

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

Monday, June 22, 2015

Agenda

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

Consultants unable to attend in person may call in: 1-866-906-7447 Pass Code: 2428170#

9:30 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. May 11, 2015 TAC Meeting Minutes
Pages 5 - 6 Pages 7 - 19 Page 20	5.	Information	Report from the Program Manager a. Consultant Progress Reports - April and May 2015 b. Action Items from May 11, 2015 Meeting
Pages 21 – 28	6.	Information	Financial Report for the Period Ending May 31, 2015
Pages 29 – 33	7.	Discussion	Phase 1 Status Report: Project Summary and Redistribution of Unused SCWA Funds
	8.	Discussion	Phase 2 Working Discussion <ul style="list-style-type: none"> ● Process Overview ● Data needs and required follow-up ● Identifying Your Values: Ranking Objectives and Subobjectives update ● Scoring Weighting and Ranking Individual Projects ● Member Agency Direction regarding Schedule
Pages 34 - 35	9.	Action	Status of Marin Municipal Water District's Reentry as a Full Phase 2 Member and Participant
Pages 36 - 45	10.	Information	Program Development / Federal Advocacy Update / State Advocacy Update
	11.	Information	Outreach Program Report
	12.	Information	Status of WaterSMART Grants and Applications
	13.	Information	Proposition 84 – Integrated Regional Water Management Program Update and Status
	14.	Information	Items from Committee, Agency Staff, or Consultants
	15.	Information	Items for Next Agenda (July , 2015 at Novato Sanitary District)

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
May 11, 2015**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 9:41 a.m. on Monday, April 27, 2015. The meeting was held at Novato City Hall Council Chambers, 901 Sherman Avenue, Novato, CA 94945. Consultants not able to attend in person could participate via the conference call number, 866-906-7447 pass code 2428170#. Self-introductions were made.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Pam Jeane, Vice Chair	Sonoma Valley County Sanitation District
Kevin Booker	Sonoma County Water Agency
Sandeep Karkal	Novato Sanitary District
Liz Lewis	Marin County
Drew McIntyre	North Marin Water District
Phillip Miller	Napa County
Paul Sellier	Marin Municipal Water District
Leah Walker	City of Petaluma

Others Present

Chuck Weir, Program Manager	Weir Technical Services
Phil Benedetti	City of Petaluma
Ginger Bryant	Bryant & Associates
Jenny Gain	Brown and Caldwell
Jim Graydon	Brown and Caldwell
Suzanne Huang	Kennedy Jenks Consultants
Mike Savage	Brown and Caldwell
Jake Spaulding	Sonoma County Water Agency
Dawn Taffler	Kennedy Jenks Consultants (via telephone)
Jeff Tucker	Napa Sanitation District

2. Approval of the Agenda

The TAC unanimously approved the agenda as presented.

3. Public Comments

There were no public comments.

4. Consent Calendar

4.a April 27, 2015 TAC Meeting Minutes

The April 27, 2015 TAC Meeting Minutes were unanimously approved with one correction.

5. Report from the Program Manager

The Report from the Program Manager included the following items:

5.a Action Items from the April 27, 2015 Meeting

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

6. Phase 2 Working Discussion

Mike Savage and Jenny Gain led the TAC in a discussion of the following items:

- Process Overview
- Data Needs and Required Follow-up
- Identifying Your Values: Ranking Objectives and Subobjectives Update
- Scoring Weighting and Ranking Individual Projects
- Member Agency Direction Regarding Schedule

The consultant team discussed data needs, schedule, and rankings. They have been meeting with the agencies on an individual basis to quantify Phase 1 flows in order to determine available flows for Phase 2. They also concluded that storage is not a yield, but a means to achieve the ultimate yield. There was discussion regarding specific data on storage and delivery in order to quantify benefits and meet federal requirements for the EIR/EIS process and ultimately for up to 50% funding for storage.

Following discussion it was agreed that the June 22, 2015 meeting should be a TAC-only meeting in order to continue the data gathering and project prioritization process. It was further decided that a final recommendation on a specific project for the Feasibility Study should be presented to the Board at the July 27, 2015 meeting and that the TAC may need to meet the week of July 13, 2015 to select a final project to present to the Board. As an action item, the Program Manager will send a Doodle poll to set up a TAC Workshop the week of July 13, 2015.

7. Possible Addition of New Member Agencies to Phase 2 – Budget and Cost Sharing Issues

The consultant team was tasked with reviewing the issues associated with adding new members to Phase 2 and bringing a recommendation to this meeting. The TAC discussed the issues and recommendations and determined that no specific action was necessary at this time for a possible joint Napa Sanitation District / City of American Canyon (Napa San/City) project. It was agreed to let the current process continue and determine if specific action was needed at a later date.

Following discussion for Marin Municipal Water (MMWD) District and as an action item, the TAC unanimously approved the following terms and conditions for MMWD's reentry as a full Phase 2 member and participant:

- Require a commitment for Phase 2 participation by the June 22, 2015 TAC meeting.
- Provide an estimated project cost for the Phase 2 process by July 20, 2015 to be used in recalculating Phase 2 cost allocations based on project costs. Addition of MMWD to Phase 2 and modifications to the member agency cost allocations will be presented to the Board for approval at the July 27, 2015 meeting.
- Payment of FY2014/15 Phase 2 and Joint Use costs and applicable Phase 2 and Joint Use costs in FY2015/16 and beyond through the completion of Phase 2.
- Payment of the remaining buy-in fee of 0.6% of their identified Phase 2 project cost less the previously paid \$25,000.

The TAC noted that the addition of MMWD to Phase 2 would add \$104,000 to Brown & Caldwell's (B&C) engineering costs for the Feasibility Study. It was further noted and agreed that any additional funding for B&C would come from unused funds for the Triple Bottom Line (TBL) analysis that was to be conducted by one of their subconsultants. This will require a modification to B&C's agreement to redistribute costs by task, but will not change the total agreement cost or the approved NBWRA budget.

It was also noted that the additional project(s) for MMWD and the joint Napa San/City project could result in a second modification to the B&C budget for environmental analysis. It is not yet known if funds from the TBL task will cover this effort.

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

The TAC discussed the Proposition 84/IRWMP application and noted that NBWRA's request for \$3,925,000 may be reduced. TAC members noted that reductions beyond a certain level may result in their withdrawal from the process. It was also noted that the State Water Board has accepted NBWRA's suggested language changes for Proposition 1 Recycled Water funding. The next WaterSMART grant application package will likely be released in June 2015.

9. Items for Next Agenda, June 22, 2015 at Novato Sanitary District

Action items included the following:

1. A Doodle poll will be distributed to set up a special TAC Phase 2 Workshop the week of July 13, 2015.
2. A commitment from MMWD to participate in Phase 2 is due by the June 22, 2015 TAC meeting.

There being no further business, Chair Healy adjourned the meeting at 11:50 a.m.

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Agenda Explanation
 North Bay Water Reuse Authority
 Board of Directors
 June 22, 2015

ITEM NO. 5 REPORT FROM THE PROGRAM MANAGER

The Report from the Program Manager includes the following items:

5.a Consultant Progress Reports – April and May 2015

The Progress Reports for April and May 2015 are attached for the TAC's information. Consultants can respond to questions at the meeting.

5.b Action Items from May 11, 2015 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 for the Period Ending May 31, 2015

The Consultant Cost Tracking for the period ending May 31, 2015, 2015, Item No. 6.a, is attached for the TAC's review. Costs are shown for Phase 1 Support, Phase 2 Support, Phase 2 Feasibility Study, Joint Use, and Total Costs. Only the most current three month's expenses are shown in an effort to make the form easier to read. The totals include all expenses to date.

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

Item No. 6.b, Monthly Project Cost Summary as of June 17, 2015

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

Item No. 6.d, Transaction Summaries as of June 17, 2015 for Phase 1, Phase 2, and Joint Use.

Item No. 6.e, Interest earned as of June 17, 2015

7. Phase 1 Status Report: Project Summary and Redistribution of Unused SCWA Funds

This item includes an email from Jenny Gain as well as a spreadsheet summarizing Phase 1 projects, and their funding sources. Also included are an email from Jake Spaulding and a spreadsheet detailing how the unused Phase 1 Funds from SCWA are proposed to be reallocated to the agencies. Funding has been reallocated to Las Gallinas Valley Sanitary District, North Marin Water District, Novato Sanitary District, and Napa Sanitary District. The reallocation will result in a recalculation of Phase 1 costs and also requires approval by the NBWRA Board.

8. Phase 2 Working Discussion

The consultant team will lead the TAC in a discussion of projects and ranking criteria. Topics will include:

- Process Overview
- Data Needs and required follow-up

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
June 22, 2015

- Identifying Your Values: Ranking Objectives and Subobjectives Update
- Scoring Weighting and Ranking Individual Projects
- Member Agency Direction Regarding Schedule

9. Status of Marin Municipal Water District's Reentry as a Full Phase 2 Member and Participant
Please refer to the separate Agenda report for this item.

10. Program Development / Federal Advocacy Update / State Advocacy Update
Ginger Bryant and Pilar Oñate-Quintana will provide updates for the TAC. Also refer to the attachment for this item regarding The Ferguson Group's memo on EPA's decision on the "Waters of the United States" Rule.

11. Outreach Program Report
Mark Millan will provide an update.

12. Status of WaterSMART Grants and Applications
Participants will provide updates.

13. Proposition 84 – Integrated Regional Water Management Program Update and Status
Participants will provide updates. Also refer to the presentation in Item No. 10.

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

Bryant & Associates/Program Development Services

April 2015 Activity Summary

- Worked with Data Instincts on videos and content for website
- Participated in consulting team conference call
- Prepared for and attended Board and TAC meetings in Novato
- Activities in coordination with The Ferguson Group:
 - Planned for and attended Washington DC trip April 14-16
 - With Data Instincts prepared new materials for Washington DC trip
 - Continued revisions to RE-Act
 - Prepared new RE-Act supporting materials with Roger Gwinn and sent to Sup Rabbitt and Brad Sherwood in preparation for DC meetings

The Ferguson Group/Federal Advocacy Services

April 2015 Activity Summary

- **April DC Trip and Follow Up.**—TFG worked with Ginger Bryant and others to develop materials and organize the April Washington, DC trip of the North Bay Water Reuse Authority. Thirteen Hill and agency meetings were held with Supervisor Rabbitt and Brad Sherwood; three additional meetings were attended by TFG and Ginger Bryant alone. TFG also followed up on the mid-April meetings with meetings later in the month with OMB regarding issues associated with the Phase 2 authorization and with Rep. Napolitano's Legislative Director regarding the RE-ACT proposal.

Fiscal Year 2016 Appropriations.—TFG continued work to help build support for increased Reclamation investments in FY 2016 for WaterSMART to support Phase 2 and other Title XVI projects. TFG met with the Senate Appropriations Committee staff to discuss the need for additional Title XVI funding, in advance of the Authority's mid-April Washington meetings. TFG, on behalf of the Authority, submitted requests to the Authority's House and Senate Members in support of a \$10 million increase in funding for Title XVI projects as well as suggested report language directing the Bureau of Reclamation and NRCS to put together an Agricultural Water Conservation and Efficiency Grants program open to projects outside of the Cal-Fed Solution Area. The House Appropriations Subcommittee on Energy and Water Development marked up its bill on April 15th; the Full Committee reported the bill out on April 22nd. As reported out, the measure included an additional \$3.4 million above the budget request of \$20 million for Fiscal Year 2016. The report to accompany the House bill also included requested report language regarding the Bureau of Reclamation-NRCS partnership and the need to create competitive funding opportunities for water reuse projects that are not authorized for construction under Title XVI. The language is below:

WaterSMART Program, Interagency Partnerships.—The Committee notes the work being undertaken by the Bureau of Reclamation and United States Department of Agriculture's Natural Resources Conservation Service (NRCS) to coordinate the water

use efficiency assistance authorized under the Secure Water Act and the on-farm water conservation assistance provided through the NRCS Environmental Quality Incentives Program. This partnership began in 2011 with attention focused in California, but has since expanded beyond this area. The Committee encourages Reclamation to continue working with the NRCS to identify and implement ways within existing authorities to extend the benefits of this collaborative effort throughout the West.

WaterSMART Program, Title XVI Water Reclamation/Reuse Projects.—The Committee has heard from numerous stakeholders who believe the program’s effectiveness could be enhanced through expanding the pool of projects eligible to compete for funding for planning, design, or construction activities. The Committee encourages Reclamation to develop and propose to the authorizing committees of both Houses of Congress recommendations for improvements, which may include programmatic changes and project-specific authorizations.

- **RE-ACT.**—TFG continued work with The North Bay Water Reuse Authority (Authority) to develop a new legislative proposal that seeks to authorize long-term, low cost financing as well as additional grant opportunities for storage and conveyance associated with the water reuse projects and for other purposes. The proposal calls for requiring the Bureau of Reclamation to go through a process of deauthorizing inactive programs and projects in order to generate the budget authority savings to cover the authorization of new spending. TFG also worked with North Bay to secure an opportunity to present at the ACWA Federal Affairs Committee meeting in Sacramento on May 5, 2015.

The Oñate Group/State Advocacy Services

April 2015 Activity Summary

- Participated in April NBWRA board meeting via phone and provided funding guidelines and legislative updates.
- Participated in April 21 SWRCB workshop re: draft Prop. 1 recycled water funding guidelines. Voiced interest in topics raised in NBWRA comment letter.
- Participated in April 10 WaterReuse legislative meeting – included WaterReuse discussion with Dan Newton of the SWRCB re: funding.
- Coordinated Assemblymember Dodd letter to SWRCB indicating support for NBWRA comments on draft SWRCB funding guidelines.
- Coordinated NBWRA letter in support of Asm. Levine’s AB 606 re: water use efficiency in state buildings. Voiced support for bill in committee hearing.
- Provided Senator Wolk with updated information regarding the Napa State Hospital recycled water situation. (her SB 553 re: state facilities may be amended to included recycled water in the context of water use efficiency)
- Urged NBWRA member agencies to send individual letters to SWRCB re: draft guidelines prior to April 24 comment deadline.

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

Bryant & Associates/Program Development Services

May 2015 Activity Summary

- Participated in consulting team conference call
- Prepared for and attended TAC meetings in Novato
- Worked with Mark Millan on video and webpage edits
- Activities in coordination with The Ferguson Group:
 - Planned for and attended ACWA Federal Affairs committee meeting on RE-Act
 - Continued incorporating comments/revisions to RE-Act
 - Planned conference participation and outreach in support of RE-Act
 - Meeting with Mid-Pacific on Phase 2 authorization language in FY17 Presidents budget – follow up calls

The Ferguson Group/Federal Advocacy Services

May 2015 Activity Summary

- **April DC Trip Follow Up.**—TFG continued to work with Ginger Bryant and others to build support for the RE-ACT proposal and to secure support for addressing the Phase 2 authorization issue. Meetings were held with Reclamation's Mid-Pacific Regional office regarding the request for support in the President's Fiscal Year (FY) 2017 budget request. Coordination on outreach to the Denver Reclamation office and to Hill offices also occurred on the Phase 2 authorization issue. TFG also continued its work with the Department of the Interior and Hill offices to build support for the concepts in the RE-Act proposal.
- **Fiscal Year 2016 Appropriations.**—TFG continued work to help build support for increased Reclamation investments in FY 2016 for WaterSMART to support Phase 2 and other Title XVI projects. The full House of Representatives approved its version of the FY 2016 Energy and Water Development Appropriations bill on May 1st. The bill includes an additional \$3.4 million above the budget request of \$20 million for FY 2016 for WaterSMART Title XVI grants. As reported earlier, the report to accompany the House bill also included requested report language regarding the Bureau of Reclamation-NRCS partnership and the need to create competitive funding opportunities for water reuse projects that are not authorized for construction under Title XVI. The language is below:

WaterSMART Program, Interagency Partnerships.—The Committee notes the work being undertaken by the Bureau of Reclamation and United States Department of Agriculture's Natural Resources Conservation Service (NRCS) to coordinate the water use efficiency assistance authorized under the Secure Water Act and the on-farm water conservation

assistance provided through the NRCS Environmental Quality Incentives Program. This partnership began in 2011 with attention focused in California, but has since expanded beyond this area. The Committee encourages Reclamation to continue working with the NRCS to identify and implement ways within existing authorities to extend the benefits of this collaborative effort throughout the West.

WaterSMART Program, Title XVI Water Reclamation/Reuse Projects.—The Committee has heard from numerous stakeholders who believe the program’s effectiveness could be enhanced through expanding the pool of projects eligible to compete for funding for planning, design, or construction activities. The Committee encourages Reclamation to develop and propose to the authorizing committees of both Houses of Congress recommendations for improvements, which may include programmatic changes and project-specific authorizations.

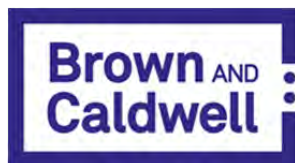
The Senate Committee on Appropriations cleared its version of the energy and water spending bill for FY 2016 on May 21st. While the bill as reported does not include extra funds for WaterSMART Title XVI grants specifically, the bill does include an additional \$50 million for drought response activities that could be provided through the Title XVI program. Members of the Senate Energy and Water Development Appropriations Subcommittee, most notably Senator Dianne Feinstein, made it clear they would be working to double the drought relief money in the bill to \$100 million as the bill moves through the legislative process.

- **ACWA Federal Affairs Committee Presentation on RE-Act.**—TFG continued to work with The North Bay Water Reuse Authority (Authority) to secure an opportunity for Supervisor David Rabbitt to do a presentation on the RE-Act proposal at the ACWA Federal Affairs Committee meeting in Sacramento on May 5, 2015. TFG assisted Ginger Bryant and others in the preparation of the materials associated with the presentation. The presentation was very well received and was important to broadening support for the concepts included in the North Bay developed RE-Act proposal.

The Oñate Group/State Advocacy Services

May 2015 Activity Summary

- Followed up with SWRCB staff re: NBWRA issues with draft Prop. 1 recycled water funding guidelines (follow up to NBWRA letter and also comments made during April 21 SWRCB workshop). Also coordinated communication with SWRCB staff and NBWRA staff on the draft guidelines.
- Provided state budget update to NBWRA in light of May Revision and proposal to appropriate additional Prop. 1 recycled water monies.
- Voiced NBWRA support for AB 606 (Levine) in committee hearing.
- Joined WaterReuse and others in successfully opposing a budget subcommittee proposal that would have limited use of SRF loan monies as a “local match” for purposes of Prop. 1 recycled water funding to disadvantaged communities only.
- Continued to monitor ACWA and WaterReuse for issues/updates of potential interest.



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

ACTIVITIES: MARCH 27, 2015 THROUGH APRIL 23, 2015

TASK 1 WORKSHOPS/PUBIC OUTREACH/MANAGEMENT

1.1 Workshops

- Prepared Workshop and TAC presentation materials and handouts

1.3 Public Involvement

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

1.4 Administration

- Performed project invoicing and developed activities report
- Updated SharePoint server set up and file organization

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

Member Agency Meetings

- Conference calls with Member Agencies to review Member Agency comments

Feasibility Study Report

- Section 2 draft and internal review
- Section 3 Draft versions and internal review

Screening Approach for Alternative Formulation

- Developed approach
- Developed preliminary screening matrix

Activities cover the following subtasks:

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

TASK 3 ENVIRONMENTAL EVALUATION

3.1 Environmental Constraints Analysis

- No Activity

3.2 Environmental Compliance – NEPA/CEQA

- No Activity

TASK 4 FINANCIAL CAPABILITIES DETERMINATION

- No Activity

TASK 5 PHASE 2 GRANT APPLICATION AND MANAGEMENT

- Completion and follow-up to study grant application

TASK 6 PHASE 1 SERVICES

6.1 Program Support and Coordination

- Review draft Prop 1 draft regulation and attend conference calls to provide comments

6.2 State Grant Support

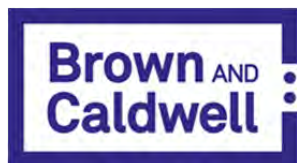
- No Activity

6.3 Federal Grant Support

- No Activity

Additional Services

- No Activity



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

ACTIVITIES: APRIL 24, 2015 THROUGH MAY 21, 2015

TASK 1 WORKSHOPS/PUBLIC OUTREACH/MANAGEMENT

1.1 Workshops

- Prepared for and conducted TAC working session with materials and handouts

1.3 Public Involvement

- Phone calls with project team members for collaboration on preparation of upcoming TAC & Board Workshop and Meetings.
- Updating and maintaining relevant program content and news articles on project web site
- Provide project information to Board & TAC members as requested
- Edit a series of videos for supporting NBWRA funding efforts and post to project website. Coordinate with video production crew and Bryant.
- Edit and finalize design for PowerPoint presentation for Chair Rabbitt to make at ACWA
- Make updates to NBWRA website to support advocacy efforts
- Prepare and circulate press release on program receiving WaterSMART Grants

1.4 Administration

- Performed project invoicing and developed activities report
- Updated SharePoint server set up and file organization

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

Member Agency Meetings, Web-meetings, and Conference calls

- Conduct review of each agency's projects, operations, and storage requirements
- Reviewed previous estimates of supply and demand

Update project/alternative scoring tables

- Follow-up with each Agency to confirm scoring and weightings
- Update scoring table

Activities cover the following subtasks:

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

TASK 3 ENVIRONMENTAL EVALUATION

3.1 Environmental Constraints Analysis

- No Activity

3.2 Environmental Compliance – NEPA/CEQA

- No Activity

TASK 4 FINANCIAL CAPABILITIES DETERMINATION

- No Activity

TASK 5 PHASE 2 GRANT APPLICATION AND MANAGEMENT

- No Activity

TASK 6 PHASE 1 SERVICES

6.1 Program Support and Coordination

- Review and compile information regarding the grant applications, project names, and funding received

6.2 State Grant Support

- No Activity

6.3 Federal Grant Support

- No Activity

Additional Services

- No Activity

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

April 2015 Progress Report

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

- Drafted April 27, 2015 Board agenda and sent to Chair for review. Sent list of agenda questions to consultant team.
- Prepared and distributed Board and TAC agendas for April 27, 2015 meeting.
- Attended April 27, 2015 Board and TAC meetings.
- Drafted April 27, 2015 Board and TAC meeting minutes and action item list and distributed for review and comment. Revised both sets of minutes based on comments received.
- Reviewed emails from Water Bond Coalition regarding Proposition 1, budget hearings and doodle poll.
- Prepared and monitored doodle poll for special TAC workshop in May. Closed poll and scheduled meeting for May 11, 2015.
- Reviewed information distributed by State Lobbyist.
- Updated letterhead and sent to Agency.
- Discussed issues via email and telephone for Phase 1 and Phase 2 with Peter Beland, reporter with Global Water Intelligence
- Drafted talking points and participated in consultant conference call on April 17, 2015.
- Updated distribution lists.
- Reviewed news articles distributed by outreach consultant.
- Reviewed information distributed by NBWA.
- Discussed communication protocols with TAC member.

2.2 Task 2: Financial Management

- Updated consultant costs for March 2015 and reconciled with Agency reports.
- Prepared FY2015/16 Budget and member agency cost sharing for Board meeting.

2.3 Task 3: Project Support and Review

- Reviewed BAIRWMP application submittal and questions/responses to application.

2.4 Task 4: Program Planning

- Prepared and submitted March 2015 invoice and progress report and updated tracking files.

2.5 Task 5: Governance Issues

- Researched issues associated with adding City of American Canyon as an Associate Member and Marin Municipal Water District rejoining as a full Phase 2 member.

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

May 2015 Progress Report

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

- Reviewed comments received and modified April 27, 2015 TAC meeting minutes.
- Reviewed Prop 84 Grant application status.
- Coordinated and participated in consultant conference call on May 8, 2015.
- Prepared TAC Agenda packet for May 11 meeting and distributed to participants.
- Attended May 11, 2015 TAC meeting in Novato.
- Drafted May 11, 2015 TAC meeting minutes and action item list and distributed for review and comment.
- Prepared and monitored doodle poll for special TAC workshop in June. Closed poll and scheduled meeting for June 22, 2015.
- Updated distribution lists.
- Reviewed news articles distributed by outreach consultant.

2.2 Task 2: Financial Management

- No tasks were performed during the period.

2.3 Task 3: Project Support and Review

- Discussed Phase 2 process and schedule with consultant team.

2.4 Task 4: Program Planning

- Prepared and submitted April 2015 invoice and progress report and updated tracking files.

2.5 Task 5: Governance Issues

- Drafted recommendations on City of American Canyon and Marin Municipal Water District participation in Phase 2 and distributed for consultant review. Redrafted recommendations and sent to consultant team for conference call discussion.



100 Pringle Avenue, Suite 300
Walnut Creek, California 94596
tel: +1 925 933-2900
fax: +1 925 933-4174
cdmsmith.com

June 5, 2015

Mr. Kevin Booker
Sonoma County Water Agency
404 Aviation Boulevard
Santa Rosa, CA 95403

Subject: Engineering Assistance for North Bay Water Reuse Program Phase 1 (FY 2012/2013 and 2013/2014)
Invoice No. 80525121
Account No. 391029-6570
Order No. 7534A3

Dear Mr. Booker:

Please find attached CDM Smith's invoice for work performed under Engineering Assistance for North Bay Water Reuse Program Phase 1 (FY 2012/2013 and 2013/2014) agreement between Sonoma County Water Agency (SCWA) and CDM Smith Inc. awarded October 17, 2012. Invoice #80525121 covers the period from January 4, 2015 through May 2, 2015.

The work performed during this invoice period includes the following labor activities.

Task 1 – Program Support and Coordination

- Conference call with SCWA and ESA about closing Phase 1 planning agreement with the Bureau of Reclamation.
- Prepared data for BC team.
- Project management activities, Program Manager Reports, and invoicing.

Task 2 – Federal and State Appropriations/Grant Support

- Attended February Bay Area IRWMP Project Screening Committee (PSC) meeting by phone and prepared notes for SCWA.



Kevin Booker
June 5, 2015
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- Attended March Bay Area IRWMP Coordinating Committee (CC) meeting by phone to hear about Prop 84 schedule.
- Discussed Prop 84 application for NBWRA with SCWA.
- Started template for consolidated NBWRA project description.
- Attended BACWA Recycled Water Committee meetings to discuss Prop 84 projects.
- Prepared consolidated NBWRA information for BACWA prioritization process.
- Attended April Bay Area IRWMP PSC conference call.
- Communicated with NBWRA members and BACWA members on project information needs.
- Prepared draft grant project description and circulated for review.
- Prepared final grant project description and submitted to BAIRWMP web site.
- Submitted information to BACWA.
- Attended April Bay Area IRWMP CC meeting.
- Communicated with NBWRA about status and information needs for PSC.

Please feel free to call me at (925) 296-8064 should you have any questions regarding this invoice.

Very truly yours,

A handwritten signature in cursive script that reads "Andria Loutsch".

Andria R. Loutsch, AICP
Project Manager
CDM Smith

NBWRA Board and TAC Short-Term Action Item List

Meeting Date: May 11, 2015

Task	Responsible Party	Due Date	Status	Completion Date
Submit application for 2015/16 WaterSMART Phase 2 Feasibility Study	B&C, Bryant, SCWA, TAC	3/1/2015	Grants Received: \$1,700,000 for Napa San MST Project and \$450,000 for Phase 2 Feasibility Study.	5/22/2015
Finalize List of Phase 2 Projects for Feasibility Study	Board, TAC, Consultants	7/15/2015	B&C meeting with individual agencies to collect data and assist with prioritization of objectives and subobjectives. TAC to hold workshop on June 22 to continue selection process and make final decision at July 15, 2015 TAC workshop. Board to approve final list at July 27, 2015 meeting.	
Send Doodle poll to set up special TAC workshop the week of July 13, 2015	Weir, TAC	5/15/2015	Meeting scheduled for Wednesday, July 15, 2015 at 1:30 p.m. at Novato San.	5/15/2015
Send blank objective and subobjective rating sheets as well as summarized sheets from the April 27, 2015 Board Meeting to the TAC. TAC to discuss with their Boards as needed and bring completed sheets to the May 11, 2015 TAC meeting.	B&C, TAC	5/11/2015	Complete, and to be discussed at June 22 TAC meeting.	5/11/2015
Address possible City of American Canyon Phase 2 Project	Holley, Healy, Consultants	4/27/2015	City of American Canyon approved as an Associate Member April 27, 2015. Current plan is for the City and Napa San to work on a joint storage project. SCWA has issued a \$5,000 invoice to the City. No action required at this time.	5/11/2015
Add Phase 1 project costs to the Phase 1 project status report as a separate page.	Weir, Spaulding	4/15/2015	See updated list in June 22 TAC Agenda packet.	6/4/2015
Draft FY2015/16 Budget	Consultant team	4/15/2015	Budget and Member Agency cost sharing for FY2015/16 approved by the Board on April 27, 2015. SCWA can issue invoices to the member agencies.	4/27/2015
Consultants to review all the issues associated with adding new projects and agencies to Phase 2 and bring specific recommendations for consideration at the May 11, 2015 TAC meeting.	Consultant team	5/11/2015	MMWD has opted to not rejoin for Phase 2. No specific action on American Canyon at this point.	6/18/2015
MMWD commitment to Phase 2	MMWD	6/22/2015	Not received as MMWD has opted to not participate in Phase 2.	6/18/2015
Amend the agreement with Bryant & Associates to increase the retainer for The Ferguson Group from \$6,500 to \$8,500 per month.	SCWA	6/30/2015	In process. Pending modification to B&C agreement for feasibility study costs.	
Proposal to BAIRWMP	SWCA, member agencies, CDM, B&C	4/20/2015	Projects dropped from consideration by BAIRWMP	5/15/2015
Reallocation of Phase 1 Funds.	SCWA, Weir, TAC	September TAC meeting	Phase 1 Funds reallocated to Las Gallinas, North Marin, Novato San, and Napa San. Refer to spreadsheet in June 22 TAC Agenda packet.	
Consultants begin ensuring that all documents added to the website meet accessibility standards.	Weir/B&C/Bryant/SCWA	11/30/2014	Only compliant documents now added to website. Currently this has limited documents to Agenda cover sheets and minutes. Requires additional research and effort to implement for presentations and complex reports.	Ongoing
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

North Bay Water Reuse Authority

June 18, 2015

Consultant Cost Tracking

Fiscal Year 2014/15 through Fiscal Year 2016/17

Only FY2014/15 has been approved	Mar-15	Apr-15	May-15	Jun-15	FY14/15 YTD	Amount Remaining	Percent Remaining	Approved 5/19/14	Approved 4/27/15	Proposed	Proposed
Phase 1 Support								FY2014/15	FY2015/16	FY2016/17	3-Year Total
Grant Applications and Management - CDM Smith	-	-	8,403	-	15,825	33,857	27.09%	125,000	-	-	-
Grant Applications and Management - B&C	864	213	1,385	-	29,090	43,538	59.95%	72,628	77,998	46,993	197,619
Program Development (40% of \$190,200 total) - Bryant	6,056	6,757	6,043	-	69,187	6,893	9.06%	76,080	76,080	76,080	228,240
Federal Advocacy (30% of \$88,000 total) - TFG sub to Bryant	2,073	2,003	2,251	-	23,277	3,123	11.83%	26,400	26,400	26,400	79,200
Total Costs for Phase 1 Support	8,994	8,972	18,082	-	137,379	53,554	30.58%	175,108	180,478	149,473	505,059

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

Phase 2 Support								FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Development (60% of \$190,200 total) - Bryant	9,084	10,135	9,064	-	103,821	10,299	9.02%	114,120	114,120	114,120	342,360
Federal Advocacy (70% of \$88,000 total) - TFG sub to Bryant	4,837	4,673	5,253	-	54,313	7,287	11.83%	61,600	61,600	61,600	184,800
Total Costs for Phase 2 Support	13,922	14,808	14,317	-	158,134	17,586	10.01%	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	70,920	57,463	58,943	-	400,730	422,605	51.33%	823,335	931,636	1,063,789	2,818,760
SCWA Administration - Grants and EIR/EIS	7,728	3,141	3,394	-	15,716	101,121	86.55%	116,836	132,205	150,958	400,000
Total Costs for Study	78,648	60,604	62,337	-	416,445	523,726	55.71%	940,171	1,063,841	1,214,747	3,218,760
Total Costs for Phase 2	92,570	75,412	76,654	-	574,579	541,312	48.51%	1,115,891	1,239,561	1,390,467	3,745,920

Joint Use								FY2014/15	FY2015/16	FY2016/17	3-Year Total
Program Management - Weir	4,085	6,065	4,289	-	42,269	38,881	55.15%	70,500	75,500	75,500	221,500
State Advocacy - The Onate Group (Sub to Bryant)	3,000	3,000	3,000	-	33,000	3,000	8.33%	36,000	36,000	36,000	108,000
SCWA Administration	14,832	2,820	7,364	-	66,544	68,456	50.71%	135,000	135,000	135,000	405,000
Total Costs for Joint Use	21,917	11,885	14,652	-	141,813	110,337	45.69%	241,500	246,500	246,500	734,500

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

Total Costs								FY2014/15	FY2015/16	FY2016/17	3-Year Total
Weir	4,085	6,065	4,289	-	42,269	38,881	55.15%	70,500	75,500	75,500	221,500
Bryant & Associates	25,051	26,567	25,611	-	283,598	30,602	9.74%	314,200	314,200	314,200	942,600
Brown & Caldwell	71,784	57,676	60,328	-	429,819	466,144	52.03%	895,963	1,009,634	1,110,782	3,016,379
CDM Smith	-	-	8,403	-	15,825	33,857	27.09%	-	-	-	-
SCWA Administration	22,560	5,962	10,758	-	82,260	169,577	67.34%	251,836	267,205	285,958	805,000
Total Costs for NBWRA	123,481	96,269	109,389	-	837,946	705,203	46.02%	1,532,499	1,666,539	1,786,440	4,985,479

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

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

TOTAL FY 14-15 PROJECT COSTS

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir Technical Services	87,411	-	87,411	87,411	(6,261)	81,150	6,261	37,981	43,169	53.2%
Planning, Engineering and Funding Management	CDM Smith	49,682	-	49,682	49,682	-	49,682	-	6,350	43,332	87.2%
Planning, Engineering and Funding Management	B&C	895,963	-	895,963	897,963	-	897,963	(2,000)	369,491	528,472	58.9%
Program Development and Federal Funding	Bryant & Associates	314,200	-	314,200	314,200	-	314,200	-	283,624	30,576	9.7%
SCWA Administration	SCWA	251,836	-	251,836	251,836	-	251,836	-	83,372	168,464	66.9%
Environmental Documentation, Permitting and Monitoring	ESA	6,741	-	6,741	6,741	-	6,741	-	-	6,741	100.0%
TOTAL BUDGET		\$ 1,605,832	\$ -	\$ 1,605,832	\$ 1,607,832	\$ (6,261)	\$ 1,601,571	\$ 4,261	\$ 780,819	\$ 820,753	51.2%

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

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

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

FY13/14 Agreement Rollovers

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

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

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

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

Phase 1

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Grant Applications and Management	B&C	72,628	-	72,628	72,628	-	72,628	-	27,705	44,923	61.9%
Program Development & Federal Advocacy	Bryant & Associates	102,480	-	102,480	102,480	-	102,480	-	92,491	9,989	9.7%
TOTAL BUDGET		\$ 175,108	\$ -	\$ 175,108	\$ 175,108	\$ -	\$ 175,108	\$ -	\$ 120,196	\$ 54,912	31.36%

Phase 2

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Engineering, Environmental, and Outreach Services	B&C	823,335	-	823,335	825,335	-	825,335	(2,000)	341,786	483,549	58.6%
Program Development & Federal Advocacy	Bryant & Associates	175,720	-	175,720	175,720	-	175,720	-	158,134	17,586	10.0%
Administration - Grants and EIR/EIS	SCWA	116,836	-	116,836	116,836	-	116,836	-	17,126	99,710	85.3%
TOTAL BUDGET		\$ 1,115,891	\$ -	\$ 1,115,891	\$ 1,117,891	\$ -	\$ 1,117,891	\$ (2,000)	\$ 517,046	\$ 600,845	53.75%

Joint Use

Project	Consultant	Original Budget	Amend	Revised Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses	Remaining	% Avail.
Program Management	Weir	70,500	-	70,500	70,500	-	70,500	-	27,331	43,169	61.2%
State Funding / State Outreach	Bryant & Associates	36,000	-	36,000	36,000	-	36,000	-	33,000	3,000	8.3%
Admin Agency Services	SCWA	135,000	-	135,000	135,000	-	135,000	-	66,247	68,753	50.9%
TOTAL BUDGET		\$ 241,500	\$ -	\$ 241,500	\$ 241,500	\$ -	\$ 241,500	\$ -	\$ 126,577	\$ 114,923	47.59%

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

2014/15 Budget Allocations

PHASE 1									
as of May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	
% Share of Benefit (3rd Amended MOU)		7.239%	31.894%	8.611%	27.473%	3.571%	3.571%	17.640%	
BUDGETED EXPENSE ITEM									
Grant Applications and Management - B&C	\$ 72,628	\$ 5,257	\$ 23,164	\$ 6,254	\$ 19,953	\$ 2,594	\$ 2,594	\$ 12,812	
Program Development (40% of total) - Bryant	\$ 76,080	\$ 5,507	\$ 24,265	\$ 6,551	\$ 20,901	\$ 2,717	\$ 2,717	\$ 13,420	
Federal Advocacy (30% of total) - TFG sub to Bryant	\$ 26,400	\$ 1,911	\$ 8,420	\$ 2,273	\$ 7,253	\$ 943	\$ 943	\$ 4,657	
Contingency - included in consultant costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL CONSULTANT BUDGET	\$ 175,108	\$ 12,676.00	\$ 55,850.00	\$ 15,079.00	\$ 48,107.00	\$ 6,254.00	\$ 6,253.00	\$ 30,889.00	

PHASE 2										
as of May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District
% Share of Benefit (3rd Amended MOU)		0.000%	35.188%	26.682%	3.911%	10.886%	0.000%	0.000%	23.333%	0.000%
BUDGETED EXPENSE ITEM										
Program Development (60% of total) - Bryant	\$ 114,120	\$ -	\$ 40,156	\$ 30,449	\$ 4,464	\$ 12,423	\$ -	\$ -	\$ 26,628	\$ -
Federal Advocacy (30% of total) - TFG sub to Bryant	\$ 61,600	\$ -	\$ 21,676	\$ 16,436	\$ 2,409	\$ 6,706	\$ -	\$ -	\$ 14,373	\$ -
Engineering, Environmental, and Outreach Services - B&C	\$ 823,335	\$ -	\$ 289,713	\$ 219,680	\$ 32,204	\$ 89,627	\$ -	\$ -	\$ 192,112	\$ -
SCWA Administration - Grants and EIR/EIS	\$ 116,836	\$ -	\$ 41,112	\$ 31,174	\$ 4,570	\$ 12,719	\$ -	\$ -	\$ 27,262	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CONSULTANT BUDGET	\$ 1,115,891	\$ -	\$ 392,656	\$ 297,738	\$ 43,647	\$ 121,475	\$ -	\$ -	\$ 260,375	\$ -

Joint Use										
as of May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District
% Share of Benefit (3rd Amended MOU)		12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	12.500%	0.000%
BUDGETED EXPENSE ITEM										
Program Management - Weir	\$ 70,500	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ 8,813	\$ -
State Advocacy - The Onate Group (Sub to Bryant)	\$ 36,000	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ -
SCWA Administration	\$ 135,000	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ 16,875	\$ -
Contingency - included in consultant costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CONSULTANT BUDGET	\$ 241,500	\$ 30,187	\$ 30,188	\$ 30,188	\$ 30,188	\$ 30,187	\$ 30,188	\$ 30,187	\$ 30,187	\$ -

Totals - As Budgeted										
Approved by Board May 19, 2014	Total Budget	Las Gallinas Sanitary District	Napa Sanitation District	Novato Sanitary District	Sonoma Valley County Sanitation District	Sonoma County Water Agency	Napa County	North Marin Water District	City of Petaluma	Marin Municipal Water District
Total Phase 1 FY13/14	\$ 175,108	\$ 12,676	\$ 55,850	\$ 15,079	\$ 48,107	\$ 6,254	\$ 6,253	\$ 30,889	\$ -	\$ -
Total Phase 2 FY13/14	\$ 1,115,891	\$ -	\$ 392,656	\$ 297,738	\$ 43,647	\$ 121,475	\$ -	\$ -	\$ 260,375	\$ -
Total Joint Phase FY13/14	\$ 241,500	\$ 30,187	\$ 30,188	\$ 30,188	\$ 30,188	\$ 30,187	\$ 30,188	\$ 30,187	\$ 30,187	\$ -
Total Phase 1, 2 and Joint FY13/14	\$ 1,532,499	\$ 42,863	\$ 478,694	\$ 343,005	\$ 121,942	\$ 157,916	\$ 36,441	\$ 61,076	\$ 290,562	\$ -

Notes:

\$1 subtracted to correct rounding issues

North Bay Water Reuse Authority
July 1, 2014 to Date Transaction Summary
as of June 18, 2015
PHASE 1

Item No. 6.d

Date	Description	Amount		Las Galinas	Napa	Novato	SVCSD	SCWA	Napa County	North Marin Water Dist.
7/1/2014	Beginning Balance	118,958.02	b	5,020.55	39,368.99	6,940.04	33,200.78	4,974.12	4,907.35	24,546.76
7/16/2014	NMWD Inv. 15-05 - Phase I Membership fee	30,889.00	d							30,889.00
7/23/2014	Napa County Inv. 15-04 - Phase I Membership fee	6,253.00	d						6,253.00	
7/23/2014	SVCSD Inv. 15-06 - Phase I Membership fee	48,107.00	d				48,107.00			
7/23/2014	SCWA Inv. 15-07 - Phase I Membership fee	6,254.00	d					6,254.00		
7/29/2014	Novato San Inv. 15-02 - Phase I Membership fee	15,079.00	d			15,079.00				
7/29/2014	Napa San Inv. 15-03 - Phase I Membership fee	55,850.00	d		55,850.00					
7/31/2014	CDM Smith Inc (VP)									
8/7/2014	LGVSD Inv. 15-01 - Phase I Membership fee	12,676.00	d	12,676.00						
9/15/2014	CDM Smith Inv. 80498807/17	(1,621.00)	p	(117.34)	(517.01)	(139.59)	(445.33)	(57.89)	(57.89)	(285.94)
9/15/2014	Transfer of balances from WS admin phase (Closed)	2.73	p	(168.25)	2.73	2.73			(75.48)	(106.42)
9/18/2014	Petaluma Inv. 15-011 - PH I Initiation reimbursement	161,480.00	d	11,689.29	51,503.10	13,905.22	44,363.13	5,767.14	5,767.14	28,484.98
10/21/2014	Bryant & Associates September 2014	(12,776.57)	p	(924.88)	(4,075.01)	(1,100.20)	(3,510.09)	(456.31)	(456.31)	(2,253.78)
11/14/2014	CDM Smith Inv. 80505871	(1,779.20)	p	(128.79)	(567.47)	(153.21)	(488.80)	(63.54)	(63.54)	(313.85)
11/21/2014	Petaluma PH I Initiation reimbursement - LGVSD	(11,689.29)	p	(11,689.29)						
11/21/2014	Petaluma PH I Initiation reimbursement - NAPA SAN	(51,503.10)	p		(51,503.10)					
11/21/2014	Petaluma PH I Initiation reimbursement - NOVATO	(13,905.22)	p			(13,905.22)				
11/21/2014	Petaluma PH I Initiation reimbursement - SVCSD	(44,363.13)	p				(44,363.13)			
11/21/2014	Petaluma PH I Initiation reimbursement - Napa Co	(5,767.14)	p						(5,767.14)	
11/21/2014	Petaluma PH I Initiation reimbursement - NMWD	(28,484.98)	p							(28,484.98)
12/29/2014	Bryant & Associates November 2014	(8,150.52)	p	(590.00)	(2,599.56)	(701.85)	(2,239.18)	(291.09)	(291.09)	(1,437.75)
12/30/2014	Petaluma PH I Initiation reimbursement - SCWA	(5,767.14)	p					(5,767.14)		
12/30/2014	Brown & Caldwell Invoice 11228642 (Correction)	(3,267.73)	p	(236.55)	(1,042.22)	(281.39)	(897.74)	(116.70)	(116.70)	(576.43)
1/2/2015	Brown & Caldwell Invoice 11230722	(5,026.50)	p	(363.86)	(1,603.17)	(432.84)	(1,380.92)	(179.52)	(179.52)	(886.67)
1/29/2015	Brown & Caldwell Invoice 11232267	(9,754.50)	p	(706.11)	(3,111.14)	(839.97)	(2,679.84)	(348.38)	(348.38)	(1,720.69)
1/29/2015	Bryant & Associates December 2014	(6,126.12)	p	(443.46)	(1,953.89)	(527.53)	(1,683.02)	(218.79)	(218.79)	(1,080.64)
2/18/2015	CDM Smith Inv.	(2,949.60)	p	(213.52)	(940.76)	(253.99)	(810.34)	(105.34)	(105.34)	(520.31)
2/18/2015	Brown & Caldwell Invoice 11233787	(6,231.50)	p	(451.09)	(1,987.50)	(536.60)	(1,711.97)	(222.55)	(222.55)	(1,099.23)
2/20/2015	Bryant & Associates January 2015	(10,140.35)	p	(734.04)	(3,234.21)	(873.20)	(2,785.84)	(362.16)	(362.16)	(1,788.75)
3/4/2015	Bryant & Associates October 2014 - CORRECTION	(8,057.14)	p	(583.24)	(2,569.78)	(693.81)	(2,213.52)	(287.76)	(287.76)	(1,421.27)
3/4/2015	Bryant & Associates July & August 2014 - CORRECTION	(13,080.04)	p	(946.84)	(4,171.80)	(1,126.34)	(3,593.46)	(467.14)	(467.14)	(2,307.31)
3/27/2015	Bryant & Associates February 2015 (BA)	(7,001.52)	p	(506.83)	(2,233.09)	(602.91)	(1,923.52)	(250.05)	(250.05)	(1,235.06)
3/27/2015	Bryant & Associates February 2015 (TFG)	(1,975.94)	p	(143.04)	(630.21)	(170.15)	(542.85)	(70.57)	(70.57)	(348.55)
4/2/2015	Brown & Caldwell Invoice 11237093	(2,348.00)	p	(169.97)	(748.88)	(202.19)	(645.06)	(83.86)	(83.86)	(414.19)
4/22/2015	Bryant & Associates March 2015	(8,129.27)	p	(588.47)	(2,592.78)	(700.02)	(2,233.34)	(290.33)	(290.33)	(1,434.00)
5/11/2015	Brown & Caldwell Invoice 11238886	(864.00)	p	(62.54)	(275.57)	(74.40)	(237.37)	(30.86)	(30.86)	(152.41)
5/27/2015	Bryant & Associates April 2015	(8,759.35)	p	(634.08)	(2,793.74)	(754.28)	(2,406.44)	(312.83)	(312.83)	(1,545.14)
5/27/2015	Brown & Caldwell Invoice 11241185	(213.00)	p	(15.42)	(67.94)	(18.34)	(58.52)	(7.61)	(7.61)	(37.57)
6/15/2015	Bryant & Associates May 2015	(8,293.99)	p	(600.39)	(2,645.32)	(714.20)	(2,278.59)	(296.21)	(296.21)	(1,463.05)
Current NBWRA Balance		167,351.93		8,538.82	54,860.66	11,124.77	46,544.79	6,711.35	6,565.38	33,006.73
PENDING										
	Brown & Caldwell Invoice 11243950	(1,384.50)	bc	(100.22)	(441.58)	(119.22)	(380.36)	(49.45)	(49.45)	(244.22)
	CDM Smith Inv. 80525121	(8,403.42)	c	(608.31)	(2,680.22)	(723.63)	(2,308.66)	(300.12)	(300.12)	(1,482.36)
Projected Balance		157,564.01		7,830.29	51,738.86	10,281.92	43,855.77	6,361.78	6,215.81	31,280.15
				LG	Napa	Nov	SV	SCWA	Napa County	North Marin
					5.10%	32.78%	6.65%	27.81%	4.01%	19.72%
					5,020.55	39,368.99	6,940.04	33,200.78	4,974.12	24,546.76
					24,365.29	107,353.10	28,984.22	92,470.13	12,021.14	59,373.98
					-	-	-	-	-	-
					(20,847.02)	(91,861.43)	(24,799.49)	(79,126.12)	(10,283.90)	(50,914.01)
					8,538.82	54,860.66	11,124.77	46,544.79	6,711.35	33,006.73

NBWRA Obligations							% Spent	
Vendor	Encumbrances	Paid to date	Adjustments	Balance	Expires			
ESA	6,740.65	-	-	6,740.65	6/30/2015	0%		*rollover from LFY
CDM Smith (1400000002)	49,681.83	6,349.80	-	43,332.03	6/30/2015	13%		*rollover from LFY
B&C (1500000013)	72,628.00	27,705.23	-	44,922.77	6/30/2017	38%		
Bryant & Associates (1500000011)	102,480.00	92,490.81	-	9,989.19	6/30/2017	90%		
Total	231,530.48	126,545.84	-	104,984.64				
							% Spent	
Admin Agency Services	Unencumbered	Spent	Misc.	Balance				#DIV/0!
Contingency	-	-	-	-				#DIV/0!
Total	231,530.48	126,545.84	-	104,984.64				
Miscellaneous Expenses		-						
Total Expenses		126,545.84						

North Bay Water Reuse Authority
July 1, 2014 to Date Transaction Summary
as of June 18, 2015
PHASE 2

Item No. 6.d

<u>Date</u>	<u>Description</u>	<u>Amount</u>			<u>Las Galinas</u>	<u>Napa</u>	<u>Novato</u>	<u>SVCSD</u>	<u>SCWA</u>	<u>City of Petaluma</u>	<u>Marin Muni Water Dist.</u>
7/1/2014	Beginning Balance	4,533.40	b		647.63	647.63	647.63	647.63	647.63	647.63	647.63
7/23/2014	SVCSD Inv. 15-06 - Phase II Membership Fee	43,647.00	d								
7/23/2014	SCWA Inv. 15-07 - Phase II Membership Fee	121,475.00	d					43,647.00			
7/29/2014	Novato San Inv.15-02 - Phase II Membership Fee	297,738.00	d				297,738.00		121,475.00		
7/29/2014	Napa San Inv. 15-03 - Phase II Membership Fee	392,656.00	d			392,656.00					
9/8/2014	Petaluma Inv. 15-08 - Phase II Membership Fee	260,375.00	d							260,375.00	
10/21/2014	Bryant & Associates September 2014	(24,777.13)	p	ba	-	(8,718.50)	(6,610.95)	(969.14)	(2,697.21)	(5,781.33)	-
10/24/2014	Brown & Caldwell Invoice 11226043	(50,957.57)	p	bc	-	(17,930.79)	(13,596.34)	(1,993.16)	(5,547.18)	(11,890.10)	-
12/2/2014	Brown & Caldwell Invoice 11228642	(47,593.94)	p	bc	-	(16,747.21)	(12,698.86)	(1,861.59)	(5,181.02)	(11,105.25)	-
12/8/2014	Salary/Assn Chgs Applied	(954.96)	p	a	-	(336.03)	(254.80)	(37.35)	(103.96)	(222.82)	-
12/22/2014	Salary/Assn Chgs Applied	(124.90)	p	a	-	(43.95)	(33.33)	(4.89)	(13.60)	(29.14)	-
12/29/2014	Bryant & Associates November 2014	(14,012.33)	p	ba	-	(4,930.61)	(3,738.73)	(548.08)	(1,525.37)	(3,269.54)	-
12/30/2014	Correction to B&C Inv 11228642 - moved portion to PH1	3,267.73	d	bc	-	1,149.84	871.89	127.81	355.72	762.47	-
1/2/2015	Brown & Caldwell Invoice 11230722	(32,029.54)	p	bc	-	(11,270.45)	(8,546.02)	(1,252.81)	(3,486.70)	(7,473.56)	-
1/7/2015	Salary/Assn Chgs Applied	(372.35)	p	a	-	(131.02)	(99.35)	(14.56)	(40.53)	(86.88)	-
1/29/2015	Brown & Caldwell Invoice 11232267	(21,518.86)	p	bc	-	(7,571.99)	(5,741.59)	(841.69)	(2,342.52)	(5,021.07)	-
1/29/2015	Bryant & Associates December 2014	(9,189.17)	p	ba	-	(3,233.46)	(2,451.83)	(359.43)	(1,000.32)	(2,144.14)	-
2/18/2015	Brown & Caldwell Invoice 11233787	(17,686.92)	p	bc	-	(6,223.62)	(4,719.17)	(691.81)	(1,925.38)	(4,126.95)	-
2/20/2015	Bryant & Associates January 2015	(18,610.38)	p	ba	-	(6,548.56)	(4,965.56)	(727.93)	(2,025.90)	(4,342.42)	-
3/4/2015	Bryant & Associates October 2014 - CORRECTION	(13,765.13)	p	ba	-	(4,843.63)	(3,672.77)	(538.41)	(1,498.46)	(3,211.86)	-
3/4/2015	Bryant & Associates July & August 2014 - CORRECTION	(19,620.07)	p	ba	-	(6,903.85)	(5,234.96)	(767.42)	(2,135.82)	(4,578.02)	-
3/5/2015	Salary/Assn Chgs Applied	(558.60)	p	a	-	(196.56)	(149.04)	(21.85)	(60.81)	(130.34)	-
3/13/2015	Salary/Assn Chgs Applied	(1,205.10)	p	a	-	(424.05)	(321.54)	(47.14)	(131.19)	(281.19)	-
3/17/2015	Salary/Assn Chgs Applied	(443.38)	p	a	-	(156.02)	(118.30)	(17.34)	(48.27)	(103.46)	-
3/24/2015	Salary/Assn Chgs Applied	(4,259.71)	p	a	-	(1,498.89)	(1,136.56)	(166.61)	(463.71)	(993.93)	-
3/26/2015	Salary/Assn Chgs Applied	(1,261.61)	p	a	-	(443.93)	(336.62)	(49.35)	(137.34)	(294.38)	-
3/27/2015	Bryant & Associates February 2015 (BA)	(10,502.27)	p	ba	-	(3,695.51)	(2,802.18)	(410.79)	(1,143.27)	(2,450.53)	-
3/27/2015	Bryant & Associates February 2015 (TFG)	(4,610.52)	p	ba	-	(1,622.34)	(1,230.16)	(180.34)	(501.90)	(1,075.79)	-
4/2/2015	Brown & Caldwell Invoice 11237093	(46,884.68)	p	bc	-	(16,497.63)	(12,509.62)	(1,833.85)	(5,103.81)	(10,939.76)	-
4/13/2015	Salary/Assn Chgs Applied	(1,577.33)	p	a	-	(555.03)	(420.86)	(61.70)	(171.71)	(368.04)	-
4/22/2015	Bryant & Associates March 2015	(13,921.53)	p	ba	-	(4,898.66)	(3,714.50)	(544.53)	(1,515.48)	(3,248.36)	-
4/24/2015	Salary/Assn Chgs Applied	(1,564.03)	p	a	-	(550.35)	(417.31)	(61.18)	(170.26)	(364.94)	-
5/11/2015	Brown & Caldwell Invoice 11238886	(70,919.82)	p	bc	-	(24,955.04)	(18,922.60)	(2,773.97)	(7,720.25)	(16,547.96)	-
5/18/2015	Salary/Assn Chgs Applied	(2,595.97)	p	a	-	(913.46)	(692.65)	(101.54)	(282.59)	(605.73)	-
5/18/2015	Salary/Assn Chgs Applied	32.18	p	a	-	11.32	8.59	1.26	3.50	7.51	-
5/26/2015	Salary/Assn Chgs Applied	(830.02)	p	a	-	(292.06)	(221.46)	(32.47)	(90.36)	(193.67)	-
5/27/2015	Bryant & Associates April 2015	(14,807.93)	p	ba	-	(5,210.57)	(3,951.00)	(579.20)	(1,611.97)	(3,455.18)	-
5/27/2015	Brown & Caldwell Invoice 11241185	(57,462.59)	p	bc	-	(20,219.76)	(15,331.99)	(2,247.60)	(6,255.31)	(13,407.94)	-
6/9/2015	Salary/Assn Chgs Applied	(1,409.88)	p	a	-	(496.10)	(376.18)	(55.15)	(153.48)	(328.97)	-
5/15/2015	Bryant & Associates May 2015	(14,317.22)	p	ba	-	(5,037.90)	(3,820.08)	(560.01)	(1,558.56)	(3,340.68)	-
					-	-	-	-	-	-	-
Current NBWRA Balance		603,378.87			647.63	211,367.26	160,429.19	24,070.85	65,837.64	140,378.67	647.63
PENDING											
	Brown & Caldwell Invoice 11243950	(58,943.37)			-	(20,740.81)	(15,727.08)	(2,305.52)	(6,416.51)	(13,753.45)	-
					-	-	-	-	-	-	-
Projected Balance		544,435.50			647.63	190,626.45	144,702.11	21,765.33	59,421.14	126,625.22	647.63
					LG	Napa	Nov	SV	SCWA	Petaluma	MMWD
						0.107%	35.031%	26.588%	3.989%	10.911%	23.265%
											0.107%
					647.63	647.63	647.63	647.63	647.63	647.63	647.63
					-	393,805.84	298,609.89	43,774.81	121,830.72	261,137.47	-
					-	-	-	-	-	-	-
					-	(183,086.20)	(138,828.33)	(20,351.59)	(56,640.71)	(121,406.43)	-
					647.63	211,367.26	160,429.19	24,070.85	65,837.64	140,378.67	647.63

NBWRA Reconciliation	
Beginning Balance	4,533.40
Deposits	1,119,158.73
Interest Earnings	-
Payments	(520,313.26)
	603,378.87

NBWRA Obligations						
<u>Vendor</u>	<u>Encumbrances</u>		<u>Paid to date</u>	<u>Adjustments</u>	<u>Balance</u>	<u>% Spent</u>
B&C (1500000013)	825,335.00	bc	341,786.19	-	483,548.81	41%
Bryant & Associates (1500000011)	175,720.00	ba	158,133.68	-	17,586.32	90%
Total	1,001,055.00		499,919.87	-	501,135.13	
Unencumbered			<u>Spent</u>	<u>Misc.</u>	<u>Balance</u>	<u>% Spent</u>
Admin Agency Services FY14/15	116,836.00	a	17,125.66	-	99,710.34	15%
Total	1,117,891.00		517,045.53	-	600,845.47	

Miscellaneous Expenses m -
Total Expenses 517,045.53

North Bay Water Reuse Authority
July 1, 2014 to Date Transaction Summary
as of June 18, 2015
Joint Use

Item No. 6.d

Date	Description	Amount		Las						North Marin		City of	Marin Muni	Marin County
				Galinas	Napa	Novato	SVCSD	SCWA	Napa County	Water Dist.	Petaluma	Water Dist.		
7/1/2013	Beginning Balance	92,930.69	b	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	6,884.62	5,000.00
7/16/2014	NMWD Inv. 15-05 - JU membership fee	30,187.00	d									30,187.00		
7/17/2014	County of Marin Inv. 15-10 - Associate membership fee	5,000.00	d											5,000.00
7/23/2014	Napa County Inv. 15-04 - JU membership fee	30,188.00	d						30,188.00					
7/23/2014	SVCSD Inv. 15-06 - JU membership fee	30,188.00	d				30,188.00							
7/23/2014	SCWA Inv. 15-07 - JU membership fee	30,187.00	d					30,187.00						
7/29/2014	Novato San Inv.15-02 - JU Membership Fee	30,188.00	d			30,188.00								
7/29/2014	Napa San Inv. 15-03 - JU Membership Fee	30,188.00	d		30,188.00									
8/7/2014	LGVSD Inv. 15-01 - JU Membership fee	30,187.00	d	30,187.00										
9/3/2014	Weir Technical Services SCWA_7-14	(3,596.60)	p	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)	(449.58)		
9/8/2014	Petaluma Inv. 15-08 - JU Membership Fee	30,187.00	d								30,187.00			
9/19/2014	Food/Snacks for NBWRA BOD Meeting	(46.97)	p	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)	(5.87)		
9/22/2014	Weir Technical Services SCWA_8-14	(2,224.59)	p	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)	(278.07)		
9/26/2014	Federal Express Corp	(35.86)	p	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)	(4.48)		
9/26/2014	Salary/Assn Chgs Applied (& reversal)	(1,702.81)	p	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)	(212.85)		
10/10/2014	Salary/Assn Chgs Applied	(4,483.38)	p	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)	(560.42)		
10/13/2014	Salary/Assn Chgs Applied	(2,583.31)	p	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)	(322.91)		
10/13/2014	Salary/Assn Chgs Applied	(1,366.02)	p	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)	(170.75)		
10/15/2014	Salary/Assn Chgs Applied	(1,331.50)	p	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)	(166.44)		
10/15/2014	Meeting room rental	(370.00)	p	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)		
10/16/2014	Salary/Assn Chgs Applied	(2,689.11)	p	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)	(336.14)		
10/16/2014	Salary/Assn Chgs Applied (& reversal)	(5,093.26)	p	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)	(636.66)		
10/20/2014	Weir Technical Services SCWA_9-14	(4,828.58)	p	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)	(603.57)		
10/21/2014	Bryant & Associates September 2014	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
10/28/2014	Salary/Assn Chgs Applied	(1,625.18)	p	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)	(203.15)		
11/13/2014	Salary/Assn Chgs Applied	(3,586.29)	p	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)	(448.29)		
11/19/2014	Salary/Assn Chgs Applied	(1,787.65)	p	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)	(223.46)		
12/8/2014	Salary/Assn Chgs Applied	(2,060.69)	p	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)	(257.59)		
12/22/2014	County Counsel	(114.50)	p	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)		
12/22/2014	County Counsel	(171.75)	p	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)	(21.47)		
12/22/2014	TAC Meeting & Video Shoot Provisions (Ulias Deli)	(109.45)	p	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)	(13.68)		
12/22/2014	Salary/Assn Chgs Applied	(4,872.80)	p	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)	(609.10)		
12/23/2014	Canteen Beverage	(8.33)	p	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)		
12/29/2014	Weir Technical Services SCWA_11-14	(2,387.95)	p	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)	(298.49)		
12/29/2014	Bryant & Associates November 2014	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
1/5/2015	Federal Express Corp	(23.80)	p	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)	(2.98)		
1/7/2015	Salary/Assn Chgs Applied	(6,908.08)	p	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)	(863.51)		
1/13/2015	NBWRA Phase 1 Tour Provisions (USBR)	(109.20)	p	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)	(13.65)		
1/16/2015	NMWD Inv. 15-09 - Associate membership fee	5,000.00	d										5,000.00	
2/4/2015	Meeting & Video Shoot Provisions	(35.43)	p	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)	(4.43)		
2/4/2015	Meeting & Video Shoot Provisions	(22.85)	p	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)	(2.86)		
2/5/2015	Weir Technical Services SCWA 12-14	(3,144.58)	p	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)	(393.07)		
2/20/2015	Xtelesis Corporation	(16.05)	p	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)	(2.01)		
2/20/2015	Bryant & Associates December 2014 & January 2015	(6,000.00)	p	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)		
2/23/2015	Meeting room rental	(370.00)	p	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)	(46.25)		
2/23/2015	Xtelesis Corporation	(3.45)	p	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)	(0.43)		
2/24/2015	Weir Technical Services SCWA 01-15	(4,687.50)	p	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)	(585.94)		
2/24/2015	Weir Technical Services SCWA 01-15 (Expenses)	(170.58)	p	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)	(21.32)		
3/4/2015	Weir Technical Services SCWA_10-14 - Correction	(5,266.37)	p	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)	(658.30)		
3/4/2015	Bryant & Associates October 2014 - Correction	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
3/4/2015	Bryant & Associates July & August 2014 - Correction	(6,000.00)	p	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)	(750.00)		
3/4/2015	Salary/Assn Chgs Applied	(5,664.32)	p	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)	(708.04)		
3/5/2015	Equip Revenue Clearing	(59.20)	p	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)	(7.40)		
3/5/2015	Salary/Assn Chgs Applied	(3,212.30)	p	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)	(401.54)		
3/6/2015	Meeting Provisions	(39.99)	p	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)		
3/6/2015	Xtelesis Corporation	(5.70)	p	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)	(0.71)		
3/13/2015	Salary/Assn Chgs Applied	(2,925.00)	p	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)	(365.63)		
3/17/2015	Salary/Assn Chgs Applied	(454.77)	p	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)	(56.85)		
3/24/2015	Salary/Assn Chgs Applied	(569.75)	p	(71.22)	(71.22)	(71.22)	(71.22)	(71.22)	(71.22)	(71.22)	(71.22)	(71.22)		
3/26/2015	Salary/Assn Chgs Applied	(1,892.65)	p	(236.58)	(236.58)	(236.58)	(236.58)	(236.58)	(236.58)	(236.58)	(236.58)	(236.58)		
3/27/2015	CANTEEN SVC OF NO CA INC	(8.33)	p	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)	(1.04)		
3/27/2015	Bryant & Associates February 2015	(3,000.00)	p	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
3/27/2015	Weir Technical Services SCWA 02-15	(1,500.00)	p	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)	(187.50)		
3/27/2015	Weir Technical Services SCWA 02-15 (Expenses)	(23.77)	p	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)	(2.97)		

**North Bay Water Reuse Authority
July 1, 2014 to Date Transaction Summary
as of June 18, 2015**

Joint Use

Item No. 6.d

Date	Description	Amount		Galinas	Napa	Novato	SVCSD	SCWA	Napa County	Water Dist.	Petaluma	Water Dist.	Marin County
4/13/2015	Equip Revenue Clearing	(37.00)	p m	(4.63)	(4.63)	(4.63)	(4.63)	(4.63)	(4.63)	(4.63)	(4.63)		
4/13/2015	Salary/Assn Chgs Applied	(1,261.79)	p a	(157.72)	(157.72)	(157.72)	(157.72)	(157.72)	(157.72)	(157.72)	(157.72)		
4/17/2015	Weir Technical Services SCWA 03-15	(4,012.50)	p w2	(501.56)	(501.56)	(501.56)	(501.56)	(501.56)	(501.56)	(501.56)	(501.56)		
4/17/2015	Weir Technical Services SCWA 03-15 (Expenses)	(72.85)	p w2	(9.11)	(9.11)	(9.11)	(9.11)	(9.11)	(9.11)	(9.11)	(9.11)		
4/22/2015	Bryant & Associates March 2015	(3,000.00)	p ba	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
4/24/2015	Salary/Assn Chgs Applied	(1,521.50)	p a	(190.19)	(190.19)	(190.19)	(190.19)	(190.19)	(190.19)	(190.19)	(190.19)		
5/18/2015	Salary/Assn Chgs Applied	(3,777.78)	p a	(472.22)	(472.22)	(472.22)	(472.22)	(472.22)	(472.22)	(472.22)	(472.22)		
5/18/2015	Salary/Assn Chgs Applied	34.79	p a	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35		
5/26/2015	JV To Clean Up Account 20300 f	(220.67)	p a	(27.58)	(27.58)	(27.58)	(27.58)	(27.58)	(27.58)	(27.58)	(27.58)		
5/26/2015	Salary/Assn Chgs Applied	(3,382.10)	p a	(422.76)	(422.76)	(422.76)	(422.76)	(422.76)	(422.76)	(422.76)	(422.76)		
5/27/2015	Bryant & Associates April 2015	(3,000.00)	p ba	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
5/27/2015	Weir Technical Services SCWA 04-15	(5,962.50)	p w2	(745.31)	(745.31)	(745.31)	(745.31)	(745.31)	(745.31)	(745.31)	(745.31)		
5/27/2015	Weir Technical Services SCWA 04-15 (Expenses)	(102.35)	p w2	(12.79)	(12.79)	(12.79)	(12.79)	(12.79)	(12.79)	(12.79)	(12.79)		
5/27/2015	Xtelesis Corporation	(18.15)	p a	(2.27)	(2.27)	(2.27)	(2.27)	(2.27)	(2.27)	(2.27)	(2.27)		
6/3/2015	Correcting JV County Counsel	(114.50)	p m	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)		
6/8/2015	County Counsel SCWA MAR 15	(114.50)	p m	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)	(14.31)		
6/9/2015	Salary/Assn Chgs Applied	(1,206.05)	p a	(150.76)	(150.76)	(150.76)	(150.76)	(150.76)	(150.76)	(150.76)	(150.76)		
6/15/2015	Bryant & Associates May2015	(3,000.00)	p ba	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)	(375.00)		
Current NBWRA Balance		205,471.00		23,411.53	23,412.53	23,412.53	23,412.53	23,411.53	23,412.53	23,411.53	19,701.66	11,884.62	10,000.00
PENDING													
	Weir Technical Services SCWA 05-15	(4,200.00)	w2	(525.00)	(525.00)	(525.00)	(525.00)	(525.00)	(525.00)	(525.00)	(525.00)		
	Weir Technical Services SCWA 05-15 (Expenses)	(88.53)	w2	(11.07)	(11.07)	(11.07)	(11.07)	(11.07)	(11.07)	(11.07)	(11.07)		
Projected Balance		201,182.47		22,875.46	22,876.46	22,876.46	22,876.46	22,875.46	22,876.46	22,875.46	19,165.59	11,884.62	10,000.00
				LG	Napa	Nov	SV	SCWA	Napa County	North Marin	Petaluma	MMWD	Marin County
				11.394%	11.395%	11.395%	11.395%	11.394%	11.395%	11.394%	9.589%	5.784%	4.867%
NBWRA Reconciliation				10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	10,594.49	6,884.62	6,884.62	5,000.00
	Beginning Balance	92,930.69	b	30,187.00	30,188.00	30,188.00	30,188.00	30,187.00	30,188.00	30,187.00	30,187.00	5,000.00	5,000.00
	Deposits	251,500.00	d	-	-	-	-	-	-	-	-	-	-
	Interest Earnings	-	i	-	-	-	-	-	-	-	-	-	-
	Payments	(138,959.69)	p	(17,369.96)	(17,369.96)	(17,369.96)	(17,369.96)	(17,369.96)	(17,369.96)	(17,369.96)	(17,369.96)	-	-
	Balance	205,471.00		23,411.53	23,412.53	23,412.53	23,412.53	23,411.53	23,412.53	23,411.53	19,701.66	11,884.62	10,000.00
NBWRA Obligations													
Vendor	Encumbrances			Paid to date	Adjustments	Balance	Expires	% Spent					
Weir Technical Services (1400000004)	16,910.87	w1		10,649.77	-	6,261.10	9/30/2014	63%	* expired 9/30/2014 - balance released				
Weir Technical Services (1500000012)	70,500.00	w2		27,330.95	-	43,169.05	6/30/2017	39%					
Bryant & Associates (1500000011)	36,000.00	ba		33,000.00	-	3,000.00	6/30/2017	92%					
Total	123,410.87			70,980.72	-	52,430.15							
				Unencumbered	Spent	Misc.	Balance	% Spent					
Admin Agency Services	135,000.00	a		66,246.51	729.44	68,024.05		50%					
Unallocated funds	52,939.87	ua		1,003.02		51,936.85		2%					
Contingency	-	c		-		-		#DIV/0!					
Total	187,939.87			138,230.25	-	120,454.20							
TOTAL		311,350.74											
Miscellaneous Expenses			m	729.44									
Total Expenses				138,959.69									

NOTES:

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

FY2013/2014

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

FY2014/2015

Period	Date Posted	Amount
1st Quarter	10/15/2014	\$ 1,849.53
2nd Quarter	1/15/2015	\$ 2,430.25
3rd Quarter	4/16/2015	\$ 2,256.57
4th Quarter		
Total		\$ 6,536.35

Chuck Weir

Subject: FW: Call to discuss Phase 1 projects and reallocation process
Attachments: NBWRA Phase 1 Grant Summary - 06.04.15.xlsx

From: Gain, Jenny [<mailto:JGain@BrwnCald.com>]
Sent: Thursday, June 04, 2015 9:48 AM
To: chuckweir@sbcglobal.net; 'Ginger Bryant'; 'Kevin Booker'; 'Jake Spaulding'; Savage, Mike
Cc: 'Brad Sherwood'
Subject: RE: Call to discuss Phase 1 projects and reallocation process

Hi all – Attached is a table that summarizes the Phase 1 projects as shown in the grant applications. The information that I've compiled is in the "Summary" sheet (highlighted in yellow). The other sheet that's included is pulled from Jake's Dec. 2014 WaterSMART grant application file. To pull together this information, I reviewed all of the federal grant applications; I started with the ARRA application and proceeded from there. I've used highlights and font color to distinguish a few things for this working version:

- Yellow highlights – Areas where follow up is needed with Member Agencies
- Red font – Changes/additions since Dec. 2014 WaterSMART grant application submitted
- Gray, orange, and blue highlights – I've highlighted the overlapping LGVSD/NMWD and Novato SD/NMWD projects. In the initial ARRA grant application, these projects were mentioned individually and tied to a single agency. In subsequent applications, these projects were combined and shown as joint projects between the agencies. The highlights help to track how the original individually listed projects were later organized/merged.

I've integrated schedule information, as well as funding requested and received. As I reviewed the applications, I tracked the amount that was received through each previous grant cycle (as reported in the application) and the amount that was being requested. (For example, the 2012 application reported out on the ARRA and 2011 WaterSMART funds received and included a request for 2012 funding.) I've confirmed that the total amounts match Jake's table.

There was quite a bit of evolution in the project names as included in the applications over the years, and that's part of what makes this tricky. So, I've added a column to help track that information.

I'm happy to answer any questions about what I've done with this. This is a working version, and any feedback is welcome and appreciated.

Thanks,
 -Jenny

NBWRA Grants
Summary
June 4, 2015

Agency	Initial Project Names (from grant app where project first described/named)	Project Names Subsequently Adopted	Status	Schedule for Const. Completi on	Grant app where first described/ named	Total Project Cost (per Grant App)	Amount Requested								Amount Received							
							ARRA	Appropriations/ Title XVI	2011 WS	2012 WS	2013 WS	2014 WS	2015 WS	Total	ARRA	Appropriations/ Title XVI	2011 WS	2012 WS	2013 WS	2014 WS	2015 WS	Total
SCWA			Ongoing	N/A	ARRA		50,000							50,000	50,000							50,000
	Grant Admin		Ongoing	N/A	2011 WaterSMART				25,000	100,000	37,500	31,236	15,002	208,738					37,500	31,236	15,002	83,738
SVCSD	Sonoma Valley Pipelines	Sonoma Valley Recycled Water Project - McGill	Complete		ARRA	3,270,000																
	WWTP Storage (65 AF)	Recycled Water Project (SVCSD & SCWA)	Complete		ARRA	1,510,000																
	WWTP Pumping (662 hp)		TBD		ARRA	1,740,000				1,875,000	87,500											
	Salt Marsh Pipelines	Salt Marsh Project (SVCSD & SCWA)	Complete		ARRA	12,400,000	1,677,500							3,640,000	1,677,500			1,836,750	87,500			3,601,750
		5th Street Pipeline (SVCSD)	Design: July-15 Bid: Jan-16 Award: Apr/May-16	Aug-16	2015 WaterSMART								340,000	340,000							340,000	340,000
LGVSD	LGVSD WWTP Expansion		Not started? Need to get input on timeline		(New project? Not explicitly named in apps prior to 2015)																	
	Pipelines		Complete		ARRA	3,030,000																0
	WWTP Pumping (72 hp)		Complete		ARRA	380,000																0
	WWTP Treatment (0.7 mgd)		Complete		ARRA	2,520,000																
NMWD	Hamilton Field, Reservoir Storage (retrofit, 0.5 MG)		Complete		ARRA	160,000																
	Pipeline & Reservoir Storage (retrofit, 0.5 MG)	Novato South (LGVS & NMWD)	Complete		2011 WaterSMART		1,425,500	43,700	1,641,175					3,110,375	1,425,500	43,700	1,636,175					3,105,375
			Complete		ARRA	210,000																

NBWRA Grants
Summary
June 4, 2015

Agency	Initial Project Names (from grant app where project first described/named)	Project Names Subsequently Adopted	Status	Schedule for Const. Completi n	Grant app where first described/ named	Total Project Cost (per Grant App)	Amount Requested								Amount Received									
							ARRA	Appropriations/ Title XVI	2011 WS	2012 WS	2013 WS	2014 WS	2015 WS	Total	ARRA	Appropriations/ Title	2011 WS	2012 WS	2013 WS	2014 WS	2015 WS	Total		
Novato SD	WWTP Treatment (1.2 mgd)	Novato North (Novato SD & NMWD)	Complete		ARRA	3,070,000	2,637,500								2,637,500	2,637,500								
	Pipelines		Complete	ARRA	2,510,000																			
	WWTP Pumping (259 hp)		Complete	ARRA	910,000																		2,637,500	
	Novato SD WWTP Expansion (0.87 mgd)	Novato Central Service Area Extension (Novato SD & NMWD)	Not started? Need to get input on timeline		(New project? Not explicitly named in apps prior to 2015)																			
Pipelines	Design: Oct-15 Bid: Nov-15 to Feb-16 Award: Mar-16																							
Novato SD	Pipelines			Dec-16	ARRA	5,260,000																		0
Napa SD	Pipelines	MST Recycled Water Pipeline (MST Recycled Water Pipeline, Capacity Increase, and Pump Station Modifications Project Napa SD & Napa County)	Under construction	Dec-15	ARRA	14,990,000																		
	Recycled Water Pipeline Napa State Hospital RW Pipeline Imola Extension		Complete																					
	WWTP Treatment (1.9 mgd)		Complete?	Apr-15	ARRA	4,750,000																		
	WWTP Pumping (pump only, 636 hp)				ARRA	300,000																		
	Pumping (228 hp)	Design: Apr-14 to Apr-15 Bid: May to June-15 Award: June-15	Feb-16	ARRA	1,060,000	1,537,500			2,025,000	3,875,000	2,003,496	438,223	9,879,219	1,537,500		2,025,000	3,875,000	1,463,764	438,223	9,339,487				
			Napa SD MST Pipeline Distribution Lines	Design: Apr to Aug-15 Bid: Aug to Sept-15 Award: Oct-15	Aug-16	2015 WaterSMAR T							1,000,000	1,000,000								1,000,000	1,000,000	
Total					*	58,070,000	7,328,000	43,700	1,666,175	4,000,000	4,000,000	2,034,732	1,793,225	20,865,832	7,328,000	43,700	1,636,175	3,861,750	4,000,000	1,495,000	1,793,225	20,157,850		

Legend –

- Yellow highlights – Areas where follow up is needed with Member Agencies
- Red font – Changes/additions since Dec. 2014 WaterSMART grant application submitted

(Need to add any add'l projects that we've heard about.)

*Note: This number does not include the mark-ups (allowance, contingency, and non-contract cost). With the mark-ups, the total included in the ARRA application was \$98,000 construction cost.

Chuck Weir

Subject: FW: Call to discuss Phase 1 projects and reallocation process
Attachments: NBWRP Phase 1 Costs Summary - jspaulding20150616.xlsx

From: Jake Spaulding [<mailto:Jake.Spaulding@scwa.ca.gov>]
Sent: Tuesday, June 16, 2015 12:03 PM
To: chuckweir@sbcglobal.net; 'Gain, Jenny'; 'Ginger Bryant'; Kevin Booker; 'Savage, Mike'
Cc: Brad Sherwood
Subject: RE: Call to discuss Phase 1 projects and reallocation process

Chuck and all,

Sorry for the delayed response. I've had an inconsistent schedule lately and just returned to the office (and am leaving again in a few minutes). I'm going to try and address a few of the questions proposed by Ginger in this email.

The main update on our side is that SVCSD has committed its remaining unused funds (firm amount to be determined after SVCSD gets a better estimate for its pumping project) to LGVSD. This means that LGVSD, NMWD, and Napa San will each receive between \$ 1 and \$1.3 million and Novato will receive an additional \$190k. In addition, SCWA will have remaining funds that were for construction grant admin that will need to be reallocated. We think that the TAC should make this decision (SCWA will if the TAC declines) as the funds are not for a SCWA "project" but rather to administer other members projects.

Admin charges –SCWA has paid the admin (that have been spent) and to date has not been reimbursed for the 75% local cost share. At the conclusion of phase 1, the member agencies will need to reimburse SCWA for that cost based on an allocation of their choice (equal share or based on final allocation).

Jake

Jake Spaulding
T. 707-524-8373
jake.spaulding@scwa.ca.gov
Schedule: M,W,TH,F 7:15am – 5:45pm

North Bay Water Reuse Program Phase 1 Federal Funding Status and Summary - June 2015

Member Agency	Phase 1 Authorized for \$25M in Federal Funding - Allocated to Members per 2010 MOU	Authorization after Reallocating Administration Charges	Obligated Federal Funding 2010-2014 (Title XVI ARRA & WaterSMART)	% of Allocation*	Remaining Funds under Phase 1 Authorization	Funds Released for Reallocation	Reallocation	2015 Title XVI WaterSMART Grant	2016 Title XVI WaterSMART Grant	2017 Title XVI WaterSMART Grant	Total at Completion with New Allocation	New % of Allocation
LGVSD	\$1,222,475	\$1,206,092	\$1,181,875	4.89%	\$24,217	\$24,217	\$1,140,888			\$1,140,888	\$2,339,146	9.36%
NMWD - South, Central, North	\$4,689,500	\$4,626,665	\$3,139,500	18.76%	\$1,487,165		\$1,262,835		\$2,750,000		\$5,952,335	23.81%
Novato SD	\$1,679,900	\$1,657,382	\$1,346,500	6.72%	\$310,882		\$189,118		\$500,000		\$1,869,018	7.48%
Napa SD	\$9,441,000	\$9,314,487	\$8,876,264	37.76%	\$438,223		\$1,000,000	\$1,438,223			\$10,441,000	41.76%
SVCSD	\$7,967,125	\$7,860,374	\$3,451,750	31.87%	\$4,408,624	\$3,568,624		\$340,000	\$500,000		\$4,398,501	17.59%
ADMIN Construction	\$0	\$335,000	\$243,736	0.00%	\$56,264			\$15,001.99	\$31,636.90	\$9,625	\$0	0.00%
Unallocated										\$0	\$0	0.00%
Total	\$25,000,000	\$25,000,000	\$18,239,625	100%	\$6,725,375	\$3,592,841	\$3,592,841	\$1,793,225	\$3,781,637	\$1,150,513	\$25,000,000	100%

\$6,725,375

Notes:

1. Admin costs allocated based on funding % - not MOU percentage (SCWA & Napa Co don't have projects so no admin)
2. SVCSD and LGVSD releasing funds; Napa San, NMWD, and Novato San taking additional funds
3. Admin costs for 2015 - 2017 are split proportionate to grant amount
4. Napa San confirmed additional request of \$1 million on 11/17/14 (leaving 735,888 unallocated)
5. SVCSD will provide LGVSD with remainga balance after it completes its last project

Page 1

Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
June 22, 2015

ITEM NO. 9 STATUS OF MARIN MUNICIPAL WATER DISTRICT'S REENTRY AS A FULL PHASE 2 MEMBER AND PARTICIPANT

Action Requested: No action is required at this time.

At the May 11, 2015 meeting, the TAC discussed the possibility of City of American Canyon and Marin Municipal Water District becoming full members for Phase 2. No action was taken on the City of American Canyon and it was decided to let the process continue and determine if action was required as a later date.

For Marin Municipal Water District (MMWD), the TAC approved the following for MMWD to become a Phase 2 participant:

- Require a commitment for Phase 2 participation by the June 22, 2015 TAC meeting.
- Provide an estimated project cost for the Phase 2 process by July 20, 2015 to be used in recalculating Phase 2 cost allocations based on project costs. Addition of MMWD to Phase 2 and modifications to the member agency cost allocations will be presented to the Board for approval at the July 27, 2015 meeting.
- Payment of FY2014/15 Phase 2 and Joint Use costs and applicable Phase 2 and Joint Use costs in FY2015/16 and beyond through the completion of Phase 2.
- Payment of the remaining buy-in fee of 0.6% of their identified Phase 2 project cost less the previously paid \$25,000.

MMWD has decided to not participate in Phase 2 at this time. Please refer to the attached email from Paul Sellier, dated June 18, 2015.

Recommendations

No action is required at this time.

Chuck Weir

From: Paul Sellier <psellier@marinwater.org>
Sent: Thursday, June 18, 2015 9:15 AM
To: 'chuckweir@sbcglobal.net'
Cc: Michael Ban; Krishna Kumar
Subject: RE: Phase 2 Participation

Hi Chuck –

We have discussed re-joining the NBWRA at some length and have decided that at the present time MMWD will remain an associate member of the NBWRA.

MMWD is facing a difficult period as we seek out the best use of our resources to increase the drought resiliency of our water supply. The volume of potable water offset by recycled water projects in MMWD's service area is relatively small in comparison to the capital required to construct those projects. As a result MMWD is exploring all available options to increase water supply resiliency to ensure the best use of our available capital.

I am aware that there will be no future opportunity for MMWD to participate in Phase 2 of the NBWRA, however I hope that MMWD will be given the opportunity to consider participation in any future phases. I would like to thank the NBWRA for their consideration in this matter and look forward to supporting NBWRA efforts in Phase 2. If I can be of any assistance please do not hesitate to call me.

Regards,

Paul

Paul Sellier, P.E.
 Senior Engineer, Water Quality
 Marin Municipal Water District
 220 Nellen Ave
 Corte Madera, CA 94925
 Tel 415.945.1557
 Fax: 415.927.4953

From: Chuck Weir [<mailto:chuckweir@sbcglobal.net>]
Sent: Thursday, June 18, 2015 9:08 AM
To: Paul Sellier
Subject: Phase 2 Participation

Hi Paul,

I am putting together the agenda for Monday's TAC meeting and will have MMWD's Phase 2 participation as an agenda item. Do you have any news on your decision to participate? If not, no problem as it can be discussed at the meeting.

Thanks,

Chuck Weir
 Weir Technical Services



To: North Bay Water Reuse Authority

From: The Ferguson Group

Re: EPA – Corps of Engineers Final “Waters of the United States” (WOTUS) Rule and Summary of Changes Made Between the Proposed and Final Rule

Date: June 4, 2015

Final WOTUS Rule vs. Existing Regulations

On April 21, 2014, the U.S. Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (Corps) published, for public comment, a proposed rule¹ regarding the “Definition of ‘Waters of the United States’ (WOTUS) Under the Clean Water Act,” in light of two U.S. Supreme Court cases in 2001 and 2006, *Solid Waste Agency of Northern Cook County (SWANCC) v. U.S. Army Corps of Engineers* and *Rapanos v. United States*, respectively.

On May 27, 2015, the EPA and the Corps announced the final “Waters of the United States” (WOTUS) rule.² The rule will become effective 60 days after its publication in the Federal Register (estimated by EPA to occur within the next two weeks).

Consistent with existing regulations and the April 2014 proposed rule, the final rule includes traditional navigable waters, interstate waters, territorial seas, and impoundments of jurisdictional waters in the definition of “waters of the United States.” These waters are jurisdictional by rule under the Clean Water Act (CWA).

In departing from the existing regulations, the final rule makes all tributaries to a “water of the U.S.” automatically jurisdictional as a “water of the U.S.” under the CWA. The final rule defines a “tributary” as a water feature with a “bed, banks and an ordinary high water mark” that contributes flow either directly or indirectly through another water body (either jurisdictional or non-jurisdictional) to a “water of the U.S.” Tributaries can include perennial, intermittent, and ephemeral (i.e. seasonal rainfall or snowmelt induced) streams. A tributary can be natural, man-altered, or man-made waters and includes waters such as rivers, streams, canals, and ditches not specifically excluded under the final rule. Also, under the final rule wetlands and open waters without bed, banks and ordinary high water marks are not tributaries and will be evaluated for

¹ The text of the proposed WOTUS rule is available at <http://www.gpo.gov/fdsys/pkg/FR-2014-04-21/pdf/2014-07142.pdf>.

² The text of the final prepublication draft of the WOTUS rule is available at http://www2.epa.gov/sites/production/files/2015-05/documents/rule_preamble_web_version.pdf.

adjacency in determining whether they are a “water of the U.S.” The tributary definition, however, does require that flow in tributaries must be of “sufficient volume, frequency, and duration to create the physical characteristics of bed and banks and an ordinary high water mark.” If a water lacks sufficient flow to create such characteristics, it will not be considered a “tributary” under the final rule. The final rule suggests that a feature that flows very rarely is not a tributary because it would not form the physical indicators required under the definition.

Under existing regulations, waters considered “adjacent” to jurisdictional waters -- traditional navigable waters, interstate waters, the territorial seas, impoundments or tributaries, including wetlands, ponds, lakes, oxbows, impoundments, and similar waters -- are considered “waters of the U.S.” However, the final rule changes that to include waters adjacent to jurisdictional waters within a minimum of 100-feet and within the 100-year floodplain, and out to a maximum of 1,500-feet from the ordinary high water mark (high tide line) of such jurisdictional waters. These “adjacent” waters are automatically considered “waters of the U.S.” by rule.

Existing regulations include isolated or “other” waters as “waters of the U.S.” if the use, degradation or destruction of which could affect interstate or foreign commerce. But the final rule sets forth only two sets of isolated or “other” waters that could trigger a case-specific “significant nexus” analysis under the CWA to determine if they are “waters of the U.S.” subject to federal regulation. The term “significant nexus” is defined in the final rule as “a water, including wetlands, either alone or in combination with other similarly situated waters in the region, significantly affects the chemical, physical, or biological integrity of a “water of the U.S.”” First, if specific waters are similarly situated as prairie potholes, Carolina & Delmarva bays, pocosins, western vernal pools in California, and Texas coastal prairie wetlands and are determined to have a significant nexus to “waters of the U.S.” then they, too, are considered jurisdictional. Second, isolated and “other” waters within the 100-year floodplain of traditionally navigable water, interstate water, or a territorial sea, and all waters within 4,000-feet of any jurisdictional water, and determined through a case-specific analysis to have a significant nexus to such jurisdictional waters, then they, too, will be considered jurisdictional as “waters of the U.S.” Isolated or “other” waters that do not meet these two tests cannot be considered as “waters of the U.S.” and are excluded from CWA regulation.

Waters that are excluded under existing regulations are limited to prior converted cropland and wastewater treatment facilities. The final rule expands those exclusions to include ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary; ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain a wetland; and, ditches that do not flow directly or indirectly through another water into a traditionally navigable water, an interstate water, or a territorial sea. Also excluded in the final rule are artificially irrigated areas that revert to dry land if irrigation water ceases to be applied; artificial, constructed lakes and ponds created in dry land (e.g. farm and stock water ponds, irrigation ponds, settling basins, fields flooded for rice growing, log cleaning ponds, or cooling ponds); artificial reflecting pools or swimming pools created in dry land; small ornamental waters created in dry land; water-filled depressions created in dry land incidental to mining or construction activity, including pits excavated for fill, sand or gravel; erosional features, including gullies, rills, and other ephemeral features that do not meet the definition of a tributary, non-wetland swales, and lawfully constructed grassed waterways; and puddles. Finally, the rule

excludes groundwater, including groundwater drained through subsurface drainage systems; stormwater control features constructed in dry land to convey, treat or store stormwater; and wastewater recycling structures constructed in dry land, detention and retention basins built for wastewater recycling, groundwater recharge basins, percolation ponds used in wastewater recycling, and water distribution systems used to recycle water.

Expected Impact of the Final Rule

In our view, the final WOTUS rule does expand federal jurisdiction over most waters under the CWA. The main thrust of this expansion comes from the new broad definition of a “tributary”. While the final rule has sorted out erosional features like ephemeral washes, gullies and puddles as not qualifying as jurisdictional waters, the focus will be on headwaters of riverine systems where small tributaries, adjacent waters and isolated wetlands and ponds will automatically become jurisdictional “waters of the U.S.” under the final rule and not be subject to any interpretational significant nexus analysis. However, many of these waters may, in fact, have a significant nexus to such jurisdictional waters and would be determined to be jurisdictional anyway under existing regulations. The larger issue is the final rule’s categorical determination that certain waters are *de facto* “waters of the U.S.” by rule without further analysis or due process.

Irrigation ditches in the Western U.S. typically have operational spills and overflows that flow back to a navigable water, interstate water, or territorial sea, either directly or indirectly through another water and as such, most will probably be considered “tributaries” and subsequently a “water of the U.S.” under the final rule. This means the final rule will not change how these ditches, canals and drainage ditches are treated under the current regulations. However, the EPA and the Corps, in July 2007 issued Regulatory Guidance Letter (RGL) 07-02 that provides a national approach for conducting exemption determinations for the construction and maintenance of irrigation ditches and the maintenance of drainage ditches consistent with Section 404(f) of the CWA. Section 404(f) specifically exempts from CWA permitting requirements discharges of dredged or fill material into “waters of the U.S.” associated with the construction and maintenance of irrigation ditches and maintenance of drainage ditches. The EPA and the Corps have used this RGL to interpret these CWA exemptions in many cases in the West and we will continue to work with the agencies to ensure this RGL remains in force after the final rule is put into effect.

Certain roadside ditches, swales, and other constructed water features may be excluded from CWA regulation under the final rule, but not all. The overly broad “tributary” definition continues to be a concern for those ditches that flow directly or indirectly through another water to a jurisdictional water, and making them a “water of the U.S.” especially if a ditch has perennial flow. The definition of a “tributary” specifically includes “man-altered or man-made” water bodies, including “ditches”. However, the final rule states that certain ephemeral ditches that are not a relocated tributary or excavated in a tributary will not be considered a “water of the U.S.” Intermittently flowing ditches that are not a relocated or excavated tributary or drain wetlands would also not be considered a “water of the U.S.” Also, the final rule excludes other ephemeral features that do not meet the definition of tributary, as well as non-wetland swales. Finally, excluded stormwater control features constructed in dry land could include certain

roadside ditches designed to capture and retain stormwater. While the final rule does not clearly exclude all such ditches from CWA regulation, it does potentially provide certain exclusions for several of these ditches.

For water recycling and reuse facilities constructed in dry land, detention and retention ponds, groundwater recharge and percolation basins, and recycled water distribution systems, it appears the agencies made the necessary changes in the final rule to accommodate excluding such infrastructure from CWA regulation.

Next Steps

While the final rule will be published in the *Federal Register* within the next two weeks, and go into effect 60-days from the date published, there are many activities pending, some that could change how or if the final rule stays in place.

EPA and the Corps are planning a broad webcast event on June 11 to reach out to affected stakeholders on the final rule. The agencies are also planning extensive regional outreach on the final rule in the future. EPA has stated that there will be no change in priorities with regard to enforcement, and all actions currently pending on CWA jurisdictional determinations and other activities will be completed under the current rule and not under the new final rule.

Congress is considering several pieces of legislation aimed at forcing the agencies to withdraw the final rule and restart an accelerated collaborative process with the states and other stakeholders to write and propose a new rule. [H.R. 1732](#) has passed the House and [S. 1140](#) is scheduled to be marked up by the Senate Environment and Public Works Committee this summer. Also, the House Energy and Water Development FY2016 Appropriations [bill](#) includes a provision defunding the Corps from implementing the final WOTUS rule. Both House bills have garnered a veto threat from the White House. While it will be difficult to gain the 60-vote margin to move any of these bills forward in the Senate, it will be almost impossible to attain the 67-vote margin to override a presidential veto. The more likely path forward would be a negotiated deal with the White House for a rider on a spending bill, but the Senate Energy and Water Development Appropriations Subcommittee did not include a similar rider in their bill, although an amendment was introduced and subsequently withdrawn by Sen. Hoeven (R-ND), showing that any policy rider on the topic remains controversial in the Senate.

Summary of Changes Made Between the Proposed and Final Rule

The EPA and the Corps received over 1 million comments on the proposed WOTUS rule. There are several significant changes made by the agencies in response to some of those comments between the proposed and final WOTUS rule³. These changes were generally made in the following four distinct subject areas:

Tributaries

³ All documents related to the proposed and final WOTUS rule are available at <http://www2.epa.gov/cleanwaterrule/documents-related-clean-water-rule>.

The final rule's definition of "tributary" retains many elements from the proposed rule (including ephemeral streams that flow only in response to rainfall or snowmelt), but reflects public comments in several important ways. In particular, the final rule emphasizes flow. The final rule defines "tributary" by emphasizing physical characteristics created by water flow and requiring that the water contributes flow, either directly or indirectly through another water to a traditional navigable water, interstate water, or the territorial seas. The final rule also attempts to be clearer regarding the jurisdictional status of certain ditches, and tries to clarify that wetlands and waters such as ponds and lakes that contribute flow to a traditional navigable water, interstate water, or the territorial seas but typically lack a bed and banks and ordinary high water mark could now be considered "adjacent" but not a "tributary."

- The final rule definition of "tributary" requires that flow must be of "sufficient volume, frequency, and duration to create the physical characteristics of bed and banks and an ordinary high water mark." If a water lacks sufficient flow to create such characteristics, it is not considered a "tributary" under the final rule. The final rule suggests that a feature that flows very rarely is not a tributary because it would not form the physical indicators required under the definitions of "ordinary high water mark" and "tributary." The final rule also now explicitly excludes from CWA jurisdiction "erosional features, including gullies, rills, and ephemeral features such as ephemeral streams that do not have a bed and banks and ordinary high water mark."
- Numerous commenters asked that the final rule define "bed and banks," which are physical characteristics called for under the definition of tributary. The final rule includes a definition of "bed and banks" adapted largely from longstanding EPA/Corps practice as well as from comments.
- Several commenters suggested that the final rule should add a definition of "ordinary high water mark." The final rule adds the Corps' existing regulatory ordinary high water mark definition to EPA's regulations. The agencies based their "significant nexus" determination for the covered tributaries, in part, on the amount of flow indicated where a tributary has both a bed and banks and another indicator of ordinary high water mark, so the rule continues to require both physical indicators clarifying the means to conclude that those indicators exist.
- Many comments recommended that wetlands, ponds, and lakes that contribute flow to a traditional navigable water, interstate water, or the territorial seas but lack a bed and banks and ordinary high water mark not be considered as tributaries, because of the importance of those physical characteristics to the definition. The proposed rule expressly sought comment on whether such waters should be considered as tributaries or as "adjacent waters," recognizing that it might add an element of uncertainty to the definition of "tributary" to include waters that lacked the physical features called for in the definition. In response, the final rule does not consider these waters to be tributaries, but defines covered adjacent waters to include wetlands, lakes, and ponds that connect segments of tributaries or that are at the head of the tributary system.

Adjacency and Significant Nexus Definitions

In the proposed rule, the EPA and Corps sought comment on a number of ways to address and clarify jurisdiction over “adjacent waters,” including establishing a floodplain interval and providing clarity on reasonable proximity as an important aspect of adjacency. The EPA and Corps have made some revisions in the final rule designed to more clearly establish boundaries on the scope of “adjacent waters” and to redefine “significant nexus”.

- In the final rule, “adjacent waters” are defined as waters, including wetlands, ponds, lakes, oxbows, impoundment, and similar waters, whether natural, man-altered, or manmade, which are bordering, contiguous, or neighboring a traditional navigable water, interstate water, territorial sea, tributary, or impoundment of the same, and that currently available science demonstrates possess the requisite connection to downstream waters and function as a system to protect the chemical, physical, or biological integrity of those waters. However, the final rule states that “adjacent waters” do not include waters that are subject to established normal farming, silviculture, and ranching activities as those terms are used in Section 404(f) of the CWA.
- Under the proposed and the final rule, “adjacent waters” are jurisdictional based on the conclusion that they have a “significant nexus” to traditional navigable waters, interstate waters, or the territorial seas, and there is no need for additional analysis. The EPA and Corps determined that “adjacent waters,” as defined, alone or in combination with other covered “adjacent waters” in a watershed have a significant nexus to a traditional navigable water, interstate water or the territorial seas and therefore are “waters of the United States” without the need for any additional analysis. However, the final rule also provides for case-specific analysis of some waters that do not meet the definition of “neighboring” established by the final rule.
- The proposed rule included wetlands, ponds, lakes, and impoundments that contribute flow, directly or indirectly, to the downstream traditional navigable waters, interstate waters, or the territorial seas in the definition of “tributary.” The EPA and Corps sought comment on whether to treat these waters as “adjacent waters” instead of tributaries, since they not only contribute flow, but they also border or are contiguous to the waters to which they contribute flow. In light of the comments, the EPA and Corps revised the definitions of “adjacent” and “tributary” to define these waters as “adjacent.”
- In the proposed rule, “neighboring” was defined to include waters located within the riparian area or floodplain of a traditional navigable water, interstate water, territorial sea, impoundment, or tributary; waters with a shallow subsurface hydrologic connection to a jurisdictional water; and waters with a confined surface hydrologic connection to a jurisdictional water. In response to comments, the final rule establishes a definition of “neighboring” which provides additional specificity requested by some commenters, including establishing a floodplain interval and providing specific boundaries from traditional navigable waters, interstate waters, the territorial seas, impoundments, and tributaries.

- The final rule defines as “neighboring”, waters that occur within 100 feet from the ordinary high water mark of traditional navigable waters, interstate waters, the territorial seas, tributaries and impoundments of the same.
- The final rule utilizes a specific floodplain and also establishes maximum distances for purposes of “neighboring.” In drawing lines, the EPA and Corps chose the 100-year floodplain in part because the Federal Emergency Management Agency (FEMA) and the Natural Resources Conservation Service (NRCS) together have generally mapped large portions of the United States, and these maps are publicly available, well-known and well-understood.
- Because the 100-year floodplain can be very wide in some areas of the country, particularly near large rivers, the EPA and Corps chose to provide some regulatory certainty by establishing a 1,500 foot maximum distance from jurisdictional waters for “neighboring” waters in the final rule. Waters within the 100-year floodplain to a maximum of 1,500 feet of the ordinary high water mark are adjacent without regard to the presence of berms or other barriers.
- However, because the science demonstrates that floodplain waters provide important functions for downstream waters, the EPA and Corps have established a provision under paragraph (a)(8) in the final rule (see *Isolated or “Other” Waters* below) for “case-specific” significant nexus evaluations of waters located in the 100-year floodplain of a traditional navigable water, interstate water, or the territorial seas beyond 1,500 feet and up to 4,000 feet away from the ordinary high water mark/high tide line of such waters. The final rule also establishes a separate “bright line” test for automatically including as jurisdictional those waters that occur within 1,500 feet of tidally-influenced traditional navigable waters or the territorial seas.
- The proposed rule defined “neighboring” to include waters with a surface connection to jurisdictional waters. The definition of “neighboring” in the final rule does not include a provision defining “neighboring” based on a surface hydrologic connection. However, waters with confined surface hydrologic connections are considered adjacent where they are bordering, contiguous, or neighboring a traditional navigable water, interstate water, the territorial seas, impoundment, or covered tributary.
- The proposed rule defined “neighboring” to include waters connected with a shallow subsurface connection. In response to comments, the final rule does not include a provision defining neighboring based on shallow subsurface flow, though such flow may be an important factor in evaluating a water on a case-specific basis under paragraph (a)(8) of the final rule, as appropriate.
- Some commenters expressed concern that the agencies’ proposed rule definition of “neighboring,” “riparian area,” and “floodplain” would mean that all land within the floodplain or riparian area would become regulated. In response, the

EPA and Corps have eliminated the definitions of floodplain and riparian area and have provided a definition of neighboring which provides that only waters, not land, in specified circumstances may be “waters of the United States.”

- The definition of "significant nexus" in the proposed rule was altered in the final rule to specifically enumerate factors, which independently or cumulatively, can establish a "significant nexus" to a “water of the U.S.”
 - "Significant Nexus" was defined in the final rule to mean "a water, including wetlands, either alone or in combination with other similarly situated waters in the region, significantly affects the chemical, physical, or biological integrity of [a traditional navigable water, interstate water, or territorial sea]. The term "in the region" means the watershed that drains to the nearest [of a traditional navigable water, interstate water, or territorial sea]. For an effect to be significant, it must be more than speculative or insubstantial. Waters are similarly situated when they function alike and are sufficiently close to function together in affecting downstream waters."
 - The term "significant nexus" identified the following aquatic functions as the basis for determining whether a significant nexus exists:
 - Sediment trapping,
 - Nutrient recycling,
 - Pollutant trapping, transformation, filtering, and transport,
 - Retention and attenuation of flood waters,
 - Runoff storage,
 - Contribution of flow,
 - Export of organic matter,
 - Export of food resources, and
 - Provision of life cycle dependent aquatic habitat for species located in a traditional navigable water, interstate water, or territorial sea.

Isolated or “Other” Waters

The final rule establishes two exclusive circumstances under which “case-specific” determinations will be made for whether a water has a “significant nexus” and is therefore a “water of the United States.” The proposed rule included a broad provision that allowed for a case-specific determination of significant nexus for any water that was not categorically jurisdictional or excluded. The EPA and Corps appear to have reduced the extent of waters subject to this individual review. The final rule provides for “case-specific” determinations under two more narrowly targeted circumstances based on the EPA and Corps’ assessment of the importance of certain specified waters to the chemical, physical, and biological integrity of traditional navigable waters, interstate waters, and the territorial seas.

- In the final rule, paragraph (a)(7) specifies the five subcategories of waters (Prairie potholes, Carolina and Delmarva bays, pocosins, western vernal pools in California, and Texas coastal prairie wetlands) that, if they are not otherwise jurisdictional under

paragraphs (a)(1) through (a)(6) of the final rule, the EPA and Corps determine to be “similarly situated” by rule.

- In the proposed rule the EPA and Corps sought comment on a number of options to address remaining waters that did not fit within the jurisdictional categories, including whether to conclude that other waters were “similarly situated” in certain areas of the country or whether to conclude that specified subcategories of waters were jurisdictional. The EPA and Corps have concluded in the final rule that waters within the five subcategories were “similarly situated” in the areas of the country in which they are located and are to be considered in combination in a “case-specific” significant nexus analysis.
- In the final rule, paragraph (a)(8) specifies that a water that does not otherwise meet the definition of adjacency is evaluated on a case-specific basis for significant nexus under this paragraph where it is located within the 100-year floodplain of a traditional navigable water, interstate water, or the territorial seas or within 4,000 feet of the high tide line or ordinary high water mark of a traditional navigable water, interstate water, the territorial seas, impoundment, or covered tributary.
 - Although these waters are not considered similarly situated by rule, waters under this paragraph can be determined on a case-specific basis to be similarly situated. This is a change from the proposed rule which would have allowed for a similarly situated analysis and significant nexus determination for any water, anywhere in the region. Under the final rule, the waters specified in paragraph (a)(7) and waters that meet the requirements in paragraph (a)(8) are the only waters for which a case-specific significant nexus determinations may be made.

Exclusions

The proposed rule categorically excluded existing exclusions from “waters of the United States” that were contained in the old rule (i.e., waste treatment systems and prior converted cropland) and added the following exclusions:

- Two types of ditches (those excavated wholly in uplands, drain only uplands, and have less than perennial flow and those that do not contribute flow, either directly or through another water, to a traditional navigable water, interstate water, the territorial seas or an impoundment of a jurisdictional water);
- Artificially irrigated areas that would revert to upland should application of irrigation water to that area cease;
- Artificial lakes or ponds created by excavating and/or diking dry land and used exclusively for such purposes as stock watering, irrigation, settling basins, or rice growing;
- Artificial reflecting pools or swimming pools created by excavating and/or diking dry land;
- Small ornamental waters created by excavating and/or diking dry land for primarily aesthetic reasons;

- Water-filled depressions created incidental to construction activity;
- Groundwater, including groundwater drained through subsurface drainage systems; and
- Erosional features, including gullies, rills and other ephemeral features that do not meet the definition of tributary, and non-wetland swales.

The final rule expands exclusion for some ditches, and also excludes constructed components for Municipal Separate Storm Sewer Systems (MS4s) and recycled water delivery/reuse and erosional features. The final rule excludes as “waters of the U.S.” the following features:

- Ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary;
- Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands;
- Puddles;
- Water-filled depressions created in dry land incidental to mining or construction activity, including pits excavated for obtaining fill, sand, or gravel that fill with water;
- Artificial, constructed lakes and ponds, including farm ponds, settling basins, flooded rice fields, log cleaning ponds, and cooling ponds all created in dry land;
- Specific land being directly irrigated that would revert to dry land should irrigation cease (it is not the case, however, that all waters within watersheds where irrigation occurs are exempt);
- Groundwater, including groundwater drained through subsurface drainage systems;
- Erosional features, including gullies, rills, and other ephemeral features that do not meet the definition of tributary, non-wetland swales, and lawfully constructed grassed waterways;
- Stormwater control features constructed to convey, treat, or store stormwater that are created in dry land; and,
- Wastewater recycling structures constructed in dry land; detention and retention basins built for wastewater recycling; groundwater recharge basins; percolation ponds built for wastewater recycling; and water distributary structures built for wastewater recycling.

Conclusion

The final WOTUS rule will continue to be reviewed, analyzed, and interpreted over the next several months. As mentioned above, the Congress will also be engaged most of the summer on legislative strategies that could impact the implementation of the final rule. We will continue to keep you informed as those activities progress.

While this memo has attempted to address some of the more important issues surrounding this controversial final rule, we have not discussed or covered all of the possible issues you or your organization may have in reviewing how the final rule affects your specific situation. Please do not hesitate to call on your TFG client manager if you have any questions or additional concerns about the final WOTUS rule.