	61.11%	940,171	1,063,841	1,214,747	3,218,760
Total Costs for Phase 2	111,322	95,237	139,459	702,217	346,018	1,048,235	1,307,217	55.50%	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	6,725	1,893	5,114	46,917	13,732	60,649	85,351	58.46%	70,500	75,500	75,500	221,500
State Advocacy - The Onate Group (Sub to Bryant)	3,000	3,000	3,000	45,000	9,000	54,000	18,000	25.00%	36,000	36,000	36,000	108,000
SCWA Administration	14,990	9,607	17,170	73,702	41,767	115,468	154,532	57.23%	135,000	135,000	135,000	405,000
Total Costs for Joint Use	24,715	14,499	25,284	165,619	64,499	230,117	257,883	52.84%	241,500	246,500	246,500	734,500

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

Total Costs									FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	6,725	1,893	5,114	46,917	13,732	60,649	85,351	58.46%	70,500	75,500	75,500	221,500
Bryant & Associates	27,938	27,938	29,292	308,725	85,168	393,893	234,507	37.32%	314,200	314,200	314,200	942,600
Brown & Caldwell	91,941	88,923	124,098	494,736	304,962	799,698	1,105,899	58.03%	895,963	1,009,634	1,110,782	3,016,379
CDM Smith	-	-	-	20,122	-	20,122	29,560	23.65%	-	-	-	-
SCWA Administration	20,962	11,170	18,734	94,813	50,867	145,680	373,362	71.93%	251,836	267,205	285,958	805,000
Total Costs for NBWRA	147,566	129,924	177,238	945,191	454,728	1,399,919	1,799,120	56.24%	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 in prior fiscal years.

**North Bay Water Reuse Authority
Monthly Project Cost Summary
as of October 21, 2015**

TOTAL FY 15/16 PROJECT COSTS

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir Technical Services	109,733	-	109,733	109,733	-	109,733	-	8,618	101,115	92.1%
Planning, Engineering and Funding Management	B&C	1,412,861	(24,000)	1,388,861	1,412,861	(24,000)	1,388,861	-	180,864	1,207,997	87.0%
Program Development and Federal Funding	Bryant & Associates	319,648	24,000	343,648	319,648	24,000	343,648	-	40,363	303,285	88.3%
SCWA Administration	SCWA	425,231	-	425,231	425,231	-	425,231	-	50,800	374,432	88.1%
TOTAL BUDGET		\$ 2,267,473	\$ -	\$ 2,267,473	\$ 2,267,473	\$ -	\$ 2,267,473	\$ -	\$ 280,645	\$ 1,986,829	87.6%

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. Carryover from FY14/15 included

FY14/15 Agreement Rollovers

Project	Consultant	Original Budget	Amend	Carryover	Original Contract (remaining)	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management (Joint Use)	Weir	34,233	-	34,233	34,233	-	34,233	-	8,618	25,615	74.8%
Planning, Engineering and Funding Management PHASE 1	B&C	38,552	-	38,552	38,552	-	38,552	-	13,497	25,055	65.0%
Planning, Engineering and Funding Management PHASE 2	B&C	364,675	-	364,675	364,675	-	364,675	-	167,367	197,308	54.1%
Program Development and Federal Funding PHASE 1	Bryant & Associates	1,840	-	1,840	1,840	-	1,840	-	1,840	(0)	0.0%
Program Development and Federal Funding PHASE 2	Bryant & Associates	3,608	-	3,608	3,608	-	3,608	-	3,608	0	0.0%
SCWA Administration PHASE 2	SCWA	95,725	-	95,725	95,725	-	95,725	-	9,100	86,625	90.5%
SCWA Administration Joint Use	SCWA	62,301	-	62,301	62,301	-	62,301	-	41,699	20,602	33.1%
TOTAL BUDGET		\$ 600,934	\$ -	\$ 600,934	\$ 600,934	\$ -	\$ 600,934	\$ -	\$ 245,730	\$ 355,205	59.11%

1. GBA carryover is for expenses

\$ 600,934

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	77,998	-	77,998	77,998	-	77,998	-	-	77,998	100.0%
Program Development & Federal Advocacy	Bryant & Associates	102,480	-	102,480	102,480	-	102,480	-	16,695	85,785	83.7%
TOTAL BUDGET		\$ 180,478	\$ -	\$ 180,478	\$ 180,478	\$ -	\$ 180,478	\$ -	\$ 16,695	\$ 163,783	90.75%

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	931,636	(24,000)	907,636	931,636	(24,000)	907,636	-	-	907,636	100.0%
Program Development & Federal Advocacy	Bryant & Associates	175,720	24,000	199,720	175,720	24,000	199,720	-	12,220	187,500	93.9%
Administration - Grants and EIR/EIS	SCWA	132,205	-	132,205	132,205	-	132,205	-	-	132,205	100.0%
TOTAL BUDGET		\$ 1,239,561	\$ -	\$ 1,239,561	\$ 1,239,561	\$ -	\$ 1,239,561	\$ -	\$ 12,220	\$ 1,227,341	99.01%

1. Amendment in process. (remove TBL, move \$24k to GBA, shift funds amongst tasks)

2. \$24,000 amendment for TFG Legislative work (funded by transfer from pending B&C agreement modification)

Joint Use

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir	75,500	-	75,500	75,500	-	75,500	-	-	75,500	100.0%
State Funding / State Outreach	Bryant & Associates	36,000	-	36,000	36,000	-	36,000	-	6,000	30,000	83.3%
Admin Agency Services	SCWA	135,000	-	135,000	135,000	-	135,000	-	-	135,000	100.0%
TOTAL BUDGET		\$ 246,500	\$ -	\$ 246,500	\$ 246,500	\$ -	\$ 246,500	\$ -	\$ 6,000	\$ 240,500	97.57%

Total FY14/15 Budget for all Phases	\$1,666,539
Total including rollovers from FY14/15 & amendments	\$2,267,473

2015/16 Budget Allocations

PHASE 1									
Approved by Board May 19, 2014 Reapproved FY 15/16 on April 27, 2015									
	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	\$ 77,998	\$ 5,646	\$ 24,877	\$ 6,716	\$ 21,428	\$ 2,786	\$ 2,786	\$ 13,759	
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	\$ 180,478	\$ 13,065.00	\$ 57,562.00	\$ 15,541.00	\$ 49,582.00	\$ 6,446.00	\$ 6,446.00	\$ 31,836.00	

PHASE 2										
<i>Approved by Board May 19, 2014</i> <i>Reapproved FY 15/16 on April 27, 2015</i>										
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	\$ 931,636	\$ -	\$ 327,821	\$ 248,576	\$ 36,440	\$ 101,417	\$ -	\$ 217,382	\$ -	
SCWA Administration - Grants and EIR/EIS	\$ 132,205	\$ -	\$ 46,520	\$ 35,275	\$ 5,171	\$ 14,392	\$ -	\$ 30,848	\$ -	
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL CONSULTANT BUDGET	\$ 1,239,561	\$ -	\$ 436,173	\$ 330,736	\$ 48,484	\$ 134,937	\$ -	\$ 289,231	\$ -	

Joint Use										
<i>Approved by Board May 19, 2014</i> <i>Reapproved FY 15/16 on April 27, 2015</i>										
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	\$ 75,500	\$ 9,438	\$ 9,438	\$ 9,438	\$ 9,438	\$ 9,438	\$ 9,438	\$ 9,438	\$ -	
State Advocacy - The Onate Group (Sub to Bryant)	\$ 36,000	\$ 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	\$ -	
Contingency - included in consultant costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL CONSULTANT BUDGET	\$ 246,500	\$ 30,812	\$ 30,812	\$ 30,813	\$ 30,813	\$ 30,812	\$ 30,812	\$ 30,813	\$ 30,813	\$ -

Totals - As Budgeted										
<i>Approved by Board May 19, 2014</i> <i>Reapproved FY 15/16 on April 27, 2015</i>										
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	\$ 180,478	\$ 13,065	\$ 57,562	\$ 15,541	\$ 49,582	\$ 6,446	\$ 6,446	\$ 31,836	\$ -	\$ -
Total Phase 2 FY13/14	\$ 1,239,561	\$ -	\$ 436,173	\$ 330,736	\$ 48,484	\$ 134,937	\$ -	\$ 289,231	\$ -	\$ -
Total Joint Phase FY13/14	\$ 246,500	\$ 30,812	\$ 30,812	\$ 30,813	\$ 30,813	\$ 30,812	\$ 30,812	\$ 30,813	\$ 30,813	\$ -
Total Phase 1, 2 and Joint FY13/14	\$ 1,666,539	\$ 43,877	\$ 524,547	\$ 377,090	\$ 128,879	\$ 172,195	\$ 37,258	\$ 62,649	\$ 320,044	\$ -

Notes:

\$1 subtracted to correct rounding issues

North Bay Water Reuse Authority
July 1, 2015 to Date Transaction Summary
as of October 21, 2015
PHASE 1

Item No. 7.d

Date	Description	Amount		
	Beginning Balance	137,183.22	b	
9/9/2015	Bryant & Associates July 2015 (Split 9109.87)	(1,840.39)	p	ba1
9/9/2015	Bryant & Associates July 2015 (Split 9109.87)	(7,269.48)		ba2
9/10/2015	Brown & Caldwell Invoice 11249160	(2,419.15)	p	bc1
9/16/2015	LGVSD - Phase I Fee (WTRN-11)	13,065.00	d	
9/16/2015	County of Napa - Phase I Fee (WTRN-9)	6,446.00	d	
9/16/2015	Napa San - Phase I Fee (WTRN-8)	57,562.00	d	
9/16/2015	Bryant & Associates August 2015	(9,425.28)	p	ba2
9/28/2015	NMWD - Phase I Fee (WTRN-10)	31,836.00	d	
10/1/2015	Brown & Caldwell Invoice 11250860	(11,077.99)	p	bc1
10/1/2015	SCWA - Phase I Fee (WTRN-1)	6,446.00	d	
10/2/2015	Novato San - Phase I Fee (WTRN-7)	15,541.00	d	

Current NBWRA Balance	236,046.93
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PENDING

SVCSO - Phase I Fee (WTRN-2)	49,582.00	d	
Bryant & Associates September 2015	(9,614.60)		ba2
Brown & Caldwell Invoice 11252901	(2,880.00)		bc1

Projected Balance	273,134.33
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NBWRA Reconciliation		
Beginning Balance	137,183.22	b
Deposits	130,896.00	d
Interest Earnings	-	i
Payments	(24,762.81)	p
Total	243,316.41	

Las Galinas	Napa	Novato	SVCSO	SCWA	Napa County	North Marin Water Dist.
6,354.95	45,238.53	8,526.91	38,256.59	5,633.90	5,487.92	27,684.99
(133.22)	(586.98)	(158.48)	(505.61)	(65.73)	(65.73)	(324.64)
(175.12)	(771.57)	(208.32)	(664.61)	(86.40)	(86.40)	(426.74)
13,065.00					6,446.00	
	57,562.00					
(682.28)	(3,006.14)	(811.62)	(2,589.39)	(336.62)	(336.62)	(1,662.61)
(801.92)	(3,533.26)	(953.94)	(3,043.44)	(395.64)	(395.64)	31,836.00
		15,541.00		6,446.00		(1,954.15)
-	-	-	-	-	-	-
17,627.41	94,902.58	21,935.56	31,453.54	11,195.51	11,049.54	55,152.84

LG	Napa	Nov	SV	SCWA	Napa County	North Marin
7.47%	40.20%	9.29%	13.33%	4.74%	4.68%	23.37%

6,354.95	45,238.53	8,526.91	38,256.59	5,633.90	5,487.92	27,684.99
13,065.00	57,562.00	15,541.00	-	6,446.00	6,446.00	31,836.00
-	-	-	-	-	-	-
(1,792.54)	(7,897.95)	(2,132.35)	(6,803.04)	(884.39)	(884.39)	(4,368.15)
17,627.41	94,902.58	21,935.56	31,453.54	11,195.51	11,049.54	55,152.84

NBWRA Obligations							
Vendor	Encumbrances		Paid to date	Adjustments	Balance	Expires	% Spent
B&C FY14/15	38,552.27	bc1	13,497.14	-	25,055.13	6/30/2017	35%
B&C FY15/16	77,998.00	bc2	-	-	77,998.00	6/30/2017	0%
Bryant & Associates FY14/15	1,840.39	ba1	1,840.39	-	(0.00)	6/30/2017	100%
Bryant & Associates FY15/16	102,480.00	ba2	16,694.76	-	85,785.24	6/30/2017	16%
Total	220,870.66		32,032.29	-	188,838.37		
	Unencumbered		Spent	Misc.	Balance		% Spent
Admin Agency Services	-	a	-	-	-		#DIV/0!
Contingency	-		-	-	-		#DIV/0!
Total	-		-	-	-		
	Scheduled costs		Expenses	Adjustments	Balance		% Spent
Total	220,870.66		32,032.29		188,838.37		15%

Carryover from LFY

Carryover from LFY

North Bay Water Reuse Authority
July 1, 2015 to Date Transaction Summary
as of October 21, 2015
PHASE 2

Item No. 7.d

Date	Description	Amount				Las Galinas	Napa	Novato	SVCSD	SCWA	City of Petaluma	Marin Muni Water Dist.
	Beginning Balance	466,540.87	b			647.63	163,217.14	123,918.51	18,718.55	50,941.62	108,449.81	647.63
8/21/2015	Salary/Assn Chgs Applied	(3,205.56)	p	a1		-	(1,127.96)	(855.30)	(125.38)	(348.95)	(747.96)	-
8/27/2015	Salary/Assn Chgs Applied	(2,766.61)	p	a1		-	(973.51)	(738.18)	(108.21)	(301.17)	(645.54)	-
9/10/2015	Bryant & Associates July 2015	(15,828.26)	p	ba2		-	(5,569.60)	(4,223.25)	(619.11)	(1,723.05)	(3,693.26)	-
9/11/2015	Brown & Caldwell Invoice 11249160	(89,521.51)	p	bc1		-	(31,500.55)	(23,885.84)	(3,501.55)	(9,745.21)	(20,888.35)	-
9/14/2015	Salary/Assn Chgs Applied	(1,563.70)	p	a1		-	(550.23)	(417.22)	(61.16)	(170.22)	(364.86)	-
9/16/2015	Napa San - Phase II Fee (WTRN-8)	436,173.00	d				436,173.00					
9/16/2015	Bryant & Associates August 2015	(16,970.10)	p	ba2		-	(5,971.39)	(4,527.91)	(663.77)	(1,847.35)	(3,959.69)	-
10/1/2015	SCWA - Phase II Fee (WTRN-1)	134,937.00	d							134,937.00		
10/1/2015	Brown & Caldwell Invoice 11250860	(77,845.17)	p	bc1		-	(27,391.92)	(20,770.40)	(3,044.84)	(8,474.14)	(18,163.87)	-
10/2/2015	Novato San - Phase II Fee (WTRN-7)	330,736.00	d					330,736.00				
10/6/2015	Salary/Assn Chgs Applied	(1,564.28)	p	a1		-	(550.43)	(417.38)	(61.19)	(170.29)	(365.00)	-
						-	-	-	-	-	-	-
						-	-	-	-	-	-	-
Current NBWRA Balance		1,159,121.68				647.63	525,754.55	398,819.04	10,533.33	163,098.25	59,621.26	647.63
PENDING												
	SVCSD - Phase II Fee (WTRN-2)	48,484.00	d									
	Petaluma - Phase II Fee (WTRN-5)	289,231.00	d									
	Bryant & Associates September 2015	(16,677.10)		ba2								
	Brown & Caldwell Invoice 11252901	(121,217.68)		bc1								
Projected Balance		1,358,941.90				647.63	525,754.55	398,819.04	10,533.33	163,098.25	59,621.26	647.63
						LG	Napa	Nov	SV	SCWA	Petaluma	MMWD
						0.056%	45.358%	34.407%	0.909%	14.071%	5.144%	0.056%
						647.63	163,217.14	123,918.51	18,718.55	50,941.62	108,449.81	647.63
						-	436,173.00	330,736.00	-	134,937.00	-	-
						-	-	-	-	-	-	-
						-	(73,635.58)	(55,835.47)	(8,185.22)	(22,780.37)	(48,828.54)	-
						647.63	525,754.55	398,819.04	10,533.33	163,098.25	59,621.26	647.63

NBWRA Reconciliation				
Beginning Balance	466,540.87	b		
Deposits	901,846.00	d		
Interest Earnings	-	i		
Payments	(209,265.19)	p		
	1,159,121.68			

NBWRA Obligations								
Vendor	Encumbrances		Paid to date	Adjustments	Balance	Expires	% Spent	
B&C FY14/15	364,674.71	bc1	167,366.68	-	197,308.03	6/30/2017	46%	Carryover from LFY
B&C FY15/16	907,636.00	bc2	-	-	907,636.00	6/30/2017	0%	
Bryant & Associates FY14/15	3,607.88	ba1	3,607.88	-	0.00	6/30/2017	100%	Carryover from LFY
Bryant & Associates FY15/16	199,720.00	ba2	12,220.38	-	187,499.62	6/30/2017	6%	
Total	1,475,638.59		183,194.94	-	1,292,443.65			
	Unencumbered		Spent	Misc.	Balance		% Spent	
Admin Agency Services FY14/15	95,724.88	a1	9,100.15	-	86,624.73		10%	Carryover from LFY
Admin Agency Services FY15/16	132,205.00	a2	-	-	132,205.00		0%	
Total	227,929.88		9,100.15	-	218,829.73			
Miscellaneous Expenses								
		m	-					
	Scheduled costs		Expenses	Adjustments	Balance		% Spent	
Total	1,703,568.47		192,295.09	-	1,511,273.38		11%	

North Bay Water Reuse Authority
July 1, 2015 to Date Transaction Summary
as of October 21, 2015
Joint Use

Item No. 7.d

<u>Date</u>	<u>Description</u>	<u>Amount</u>		<u>Las</u>	<u>Napa</u>	<u>Novato</u>	<u>SVCS</u>	<u>SCWA</u>	<u>Napa County</u>	<u>North Marin</u>	<u>City of</u>
	<u>Beginning Balance</u>	<u>192,811.96</u>	<u>b</u>	<u>21,204.15</u>	<u>21,205.15</u>	<u>21,205.15</u>	<u>21,205.15</u>	<u>21,204.15</u>	<u>21,205.15</u>	<u>21,204.15</u>	<u>17,494.28</u>
8/10/2015	Weir Technical Services SCWA 07-15	(6,724.94)	p	(840.62)	(840.62)	(840.62)	(840.62)	(840.62)	(840.62)	(840.62)	(840.62)
8/11/2015	NBWRA meeting room rental	-	p	-	-	-	-	-	-	-	-
8/21/2015	Salary/Assn Chgs Applied	(8,442.20)	p	(1,055.28)	(1,055.28)	(1,055.28)	(1,055.28)	(1,055.28)	(1,055.28)	(1,055.28)	(1,055.28)
8/27/2015	Salary/Assn Chgs Applied	(6,547.76)	p	(818.47)	(818.47)	(818.47)	(818.47)	(818.47)	(818.47)	(818.47)	(818.47)
9/9/2015	Baja Limo - Congressional Tour	-	p	-	-	-	-	-	-	-	-
9/10/2015	Bryant & Associates July 2015	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)
9/14/2015	Salary/Assn Chgs Applied	(9,555.89)	p	(1,194.46)	(1,194.46)	(1,194.46)	(1,194.46)	(1,194.46)	(1,194.46)	(1,194.46)	(1,194.46)
9/16/2015	LGVSD - JU Fee (WTRN-11)	30,812.00	d	30,812.00							
9/16/2015	County of Napa - JU Fee (WTRN-9)	30,812.00	d						30,812.00		
9/16/2015	Napa San - JU Fee (WTRN-8)	30,812.00	d		30,812.00						
9/16/2015	Bryant & Associates August 2015	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)
9/16/2015	Weir Technical Services SCWA 08-15	(1,880.00)	p	(235.00)	(235.00)	(235.00)	(235.00)	(235.00)	(235.00)	(235.00)	(235.00)
9/16/2015	Weir Technical Services SCWA 08-15 (Expenses)	(12.90)	p	(1.61)	(1.61)	(1.61)	(1.61)	(1.61)	(1.61)	(1.61)	(1.61)
9/16/2015	Xteles Corporation	(50.90)	p	(6.36)	(6.36)	(6.36)	(6.36)	(6.36)	(6.36)	(6.36)	(6.36)
9/17/2015	Baja Limo - Congressional Tour (Correction)	-	p	-	-	-	-	-	-	-	-
9/28/2015	NMWD - JU Fee (WTRN-10)	30,813.00	d							30,813.00	
10/1/2015	SCWA - JU Fee (WTRN-1)	30,812.00	d					30,812.00			
10/1/2015	Xteles Corporation	(16.40)	p	(2.05)	(2.05)	(2.05)	(2.05)	(2.05)	(2.05)	(2.05)	(2.05)
10/2/2015	Novato San - JU Fee (WTRN-7)	30,813.00	d			30,813.00					
10/5/2015	Lombardi's Catering (Fed Tour Lunch)	-	p	-	-	-	-	-	-	-	-
10/5/2015	Lombardi's Catering (Fed Tour Lunch)	-	p	-	-	-	-	-	-	-	-
10/6/2015	Salary/Assn Chgs Applied	(16,953.80)	p	(2,119.23)	(2,119.23)	(2,119.23)	(2,119.23)	(2,119.23)	(2,119.23)	(2,119.23)	(2,119.23)
10/6/2015	Equip Revenue Clearing	(120.00)	p	(15.00)	(15.00)	(15.00)	(15.00)	(15.00)	(15.00)	(15.00)	(15.00)
10/6/2015	Equip Revenue Clearing	(80.00)	p	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)	(10.00)
Current NBWRA Balance				44,968.08	44,969.08	44,970.08	14,157.08	44,968.08	44,969.08	44,969.08	10,446.21
PENDING											
	SVCS - JU Fee (WTRN-2)	30,813.00									
	Petaluma - JU Fee (WTRN-5)	30,813.00									
	Weir Technical Services SCWA 09-15	(5,000.00)	w1								
	Weir Technical Services SCWA 09-15 (Expenses)	(113.98)	w1								
	Bryant & Associates September 2015	(3,000.00)	ba2								
Projected Balance				44,968.08	44,969.08	44,970.08	14,157.08	44,968.08	44,969.08	44,969.08	10,446.21
NBWRA Reconciliation				13.573%	13.573%	13.574%	4.273%	13.573%	13.573%	13.573%	3.153%
	Beginning Balance	192,811.96	b	21,204.15	21,205.15	21,205.15	21,205.15	21,204.15	21,205.15	21,204.15	17,494.28
	Deposits	194,874.00	d	30,812.00	30,812.00	30,813.00	-	30,812.00	30,812.00	30,813.00	-
	Interest Earnings	-	i	-	-	-	-	-	-	-	-
	Payments	(56,384.59)	p	(7,048.07)	(7,048.07)	(7,048.07)	(7,048.07)	(7,048.07)	(7,048.07)	(7,048.07)	(7,048.07)
	Balance	331,301.37		44,968.08	44,969.08	44,970.08	14,157.08	44,968.08	44,969.08	44,969.08	10,446.21
NBWRA Obligations											
<u>Vendor</u>	<u>Encumbrances</u>			<u>Paid to date</u>	<u>Adjustments</u>	<u>Balance</u>	<u>Expires</u>	<u>% Spent</u>			
Weir Technical Services FY14/15	34,232.67	w1		8,617.84	-	25,614.83	6/30/2017	25%	Carryover from LFY		
Weir Technical Services FY15/16	75,500.00	w2		-	-	75,500.00	6/30/2017	0%			
Bryant & Associates FY15/16	36,000.00	ba2		6,000.00	-	30,000.00	6/30/2017	17%			
Total	145,732.67			14,617.84	-	131,114.83					
	<u>Unencumbered</u>			<u>Spent</u>	<u>Misc.</u>	<u>Balance</u>		<u>% Spent</u>			
Admin Agency Services FY14/15	62,301.39	a1		41,699.45	67.30	20,534.64		67%	Carryover from LFY		
Admin Agency Services FY15/16	135,000.00	a2		-	67.30	134,932.70		0%			
Unallocated funds	64,595.89	ua		-	-	64,595.89		0%			
Contingency	-	c		-	-	-		#DIV/0!			
Total	261,897.28			41,699.45	134.60	220,063.23					
Miscellaneous Expenses		m		67.30							
	<u>Scheduled costs</u>			<u>Expenses</u>	<u>Adjustments</u>	<u>Balance</u>		<u>% Spent</u>			
Total	407,629.95			56,317.29	134.60	351,178.06		14%			

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NBWRA Reconciliation	
Beginning Balance	26,884.62
Deposits	10,000.00
Interest Earnings	-
Payments	(3,875.70)
Balance	33,008.92

26,884.62	-	11,884.62	10,000.00	5,000.00
10,000.00	-	-	5,000.00	5,000.00
-	-	-	-	-
(3,875.70)	-	-	-	-
33,008.92	-	11,884.62	15,000.00	10,000.00

10/21/2015

**Interest
North Bay Water Reuse Authority
as of October 21, 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	4/16/2015	\$ 2,256.57
4th Quarter	7/15/2015	\$ 1,682.38
Total		\$ 8,218.73

FY2015/2016

Period	Date Posted	Amount
1st Quarter	10/15/2015	\$ 1,631.68
2nd Quarter		
3rd Quarter		
4th Quarter		
Total		\$ 1,631.68

NBWRA Board of Directors Meeting

October 26, 2015



Direction from the Board in September

- 💧 Hold joint Board/TAC meetings
- 💧 Approaches to address an expanded Phase 2 Program with associated budget impacts
- 💧 Hold a work study session before the end of the year to discuss
 - Future Projects
 - New Agencies
 - Expanding the Regional Footprint



Today's Topics

- 💧 Meeting Schedule
- 💧 Phase 2 Feasibility Study Status Report
- 💧 Phase 2 Program Expansion and Budget Impacts
- 💧 Other Potential Budget Impacts
- 💧 NBWRA Beyond Phase 2
- 💧 Plans for Work Study Session



Meeting Schedule



Joint Board/TAC Meetings

- 💧 Current Schedule
 - Board meets four times per year: Jan, April, July, and Oct
 - TAC meets the month before: March, June, Sept, and Dec
- 💧 Direction from last Board meeting to hold joint Board/TAC meetings instead of TAC only meetings – adds 4 more Board/year
- 💧 December 14, 2015 TAC meeting now Board and TAC
- 💧 Format:
 - Information presented at one meeting
 - Following meeting scheduled for action
- 💧 Revised Schedule for FY15/16: Dec 14, January 25, March 28, April 25, and June 27
- 💧 Other Options?



Joint Board/TAC Meetings

Revised FY 15/16 Schedule

Board goes from 3 to 5 meetings through FY 15/16

	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Original Schedule	■ ▲		■	▲		■	▲		■	▲		■
Revised Schedule	■ ▲		▲	▲		▲	▲		▲	▲		▲



Board & TAC Meeting



TAC Meeting

Future Meeting Schedule FY 16/17 & 17/18

- 8 per year?
- 6 per year (every other month)?



Phase 2 Feasibility Study Status Report



Activities to Refine Project List

- 💧 Project list continues to evolve
 - Some new projects (e.g., SVCSD storage)
 - Projects disaggregated into subprojects (e.g., Petaluma Ag Distribution, Novato Treatment)
 - Projects evolving (e.g., Novato Storage, SCWA Stormwater Capture)
 - Agencies are getting insights & making clarifications
- 💧 Ongoing feasibility level analysis
 - Complete on storage (Fact Sheets distributed)
 - Proceeding on other projects (Treatment & Distribution)
 - **Initiating “windshield surveys”**
 - Engaging geotech (GTC) for high level review
 - Review results with agencies



Current Project List (See handout)

Item No. 10

Agency	Project Type	Project Title
Novato SD	Treatment	• Novato SD WRP Capacity - 1 st Expansion (+0.85 MGD)
		• Novato SD WRP Capacity - 2 nd Expansion (+0.85 MGD)
	Seasonal Storage	• Option 1: Site Near Highway 37 (Tertiary) 150 AF
		• Option 2: Site Near Highway 37 (Secondary) 150 AF
		• Option 3: Hamilton Site (Secondary) 150AF
	Environmental Enhancement	• Marin County Lower Novato Creek Project
		• Turnout to SCC Transitional Wetlands • Return Leased Spray Fields to Marin County for Restoration
SVCSD	Seasonal Storage	• Option 1: Mulas Site (Tertiary) 49 AF • Option 2: Robledo Site (Tertiary) 49 AF
	Distribution	• Napa Road Pipeline
SCWA	Groundwater Management	• Valley of the Moon ASR • Sonoma ASR
	Groundwater Management	• Sonoma Valley Groundwater Management and Recharge in Sonoma Creek and Nathanson Creek watersheds
Petaluma	Treatment	• Increase ECWRF Capacity
	Seasonal Storage	• Option 1a: Site Southeast of ECWRF (Secondary) 300 AF
		• Option 1b: Site Southeast of ECWRF (Secondary) 150 AF
	Distribution	• Urban Recycled Water Expansion
		• Agricultural Recycled Water Expansion Phase 1
		• Agricultural Recycled Water Expansion Phase 2
		• Agricultural Recycled Water Expansion Phase 3
Napa SD	Treatment	• Soscol WRF Increased Filter Capacity
	Operational Storage	• Additional Soscol WRF Covered Storage
		• Napa State Hospital Storage Tank
	Seasonal Storage	• Option 1a: Raise Existing Pond Levee (Secondary) 300 AF
		• Option 1b: Raise Existing Pond Levees (Secondary) 1,100 AF
		• Option 2: Somky Ranch Site (Secondary) 300 AF
		• Option 3a: Jameson Ranch Site (Tertiary) 600 AF
		• Option 3b: Jameson Ranch Site (Tertiary) 300 AF
	Distribution	• MST Pipeline

Selecting Projects for the Program



Refining the Project List

💧 Title XVI Projects

- Readiness to Proceed
- Total of \$80 million in projects
- Feasibility level engineering/Project level environmental evaluation
- WaterSMART Federal implementation funding/State funding

💧 Non-Title XVI Projects

- Readiness to Proceed
- Projects over the \$80 million Title XVI funding limit
- Feasibility level engineering/Project level environmental evaluation
- Other federal and state funding

💧 Appraisal Level Projects

- Not ready to proceed
- Appraisal level engineering/Programmatic level environmental evaluation
- Foundation for future analysis, environmental evaluation and funding opportunities



Assign Projects

NBWRP Phase 2 Current Project List 10/16/2015		Title XVI Feasible Projects		Non-Title XVI Feasible Projects		Programmatic Level Projects	
		Selected	Total By Agency	Selected	Total By Agency	Selected	Total By Agency
Novato SD	Novato SD WRP Capacity - 1 st Expansion (+0.85 MGD)						
	Novato SD WRP Capacity - 2 nd Expansion (+0.85 MGD)						
	Option 1: Site Near Highway 37 (Tertiary) 150 AF						
	Option 2: Site Near Highway 37 (Secondary) 150 AF						
	Option 3: Hamilton Site (Secondary) 150AF						
	Marin County Lower Novato Creek Project						
	Turnout to SCC Transitional Wetlands						
SVCS	Option 1: Mulas Site (Tertiary) 49 AF						
	Option 2: Robledo Site (Tertiary) 49 AF						
	Napa Road Pipeline						
SCWA	Valley of the Moon ASR						
	Sonoma ASR						
	Sonoma Valley Groundwater Management and Recharge						
Petaluma	Increase ECWRF Capacity						
	Option 1a: Site Southeast of ECWRF (Secondary) 300 AF						
	Option 1b: Site Southeast of ECWRF (Secondary) 150 AF						
	Urban Recycled Water Expansion						
	Agricultural Recycled Water Expansion Phase 1						
	Agricultural Recycled Water Expansion Phase 2						
	Agricultural Recycled Water Expansion Phase 3						
Napa SD	Soscol WRF Increased Filter Capacity						
	Additional Soscol WRF Covered Storage						
	Napa State Hospital Storage Tank						
	Option 1a: Raise Existing Pond Levees (Secondary) 300 AF						
	Option 1b: Raise Existing Pond Levees (Secondary) 1,100 AF						
	Option 2: Somky Ranch Site (Secondary) 300 AF						
	Option 3a: Jameson Ranch Site (Tertiary) 600 AF						
	Option 3b: Jameson Ranch Site (Tertiary) 300 AF						
	MST Pipeline						
Total			\$80 M		TBD		



Feasibility Study Schedule

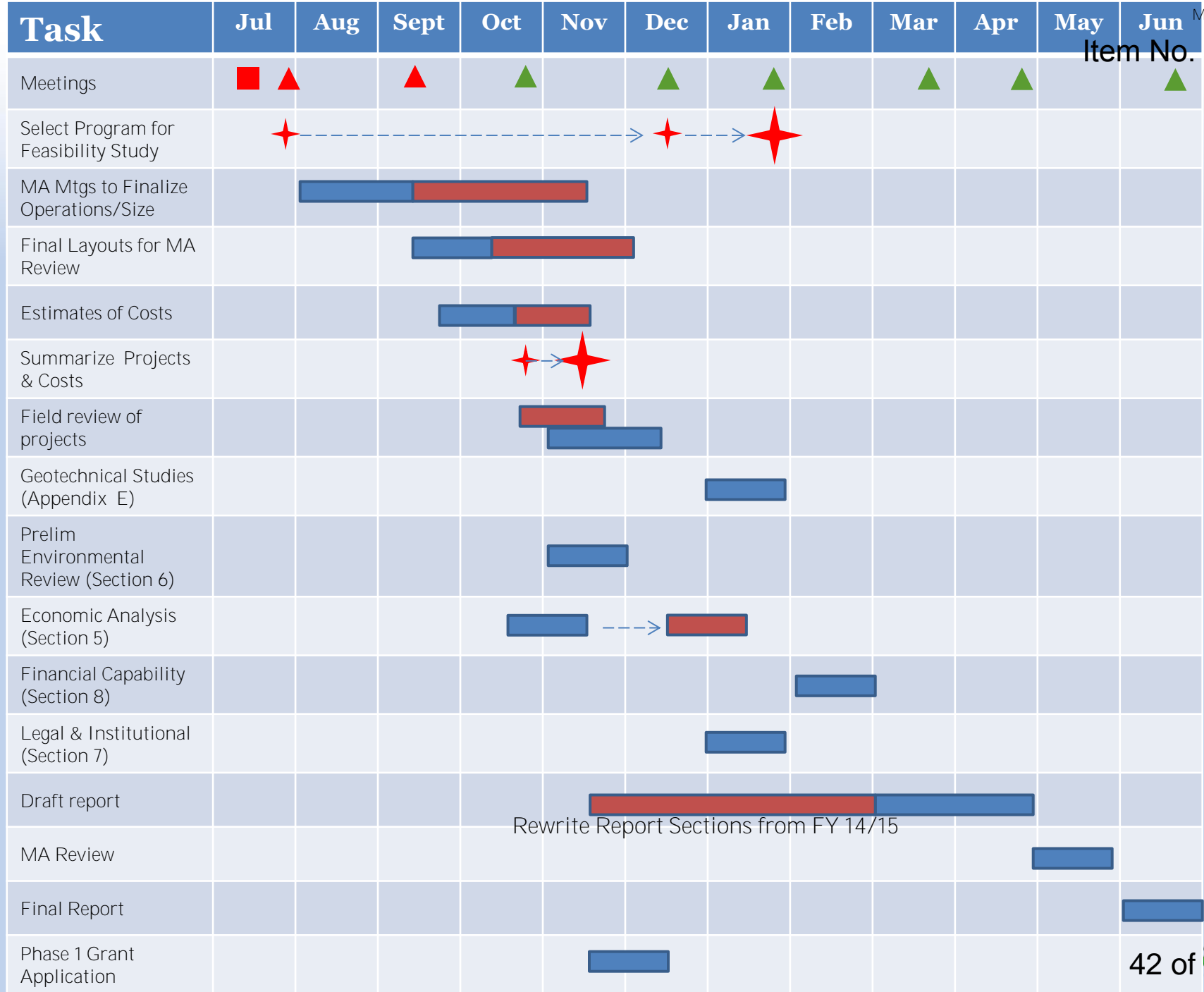


Schedule: Impacted by Project Identification Process

- Evolving Project list has impacted the schedule
 - Originally to be completed in FY 14/15
 - Significant time & effort by agencies and consultants
 - Numerous meetings, calls and clarifying e-mails
 - Multiple rewrites of draft report sections

- Schedule is critical to Program implementation
 - Feasibility Study by June 2016
 - EIR/EIS by July 2017
 - Approved ROD (Estimate Fall 2017)
 - WaterSMART Funding:
 - In time for Fall 2017 FOA
 - Potentially target Fall 2016 FOA for funding October 2017 (award contingent on completed ROD)
 - Coordinate with State funding program schedules





Item No. 10

Mike

Rewrite Report Sections from FY 14/15

FY 15/16 Feasibility Study Budget



FY 15/16 Feasibility Study Budget Reallocations

- 💧 Deletion of TBL resulted in **\$229,100** in Task 2.4 available
 - Previously approved:
 - \$139,169 Extended Storage (Remains in Task 2.4)
 - \$25,000 to Public Involvement (Moves to Task 1.3)
 - \$24,000 to Program Development Team (Reduces total budget)
 - \$188,169 Reallocated**
- Request: use remaining **\$40,931** in Task 2.4 for additional effort :
 - Report section rewrites to address multiple project changes
 - Additional agency meetings, webmeetings, conference calls
 - Additional feasibility level analysis of Non-Title XVI projects
- 💧 Additional funding reallocation
 - Request: **\$25,000** from Task 5 *Phase 2 Grants* to Task 1.1 *Workshops*
 - Two grants budgeted in Task 5, one required
 - Additional meetings and workshops in Task 1
 - Board meetings requiring greater preparation time



FY 15/16 Budget Reallocation Summary

Task	Description	Original Fee	New Fee
1	Workshops/Public Outreach/Management	\$694,288	\$744,288
1.1	Workshops	\$171,860	\$25k from Task 5 \$196,860
1.2	Web Portal	\$0	
1.3	Public Involvement	\$291,276	\$25 k from Task 2.4 \$316,276
1.4	Administration	\$231,152	\$231,152
2	Title XVI Feasibility Study/Report	\$1,184,777	\$1,135,777
2.1	Introductory Information	\$34,728	\$34,728
2.2	Statement of Problems/Needs	\$43,231	\$43,231
2.3	Water Reclamation/Reuse Opportunities	\$54,257	\$54,257
2.4	Analysis of Alternatives/FS Report	\$1,052,562	\$24k to Program Development, \$25k to Task 1.4 \$1,003,562
3	Environmental Evaluation	\$796,450	\$796,450
3.1	Environmental Constraints Analysis	\$279,178	\$279,178
3.2	Environmental Compliance-NEPA/CEQA	\$517,272	\$517,272
4	Financial Capabilities Deter	\$56,590	\$56,590
5	Phase 2 Grant Applications & Management	\$92,655	\$67,655
6	Phase 1 Grant Application & Management	\$197,619	\$197,619
6.1	Program Support and Coordination	\$61,340	\$61,340
6.2	State Grant Support	\$38,254	\$38,254
6.3	Phase 1 Grant Application & Management	\$92,655	\$92,655
6.4	Additional Services	\$5,370	\$5,370
TOTAL ESTIMATED LEVEL OF EFFORT		\$3,022,379	\$2,998,379
Phase 1	18	\$197,619	45% of 76 \$157,769
Phase 2		\$2,824,760	Reduced by \$24,000 \$2,800,760

Summary: Requested FY 15/16 Budget Reallocation

💧 Discussion

- Use remaining \$40,931 from TBL in Task 2.4 for expanded efforts in Task 2.4 (no overall budget impact)
- Move \$25,000 from:
 - Task 5 - Phase 2 Grants to
 - Task 1.1 - Workshops (no overall budget impact)

💧 Action for the Board to approve the budget reallocation



Questions



10 Minute Break



Phase 2 Program has Expanded Potential Budget Impacts for FY16/17 & 17/18



Environmental Evaluation Budget



Current Feasibility Study Scope of Work Addresses Projects for Title XVI/WaterSMART Funding

- 💧 Original Scope **Title XVI Projects**
 - Title XVI Feasibility Study addresses criteria identified in Reclamation Manual, Directives and Standards WTR 11-01
 - Title XVI Program is addressed in CEQA/NEPA at project level
 - Non-Title XVI projects covered only at Programmatic Level CEQA/NEPA
- 💧 Agencies have requested to take some **Non-Title XVI Projects** to feasibility level study and project level EIR/EIS
 - Extended Storage Study took projects to feasibility level
 - Now requesting other projects taken to feasibility level
 - Sufficient budget for the engineering but not the environmental evaluation



Current Scope of Work

Feasibility Study Tasks 2.1 through– 2.4.7 to select the Title XVI Program

Title XVI
Feasibility

Non-Title XVI
Feasibility

Non-Title XVI
Appraisal/Programmatic

2.4.8 Environ Considerations
& Potential Effects

2.4.9 Legal & Institutions
Requirements

2.4.10 Financial Capability

3.1 Environmental
Constraints Analysis

3.2.1-7 Programmatic Level &
Project Level EIR/EIS

3.2.8 Permitting & Regulatory
USFWS Section 7 Consultation
Section 106 Consultation

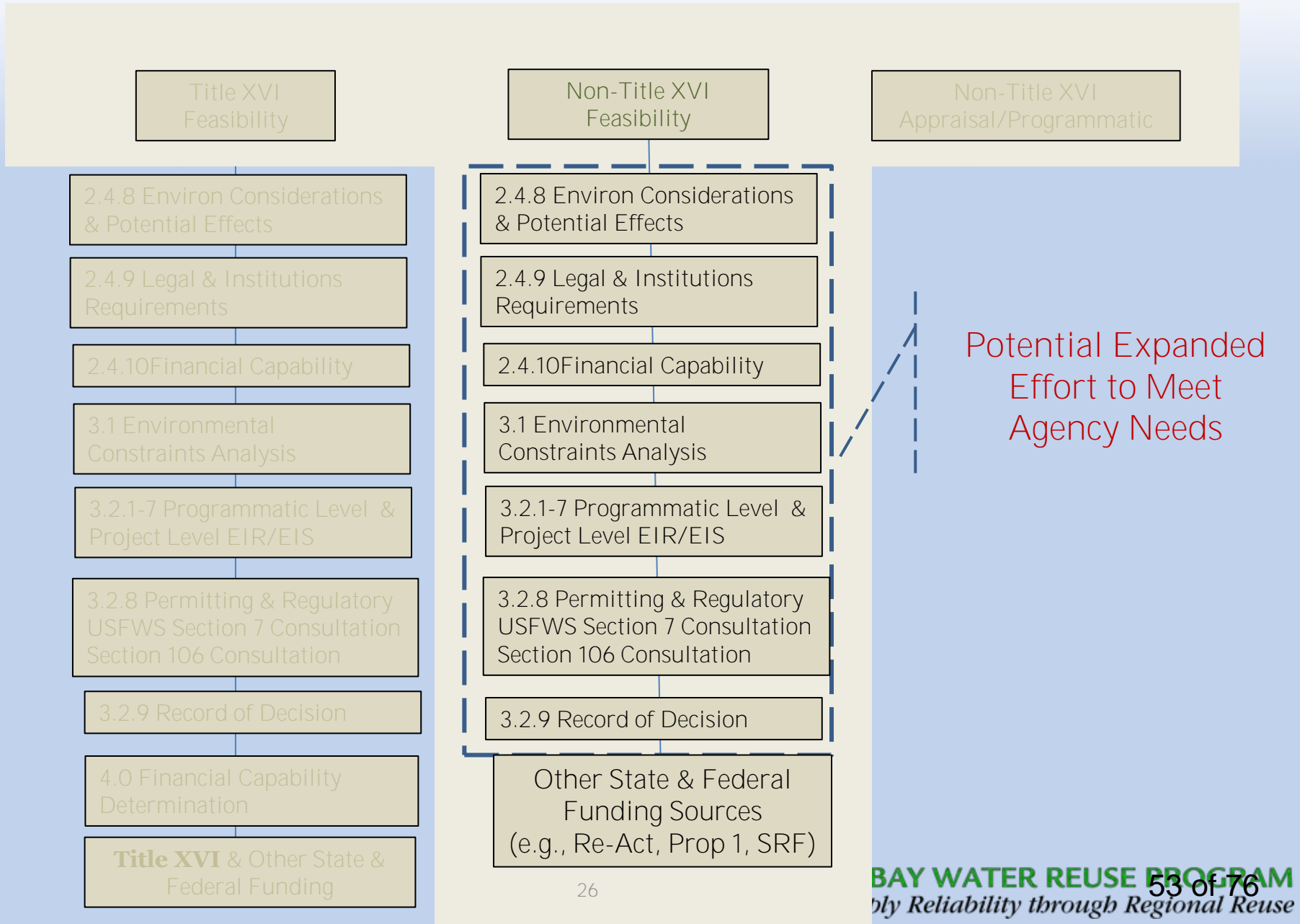
3.2.9 Record of Decision

4.0 Financial Capability
Determination

Title XVI & Other State &
Federal Funding



Expanded Scope of Work



Benefits of Expanded Scope of Work

- **“Ready to Proceed” for future State & Federal funding:**
 - Full engineering and environmental evaluation
 - ROD for Non-Title XVI projects



Proposed Budget Modification: Environmental Analysis

- 💧 Agency input to estimate effort: December meeting
 - Initially categorize list of Projects
 - Title XVI Program
 - Non-Title XVI Projects
 - Appraisal Level Projects
- 💧 Consultants revise FY 16/17 budgets estimates for discussion
 - Discussion at December meeting
 - NBWRA approval of environmental budget modification in January
 - SCWA approval of environmental budget modification in June



Other Potential Budget Impacts



Additional Future Budget Impacts for Consideration

- 💧 Environmental Evaluation (Previously discussed)
- 💧 Program Development
 - State activities (e.g., NBWRA meetings, state bond criteria and future bond)
 - Federal activities (e.g., RE-Act and implementation criteria)
- 💧 Public Involvement
 - Maintain Western Water Webpage and expanded outreach
 - Broader technology for accessibility to meetings?
- 💧 Meeting and Administration if Program goes beyond June 2017
- 💧 Phase 2 WaterSMART construction grants and administration



Discussion Item: Potential FY16/17 & 17/18 Budget Impacts

- 💧 Potential future activities with cost impacts have been identified
- 💧 Does this support direction you would like us to go?
- 💧 If so, please provide direction to develop costs for discussion at December meeting



Proposed Sequence of Activities

- 💧 Preliminary project cost estimates to agencies in November
- 💧 Agencies allocate projects to Title XVI/Non-Title XVI for December meeting for discussion
- 💧 Agencies select projects to Title XVI/Non-Title XVI at January meeting
- 💧 Present and discuss revised FY 16/17 & 17/18 study and program budgets at January meeting
- 💧 Adopt budget in March (or April, if necessary)
- 💧 SCWA approves consultant contract modifications in June



Summary: Phase 2 Decision Schedule

Task	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Meetings	▲		▲	▲		▲	▲		▲
Phase 2 Feasibility Study No Cost Reallocation	●								
Allocation of Projects to Title XVI and Non-Title XVI Feasible Projects	●		●						
FY 16/17 & 17/18 Environmental Budget Modification			●	●		●			
Select Title XVI Program			●	●					
Develop Proposed FY 16/17 & 17/18 Program Budgets			●	●		●			
SCWA Approves Contracts									●

Legend

- Discussion Item
- Board Decision
- Other



Questions



10 Minute Break



NBWRA Beyond Phase 2



Direction from the Board in September

- An NBWRA work study session to discuss:
 - Communication
 - Regional participation
 - Related activities
- Develop framework alternatives to discuss at October 26 meeting
- The consultant team to develop topics for consideration in a possible work study session to be held before the end of 2015



Potential Workshop Topics

- 💧 Moving to a One Water Concept: Goals and Objectives
- 💧 NBWRA beyond Phase 2: Pros and Cons of Expanding Program and Membership
- 💧 Coordination and issues with existing and new agencies
- 💧 Alternatives for engagement and participation
- 💧 MOU concepts and budgets

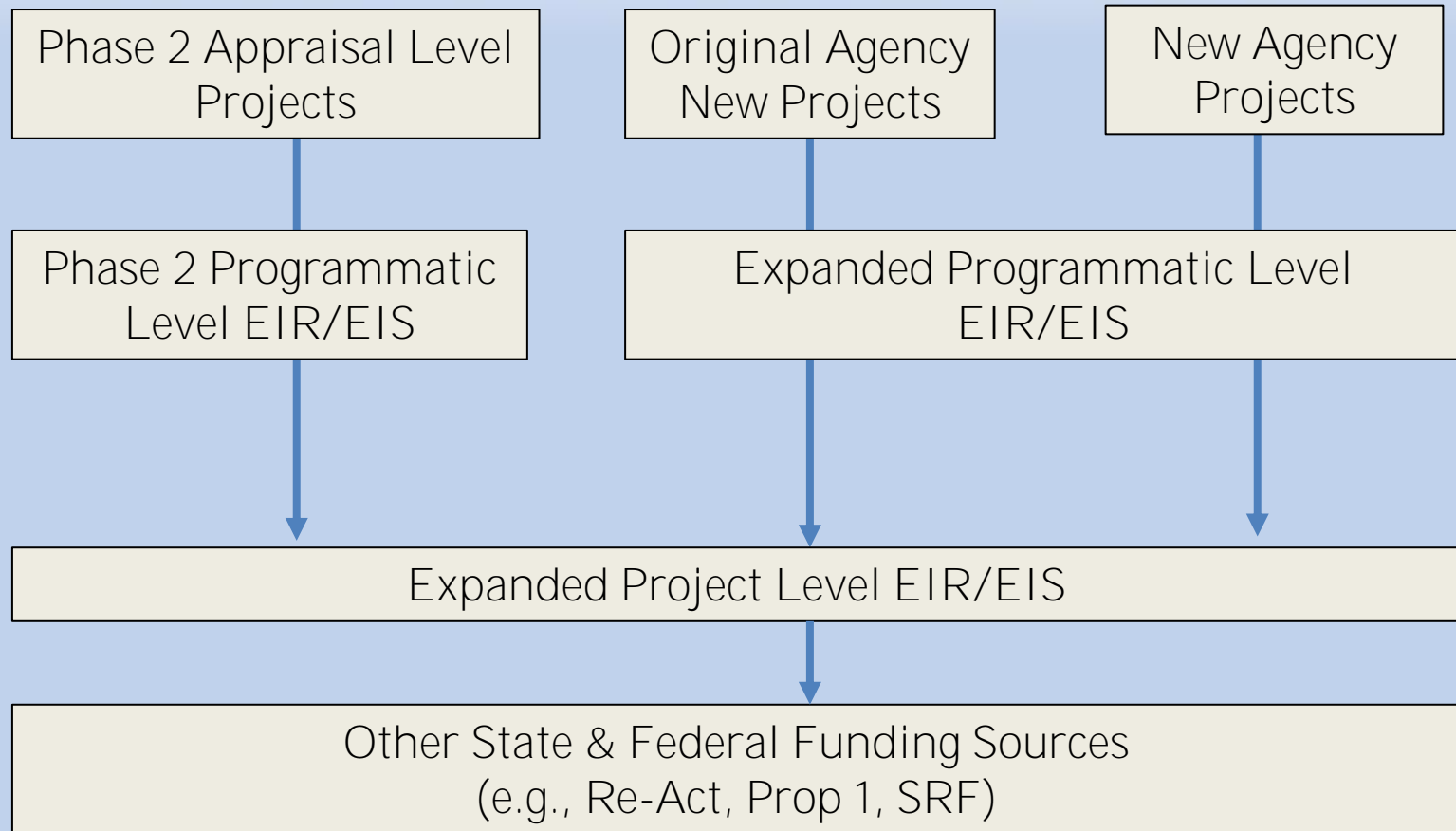


One Water Concept

- 💧 All opportunities to meet water resource needs:
 - Recycled water
 - Stormwater capture
 - ASR
 - Other secondary benefits (e.g., water quality)
- 💧 Coordination with other agency initiatives (e.g., SGMAs, Open Space District)
- 💧 Meet water resource needs
 - Urban
 - Agriculture
 - Environmental



Concept: Program Beyond Phase 2



Pros and Cons to be Considered in a Workshop

- 💧 Desire to recognize North Bay Region as KEY player at state and federal level
- 💧 Need to speak with one voice
- 💧 Help to meet opposition from other areas
- 💧 Additional agencies brings in additional funding and elected presence to assist in lobbying and program development
- 💧 Additional agencies may reduce available funding per agency
- 💧 Expanded program increases program costs (probably not individual agency costs)
- 💧 Overall program management becomes more complex



Work Session: Recommendation for Consideration

- 💧 Hold work session discussions over 4 meetings
- 💧 Dedicated session after regularly scheduled NBWRA meetings
- 💧 Topics:
 - December: Discussion of NBWRA beyond Phase 2:
 - Goals and Objectives
 - Pros and Cons of expanding Program and membership
 - January: Alternatives for engagement and participation
 - March: MOU concepts and budgets
 - April: Potential modifications to FY 16/17 & 17/18 budgets



Process for Feedback

- 💧 Discussion
- 💧 Proceed with workshops as presented?
 - Can be modified in response to needs



Closing



Phase 2 Working Project List

10/19/2015

Novato Sanitary District

Project Type	Project Title	Description
Treatment	Novato SD WRP Capacity - 1 st Expansion (+0.85 MGD)	Increase WWTP tertiary capacity by an additional 0.85 MGD to meet demands
	Novato SD WRP Capacity - 2 nd Expansion (+0.85 MGD)	Increase WWTP tertiary capacity by an additional 0.85 MGD to meet demands as they are defined
Seasonal Storage	Option 1: Site Near Highway 37 (Tertiary) 150 AF	Construct new seasonal tertiary water storage on existing Novato SD irrigated fields.
	Option 2: Site Near Highway 37 (Secondary) 150 AF	Construct new seasonal secondary water storage on existing Novato SD irrigated fields, with connection to Novato SD WRP for treatment.
	Option 3: Hamilton Site (Secondary) 150AF	Construct new seasonal secondary water storage adjacent to State Coastal Conservancy (SCC) wetland project. Convey flow back to Novato SD WRP for treatment in summer as needed for irrigation.
Environmental Enhancement	Marin County Lower Novato Creek Project	Deliver recycled water to irrigate levees constructed to increase area available for habitat creation and sediment management.
	Turnout to Transitional Wetlands	Send flow to SCC wetlands and abandon existing outfall. Return leased spray fields to Marin County for habitat enhancement

Sonoma Valley County Sanitation District

Project Type	Project Title	Description
Seasonal Storage	Option 1: Mulas Site (Tertiary) 49 AF	Construct new seasonal storage by building reservoir to achieve 49 AF of new tertiary water capacity to serve agriculture
	Option 2: Robledo Site (Tertiary) 49 AF	Construct new seasonal storage by building reservoir to achieve 49 AF of new tertiary water capacity to serve agriculture
Distribution	Napa Road Pipeline	Construct new pipeline to expand the recycled water service area in the unincorporated areas of Sonoma County along Napa Road.

Sonoma County Water Agency

Project Type	Project Title	Description
Seasonal Storage	Valley of the Moon ASR	Use Russian River winter flows for ASR in a joint project with the Valley of the Moon Water District near El Verano
	Sonoma ASR	Use Russian River winter flows for ASR near Sonoma Tanks
Groundwater Management	Sonoma Valley Groundwater Management and Recharge Study	Capture and infiltrate stormwater to recharge aquifer using off-stream stormwater retention basins in lower-slope areas; high-flow diversion/recharge channels; and infiltration galleries. Potential recharge locations include Sonoma Creek and Nathanson Creek.

Petaluma

Project Type	Project Title	Description
Treatment	Increase ECWRF Capacity	<p>Increase the ECWRF's tertiary treatment capacity from 4.68 mgd to 6.8 mgd to meet max day demand.</p> <ul style="list-style-type: none"> • Add five filter cells in the mirror image (i.e., same size and type) as the currently existing filters • Install UV lights into the existing (but currently unused) third channel
Seasonal Storage	Option 1a: Site Southeast of ECWRF (Secondary) 300 AF	Construct new recycled water storage ponds southeast of the Ellis Creek Water Reclamation Facility (ECWRF)
	Option 1b: Site Southeast of ECWRF (Secondary) 150 AF	Construct new recycled water storage ponds southeast of the Ellis Creek Water Reclamation Facility (ECWRF)
Distribution	Urban Recycled Water Expansion	Expand urban recycled water distribution to serve mostly schools, parks, landscape medians, and golf courses by extending pipelines from an existing 20" pipeline that runs northwest from the ECWRF.
	Agricultural Recycled Water Expansion	Expand agricultural recycled water distribution along Lakeville Highway. Agricultural customers would be prioritized based on the unit cost per acre foot delivered to identify the most cost-effective distribution system. Potential for three phases for expansion to serve nearby customers.

Napa Sanitation District

Project Type	Project Title	Description
Treatment	Soscol WRF Increased Filter Capacity	Construct additional filters to increase treatment capacity by 1.7 mgd.
Operational Storage	Additional Soscol WRF Covered Storage	Construct 10-AF covered storage pond for tertiary water
	Napa State Hospital Storage Tank	Construct 5-MG storage tank on Napa State Hospital property to assist with pressure and peak demands in the Milliken-Sarco-Tulocay (MST) recycled water distribution area
Seasonal Storage	Option 1a: Raise Existing Pond Levees (Secondary) 300 AF	Construct additional seasonal storage by raising the existing Pond 1 levee by 3 feet to achieve 300 AF of new capacity
	Option 1b: Raise Existing Pond Levees (Secondary) 1,100 AF	Construct additional seasonal storage by raising the existing Pond 1 levee by 3 feet to achieve 1,100 AF of new capacity
	Option 2: Somky Ranch Site (Secondary) 300 AF	Construct new secondary effluent storage ponds at Somky Ranch. New pipelines, pumping and DAF clarifier to convey and pretreat water prior to tertiary treatment.
	Option 3a: Jameson Ranch Site (Tertiary) 600 AF	Construct new off-site seasonal storage to serve tertiary treated water to 2 local golf courses and future customers
	Option 3b: Jameson Ranch Site (Tertiary) 300 AF	Construct new off-site seasonal storage to serve tertiary treated water to 2 local golf courses and customers
Distribution	MST Pipeline	Construct a pipeline extension for irrigation.

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Agenda Explanation
 North Bay Water Reuse Authority
 Board of Directors
 October 26, 2015

Item No. 11. APPROVE A MODIFICATION TO THE BROWN AND CALDWELL AGREEMENT TO USE THE REMAINING \$40,931 FROM TRIPLE BOTTOM LINE IN TASK 2.4 FOR OTHER EXPANDED EFFORTS IN TASK 2.4 AND MOVE \$25,000 FROM TASK 5, GRANTS TO TASK 1.1, WORKSHOPS

Action Requested: Approve a modification to the Brown and Caldwell Agreement as described. The modification will have no impact on the total value of the agreement, the FY2015/16 Budget, or the Member Agency cost allocations.

As described in Agenda Item No. 10, modifications in the scope of the Phase 2 Feasibility Study and related efforts have resulted in a need to reallocate funds in the Brown and Caldwell agreement. Deletion of the Triple Bottom Line analysis resulted in \$229,100 in Task 2.4 being available for additional efforts. The following summarizes previously approved changes as well as the currently requested changes.

Previously approved:

1. \$139,169 for the Extended Storage Evaluation - Remains in Task 2.4 (Approved by TAC)
 2. \$25,000 for additional Public Involvement, including the new website - Moved to Task 1.3 (Approved by Chair Rabbitt due to timing requirements)
 3. \$24,000 to Program Development Team - Reduced total value of agreement (Approved by TAC)
- Total \$188,169 Reallocated

Current Request:

1. Use remaining \$40,931 in Task 2.4 for additional effort :
 - a. Report section rewrites to address multiple project changes
 - b. Additional agency meetings, web meetings, conference calls
 - c. Additional feasibility level analysis of Non-Title XVI projects
2. Request: \$25,000 from Task 5 Phase 2 Grants be moved to Task 1.1 Workshops - two grants budgeted in Task 5, one required
 - a. Additional meetings and workshops
 - b. Board meetings requiring greater preparation time

The requested changes have no impact on the FY2015/16 Budget, the total value of the agreement, or the Member Agency cost allocations.

Recommendation

Approve a modification to the Brown and Caldwell agreement to use the remaining \$40,931 from Triple Bottom Line in task 2.4 for other expanded efforts in task 2.4 and move \$25,000 from Task 5, Grants to Task 1.1, Workshops.