

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

Thursday, February 18, 2016

Agenda

Teleconference

Phone +1 (602) 567-4030 Access code: 1980#;

<https://conferencing.brwncaid.com/conference/1980>

9:00 a.m.

	1.		Call to Order and Self Introductions
Page 1	2.	Action	Approval of Agenda
	3.		Public Comments
Pages 2 – 4	4.	Action	Consent Items a. January 25, 2016 TAC Meeting Minutes
Page 5 Page 6	5.	Information	Report from the Program Manager a. Action Items from January 25, 2016 Meeting
Pages 7 - 42	6.	Discussion	Budget Impacts for FY2016/17 and FY2017/18, and Draft 2-Year Budget
Pages 43 - 44	7.	Discussion	MOU Issues – Purpose and Objectives
	8.	Information	Items from Committee, Agency Staff, or Consultants
	9.	Information	Items for Next Agenda (March 28, 2016 at Novato City Hall Council Chambers)

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

**North Bay Water Reuse Authority
Technical Advisory Committee
Meeting Minutes
January 25, 2016**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 11:47 a.m. on Monday, January 25, 2016. The meeting was held at Novato City Hall Council Chambers, 901 Sherman Avenue, Novato, CA 94945. Consultants and others who were unable to attend participated via telephone, 1 (602) 567-4030, passcode 1980; <https://conferencing.brwncauld.com/conference/1980>.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Kevin Booker	Sonoma Valley Water Agency
Pam Jeane	Sonoma Valley County Sanitation District
Sandeep Karkal	Novato Sanitary District
Susan McGuire	Las Gallinas Valley Sanitary District
Drew McIntyre	North Marin Water District
Phillip Miller	Napa County
Leah Walker	City of Petaluma

Others Present

Chuck Weir, Program Manager	Weir Technical Services
Ginger Bryant	Bryant & Associates
Robin Gordon	Data Instincts
Jim O'Toole	ESA
Mike Savage	Brown and Caldwell (by telephone)
Jake Spaulding	Sonoma County Water Agency
Jeff Tucker	Napa Sanitation District

2. Approval of the Agenda

The Agenda was unanimously approved.

3. Public Comments

There were no public comments.

4. Consent Calendar**4.a December 14, 2015 TAC Meeting Minutes**

The December 14, 2015 Meeting Minutes were unanimously approved.

5. Report from the Program Manager

The Report from the Program Manager included the following items:

5.a Action Items from the December 14, 2015 Meeting

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

6. Recap Board Meeting

The TAC reviewed the Board meeting and noted that the Board approved the Final List of Phase 2 Projects. The Board also affirmed that the March 25, 2016 meetings would be joint Board and TAC and a Work Session focusing on MOU issues. The TAC discussed covering issues at the Work Session including: cost sharing, other sources of funding, agencies moving in and out as members, consistency in telling the NBWRA story, indirect and direct potable reuse, regulatory drivers such as nutrients and stormwater, associate membership dues, county involvement, and involvement of other organizations.

7. Request from NBWA to Provide Phase 1 GIS data to Update NBWA Factsheet

The TAC discussed the relevancy of including Phase 1 pipelines in the factsheet when there were very little other water projects, such as reservoirs shown in the document. It was also noted that due to the scale of the map, the pipelines would barely be visible. As an action item, the TAC unanimously directed the Program Manager to contact NBWA and politely decline their request for GIS data.

8. Budget Impact for FY2016/17 and FY2017/18, and Possible TAC Conference Call in February 2016 to Discuss 2-Year Budget

The consultant team discussed the program evolution and the scopes of work that were approved when the FY2014/15 Budget was approved on May 19, 2014. The original engineering and environmental scope was based on 14 projects from the Scoping Study. The Phase 2 list approved by the Board earlier today includes 31 projects. Deletion of the TBL from Phase 2 resulted in \$229,000 that has been used for extended storage studies, section rewrites, additional meetings, additional feasibility analysis for non-Title XVI projects, public involvement support for RE-Act, and additional federal advocacy to support RE-Act.

Additional resources will be needed beginning in FY16/17 for the following: environmental analysis for the additional projects and a possible need to dual permitting and Records of Decision, additional outreach support for the expanded EIR/EIS and RE-Act initiative, and additional program development, federal and state advocacy support for project funding and legislative initiatives.

Following discussion and as an action item, the TAC agreed to schedule a web meeting in February to review the budget impacts, consider a draft 2-year budget for FY16/17 and FY17/18, and begin resolving MOU issues. As part of that action item, the TAC agreed to hold a web meeting at 9:00 a.m. on Thursday, February 18, 2016. This will provide adequate time for the TAC to discuss issues with their Boards/Councils such that the NBWRA Board can consider the 2-year budget at the April 25, 2016 meeting.

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

There were no additional items discussed.

9. Items for Next Agenda, February 18, 2016 Web Meeting

Action items included the following:

1. Decline NBWA's request for Phase 1 GIS data.

2. February 18, 2016 Web Meeting to discuss 2-year Budget for FY15/17 and FY17/18 and begin addressing MOU issues.

There being no further business, Chair Healy adjourned the meeting at 12:50 p.m.

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ITEM NO. 5 REPORT FROM THE PROGRAM MANAGER

The Report from the Program Manager includes the following items:

5.a Action Items from January 25, 2015 Meeting

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

6. Budget Impacts for FY2016/17 and FY2017/18 and Draft 2-Year Budget

Please refer to the separate agenda item for this report.

7. MOU Issues – Purpose and Objectives

Please refer to the separate agenda item for this report.

NBWRA Board and TAC Short-Term Action Item List

Meeting Date: January 25, 2016

Task	Responsible Party	Due Date	Status	Completion Date
Conduct work session focusing on Alternatives for Engagement and Participation	Consultants/TAC	1/25/2016	Completed.	1/25/2016
Board consider proposed plans for workshops and combined Board/TAC meetings through end of FY15/16	Consultants	1/25/2016	Completed. Board approved the March 28, 2016 meeting as Board and TAC meetings.	1/25/2016
Joint Board/TAC Work session on March 28, 2016 to focus on MOU issues	Consultants (Weir lead)	2/10/2016	Discuss with TAC first during February 18 web conference meeting.	2/16/2016
Amend the agreement with Brown and Caldwell to delete the Triple Bottom Line section in the scope and to reduce the agreement by \$24,000 for the previously approved transfer of funds to the Bryant & Associates agreement	SCWA	11/30/2015	In process.	
Finalize List of Phase 2 Projects for Feasibility Study	Board, TAC, Consultants	1/19/2016	List approved by Board on January 25, 2016	1/25/2016
Present possible budget impacts and draft 2-year budget for FY16/17 and FY17/18 to TAC at February 18, 2016 web meeting	Consultants	2/15/2016	To be presented to TAC at February 18, 2016 meeting	2/16/2016
Provide information on non-Title XVI funding opportunities at January 25, 2016 meeting.	Bryant and Onate-Quintana	1/19/2016	Completed.	1/25/2016
Consider topics and tours for the 2016 WateReuse Conference in Santa Rosa as well as consider sponsorship opportunities. NBWRA sponsorship. TAC service in NBWRA booth.	TAC and Consultant Team	Ongoing	In process. TAC approved sponsorship level of \$500. B&C to provide NBWRA Booth. TAC members encouraged to serve in booth. Sign-up sheet will be distributed.	
Amend B&C Agreement and transfer \$24,000 to Bryant agreement. Amend B&C Agreement to incorporate not to exceed \$110,000 for seasonal storage analysis, with no change to agreement total or approved NBWRA Budget	SCWA	8/15/2015	Bryant amendment completed. TAC approved modifications for B&C agreement for seasonal storage analysis. Chair approved modification to add \$25,000 for outreach from TBL funds. Additional modifications under consideration for Board approval on October 26, 2015.	
Use Skype if Pilar cannot attend meetings.	B&C, Weir	9/21/2015	In process	
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

ITEM NO. 6 BUDGET IMPACTS FOR FY2016/17 AND FY2017/18 AND DRAFT 2-YEAR BUDGET

Recommendation

It is recommended that the TAC review the budget impacts and draft 2-Year Budget for FY2016/17 and FY2017/18 and provide direction to the consultant team regarding costs and member agency cost sharing. Any changes can be made and a revised draft budget can be sent to the TAC within a few days to allow the TAC adequate time to discuss with their Boards and Councils and be prepared to discuss further at the March 28, 2016 TAC meeting. A final version is planned to be presented to the Board for approval at the April 25, 2016 meeting.

Please refer to the PowerPoint and budget spreadsheets for this item. Each of the consultants and SCWA will discuss cost impacts for FY2016/17 and FY2017/18.

Proposed Changes to Costs for FY2016/17

As described by the consultants there are the following changes to the FY2016/17 Budget due to the changes in the program that have occurred over the last two years:

- Increase from \$1,786,440 to \$2,273,206 (\$486,766 or 27.2%)
- \$51,872 for Workshops, Public Outreach, Management
- \$404,921 for Environmental Evaluation
- \$14,723 for Phase 2 Grant Applications
- \$42,000 for Federal Advocacy
- \$9,000 for State Advocacy
- (37,250) for Program Management

Proposed Budget for FY2017/18

Although there may be some work included in the FY2016/17 Budget that will carry over to FY2017/18, the Budget for FY2017/18 is significantly lower than FY2016/17. Activities are largely maintenance level for Program Development and Advocacy, Outreach, Program Management and SCWA Administration. The proposed FY2017/18 Budget includes the following:

- FY17/18 Total Budget of \$997,620
- Program Development/ State and Federal Advocacy = \$347,200
- Engineering/Environmental/Outreach = \$217,670
- Program Management = \$37,750
- SWCA Administration = \$395,000

4-Year Budget Versus 3-Year Budget

A summary of the changes in the previous 3-year Budget, which was developed in May 2014 versus the proposed 4-year Budget includes the following:

- \$6,420,823 versus \$4,985,479
- Increase of \$1,435,344 or 28.8% for the additional efforts in FY2016/17 and adding an additional Budget Year for FY2017/18

Member Agency Cost Sharing

The proposed cost sharing for FY2016/17 and FY2017/18 are on the same basis as the Budget that was presented in May 2014. There have been changes in the number and cost of the projects and as a result, the current percentages may not be applicable. The following table summarizes the changes in percentages.

Member Agency	Original Phase 2 Project Costs	Phase 2 as of January 2016	Split based on Original Total Project Costs	Split based on Phase 2 as of January 2016
Marin MWD	\$0	\$0	0.000%	0.000%
LGVSD	\$0	\$0	0.000%	0.000%
Novato SD	\$35,540,000	\$11,000,000	26.682%	11.236%
Petaluma	\$31,080,000	\$30,600,000	23.333%	31.256%
SVCSD	\$5,210,000	\$6,200,000	3.911%	6.333%
SCWA	\$14,500,000	\$7,000,000	10.886%	7.150%
Napa SD	\$46,870,000	\$43,100,000	35.188%	44.025%
TOTAL	\$133,200,000	\$97,900,000	100.000%	100.000%

It should be noted that the above costs as of January 2016 include both Title XVI and non-Title XVI Project Level EIR/EIS projects. The total for Napa San also includes the two MST projects that were discussed at the January meeting. The project costs for programmatic level projects have not been factored into this summary. The most significant change is the percentage for Novato SD. It is understood that there will be a “truing up” of Phase 2 costs once the EIR/EIS is certified and final project costs are fully defined. However, the TAC may wish to consider changing the percentages for the next two year Budget.

Recommendation

It is recommended that the TAC review the budget impacts and draft 2-Year Budget for FY2016/17 and FY2017/18 and provide direction to the consultant team regarding costs and member agency cost sharing. Any changes can be made and a revised draft budget can be sent to the TAC within a few days to allow the TAC adequate time to discuss with their Boards and Councils and be prepared to discuss further at the March 28, 2016 TAC meeting. A final version is planned to be presented to the Board for approval at the April 25, 2016 meeting.

NBWRA TAC Meeting The Phase 2 Program: Proposed Cost Changes

TAC Web-meeting
February 18, 2016



Approved Phase 2 Program January 2016

Agency	Project Type	Project Title	Total Project Capital Costs (\$mil)	Title XVI Project Level EIR/ EIS		Non- Title XVI Project Level EIR/EIS	Programmatic Level
Novato SD	Treatment	Novato SD WRP Capacity - 1st Expansion (+0.85 MGD)	\$4.8	\$4.8	\$6.2	\$4.8	
		Novato SD WRP Capacity- 2nd Expansion (+0.85 MGD)	\$4.8				
	Seasonal Storage	Option 1: Site Near Highway 37 (Tertiary) 150 AF	\$5.6				\$5.6
		Option 2: Site Near Highway 37 (Secondary) 150 AF	\$8.0				\$8.0
		Option 3: Hamilton Site (Secondary) 150AF	\$14.2				\$14.2
	Environmental Enhancement	Marin County Lower Novato Creek Project - Distribution	\$0.9	\$0.9			
Marin County Lower Novato Creek Project - Restoration		\$21.5			\$21.5		
		Turnout to Transitional Wetlands	\$0.6	\$0.6			
SVCSD	Seasonal Storage	Option 1: Mulas Site (Tertiary) 49 AF	\$2.4		\$6.2		\$2.4
		Option 2: Robledo Site (Tertiary) 49 AF	\$2.6	\$2.6			
	Distribution	Napa Road Pipeline	\$3.6	\$3.6			
SCWA	Groundwater Management	Valley of the Moon ASR	\$3.4	\$3.4	\$7.0		
		Sonoma ASR	\$3.6	\$3.6			
		Sonoma Valley Groundwater Management and Recharge Study	TBD				TBD
Petaluma	Treatment	Increase ECWRF Capacity	\$9.0	\$9.0	\$30.6		
	Seasonal Storage	Option 1a: Site South east of ECWRF (Secondary) 300 AF	\$14.3				\$14.3
		Option 1b: Site South east of ECWRF (Secondary) 150 AF	\$7.3				\$7.3
	Distribution	Urban Recycled Water Expansion	\$11.4	\$11.4			
		Agricultural Recycled Water Expansion Phase 1	\$4.2	\$4.2			
		Agricultural Recycled Water Expansion Phase 2	\$6.0	\$6.0			
		Agricultural Recycled Water Expansion Phase 3	\$6.5			\$6.5	
Napa SD	Treatment	Soscol WRF Increased Filter Capacity	\$2.2	\$2.2	\$33.2		
	Operational Storage	Additional Soscol WRF Covered Storage	\$2.9	\$2.9			
		Napa State Hospital Storage Tank	\$7.4				\$7.4
	Seasonal Storage	Option 1a: Raise Existing Pond Levees (Secondary) 300 AF	\$9.9				\$9.9
		Option 1b: Raise Existing Pond Levees (Secondary) 1,100AF	\$30.2				
		Option 2: Somky Ranch Site (Secondary) 300AF	\$15.3				
		Option 3a: Jameson Ranch Site (Tertiary) 600 AF	\$17.3	\$17.3			
		Option 3b: Jameson Ranch Site (Tertiary) 300 AF	\$11.8				
	Distribution	MST Northern Loop	\$6.9	\$6.9			
		MST Eastern Extension	\$3.9	\$3.9			
			\$242	\$83	\$83	\$15	\$87



Additional Resources are Needed to Continue Tasks in FY 16/17

- Phase 2 Studies
 - Environmental Analysis
 - Expanded number of projects to address
 - Potential need for dual permitting & **ROD's**
- Public Involvement
 - Support expanded EIS/EIR
 - Continue to support Re-Act initiative
- Program Development, Federal and State Advocacy
 - Support project funding and legislative initiatives



New and On-going Tasks Continue in FY 17/18

Contracts End June 2017

- NBWRA Support Tasks
 - On-going technical support
 - USBR Phase 2 grants: Preparation and Administration
 - Other Phase 2 grant and funding options
 - Public Involvement
 - Program Development, Federal and State Advocacy
 - Board and TAC Meetings
 - Program Management
 - Administration



Requested Action from TAC

- Direct consultants to prepare expanded task descriptions and supporting budgets for FY 16/17 and 17/18

- Schedule a TAC web-meeting in early February to discuss:
 - amending the FY 16/17 budget and,
 - issues associated with adding 17/18 tasks and budget

Proposed Process:

- February-March TAC members discuss proposed increased scopes and budgets with respective Boards
- Discuss outcomes/recommendations at March TAC meeting
- Schedule any actions for April Board meeting



Today's Discussion: Program Tasks and Budgets

- 💧 Planning and Engineering
- 💧 Program Development, Federal and State Advocacy
- 💧 Program Management and Administration



Planning and Engineering



Qualitative Discussion Of Changes

Task	FY 16/17 Change	FY17/18 Change
1 Workshops/Public Outreach/ Management		
1.1 Workshops	Add 2 each Board & TAC Mtgs: (4 in original contract) \$27k less than 15/16	Add 6 each Board & TAC Mtgs \$21k less than FY15/16
1.3 Public Involvement	Add funding to continue Western Water Webpage	Same LOE as FY14/15, 15/16, 16/17
1.4 Administration	No Change	Add same BC LOE as previous year. No additional LOE for Subs \$15k less than FY16/17
2 Title XVI Feasibility Study/Report	No Change	No Change
3 Environmental Evaluation	Meeting with Reclamation indicates that a Supplemental EIS/EIR is not sufficient. A new EIS required but may reference the Phase 1 EIS. However, one consultation and one ROD	
3.1 Environmental Constraints Analysis	Add funding for Full EIS + additional facilities	Carryover from FY16/17 if Necessary
3.2 Environmental Compliance-NEPA/CEQA	Add funding for Full EIS + additional facilities	Carryover from FY16/17 if Necessary
<ul style="list-style-type: none"> • 3.2.8 Permitting and Regulatory Process • 3.2.9 Record of Decision 	Add funding for Full EIS + additional facilities No Change	Carryover from FY16/17 if Necessary No Change

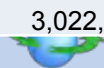
Qualitative Discussion Of Changes

Task	FY 16/17 Change	FY17/18 Change
4 Financial Capabilities Determination	No Change	No Change
5 Phase 2 Grant Applications & Management		
Study Grant Application and Management	No Change \$33,289 remains through FY16/17	Carryover \$10,000 for grant closeout
Construction Grant Preparation and Submittal	No Change	<ul style="list-style-type: none"> • New Fall 2017 Application: \$38,012 • Add \$14,723 to budget <p>Follow-up Phase 1 Applications were \$27k</p>
6 Phase 1 Grant Application & Management 6.1 Program Support and Coordination 6.2 State Grant Support 6.3 Phase 1 Grant Application & Management 6.4 Additional Services	No Change. \$44,277 remaining	Carryover if needed



Current Budget with Approved Amendment #1

	Task	Total Original Contract	Amendment #1 Changes	Total Amended Contract
1	Workshops/Public Outreach/Management	694,289		744,288
1.1	Workshops	171,860	25,000	196,860
1.3	Public Involvement	291,276	25,000	316,276
1.4	Administration	231,152		231,152
2	Title XVI Feasibility Study/Report	1,184,777		1,135,778
2.1	Introductory Information	34,728		34,728
2.2	Statement of Problems/Needs	43,231		43,231
2.3	Water Reclamation/Reuse Opps	54,257		54,257
2.4	Analysis of Alternatives/FS Report	1,052,562	-49,000	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 Determination	56,590		56,590
5	Phase 2 Grant Applications & Management	92,655	-25,000	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	3,022,380	-24,000	2,998,380



Proposed Contract Amendment #2

Item No. 6

Task		Total Amended Contract	Contracted FY16/17 Budget	Additional FY 16/17	New FY17/18	FY 16/17 & 17/18 Increase	New Total Contract
1	Workshops/Public Outreach/Management	744,288	198,954	51,872	217,670	269,542	1,013,830
1.1	Workshops	196,860	30,230	26,872	63,624	90,496	287,356
1.3	Public Involvement	316,276	97,092	25,000	97,092	122,092	438,368
1.4	Administration	231,152	71,632		56,954	56,954	288,106
2	Title XVI Feasibility Study/Report	1,135,778				0	1,135,778
2.1	Introductory Information	34,728				0	34,728
2.2	Statement of Problems/Needs	43,231				0	43,231
2.3	Water Reclamation/Reuse Opps	54,257				0	54,257
2.4	Analysis of Alternatives/FS Report	1,003,562				0	1,003,562
3	Environmental Evaluation	796,450	796,450	404,921		404,921	1,201,371
3.1	Environmental Constraints Analysis	279,178		132,458		132,458	411,636
3.2	Environmental Compliance-NEPA/CEQA	517,272		272,463		272,463	789,735
4	Financial Capabilities Determination	56,590	56,590			0	56,590
5	Phase 2 Grant Applications & Management	67,655	13,795	14,723		14,723	82,378
6	Phase 1 Grant Application & Management	197,619	46,993			0	197,619
6.1	Program Support and Coordination	61,340	20,447			0	61,340
6.2	State Grant Support	38,254	12,751			0	38,254
6.3	Phase 1 Grant Application & Management	92,655	13,795			0	92,655
6.4	Additional Services	5,370					
TOTAL		2,998,380	1,112,782	471,516	217,670	689,186	3,687,566



Environmental Considerations

- Completion of Full EIR/EIS per Reclamation Guidance
 - Supplemental/Subsequent EIR/EIS assumed in original scope
 - Single ROD for proposed facilities
- Increased Facilities under Program
 - Number of facilities and ability to provide local coverage
- Inclusion of Lower Novato Creek
 - Even at program level, it will increase analysis
- Increased effort through the permitting process



Details of Environmental Evaluation Increase

	Tasks	Labor and Expenses	Comments
3	Environmental Evaluation	404,921	
3.1	Environmental Constraints Analysis	132,458	
	Regulatory Requirements/Compliance Measures	11,256	
	a. Environmental Issues	6,336	
	b. Biological Recon Survey	16,380	Increased need for bio survey
	c. Cultural Resources Phase I	21,420	Increase need for cultural survey
	d. Geology and Soils	5,712	Underscoped
	e. Surface Water Resources	13,344	Underscoped surface water for SWRCB 1211 Underscoped GW with Sonoma Valley Management
	f. Groundwater Resources	24,212	
	g. Water Quality	4,608	
	h. Biological Resources	0	
	i. Fisheries	0	
	j. Land Use	0	
	k. Cultural Resources	0	
	l. Noise	0	
	m. Air Quality	0	
	n. Traffic	0	
	o. Hazardous Materials	0	
	p. Socioeconomics	7,560	Increased facilities
	q. Environmental Justice	10,080	Increased facilities
	r. Aesthetics	4,620	Increased facilities
	s. Growth Inducement	6,930	Underscoped
3.2	Environmental Compliance-NEPA/CEQA	272,463	
	3.2.1 Notice of Intent/Preparation and Scoping	0	
	3.2.2 Administrative Draft EIS/EIR	26,334	Increased effort for full EIR/EIS
	Project Description	18,018	Increased PD effort
	a. Alternatives	8,316	
	3.2.3 Admin. Draft 2 EIR/EIS	36,029	Increased Effort Full EIS
	3.2.4 Public Draft EIS/EIR	5,069	
	a. Public Draft EIR/EIS	0	
	b. Public Hearings	5,069	
	3.2.5 Public Meetings	15,939	No public hearings previously
	3.2.6 Final EIS/EIR	21,123	Increased FEIR Effort
	a. Admin. Draft Final EIR/EIS	14,315	
	b. 2nd Admin. Draft Final EIR/EIS	-2,432	
	c. Final EIR/EIS Circulation	9,240	
	3.2.7 Certification Materials	11,431	
	CEQA Certification Materials	5,082	Increased CEQA certification effort
	CEQA Certification Hearings	6,349	
	3.2.8 Permitting and Regulatory Process	104,003	
	a. USFWS Section 7 Consultation	62,212	Increased Section 7 Consult
	b. Section 106 Consultation	41,791	Increased Section 106 consult
	3.2.9 Record of Decision	52,535	

Program Development Federal and State Advocacy



Program Development Federal and State Advocacy

Firms and Tasks	FY 15/16 Current Budget	FY 16/17 Current Budget	FY 16/17 Proposed Budget	FY 17/18 Proposed Budget
Bryant & Assoc - Program Development	\$190,200	\$190,200	\$190,200	\$190,200
Authority Support				
Coordinate with Consultants and Track Program Components				
Pursue Federal Funding With Reclamation				
Pursue other State and Federal Authorizing and Funding Sources				
Mobilize and Develop Broad Stakeholder Support				
Manage Federal and State Advocates				
Reporting				
Note: Budgets Inclusive of Expenses				



Program Development Federal and State Advocacy

Firms and Tasks	FY 15/16 Current Budget	FY 16/17 Current Budget	FY 16/17 Proposed Budget	FY 17/18 Proposed Budget
The Ferguson Group - Federal Advocacy	\$112,000	\$88,000	\$130,000	\$112,000
Program Funding Levels in the Budget				
Expanded Opportunitites under Existing Grant Programs				
New Authorizations, Loans and Grants Programs				
Related written materials and Washington DC Meetings				
Reporting				
Note: Budgets Inclusive of Expenses				



Program Development Federal and State Advocacy

💧 Federal Advocacy – The Ferguson Group

- (TFG) team logged more than **\$205,000** worth of hourly, billable time on behalf of the Authority in 2015.
- Billable time is likely to remain at a similar pace throughout the upcoming fiscal year as Congress continues work on the Federal drought relief legislation that include the RE-Act provisions for RIFIA loans, expanded WaterSMART grants and Title XVI reforms.
- Continue work on new, near-term opportunities for grants and financing **under existing programs; Reclamation/NRCS's Ag Water Efficiency Program and EPA's WIFIA program, for example.**



Program Development Federal and State Advocacy

Firms and Tasks	FY 15/16 Current Budget	FY 16/17 Current Budget	FY 16/17 Proposed Budget	FY 17/18 Proposed Budget
The Onate Group - State Advocacy	\$36,000	\$36,000	\$45,000	\$45,000
Existing and Near-future Water Recycling Funding Programs				
Monitor/Engage on Related Policy of Interest to NBWRA Members				
Relationship Building and Tours with Members and Key Staff				
Interact with Other Associations working on Recycled Water Issues				
Assist with Administrative or Regulatory Hurdles Specific to Program Implementation				
Reporting and Meetings				
Note: Budget Does Not Include Expenses				



Program Development Federal and State Advocacy

- State Advocacy – The Onate Group
 - Review of tracked hours spent on NBWRA issues provides the basis for an additional \$750 a month or \$9,000 a year increase to the contracted retainer.



Program Development Federal and State Advocacy: Budget Summary Request

Firms and Tasks	FY 15/16 Current Budget	FY 16/17 Current Budget	FY 16/17 Proposed Increase	FY 16/17 Proposed Budget	FY 17/18 Proposed Budget
Bryant & Associates	\$190,200	\$190,200	\$0	\$190,200	\$190,200
The Ferguson Group	\$112,000	\$88,000	\$42,000	\$130,000	\$112,000
The Onate Group	\$36,000	\$36,000	\$9,000	\$45,000	\$45,000
Totals	\$338,200	\$314,200	\$51,000	\$365,200	\$347,200



Program Management and Administration



Program Management Tasks and Budget

- 💧 Board of Directors and TAC Meeting Management
- 💧 Financial Management
- 💧 Project Support and Review
- 💧 Program Planning
- 💧 Governance Issues (MOU)
- 💧 Current Budget in Agreement

FY14/15 Approved	FY15/16 Approved	FY16/17 Proposed	3-Year Total
\$70,500	\$75,500	\$75,500	\$221,500



Budget Issues

- 💧 Current Program Management Costs = \$4, 232/month
- 💧 Amount Remaining in Agreement = \$153,776
- 💧 Approximate Number of Months Remaining = 36 months (Jan 2019)
- 💧 Recommendation
 - Extend Current Agreement through June 30, 2018 (no change in total)
 - Split current budget costs for FY16/17 equally between FY16/17 and FY17/17

FY14/15 Approved	FY15/16 Approved	FY16/17 Recommended	FY17/18 Recommended	4-Year Total
\$70,500	\$75,500	\$37,750	\$37,750	\$221,500



SCWA Administration



SCWA Administration

- 💧 No Changes for FY16/17 as there is adequate funding from FY15/16 that will rollover
- 💧 No Change in Joint Use for FY17/18 = \$135,000
- 💧 Phase 2 Support for FY17/18 = \$260,000
- 💧 Factors for the estimates:
 - Depends on level of environmental review
 - Whether USBR allocated final Phase 1 funding this year
 - Changes in number of members, scope, jurisdiction
 - Changes to the MOU





Summary of Costs



Changes to Costs for FY16/17

- 💧 Increase from \$1,786,440 to \$2,273,206 (\$486,766 or 27.2%)
- 💧 \$51,872 for Workshops, Public Outreach, Management
- 💧 \$404,921 for Environmental Evaluation
- 💧 \$14,723 for Phase 2 Grant Applications
- 💧 \$42,000 for Federal Advocacy
- 💧 \$9,000 for State Advocacy
- 💧 (37,250) for Program Management



FY17/18 and 4-Year Budget

- 💧 FY17/18 Total Budget of \$997,620
 - Program Development/ State and Federal Advocacy = \$347,200
 - Engineering/Environmental/Outreach = \$217,670
 - Program Management = \$37,750
 - SWCA Administration = \$395,000
- 💧 4-Year Budget versus 3-Year Budget
 - \$6,420,823 versus \$4,985,479
 - Increase of \$1,435,344 or 28.8% for the additional year



Proposed FY16/17 and FY17/18 Budgets

North Bay Water Reuse Authority	February 16, 2016				
Proposed Fiscal Year Budgets					
Fiscal Year 2014/15 through Fiscal Year 2017/18					
	Approved 5/14/14	Approved 4/27/15	Proposed	Proposed	Proposed
	FY2014/15	FY2015/16	FY2016/17	FY2017/18	4-Year Total
Phase 1 Support					
Grant Applications and Management - B&C	72,628	77,998	46,993	-	197,619
Program Development (40% of \$190,200 total) - Bryant	76,080	76,080	76,080	76,080	304,320
Federal Advocacy (30% of) - TFG sub to Bryant	26,400	26,400	39,000	33,600	125,400
Total Costs for Phase 1 Support	175,108	180,478	162,073	109,680	627,339
TFG proposed \$130,000 for FY16/17 and \$112,000 for FY17/18					
Phase 2 Support					
Program Development (60% of \$190,200 total) - Bryant	114,120	114,120	114,120	114,120	456,480
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	61,600	61,600	91,000	78,400	292,600
Total Costs for Phase 2 Support	175,720	175,720	205,120	192,520	749,080
Phase 2 Feasibility Study - Three Years					
Engineering, Environmental, and Outreach Services - B&C	823,335	931,636	1,537,305	217,670	3,509,946
SCWA Administration - Grants and EIR/EIS	93,829	106,171	150,958	260,000	610,958
Total Costs for Study	917,164	1,037,807	1,688,263	477,670	4,120,904
Total Costs for Phase 2	1,092,884	1,213,527	1,893,383	670,190	4,869,984
Joint Use					
Program Management - Weir	70,500	75,500	37,750	37,750	221,500
State Advocacy - The Oñate Group (Sub to Bryant)	36,000	36,000	45,000	45,000	162,000
SCWA Administration	135,000	135,000	135,000	135,000	540,000
Total Costs for Joint Use	241,500	246,500	217,750	217,750	923,500
Total Costs					
Weir	70,500	75,500	37,750	37,750	221,500
Bryant & Associates (Includes TFG & Oñate)	314,200	314,200	365,200	347,200	1,340,800
Brown & Caldwell (Includes ESA & Data Instincts)	895,963	1,009,634	1,584,298	217,670	3,707,565
SCWA Administration	228,829	241,171	285,958	395,000	1,150,958
Total Costs for NBWRA	1,509,492	1,640,505	2,273,206	997,620	6,420,823



North Bay Water Reuse Authority
Proposed Fiscal Year Budgets
Fiscal Year 2014/15 through Fiscal Year 2017/18

February 16, 2016

	Approved 5/14/14	Approved 4/27/15	Proposed	Proposed	Proposed
Phase 1 Support	FY2014/15	FY2015/16	FY2016/17	FY2017/18	4-Year Total
Grant Applications and Management - B&C	72,628	77,998	46,993	-	197,619
Program Development (40% of \$190,200 total) - Bryant	76,080	76,080	76,080	76,080	304,320
Federal Advocacy (30% of) - TFG sub to Bryant	26,400	26,400	39,000	33,600	125,400
Total Costs for Phase 1 Support	175,108	180,478	162,073	109,680	627,339

TFG proposed \$130,000 for FY16/17 and \$112,000 for FY17/18

Phase 2 Support	FY2014/15	FY2015/16	FY2016/17	FY2017/18	4-Year Total
Program Development (60% of \$190,200 total) - Bryant	114,120	114,120	114,120	114,120	456,480
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	61,600	61,600	91,000	78,400	292,600
Total Costs for Phase 2 Support	175,720	175,720	205,120	192,520	749,080

Phase 2 Feasibility Study - Three Years	FY2014/15	FY2015/16	FY2016/17	FY2017/18	4-Year Total
Engineering, Environmental, and Outreach Services - B&C	823,335	931,636	1,537,305	217,670	3,509,946
SCWA Administration - Grants and EIR/EIS	93,829	106,171	150,958	260,000	610,958
Total Costs for Study	917,164	1,037,807	1,688,263	477,670	4,120,904

Total Costs for Phase 2	1,092,884	1,213,527	1,893,383	670,190	4,869,984
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Joint Use	FY2014/15	FY2015/16	FY2016/17	FY2017/18	4-Year Total
Program Management - Weir	70,500	75,500	37,750	37,750	221,500
State Advocacy - The Onate Group (Sub to Bryant)	36,000	36,000	45,000	45,000	162,000
SCWA Administration	135,000	135,000	135,000	135,000	540,000
Total Costs for Joint Use	241,500	246,500	217,750	217,750	923,500

Total Costs	FY2014/15	FY2015/16	FY2016/17	FY2017/18	4-Year Total
Weir	70,500	75,500	37,750	37,750	221,500
Bryant & Associates (Includes TFG & Oñate)	314,200	314,200	365,200	347,200	1,340,800
Brown & Caldwell (Includes ESA & Data Instincts)	895,963	1,009,634	1,584,298	217,670	3,707,565
SCWA Administration	228,829	241,171	285,958	395,000	1,150,958
Total Costs for NBWRA	1,509,492	1,640,505	2,273,206	997,620	6,420,823

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

Member Agency Cost Allocations

February 16, 2016

Based on Phase 2 Project Costs

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Applications and Management - B&C	46,993	46,993	3,402	14,988	4,047	12,910	1,678	8,290	1,678	
Program Development (40% of \$221,110 total) - Bryant	76,080	76,080	5,507	24,265	6,551	20,901	2,717	13,420	2,717	
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	39,000	39,000	2,823	12,439	3,358	10,714	1,393	6,880	1,393	
Total	\$162,073	\$162,073	\$11,732	\$51,692	\$13,956	\$44,526	\$5,788	\$28,590	\$5,788	

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Phase 2 Support</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	40,156	30,449	4,464	12,423	-	-	26,628	-
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	91,000	91,000	-	32,021	24,280	3,559	9,906	-	-	21,233	-
Total	\$205,120	\$205,120	\$0	\$72,177	\$54,729	\$8,023	\$22,329	\$0	\$0	\$47,861	\$0

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	1,537,305	1,537,305	-	540,942	410,179	60,130	167,349	-	-	358,705	-
SCWA Administration - Grants and EIR/EIS	150,958	150,958	-	53,119	40,278	5,905	16,433	-	-	35,224	-
Total	\$1,688,263	\$1,688,263	\$0	\$594,061	\$450,457	\$66,035	\$183,782	\$0	\$0	\$393,928	\$0

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Joint Use</i>			12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
Program Management - Weir	37,750	37,750	4,719	4,719	4,719	4,719	4,719	4,719	4,719	4,719	-
State Advocacy - The Onate Group (Sub to Bryant)	45,000	45,000	5,625	5,625	5,625	5,625	5,625	5,625	5,625	5,625	-
SCWA Administration	135,000	135,000	16,875	16,875	16,875	16,875	16,875	16,875	16,875	16,875	-
Total	\$217,750	\$217,750	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$0

Total Cost per Agency for FY 2016/17											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
FY16/17 Proposed	\$2,273,206	\$2,273,206	\$38,951	\$745,149	\$546,362	\$145,803	\$239,119	\$55,808	\$33,007	\$469,008	\$15,000

North Bay Water Reuse Authority
Proposed Agency Cost Allocations
Fiscal Year 2017/18

Member Agency Cost Allocations

February 16, 2016

Based on Phase 2 Project Costs

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Applications and Management - B&C	0	0	0	0	0	0	0	0	0	
Program Development (40% of \$221,110 total) - Bryant	76,080	76,080	5,507	24,265	6,551	20,901	2,717	13,420	2,717	
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	33,600	33,600	2,432	10,717	2,893	9,231	1,200	5,927	1,200	
Total	\$109,680	\$109,680	\$7,940	\$34,982	\$9,445	\$30,132	\$3,917	\$19,347	\$3,917	

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Phase 2 Support</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Program Development (60% of \$221,110 total) - Bryant	114,120	114,120	-	40,156	30,449	4,464	12,423	-	-	26,628	-
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	78,400	78,400	-	27,587	20,918	3,067	8,535	-	-	18,293	-
Total	\$192,520	\$192,520	\$0	\$67,743	\$51,368	\$7,530	\$20,958	\$0	\$0	\$44,921	\$0

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	217,670	217,670	-	76,593	58,078	8,514	23,695	-	-	50,790	-
SCWA Administration - Grants and EIR/EIS	260,000	260,000	-	91,488	69,372	10,170	28,303	-	-	60,667	-
Total	\$477,670	\$477,670	\$0	\$168,081	\$127,451	\$18,684	\$51,999	\$0	\$0	\$111,457	\$0

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Joint Use</i>			12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
Program Management - Weir	37,750	37,750	4,719	4,719	4,719	4,719	4,719	4,719	4,719	4,719	-
State Advocacy - The Onate Group (Sub to Bryant)	45,000	45,000	5,625	5,625	5,625	5,625	5,625	5,625	5,625	5,625	-
SCWA Administration	135,000	135,000	16,875	16,875	16,875	16,875	16,875	16,875	16,875	16,875	-
Total	\$217,750	\$217,750	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$27,219	\$0

Total Cost per Agency for FY 2017/18											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
FY17/18 Proposed	\$997,620	\$997,620	\$35,158	\$298,025	\$215,482	\$83,565	\$104,092	\$46,566	\$31,136	\$183,597	\$15,000

North Bay Water Reuse Authority
Proposed Agency Cost Allocations

Member Agency Cost Allocations

February 16, 2016

Four Fiscal Year 2014/15, 2015/16, 2016/17, and 2017/18

Based on Phase 2 Project Costs

Phase 1 Support										
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%	100.000%
Grant Applications and Management - B&C	197,619	197,619	14,305	63,029	17,017	54,292	7,058	34,860	7,058	
Program Development (40% of \$221,110 total) - Bryant	304,320	304,320	22,029	97,061	26,205	83,605	10,869	53,682	10,869	
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	125,400	125,400	9,078	39,996	10,798	34,451	4,479	22,120	4,479	
Total	\$627,339	\$627,339	\$45,412	\$200,086	\$54,021	\$172,348	\$22,405	\$110,662	\$22,405	

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Phase 2 Support</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Program Development (60% of \$221,110 total) - Bryant	456,480	456,480	-	160,625	121,797	17,855	49,692	-	-	106,512	-
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	292,600	292,600	-	102,959	78,071	11,445	31,852	-	-	68,273	-
Total	\$749,080	\$749,080	\$0	\$263,584	\$199,867	\$29,300	\$81,544	\$0	\$0	\$174,785	\$0

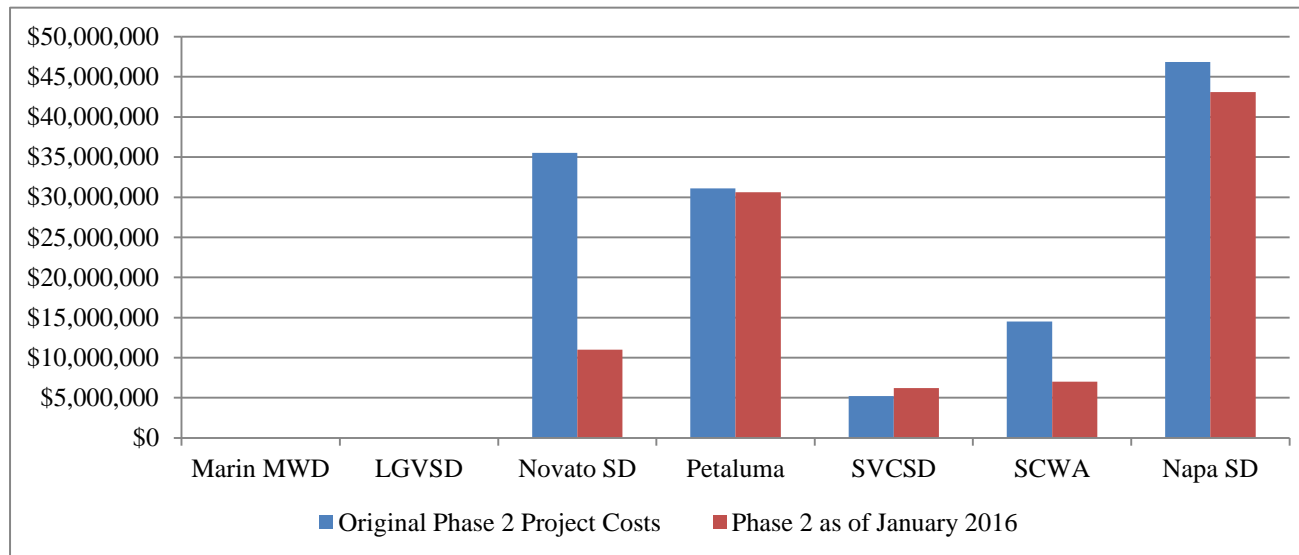
Phase 2 Feasibility Study - Four Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	3,509,946	3,509,946	-	1,235,069	936,513	137,288	382,089	-	-	818,987	-
SCWA Administration - Grants and EIR/EIS	610,958	610,958	-	214,982	163,014	23,897	66,508	-	-	142,557	-
Total	\$4,120,904	\$4,120,904	\$0	\$1,450,051	\$1,099,527	\$161,186	\$448,597	\$0	\$0	\$961,544	\$0

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
<i>Percent for Joint Use</i>			12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
Program Management - Weir	221,500	221,500	27,688	27,688	27,688	27,688	27,688	27,688	27,688	27,688	-
State Advocacy - The Onate Group (Sub to Bryant)	162,000	162,000	20,250	20,250	20,250	20,250	20,250	20,250	20,250	20,250	-
SCWA Administration	540,000	540,000	67,500	67,500	67,500	67,500	67,500	67,500	67,500	67,500	-
Total	\$923,500	\$923,500	\$115,438	\$115,438	\$115,438	\$115,438	\$115,438	\$115,438	\$115,438	\$115,438	\$0

Total Cost per Agency for FY2014/15, FY2015/16, FY2016/17, and FY2017/18											
	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	MMWD, Marin County, American Canyon
Three FY Proposed	\$6,420,823	\$6,420,823	\$160,850	\$2,029,159	\$1,468,852	\$478,270	\$667,983	\$226,100	\$137,842	\$1,251,767	\$40,000

Feasibility Study Percent Calculations

Member Agency	Original Phase 2 Project Costs	Phase 2 as of January 2016	Split based on Original Project Costs	Split based on Phase 2 as of January 2016	4-Yr Feasibility Study Costs	Study Cost per Million Dollars of Projects
Marin MWD	\$0	\$0	0.000%	0.000%	\$0	\$0
LGVSD	\$0	\$0	0.000%	0.000%	\$0	\$0
Novato SD	\$35,540,000	\$11,000,000	26.682%	11.236%	\$1,099,527	\$30,938
Petaluma	\$31,080,000	\$30,600,000	23.333%	31.256%	\$961,544	\$30,938
SVCSD	\$5,210,000	\$6,200,000	3.911%	6.333%	\$161,186	\$30,938
SCWA	\$14,500,000	\$7,000,000	10.886%	7.150%	\$448,597	\$30,938
Napa SD	\$46,870,000	\$43,100,000	35.188%	44.025%	\$1,450,051	\$30,938
TOTAL	\$133,200,000	\$97,900,000	100.000%	100.000%	\$4,120,905	\$30,938



ITEM NO. 7 MOU ISSUES – PURPOSE AND OBJECTIVES

Recommendation

It is recommended that the TAC discuss the MOU's current Purpose and Objectives and develop consensus regarding the issue of zero discharge to receiving waters.

At the January 25, 2016 Board meeting the following changes to the Purpose and Objectives were discussed:

Purpose

The purpose of NBWRA is to ~~provide~~ support recycled and other ~~related water management opportunities to benefit for~~ agricultural, urban, and environmental uses thereby reducing reliance on local and imported surface water and groundwater supplies. ~~and reducing the amount of treated effluent released to San Pablo Bay and its tributaries.~~

Objectives

NBWRA projects will promote the expanded beneficial use of recycled water ~~and other related water management opportunities~~ in the North Bay Region to:

- (a) Offset urban and agricultural demands on surface water and groundwater supplies;
- (b) Enhance local and regional ecosystems;
- (c) Improve local and regional water supply reliability;
- (d) Maintain and protect public health and safety;
- ~~(f) Give top priority to local needs for recycled water, and~~
- (g) Implement the ~~Program recycled water facilities~~ in an economically viable manner.

The primary issue is how to address the goal of at least one member agency to have zero discharge to receiving waters. Having a goal is admirable, but stating it may have unintended consequences of forcing the goal sooner than it is reasonable achievable. Regulatory agencies and non-governmental organizations could try to capitalize on the goal.

Options that may be considered include the following:

1. Continue with current Purpose and Objectives.
2. Wait to make changes until the MOU is revised to address cost sharing or other issues.
3. Accept the suggested changes.
4. Develop alternative language to accommodate the wishes of all member agencies.

One possible alternative would be to add an objective that states something like the following: *Maximize the development of recycled water projects to the maximum extent practicable.* Such a goal implies a goal of zero discharge, but does not explicitly state it and makes no mention of receiving waters.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
February 18, 2016

Recommendation

It is recommended that the TAC discuss the issues regarding the MOU's Purpose and Objectives and reach consensus on the concept of reducing discharges to receiving waters.