

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

Monday, September 22, 2014

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. July 28, 2014 TAC Meeting Minutes
Pages 4 – 5 Pages 6 – 12 Page 13	5.	Information	Report from the Program Manager a. Consultant Progress Reports – August 2014 b. Action Items from July 28, 2014 Meeting
Page 4 Page 14	6.	Information	Financial Report a. Consultant Cost Tracking through August 31, 2014
Page 4	7.	Information	Status of Consultant Agreements
Pages 15 – 39	8.	Information	Phase 2 Overview
Pages 40 – 48	9.	Information	Program Development / Federal Advocacy Update / State Advocacy Update
	10.	Information	Outreach Program Report
	11.	Information	Status of WaterSMART Grants and Applications
	12.	Information	Proposition 84 – Integrated Regional Water Management Program Update and Status
	13.	Information	Items from Committee, Agency Staff, or Consultants
	14.	Information	Items for Next Agenda (October 27, 2014 at Novato City Hall).

The North Bay Water Reuse Authority complies with ADA requirements and will attempt to reasonably accommodate individuals with disabilities upon request. Please contact **Chuck Weir at 510-410-5923** with any questions.

**North Bay Water Reuse Authority
Technical Advisory Committee
Meeting Minutes
July 28, 2014**

1. Call to Order and Self Introductions

Vice Chair Jeane called the Technical Advisory Committee (TAC) meeting to order at 11:01 a.m. on Monday, July 28, 2014. The meeting was held at Novato City Hall Council Chambers, 901 Sherman Avenue, Novato, CA 94945.

Committee Members Present

Pam Jeane, Vice Chair	Sonoma Valley County Sanitation District
Kevin Booker	Sonoma County Water Agency
Bill Long (for Sandeep Karkal)	Novato Sanitary District
Ryan Grisso	North Marin Water District
Phillip Miller	Napa County
Dan St. John	City of Petaluma
Jeff Tucker	Napa Sanitation District
Mark Williams	Las Gallinas Valley Water District

Others Present

Chuck Weir, Program Manager	Weir Technical Services
Ginger Bryant	Bryant & Associates
Megan Clark	Las Gallinas Valley Water District
Barry Dugan	Data Instincts
Mark Millan	Data Instincts
Pilar Oñate-Quintana	The Oñate Group
Jake Spaulding	Sonoma County Water Agency
Leah Walker	City of Petaluma

2. Approval of the Agenda

TAC unanimously approved the agenda as presented.

3. Public Comments

There were no public comments.

4. Consent Calendar

4.a June 23, 2014 TAC Meeting Minutes

The June 23, 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 April 21, 2014 Meeting

The TAC reviewed the Action Item List. There was a question about any response from USBR on NBWRA's withdrawal of the grant application. There has been no response.

Ginger Bryant noted that there were eleven applications received and three were approved that ranged from \$1-2 million. As an action item, Kevin Booker was requested to send the staff report for the consultant agreement approval by the SCWA Board to the Program Manager for distribution to the TAC.

6. Summarize Board Meeting and List Action Items

The only action item from the Board was the endorsement letter to Senator Boxer for the RIFIA Bill.

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

Phillip Miller noted that the MST Project Groundbreaking will be held at 3:00 p.m. on August 12, 2014 at the Napa Valley Country Club. Kevin Booker noted that the cost for rental of the Novato City Hall facility has increased from less than \$100 to \$370 per meeting. The rental cost has not been budgeted and will be deducted from the trust fund. There was discussion concerning the possibility of rotating meetings with no decision having been made. As an action item, Bill Long will check with Sandeep Karkal about contacting the City of Novato to see if the rental rate could be reduced.

8. Items for Next Agenda, September 22, 2014 at Novato Sanitary District

Phase 2 will effectively begin with the September TAC meeting. Action items from the Board and TAC meetings included the following:

1. Send an endorsement letter to Senator Boxer for the RIFIA Bill.
2. Send the staff report for the SCWA Board approval of the consultant agreements to the Program Manager for distribution to the TAC.
3. Check with City of Novato regarding possibly reducing the rental rate for City Hall Council Chambers.

There being no further business, Vice Chair Jeane adjourned the meeting at 11:13 a.m.

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 August 2014 are attached for the TAC's information.

5.b Action Items from July 28, 2014 Meeting

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

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

6. Financial Report

The Consultant cost tracking for the period ending August 31, 2014, Item No. 6.a, is attached for the TAC's review. The TAC will note that the presentation has changes substantially with approval of the three new agreements. Costs are still shown for Phase 1 Support, Phase 2 Support, Phase 2 Feasibility Study, Joint Use, and Total Costs.

- Phase 1 Support included costs for CDM Smith to complete Phase 1 Grant Applications through December 1, 2014. At that point their agreement with SCWA ends. B&C will then begin grant application tasks. Phase 1 Support also includes 40% of the costs for Program Development, and 30% of the costs for Federal Advocacy.
- Phase 2 Support includes 60% of the costs for Program Development, and 70% of the costs for Federal Advocacy.
- Phase 2 Feasibility Study includes B&C' costs as well as their subconsultant costs. All costs for Engineering, Environmental, and Outreach will be shown here. SCWA Administration is also included here.
- Joint Use includes Program Management and State Advocacy. Program Management is a separate agreement and State Advocacy is included in Bryant & Associates agreement.
- Total Cost includes all costs for the four items just described.

Costs by month are shown by column across the top. The spreadsheet includes columns for all twelve months in the fiscal year, but only the months since the last meeting will be shown. The Year to Date, Amount Remaining and Percent Remaining will always be shown. This data is based on only the approved budget for FY14/15. The proposed budgets for the next two fiscal years and the three year total are also shown.

7. Status of Consultant Agreements

The consultant agreements, which were approved by the Board on May 19, 2014, have all been approved by the SCWA Board. The agreements with Weir and Bryant have been fully executed. The B&C Agreement is nearing completion. B&C has not invoiced for July and August 2014, but will do so once a fully executed agreement is received. The agreement with Weir begins October 1, 2014. Funds remaining in the previous agreement will be used until exhausted.

8. Phase 2 Overview

Brown and Caldwell will provide a presentation on Phase 2. Topics to be covered include: Introduction of Team, Phase 2 Study Overview, Feasibility Study Year 1, Next Steps, State Study Grant Funding, and Team Effort.

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

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

10. Outreach Program Report

Mark Millan or Barry Dugan, Data Instincts, will provide an update. Although Data Instincts is now a subconsultant to B&C, a separate report on Outreach activities is warranted as these efforts cover all aspects of the program.

11. Status of WaterSMART Grants and Applications

Participants will provide updates.

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

Participants will provide updates.

North Bay Water Reuse Authority
Professional Services by CDM Smith

August 2014 Progress Report

Phase 1 Support

- Prepared transfer of GIS data to BC team.
- Attended BACWA Recycled Water Committee meeting via conference call.



**North Bay Water Reuse Authority
Program Development, Federal and State Advocacy
Monthly Activity Summary's – July and August 2014**

Bryant & Associates/Program Development Services

July 2014 Activity Summary

- Set up Program Development Federal and State Advocacy monthly management call
- Participated in TAC consulting team call
- Prepared for and attended Board and TAC meeting
- Continued discussions with USBR re: Phase 2 authorization ceiling and study funding
- Activities in coordination with The Ferguson Group:
 - Prepared for and attended meetings in Washington DC in support of NBWRA program agenda – see attached meeting schedule

August 2014 Activity Summary

- Participated in monthly Program Development Federal and State Advocacy team contract management call
- Prepared materials for and participated in conference call with EPA Region 9 Water Division staff as a follow up to DC EPA meeting re: investigating partnering opportunities for Phase 2 studies and implementation
- Coordinated with Reclamation on a future tour for MP Deputy RD Jason Phillips
- Coordinated with Reclamation to have MP Planning Director Michelle Denning speak at Napa MST groundbreaking – also attended event
- Activities in coordination with The Ferguson Group:
 - Prepared and emailed three information items to Board and TAC:
 - Introduction of 'W21' S 2771/HR5363 – Title II contains RIFIA
 - Summary of 2015 Energy & Water appropriations bills and report language
 - Summary of emerging WIFIA information
 - Continued discussions with USBR re: Phase 2 authorization ceiling and study funding
 - Tracked discussion on possible Title II inclusion in Drought Mitigation bill – scoring will not allow



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202.331.8500
202.331.1598 fax

NORTH BAY WATER REUSE PROGRAM
Meeting Schedule for Washington, DC
July 14-15, 2014

Monday, July 14

- 8:15 a.m. **Briefing at Liaison Capitol Hill's Art and Soul Restaurant** (*reservation under Roger Gwinn*)
415 New Jersey Ave NW Phone (202) 393-7777
- 10:00 a.m. **Joaquin Esquivel**, Legislative Assistant
Anne Clement, Legislative Assistant
Office of Senator Barbara Boxer
112 Hart Senate Office Building
Phone (202) 224-3553
- 11:00 a.m. **Ryan Martel**, Legislative Assistant
Tim Torma, Congressional Fellow
Office of Senator Brian Schatz
722 Hart Senate Office Building
Phone (202) 224-3934
- 1:00 p.m. **Chris Tudor**, Legislative Assistant
Office of Representative Thomas McClintock
434 Cannon House Office Building
Phone (202) 225-2511 (Rachel Long)
- 2:00 p.m. **John Pasquantino**, Deputy Associate Director
Kelly Colyar, Chief, Water and Power Branch
Alex Hettinger, Program Examiner, Water and Power Branch
Energy, Science and Water Division, Natural Resources Programs
Office of Management and Budget
New Executive Office Building
725 17th Street, N.W., Room 8002
Phone (202) 395-9145 (Sherron White)
- 3:00 p.m. **Sara Tucker**, Majority Professional Staff Member
Christopher Kearney, Minority Professional Staff Member
Senate Energy and Natural Resources Committee
304 Dirksen Senate Office Building

Phone (202) 224-4971

4:00 p.m. **Roger Cockrell**, Staff Member
Energy and Water Development Subcommittee,
Senate Appropriations Committee
184 Dirksen Senate Office Building
Phone (202) 224-7260

5:00 p.m. **Amelia Jenkins**, Deputy Staff Director
Water and Power Subcommittee, House Committee on Natural Resources
186 Ford House Office Building
Phone (202) 225-6065

Tuesday, July 15

10:00 a.m. **Anne Castle**, Assistant Secretary, Office of Water and Science
Tom Iseman, Deputy Assistant Secretary for Water and Science
Shane Hunt, Mid-Pacific Regional Liaison, Bureau of Reclamation
U.S. Department of the Interior
1849 C Street, NW, Conference Room 6641
Phone (202) 208-7187 (Michelle Brown)

11:00 a.m. **Angie Giancarlo**, Staff Assistant
Taunja Berquam, Staff Assistant
Energy & Water Development Subcommittee,
House Appropriations Committee
2362-B Rayburn House Office Building
Phone (202) 225-3421

12:30 p.m. **Representative Mike Thompson**
Ian Blue, Legislative Assistant
231 Cannon House Office Building
Phone (202) 225-3311 (Jennifer Dale)

1:30 p.m. **Representative Jared Huffman**
Logan Ferree, Senior Legislative Assistant
1630 Longworth House Office Building
Phone (202) 225-5161 (Melissa Burnell)

3:00 p.m. **James Peterson**, Legislative Assistant
Felix Yeung, Legislative Assistant
Office of Senator Dianne Feinstein
331 Hart Senate office Building
Phone (202) 224-3841

4:30 p.m. **Mark W. Rupp**, Deputy Associate Administrator for Intergovernmental
Relations

Office of Congressional and Intergovernmental Relations
Nizanna Bathersfield, Attorney-Advisor, Office of Water
John Kemmerer, Associate Director, Water Division, Region 9 (via phone)
Bruce Macler, Ph.D., Water Division, Region 9 (via phone)
Michelle Schutz, Supervisory Environmental Protection Specialist, Region 9 (via phone)
Environmental Protection Agency
1200 Pennsylvania Avenue, NW, *use North entrance of William Jefferson Clinton Building*
call Marcus (564-0452) or Quianna (564-2486) to be escorted to meeting at Room 3528
Phone (202) 564-6074

6:00 p.m. **Dinner** at The Source (reservation under Roger Gwinn for 6 people)
575 Pennsylvania Avenue, NW Phone (202) 637-6100

Attendees

David Rabbitt, District Supervisor, Sonoma County; Director, Sonoma County Water Agency; and Chair, Board of Directors, North Bay Water Reuse Authority
Grant Davis, General Manager, Sonoma County Water Agency
Brad Sherwood, Principal Program Specialist, Community & Government Affairs, Sonoma County Water Agency
Ginger Bryant, Program Development Consultant, North Bay Water Reuse Authority
Mark Limbaugh, Managing Partner, The Ferguson Group, LLC
Roger Gwinn, President and CEO, The Ferguson Group, LLC



The Oñate Group/State Advocacy Services

July 2014 Activity Summary

Below, please find a brief summary of key actions undertaken on behalf of the North Bay Water Reuse Authority in July (note: as July was summer recess month for the Legislature, the activity was notably light during this month):

- July 1 – July 3 – Monitored potential push to pass water bond bills before the legislative summer break, maintained contact with WateReuse re: this potential and potential bill amends, etc.
- Continued to monitor discussions over the summer break.
- Attended July 28 board meeting and provided update on water bond debate in light of Governor's stated position, status of the leading legislative contenders, etc.

August 2014 Activity Summary

Below, please find a brief summary of key actions undertaken on behalf of the North Bay Water Reuse Authority in August:

- **Primary activities in August occurred from August 4 (return of the Legislature after summer recess) to August 14 (water bond passed evening of August 13). The two water bond bills were worked on in the Legislature in August; SB 866 and AB 1427 and these were the focus of the below described activities:**
 - Upon resumption of legislative session, began outreach to NBWRA legislators and others regarding the recycled water pot – with an emphasis on the right version of the language. This outreach continued through the days leading up to final passage.
 - Worked with WateReuse on broader monitoring and outreach.
 - Participated in August 12 WateReuse legislative committee call to discuss issues with recycled water language (groundwater problem described more fully below).
 - Joined with WateReuse (also in partnership with San Diego) to seek amendments to a late-breaking version of the bond that would have allowed groundwater projects (as specified) to become eligible for the recycled water/desal chapter funding. Ultimately, this problematic language was removed from the bond in its final version.
 - Provided NBWRA with a post-bond-passage report via email.
- Continued to monitor legislation of potential interest or concern to NBWRA.
- Attended August 8 ACWA legislative committee meeting.

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

Progress Report

August 2014

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

- Responded to email regarding printing of agendas at Board meetings.
- Reviewed Program Development Consultant presentation from July Board meeting and distributed to Board and TAC members.
- Reviewed various federal legislative proposals including House and Senate appropriations and Feinstein/Boxer proposal.
- Responded to error in confusing AWWA with American Waterworks Company. Website corrected error.
- Sent 2014 TAC minutes to Outreach Consultant for posting on website.
- Reviewed news articles distributed by outreach consultant.
- Reviewed Water Bond Coalition information, water bond bills, and applicable state legislation updates.
- Checked Agency website for staff report on consultant agreement approval and forwarded to TAC members as requested.
- Notified consultant team regarding July 2014 costs and Progress Reports and scheduled conference call for September.
- Updated distribution lists.

Task 2.2 Budget Preparation and Reporting

- Began plans for tracking consultant costs under new agreements.

Task 2.3 Project Support and Review

- Responded to TAC member question regarding environmental review in Phase 2.

Task 2.4 Program Planning

- Reviewed final three-year agreement for Program Management Services. Signed, scanned, and emailed signature page to Agency for final document.
- Sent list of TAC and Board meetings to consultant to assist in planning workshops.

Task 2.5 Governance Issues

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

NBWRA Board and TAC Short-Term Action Item List

Meeting Date: July 28, 2014

Task	Responsible Party	Due Date	Status	Completion Date
Submit application for 2014/15 WaterSMART Phase 2 Feasibility Study	B&C, Bryant, SCWA, TAC	5/6/2014	Application withdrawn. Other options in development	
SOQ/RFP/Agreement Process	SCWA	5/19/2014	All three agreements approved by SCWA board on August 19, 2014. All agreements will be retroactive to July 1, 2014. Agreements for Weir and Bryant are fully executed. B&C Agreement nearing completion.	8/19/2014
Notify TAC if any response to the Feasibility Study grant application is received from USBR	SCWA	if received	No Responses received.	
Send Endorsement Letter to Senator Boxer for RIFIA Bill	Bryant, SCWA	8/10/2014	Need to check.	
Send SCWA Board staff report fo consultant agreement approval to Program Manager for distribution to the TAC.	Booker, Weir	8/10/2014	Completed.	8/19/2014
Ask Sandeep Karkal to contact City or Novato regarding reducing rental rate for Novato City Hall Council Chambers	Long, Karkal	8/10/2014	Need to check.	
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

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

September 18, 2014

Only FY2014/15 has been approved	Jul-14	Aug-14	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	1,621	-	1,621	48,061	38.45%	125,000	-	-	-
Grant Applications and Management - B&C	-	-	-	72,628	100.00%	72,628	77,998	46,993	197,619
Program Development (40% of \$190,200 total) - Bryant	7,073	6,007	13,080	63,000	82.81%	76,080	76,080	76,080	228,240
Federal Advocacy (30% of \$88,000 total) - TFG sub to Bryant	-	-	-	26,400	100.00%	26,400	26,400	26,400	79,200
Total Costs for Phase 1 Support	8,694	6,007	14,701	162,028	92.53%	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 December 31, 2014.

Phase 2 Support						FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$190,200 total) - Bryant	10,610	9,010	19,620	94,500	82.81%	114,120	114,120	114,120	342,360
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	-	-	-	61,600	100.00%	61,600	61,600	61,600	184,800
Total Costs for Phase 2 Support	10,610	9,010	19,620	156,100	88.83%	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	-	-	-	823,335	100.00%	823,335	931,636	1,063,789	2,818,760
SCWA Administration - Grants and EIR/EIS	-	-	-	116,836	100.00%	116,836	132,205	150,958	400,000
Total Costs for Study	-	-	-	940,171	100.00%	940,171	1,063,841	1,214,747	3,218,760

Total Costs for Phase 2	10,610	9,010	19,620	1,096,271	98.24%	1,115,891	1,239,561	1,390,467	3,745,920
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Joint Use						FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Management - Weir	3,597	2,225	5,821	70,500	100.00%	70,500	75,500	75,500	221,500
State Advocacy - The Onate Group (Sub to Bryant)	3,000	3,000	6,000	30,000	83.33%	36,000	36,000	36,000	108,000
SCWA Administration	-	-	-	135,000	100.00%	135,000	135,000	135,000	405,000
Total Costs for Joint Use	6,597	5,225	11,821	235,500	97.52%	241,500	246,500	246,500	734,500

Note: Weir FY13/14 Agreement extended through September 30, 2014. Those funds are being used until gone.

Total Costs						FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	3,597	2,225	5,821	70,500	100.00%	70,500	75,500	75,500	221,500
Bryant & Associates	20,683	18,017	38,700	275,500	87.68%	314,200	314,200	314,200	942,600
Brown & Caldwell	-	-	-	895,963	100.00%	895,963	1,009,634	1,110,782	3,016,379
CDM Smith	1,621	-	1,621	48,061	38.45%	-	-	-	-
SCWA Administration	-	-	-	251,836	100.00%	251,836	267,205	285,958	805,000
Total Costs for NBWRA	25,901	20,241	44,521	1,493,799	97.47%	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.

NBWRP Phase 2 FY 14/15 TAC Meeting #2

September 22, 2014



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Topics

- 💧 Introduction of Team
- 💧 Phase 2 Study Overview
- 💧 Feasibility Study Year 1
- 💧 Next Steps
- 💧 State Study Grant Funding
- 💧 Team Effort



Technical Consultant Team

Company	Staff	Role
Brown and Caldwell	Mike Savage, Jenny Gain, Jim Graydon, and Paul Selsky	Program Management – Prime Contractor for Phase 2 Feasibility Studies
Environmental Science Associates	Jim O'Toole and Asavari Devadiga	EIR/Permitting/Monitoring – Subconsultant to BC
Data Instincts	Mark Millan and Barry Dugan	Public Outreach – Subconsultant to BC
Kennedy Jenks	Craig Lichty and Dawn Taffler	Technical Planning and Engineering Support – Subconsultant to BC
Bryant & Associates	Ginger Bryant	Lead Program Development and Strategy Consultant – Also subconsultant to BC in small technical role
STRATUS	Bob Raucher and Jim Henderson	Triple Bottom Line and Financial Analysis – Subconsultant to BC
GTC	Neel Neelakantan	Geotechnical – Subconsultant to BC



Member Agency Team

Member Agency	Board Member	Alternate	TAC Member
Napa County	Keith Caldwell	Bill Dodd	Phil Miller
Napa San District	Jill Techel	Peter Mott	Tim Healy
Sonoma Co WA	David Rabbitt	Mike McGuire	Grant Davis
Sonoma Valley Co San District	Susan Gorin	Shirlee Zane	Pam Jeane
Petaluma	Mike Healy	Teresa Barrett	Dan St. John / Leah Walker
Marin County*	Steve Kinsey		Liz Lewis
Novato San District	Bill Long	Jerry Peters	Sandeep Karkal
North Marin WD	John Schoonover	Jack Baker	Drew McIntyre
Las Gallinas Valley San District	Megan Clark	Rabi Elias	Mark Williams / Susan McGuire
Marin Municipal WD	Jack Gibson	Larry Russell	Paul Sellier

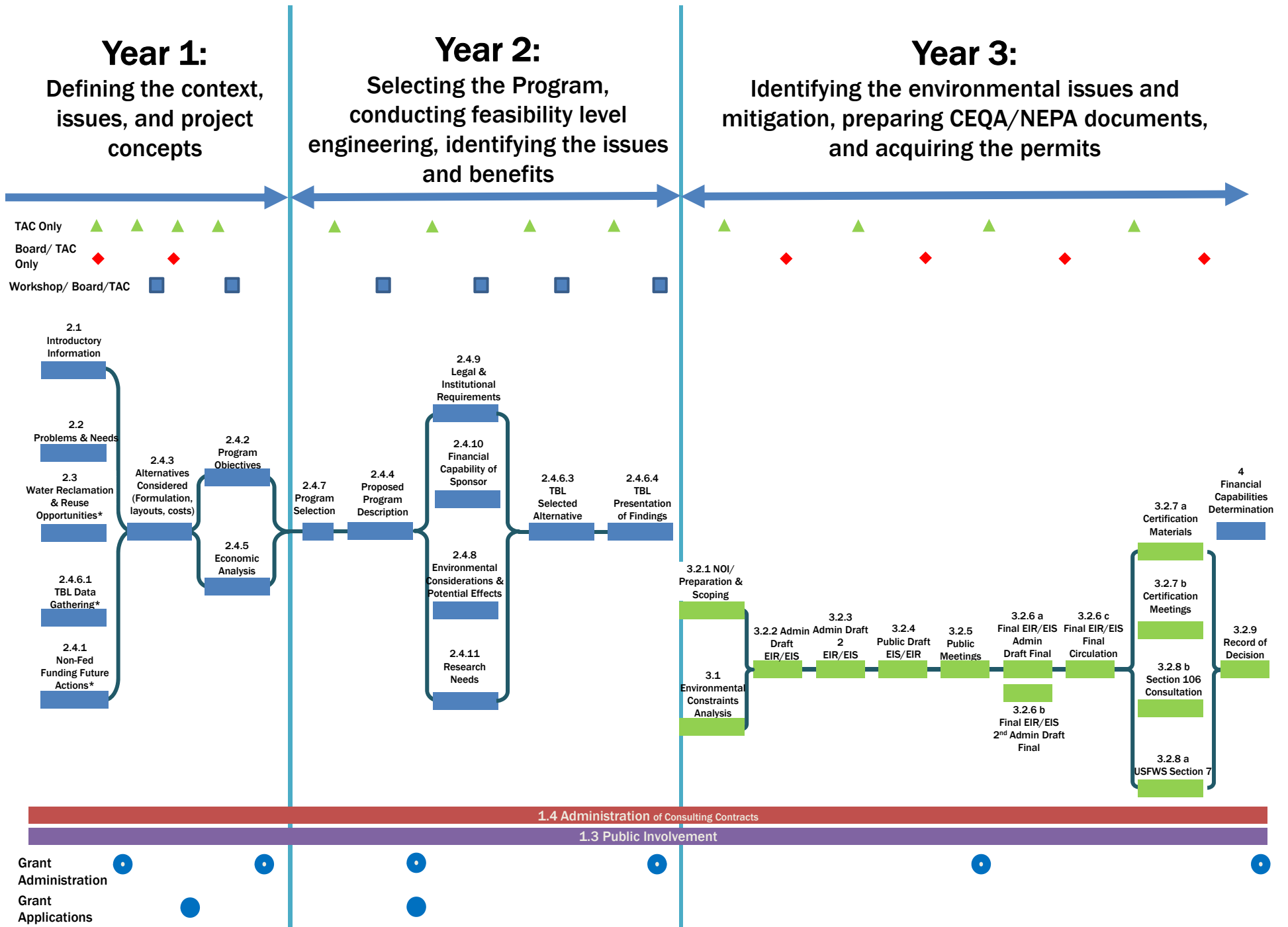




Overview of 3-Year Phase 2 Program



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse





Feasibility Study Year 1



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

North Bay Water Reuse Program Phase 2 Feasibility Study Schedule FY14/15

Tasks	Activities	2014						2015					
		August	September	October	November	December	January	February	March	April	May	June	
1.1 Meetings	TAC Meetings		22nd			22nd			23rd			29th	
	Board/TAC Meetings			27th									
	Workshop/Board/TAC Mtgs						26th		27th				
2.1 Introductory Information	Analysis												
	Report Section												
2.2 Problems & Needs	Member Agency Meetings			1									
	Analysis Report Section												
2.3 Water Reclamation & Reuse Opportunities	Member Agency Meetings			1									
	Analysis												
	Workshop Discussion Report Section							*					
2.4.1 Non-Federal Funding Future Actions	Member Agency Meetings			1									
	Analysis												
	Workshop Discussion Report Section							*					
4.6.1 TBL Data	Member Agency Meetings			1									
	Analysis												
	Workshop Discussion							*					
2.4.3 Alternatives Considered	Analysis												
	Workshop Discussion										*		
	Report Section												
2.4.2 Program Objectives	Analysis												
	Workshop Discussion										*		
	Report Section												
2.4.5 Economic Analysis	Analysis												
	Workshop Discussion										*		
	Report Section												

Legend

1

Data for all these tasks will be from the same individual meetings with agencies. One meeting with each agency with follow-up calls as needed for clarification ending before Thanksgiving

Member Agency Review periods for draft document



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Phase 2 Project Approach

- The tasks in the scope of work of the Feasibility Study are to produce the sections of the report over two years.
- As the technical work for each section proceeds, the preliminary findings will be presented in a PowerPoint presentation at a workshop to receive comments.
- Then a draft section will be written and, after internal review, sent to the NBWRA for review.
- Based on comments, the sections will be finalized.

**The intent of the project approach is to
“freeze concepts”
and keep the study moving forward**



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





Next Steps



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

September – December Activities

- ◆ Scheduling meetings with each Member Agency
 - Contact TAC member or their designee to schedule meetings for October
- ◆ Materials will be sent a week in advance for Member Agency review
- ◆ Review all projects identified in Scoping Study and the final list of projects for feasibility level of detailed analysis
- ◆ Meeting summary for Member Agency review
- ◆ Follow-up calls, if needed, to finalize report subsections:
 - Water Reclamation and Reuse Opportunities
 - Non-federal Funding Future Actions (i.e., “No Project”)
- ◆ Status report at the October Board meeting
- ◆ Final list of projects approved by Member Agencies at January workshop (Draft for December TAC meeting)



State Study Grant Funding Opportunity for Member Agencies



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Meeting with SWRCB

- 💧 Attendees:
 - SWRCB: David Balgobin & Dan Newton
 - NBWRP: Mike Savage, Ginger Bryant, Pilar Onate-Quintana
- 💧 Received a “green light” for each Member Agency to separately submit for a \$75,000 grant each toward the feasibility study (total of \$375k to \$450k towards the study)
- 💧 The final product to SWRCB:
 - One Title XVI Feasibility Study
 - Separate for each Member Agency:
 - Executive Summary
 - “Crosswalk” that illustrates to SWRCB where to find answers to their questions in the Title XVI Feasibility Study
- 💧 Final product to SWRCB also provides information towards SRF loan application if Member Agencies pursue that implementation funding



Example “Cross Walk”

State Water Recycling Facilities Grant	WTR 11-01 - Section 4 (Requirements for a Title XVI Feasibility Study Report)
A. Maps & Diagrams	4.B(1)(a) and (b) - Introductory Information (page 4) 4.B(3)(d), (f) and (g) - Water Reclamation and Reuse Opportunities (page 5) 4.B(4)(d) - Description of Alternatives (page 6)
B. Study Area Characteristics	4.B(1) - Introductory Information (page 4)
C. Water Supply Characteristics	4.B(2) - Statement of Problems and Needs (pages 4 and 5)
D. Wastewater Characteristics	4.B(3)(a), (c), (e), and (h) - Water Reclamation and Reuse Opportunities (page 6)
E. Treatment Requirements for Discharge and Reuse	4.B(4)(e) - Description of Alternatives
F. Recycled Water Market	4.B(3)(b) - Water Reclamation and Reuse Opportunities (page 5)
G. Project Alternative Analysis	4.B(4)(a) through (d) and (f) - Description of Alternatives (page 6) 4.B(5) - Economic Analysis (page 7) 4.B(7) - Environmental Consideration and Potential Effects (pages 8-9)
H. Recommended Facilities Project Plan	4.B(6) - Selection of the Proposed Title XVI Project (page 7) 4.B(8) - Legal and Institutional Requirements (pages 9-10)
I. Construction Financing Plan and Revenue Plan	4.B(9) - Financial Capability of Sponsor (page 10)
J. Appendices	

Correlates requirements between the state and federal guidance



Water Recycling Funding Program (WRFP)

- Open schedule for applications
- Application Package must contain the following:
 1. Application Form
 2. Resolution - A resolution by the local agency authorizing the grant application
 3. Plan of Study - The plan of study describes the nature and scope of the proposed facilities planning study and must include the components listed in Table 1 of the Water Recycling Funding Program Guidelines.
 4. Proof of Compliance of Water Conservation Plan (for both water and wastewater agencies)
 5. AB 1420 and AB 2572 - Certifications for Compliance (for water agencies)



Planning Grant Application

Relatively simple, straight-forward application

A. Applicant Information	
Agency Name:	_____
Street Address:	_____
Mailing Address:	_____
Authorized Representative (Name/Title/Phone):	_____
Contact Person (Name/Title/Phone)	_____
B. Facilities Planning Study Information	
1. Study Title:	_____
2. Regional Water Quality Control Board:	_____
3. Estimated Project Schedule:	_____
a. Study starting date: _____ b. Submittal of draft facilities plan: _____ c. Submittal of final facilities plan: _____	
4. Plan of Study: Please submit a plan of study prepared according to the directions in the Water Recycling Funding Guidelines, Part Two. (Label this as Attachment 2.)	
C. Facilities Planning Study Information	
1. Total Study Cost:	_____
2. Requested Grant Amount:	_____
The maximum grant is 50 percent of the total eligible study cost up to a maximum grant of \$75,000.	
Funds for Cash Flow: The grant applicant is expected to have funds available to handle cash flow for the entire study cost, pending receipt of grant disbursements. Does the Agency have local funds on hand to cover the entire estimated study cost? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Other Financial Assistance: Describe any other loans, grants, or other financial assistance being provided to the grant applicant to assist in this study. _____	
D. Authorization	
Submit a certified copy of a resolution adopted by the governing body authorizing the application and acceptance of a grant from the Water Recycling Facilities Planning Grant Program. A model resolution is provided for your reference. (Label this as Attachment 1.)	
E. Certification and Signature of Authorized Representative	
I certify that the information in this application, including all attachments, is true and correct to the best of my knowledge and belief. I understand that updated information will be required to be submitted later.	
Signature: _____	Printed Name: _____
Date: _____	Agency's Federal I.D. No.: _____



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Plan of Study

Cut/paste from Phase 2

Scoping Study and
consultant scope of
work

Table 1- Plan of Study Components

1. A description of the recycled water **service area** that will be studied.
2. The **potential sources of recycled water** and a summary of the unit processes currently in use at existing treatment facilities.
3. A description of the **current disposal/reuse of** the wastewater that is proposed to be recycled.
4. A **map of the study area** showing the sources of recycled water and potential service area(s).
5. Identification of the **water and wastewater agencies** having jurisdictions over the sources of recycled water and/or the potential service area.
6. A general description of water recycling and potable water supply **alternatives** that will be **evaluated**.
7. A description of the opportunities for **stakeholder participation**, for example, public meeting with the local community members, potential recycled water users, and other agencies that have a stake in the study.
8. A **schedule** with the start and completion dates of major tasks associated with the facilities planning study.
9. A list of **potential** problems that may cause **delay in the progress** of the study and description of the proposed actions to reduce the impact of these potential problems.
10. Identification of the **entities** that will be **conducting the study** and description of their roles. This may include a description of proposed subcontracts with **consultants** or **interagency agreements** with other agencies, and any force account work.
11. Proposed **budget for the study**, including estimated costs of specific tasks, sources of financing, and sources of funds for cash flow until grant reimbursement.



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Compliance Requirements

💧 Proof of Compliance of Water Conservation Plan

- Water provider options –
 - Submit an “acceptable” locally adopted water conservation program
 - Hold CUWCC membership
- Non-water provider options –
 - Certify that 75% of the water connections in its service area are covered by “acceptable” adopted water conservation programs; or
 - Demonstrate that the water purveyor(s) have signed the CUWCC MOU covering at least 75% of the water connections within the applicant’s sewer service area

💧 AB 1420

- Conditions eligibility for a water management grant or loan on implementing the Demand Management Measures (DMMs) (or the CUWCC BMPs) listed in Water Code section 10631

💧 AB 2572

- Limits the ability of water purveyors (both agricultural and urban) from receiving State grant and loan funds if metering requirements are not met –
 - Install water meter installation by 2025 on all connections constructed before 1992
 - Charge metered customers on the volume of deliveries by 2010



Actions

- 💧 What is the most expedient approach for the grant applications and reports?
 - Option 1 - Each agency to develop their own grant applications/reports
 - Option 2 - Consultant to develop all grant applications/reports with key input from agencies (new activity, not in the current scope of work)
- 💧 Potential consultant funding mechanisms –
 - Amend consultant contracts with SCWA
 - OR
 - Funding directly from agencies to save overhead and time
- 💧 Timing
 - Coordinate applications with WaterSMART grant
 - Funding available ASAP to each agency for their match to Title XVI
 - Offsets Member Agency obligations to SCWA



Option 2 - Consultant Products

💧 Grant Application

- Form for each agency
- Example “crosswalk”
- Description of agency project benefits to water supply
- Plan of Study summary
- Scope of Work from feasibility study
- Incorporate forms from Member Agency

💧 Final product

- Executive summary for each Member Agency
- Crosswalk for each Member Agency (hardcopy and digital with live links to Feasibility Study)
- One Feasibility Study (hardcopy and digital)



Costs

💧 Grant Application

- 1 agency: \$6,700
- 5 agencies
 - Total: \$22,100
 - Each: \$4,420
- Assumes agencies provide
 - Resolution
 - Proof of Compliance of Water Conservation Plan
 - AB 1420 and AB 2572 Certifications of Compliance

💧 Final Product

- 1 agency: \$8,600
- 5 agencies
 - Total: \$27,900
 - Each: \$5,580

- 💧 Total for each agency for both grant application and final product:
\$10,000 to get \$75,000





NBWRA is a Team Effort



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

The NBWRA Program is a Team Effort

- 💧 Success will come only through teamwork of the Member Agencies and the Consultant Teams
- 💧 Study time is limited to produce a successful document that meets Member Agency needs
- 💧 Must meet the contract schedule and deliverables
 - Deliverables are scheduled in advance for Member Agency convenience
 - Consultant must meet production schedules
 - Member Agencies to provide timely reviews



Questions?



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Program Development, Federal & State Advocacy Status Report

September 22, 2014



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Today's Presentation

- Status Report on Program Development, Federal and State Activities
 - Program Development and Federal Advocacy
 - State Advocacy



Program Development and Federal Advocacy



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

Legislation Activities

- **S. 2771/H.R. 5363 or 'W21' – Water in the 21st Century Act**
 - RIFIA is now Title II of this Bill – Recycling, Storage and Integrated Water Management
 - Build coalition and outreach
 - There are currently 18 co-sponsors
 - Find additional sponsors for legislation



Support high levels of WaterSMART funding in 2015 Budgets

WaterSMART Program	President's Budget Request	House Recommended	Senate Recommended	Final Conference Report - after election
WaterSMART Grants	\$19,000,000	\$18,620,000	\$65,000,000	
Water Conservation Field Services	\$4,457,000	\$4,368,000	\$4,457,000	
Cooperative Watershed Mgt.	\$250,000	\$245,000	\$250,000	
Basin Studies	\$3,850,000	\$3,773,000	\$3,850,000	
Drought Response	\$1,500,000	\$1,470,000	\$15,000,000	
Resilient Infrastructure	\$1,500,000	\$1,470,000	\$1,500,000	
Title XVI	\$21,500,000	\$21,070,000	\$24,500,000	
TOTAL	\$52,057,000	\$51,016,000	\$114,557,000	



2015 Appropriations Bills

◆ **Senate 2015 Energy and Water Appropriations**

*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.***

◆ **House 2015 Energy and Water Appropriations**

WaterSMART Program, Title XVI Water Reclamation/Reuse Projects.—The Bureau of Reclamation’s Title XVI Water Reclamation and Reuse program is intended to help ensure the reliability of water supplies throughout the West. The Committee continues to hear from advocates of regional-scale projects. The Committee notes that Reclamation adjusted the parameters of its most recent funding opportunity to address these suggestions. Reclamation is encouraged to continue periodic reviews of this program to ensure the most effective results.



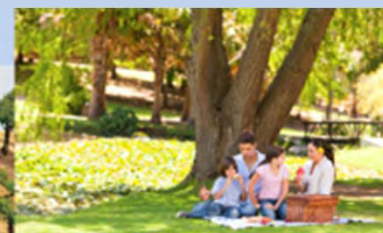
Ongoing Activities

- Continue to work on best options for Feasibility Study funding
- Continue work on W21
- Possible November trip to Washington DC





State Advocacy



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

State Advocacy Activities

The two water bond bills; SB 866 and AB 1427 were the focus of the below described activities:

- Outreach to NBWRA legislators and others regarding the recycled water pot – with an emphasis on the right version of the language.
- Worked with WateReuse on broader monitoring and outreach.
- Worked issues with recycled water language (groundwater problem described more fully below).
- Joined with WateReuse (also in partnership with San Diego) to seek amendments to a late-breaking version of the bond that would have allowed groundwater projects (as specified) to become eligible for the recycled water/desal chapter funding. Ultimately, this problematic language was removed from the bond in its final version.

