

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

Monday, March 28, 2016

Agenda

Novato City Hall Council Chambers, 901 Sherman Avenue, Novato, CA 94945
Consultants unable to attend in person may call in: Phone +1 (602) 567-4030 Access code:
1980#; <https://conferencing.brwncaid.com/conference/1980>

11:45 a.m.

(Time approximate, meeting will start approximately 10 minutes after Board meeting.)

	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. March 21, 2016 TAC Meeting Minutes
Page 4 Page 5	5.	Information	Report from the Program Manager a. Action Items from March 21, 2016 Meeting
	6.	Discussion	Recap Board Meeting
Pages 6 - 10	7.	Action	Recommend Board Approval of the FY2016/17 Budget as part of the Three-Year FY2014/15, FY2015/16, and FY2016/17 Budget
Pages 11 - 13	8.	Discussion	Phase 2 Cost Sharing Options
	9.	Information	Items from Committee, Agency Staff, or Consultants
	10.	Information	Items for Next Agenda (April 25, 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
Web Conference Meeting Minutes
March 21, 2016**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 4:02 p.m. on Monday, March 21, 2016. The meeting was a web conference only and attendees participated via telephone, 1 (602) 567-4030, passcode 1980;

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

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Kevin Booker	Sonoma County Water Agency
Jason Holley	City of American Canyon
Sandeep Karkal	Novato Sanitary District
Pam Jeane	Sonoma Valley County Sanitation District
Liz Lewis	Marin County
Susan McGuire	Las Gallinas Valley Sanitary District
Drew McIntyre	North Marin Water District
Phil Miller	Napa County
Dan St. John	City of Petaluma

Others Present

Chuck Weir, Program Manager	Weir Technical Services
Ginger Bryant	Bryant & Associates
Jim O'Toole	ESA
Mike Savage	Brown and Caldwell
Jake Spaulding	Sonoma County Water Agency
Jeff Tucker	Napa Sanitation District
Leah Walker	City of Petaluma

2. Approval of the Agenda

The Agenda was unanimously approved.

3. Public Comments

There were no public comments.

4. Consent Calendar

4.a February 18, 2016 TAC Meeting Minutes

The February 18, 2016 Meeting Minutes were unanimously approved with two amendments.

5. Report from the Program Manager

The Report from the Program Manager included the following items:

5.a Action Items from the February 18, 2016 Meeting

The TAC reviewed the Action Item List and noted that all items were current. It was noted that many items have been deleted from the list since they have been completed

6. Phase 2 Projects and Draft 2-Year Budget

The TAC discussed the Phase 2 Project list that was approved in January 2016. Several projects are unlikely to be completed in the next ten years and may be deleted from the list, which will have an impact on the scope and cost for the environmental effort as well as the cost sharing percentages. The TAC discussed the pros and cons of deleting projects from the list. The discussion of which projects will be deleted from the list will continue at the March 28, 2016 meeting.

Following discussion, it was agreed that a reasonable option to keep the program moving forward would be to approve the FY16/17 Budget as originally presented as part of the three-year budget in April 2014 with the understanding that a two-year budget (FY16/17 and FY17/18) would be considered at the October 24, 2016 Board meeting. It was further agreed that this would be with the understanding that the Ginger Bryant team would proceed as discussed under the previously discussed scopes for the two-year budget. It was further agreed that the B&C team's environmental effort would focus on those projects that were sure to remain on the Phase 2 Project list.

The option discussed above will be discussed at the March 28, 2016 TAC meeting and likely presented to the Board for action at the April 25, 2016 meeting. This option provides needed time for the member agencies to consider all project options and reach a final decision at the September 19, 2016 TAC meeting.

There was also discussion on possible impacts on cost sharing if projects were deleted. Mike Savage noted that it may be worthwhile considering sharing some Phase 2 costs on a "joint use" or "benefit" basis. Joint Use would be similar to the current joint use and would be shared equally by all Phase 2 agencies. Benefit basis would be shared on the basis of the number of projects that were studied at the Feasibility Level or the Environmental Evaluation. He showed a spreadsheet that showed how the costs could be shared.

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

There were no additional items.

8. Items for Next Agenda, March 17 or 21, 2016 Web Meeting

Action items included the following:

1. Review the previously presented FY16/17 as part of the three-year budget (FY14/15, FY15/16, and FY16/17) for approval by the Board on April 25, 2016.
2. Review possible Phase 2 alternative cost sharing approached based on the joint use and benefit concepts.

There being no further business, Chair Healy adjourned the meeting at 4:58 p.m.

ITEM NO. 5 REPORT FROM THE PROGRAM MANAGER

The Report from the Program Manager includes the following items:

5.a Action Items from March 21, 2016 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. Recap Board Meeting

The TAC and consultant team will review the Board meeting and action items.

7. Recommend Board Approval of the FY2016/17 Budget as part of the Three-Year FY2014/15, FY2015/16, and FY2016/17 Budget

Please refer to the separate Agenda Report for this item.

8. Phase 2 Cost Sharing Options

Please refer to the separate Agenda Report for this item.

NBWRA Board and TAC Short-Term Action Item List

Meeting Date: March 21, 2016

Task	Responsible Party	Due Date	Status	Completion Date
Joint Board/TAC Work session on March 28, 2016 to focus on MOU issues	Consultants (Weir lead)	3/28/2016	TAC discussed changes to purpose and objectives and added one more objective: "Maximize the development of recycled water projects to the extent practicable." To be presented to Board at April 25, 2016 work session.	
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.	
Approve FY16/17 Budget previously presented as part of three-year budget for FY14/15, FY15/16, and FY16/17.	TAC/Board	3/24/2016	To be considered by TAC at March 28, 2016 meeting.	
Finalize List of Phase 2 Projects for Feasibility Study	Board, TAC, Consultants	1/19/2016	List approved by Board on January 25, 2016. TAC to revisit over the next few months to develop a revised two-year budget for Board consideration at the October 24, 2016 meeting.	
Present possible budget impacts and draft 2-year budget for FY16/17 and FY17/18 to TAC at February 18, 2016 web meeting	Consultants/SCWA	2/25/2016	Completed. TAC considering having Board approve the previous FY16/17 Budget that was part of the three-year budget and approve revised budget in October 2016.	
Phase 2 Cost Sharing Options	Weir/TAC		Options include current percentages, average of May 2014 and January 2016 project costs, and combination of joint use and benefit. Discussion to begin at March 28, 2016 TAC meeting.	
Consider topics and tours for the 2016 WasteReuse Conference in Santa Rosa as well as consider sponsorship opportunities. NBWRA sponsorship. TAC service in NBWRA booth.	TAC and Consultant Team	Ongoing	Conference held March 13-15, 2016.	

ITEM NO. 7 RECOMMEND BOARD APPROVAL OF THE FY2016/17 BUDGET AS PART OF THE THREE-YEAR FY2014/15, FY2015/16, AND FY2016/17 BUDGET

Action Requested: TAC Recommendation that the Board approve the FY2016/17 Budget as part of the existing three-year FY2014/15, FY2015/16, and FY2016/17 Budget

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

- a. Three-Year Budget for FY2014/15, FY2015/15, and FY2016/17
- b. Member Agency Cost Sharing for FY2016/17
- c. Member Agency Cost Sharing for FY2014/15, FY2015/16 and FY2016/17

As discussed at the March 21, 2016 TAC meeting in order to maintain progress on the program Board approval of the existing budget is a viable option while issues are resolved regarding the final list of Phase 2 projects for environmental analysis and cost sharing. The Board has previously approved the three year budget on two separate occasions. Each year the Board approves only the funding for a single year. Funding for FY2014/15 was approved on May 19, 2014 and funding for FY2015/16 was approved on April 27, 2015.

Approval by the Board of funding for FY2016/17 is based on three items:

- a. An amended two-year budget for FY2016/17 and FY2017/18 will be presented to the Board for approval at the October 24, 2016 Board meeting.
- b. Environmental work will focus on the highest priority projects that are certain to continue as part of Phase 2.
- c. The level of effort for Bryant and Associates includes increased monthly fees for The Ferguson Group and The Oñate Group.

The cost sharing shown in items 7.b and 7.c continue to use the existing percentages based on the May 2014 Scoping Study project costs. Other cost sharing options will be discussed in Agenda Item No. 8.

Recommendation

It is recommended that the TAC recommend that the Board approve funding for the FY2016/17 Budget as previously presented under the following conditions:

- a. An amended two-year budget for FY2016/17 and FY2017/18 will be presented to the Board for approval at the October 24, 2016 Board meeting.
- b. Environmental work will focus on the highest priority projects that are certain to continue as part of Phase 2.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
March 28, 2016

- c. The level of effort for Bryant and Associates includes increased monthly fees for The Ferguson Group and The Oñate Group.

North Bay Water Reuse Authority
 Proposed Fiscal Year Budgets
 Fiscal Year 2015/16 through Fiscal Year 2016/17

March 24, 2016

FY2014/15 Approved by the Board May 19, 2014
 FY2015/16 Approved by the Board April 27, 2015

	Approved 3/25/13	Proposed	Proposed	Proposed	Proposed
Phase 1 Support	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Grant Applications and Management - B&C	60,000	72,628	77,998	46,993	197,619
Program Development (40% of \$190,200 total) - Bryant	-	76,080	76,080	76,080	228,240
Federal Advocacy (30% of \$88,000 total) - TFG sub to Bryant	-	26,400	26,400	26,400	79,200
Contingency	5,000	-	-	-	-
Total Costs for Phase 1 Support	65,000	175,108	180,478	149,473	505,059

Phase 2 Support	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$190,200 total) - Bryant	-	114,120	114,120	114,120	342,360
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	18,000	61,600	61,600	61,600	184,800
Feasibility Study Grant Application Preparation - B&C	40,000	-	-	-	-
Contingency	5,000	-	-	-	-
Total Costs for Phase 2 Support	63,000	175,720	175,720	175,720	527,160

Phase 2 Feasibility Study - Three Years	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Engineering, Environmental, and Outreach Services - B&C	166,080	823,335	931,636	1,063,789	2,818,760
SCWA Administration - Grants and EIR/EIS	-	116,836	132,205	150,958	400,000
Contingency	-	-	-	-	-
Total Costs for Study	166,080	940,171	1,063,841	1,214,747	3,218,760

Phase 2 Workshops (18 -month)	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Planning, Engineering, and Program Development	42,275	-	-	-	-
Contingency	-	-	-	-	-
Total Costs for Scoping Study Workshops	42,275				

Total Costs for Phase 2	271,355	1,115,891	1,239,561	1,390,467	3,745,920
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Joint Use	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Management - Weir	78,000	70,500	75,500	75,500	221,500
Program Development and Federal Funding - Bryant & Associates	178,000	-	-	-	-
Federal Authorizations and Appropriations - The Ferguson Group	65,000	-	-	-	-
Planning, Engineering and Funding Management - CDM Smith	10,000	-	-	-	-
State Advocacy - The Onate Group (Sub to Bryant)	30,000	36,000	36,000	36,000	108,000
Outreach and Community Support - Data Instincts	50,000	-	-	-	-
SCWA Administration	150,000	135,000	135,000	135,000	405,000
Contingency	25,000	-	-	-	-
Total Costs for Joint Use	586,000	241,500	246,500	246,500	734,500

Total Costs	FY2013/14	FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	78,000	70,500	75,500	75,500	221,500
Bryant & Associates	199,180	314,200	314,200	314,200	942,600
The Ferguson Group	83,000	-	-	-	-
CDM Smith	158,710	-	-	-	-
Brown & Caldwell	83,890	895,963	1,009,634	1,110,782	3,016,379
ESA	10,000	-	-	-	-
The Onate Group	30,000	-	-	-	-
Data Instincts	50,000	-	-	-	-
SCWA Administration	194,575	251,836	267,205	285,958	805,000
Contingency	35,000	-	-	-	-
Total Costs for NBWRA	922,355	1,532,499	1,666,539	1,786,440	4,985,479

Potential 50% Federal cost share for Feasibility Study \$470,086 \$531,921 \$607,374 \$1,609,380

North Bay Water Reuse Authority
Proposed Agency Cost Allocations

Member Agency Cost Allocations

March 24, 2016

Fiscal Year 2016/17

Based on Phase 2 Project Costs

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%
Grant Applications and Management - B&C	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	26,400	26,400	1,911	8,420	2,273	7,253	943	4,657	943
Total	\$149,473	\$149,473	\$10,820	\$47,674	\$12,871	\$41,064	\$5,338	\$26,367	\$5,338

100.000%

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

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	1,063,789	1,063,789	-	374,323	283,837	41,609	115,803	-	-	248,217	-
SCWA Administration - Grants and EIR/EIS	150,958	150,958	-	53,119	40,278	5,905	16,433	-	-	35,224	-
Total	\$1,214,747	\$1,214,747	\$0	\$427,442	\$324,115	\$47,514	\$132,236	\$0	\$0	\$283,441	\$0

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

Total Cost per Agency for FY 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	Marin Municipal Water District
FY16/17 Proposed	\$1,786,440	\$1,786,440	\$41,633	\$567,760	\$414,684	\$126,264	\$187,516	\$57,179	\$36,151	\$355,255	\$5,000

North Bay Water Reuse Authority
Proposed Agency Cost Allocations
Three Fiscal Year 2014/15, 2015/16, and 2016/17
Based on Phase 2 Project Costs

Member Agency Cost Allocations
 March 24, 2016

Phase 1 Support									
25% Shared Equally Between 7 Agencies/ 75% Shared By Phase 1 Benefit	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County
<i>MOU Percent for Phase 1</i>			7.239%	31.894%	8.611%	27.473%	3.571%	17.640%	3.571%
Grant Applications and Management - B&C	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	228,240	228,240	16,522	72,796	19,654	62,704	8,151	40,261	8,151
Federal Advocacy (30% of \$157,900 total) - TFG sub to Bryant	79,200	79,200	5,733	25,260	6,820	21,758	2,829	13,971	2,829
Total	\$505,059	\$505,059	\$36,560	\$161,086	\$43,491	\$138,754	\$18,038	\$89,092	\$18,038

100.000%

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Phase 2 Support</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Program Development (60% of \$221,110 total) - Bryant	342,360	342,360	-	120,469	91,347	13,391	37,269	-	-	79,884	-
Federal Advocacy (70% of \$157,900 total) - TFG sub to Bryant	184,800	184,800	-	65,027	49,308	7,228	20,117	-	-	43,120	-
Total	\$527,160	\$527,160	\$0	\$185,495	\$140,655	\$20,619	\$57,386	\$0	\$0	\$123,004	\$0

Phase 2 Feasibility Study - Three Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Phase 2 Feasibility Study</i>			0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
Engineering, Environmental, and Outreach Services - B&C	2,818,760	2,818,760	-	991,856	752,093	110,253	306,847	-	-	657,711	-
SCWA Administration - Grants and EIR/EIS	400,000	400,000	-	140,751	106,727	15,646	43,544	-	-	93,333	-
Total	\$3,218,760	\$3,218,760	\$0	\$1,132,608	\$858,820	\$125,899	\$350,391	\$0	\$0	\$751,044	\$0

Joint Use											
Shared Equally Between Current and New Members	Total Budget	NBWRA Share	Las Gallinas Valley Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	North Marin Water District	Napa County	City of Petaluma	Marin Municipal Water District
<i>Percent for Joint Use</i>			12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
Program Management - Weir	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)	108,000	108,000	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	-
SCWA Administration	405,000	405,000	50,625	50,625	50,625	50,625	50,625	50,625	50,625	50,625	-
Total	\$734,500	\$734,500	\$91,813	\$91,813	\$91,813	\$91,813	\$91,813	\$91,813	\$91,813	\$91,813	\$0

Total Cost per Agency for FY2014/15, FY2015/16, and FY2016/17											
	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	Marin Municipal Water District
Three FY Proposed	\$4,985,479	\$4,985,479	\$128,373	\$1,571,001	\$1,134,778	\$377,085	\$517,627	\$180,905	\$109,850	\$965,861	\$15,000

ITEM NO. 8 PHASE 2 COST SHARING OPTIONS

Action Requested: None at this time.

At the end of the March 21, 2016 TAC meeting Mike Savage mentioned the possibility of sharing Phase 2 costs on a more equitable benefit basis. He showed a spreadsheet that indicated the following cost sharing possibility:

Task No. and Description	Proposed Contract Total	Cost Sharing Basis
1. Workshops, Public Outreach, Management	1,013,830	Joint Use (equal shares)
2. Title XVI Feasibility Study / Report	1,135,778	Percent based on number of projects studied: Novato 6, SVCSD 3, SCWA 2, Petaluma 7, Napa 10 of a total of 28
3. Environmental Evaluation	1,097,749 (Option 1)	Use the average of the May 2014 and January 2016 Costs
4. Financial Capabilities Determination	56,590	Joint Use (equal shares)
5. Grant Applications and Mgt.	82,378	Joint Use (equal shares)

Attached for the TAC's information and to assist with discussion is a summary of the total costs for each agency under the following scenarios:

- a. Current cost sharing for three years.
- b. Current cost sharing methods for the draft four-year budget.
- c. Same as b. except using the average of project costs for May 2014 and January 2016.
- d. Four-year costs using the method noted in the table above.

Item d. uses equal percentages (20% for each Phase 2 Agency) for all administrative related tasks for Brown & Caldwell, Bryant & Associates, The Ferguson Group, and The Oñate Group. The costs for the Feasibility Study are split on the basis of the number of projects studied for each agency as noted in the table above. The costs for the Environmental Evaluation are based on the average project cost percentage as noted in c. above. It should also be noted that the costs and percentages shown in d. have been applied to all four years.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
March 28, 2016

Of course there are other options that the TAC may wish to discuss. The information provided herein is intended to assist in the discussion.

Recommendation

None at this time.

Cost Sharing Options

Current Three-Year Budget

		Total Cost per Agency for FY2014/15, FY2015/16, and FY2016/17									
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	Marin Municipal Water District	
Total	\$4,985,479	\$4,985,479	\$128,373	\$1,571,001	\$1,134,778	\$377,085	\$517,627	\$180,905	\$109,850	\$965,861	\$15,000
Average	\$1,661,826	\$1,661,826	\$42,791	\$523,667	\$378,259	\$125,695	\$172,542	\$60,302	\$36,617	\$321,954	\$5,000

Four-Year Budget, Option 1, Existing Phase 2 Cost Sharing Percentages

		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	
Total	\$6,323,248	\$6,323,248	\$160,850	\$1,994,824	\$1,442,818	\$474,454	\$657,362	\$226,100	\$137,842	\$1,229,000	\$40,000
Average	\$1,580,812	\$1,580,812	\$40,212	\$498,706	\$360,704	\$118,613	\$164,340	\$56,525	\$34,461	\$307,250	\$10,000

Four-Year Budget, Option 1, Average of Original and January 2016 Cost Sharing Percentages

		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	
Total	\$6,323,248	\$6,323,248	\$160,850	\$2,103,514	\$1,252,842	\$504,238	\$611,414	\$226,100	\$137,842	\$1,326,450	\$40,000
Average	\$1,580,812	\$1,580,812	\$40,212	\$525,878	\$313,210	\$126,060	\$152,853	\$56,525	\$34,461	\$331,612	\$10,000

Four-Year Budget, Option 1, Equal share for all Phase 2 Admin (B&C/SCWA/GB/TFG), # of projects in Feasibility Study (B&C), average project percentages for Environmental (B&C)

		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	
Total	\$6,323,248	\$6,323,248	\$160,850	\$1,659,719	\$1,124,744	\$969,489	\$821,749	\$226,100	\$137,842	\$1,202,796	\$40,000
Average	\$1,580,812	\$1,580,812	\$40,212	\$414,930	\$281,186	\$242,372	\$205,437	\$56,525	\$34,461	\$300,699	\$10,000