

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

Monday, January 25, 2016

Agenda

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

11:45 a.m.

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

	1.		Call to Order and Self Introductions
Page 1	2.	Action	Approval of Agenda
	3.		Public Comments
Pages 2 – 3	4.	Action	Consent Items a. December 14, 2015 TAC Meeting Minutes
Page 4 Page 5	5.	Information	Report from the Program Manager a. Action Items from December 14, 2015 Meeting
	6.	Discussion	Recap Board Meeting
	7.	Discussion	Budget Impacts for FY2016/17 and FY2017/18, and Possible TAC Conference Call in February 2016 to Discuss 2-Year Budget
Pages 6 - 8	8.	Action	Request from NBWA to Provide Phase 1 GIS Data to Update NBWA Fact Sheet
	9.	Information	Items from Committee, Agency Staff, or Consultants
	10.	Information	Items for Next Agenda (March 28, 2016 at Novato City Hall Council Chambers)

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

**North Bay Water Reuse Authority
Technical Advisory Committee
Meeting Minutes
December 14, 2015**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 11:44 a.m. on Monday, December 14, 2015. The meeting was held at Novato City Hall Council Chambers, 901 Sherman Avenue, Novato, CA 94945.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Kevin Booker	Sonoma Valley County Sanitation District
Sandeep Karkal	Novato Sanitary District
Susan McGuire	Las Gallinas Valley Sanitary District
Drew McIntyre	North Marin Water District
Phillip Miller	Napa County
Jake Spaulding	Sonoma County Water Agency
Dan St. John	City of Petaluma

Others Present

Chuck Weir, Program Manager	Weir Technical Services
Ginger Bryant	Bryant & Associates
Mark Millan	Data Instincts
Mike Savage	Brown and Caldwell
Jeff Tucker	Napa Sanitation District

2. Approval of the Agenda

The Agenda was unanimously approved.

3. Public Comments

There were no public comments.

4. Consent Calendar

4.a October 26, 2015 TAC Meeting Minutes

4.b November 18, 2015 TAC Web Conference Minutes

October 26, 2015 and November 18, 2015 Meeting Minutes were unanimously approved.

5. Report from the Program Manager

The Report from the Program Manager included the following items:

5.a Action Items from the October 26, 2015 Meeting

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

6. Recap Board Meeting

The TAC reviewed the Board meeting and noted that the Board approved the change in the Program to include non-Title XVI projects. As an action item the Board approved changing the

March 28, 2016 meeting to include both Board and TAC meetings. As an action item, the Program Manager will check with City of Novato to see if the Council Chambers are available. As an action item the Board requested information on non-Title XVI state and federal funding opportunities. As an action item the Board and TAC requested information on SB 163 (Hertzberg), which may prohibit wastewater discharges to the ocean and enclosed bays and estuaries. Lastly as an action item all requested changes to the Phase 2 project list are due to Brown and Caldwell by December 24, 2015.

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

There were no additional items discussed. Mark Millan asked the TAC to approve a \$500 sponsorship level for the March 13-15, 2016 WateReuse Conference in Santa Rosa. Brown and Caldwell will provide an NBWRA Booth at the conference and TAC members and encouraged to donate an hour to serving in the booth. As action items, the \$500 was unanimously approved by the TAC, and a signup sheet will be distributed to serve in the NBWRA booth.

9. Items for Next Agenda, January 25, 2016 at Novato City Hall Council Chambers

Action items included the following:

1. The Board will consider approving the final list of Phase 2 projects for the feasibility analysis.
2. Consultant team will present possible budget impacts for FY2016/17 as a result of expanding the program to include non-Title XVI projects in the EIR/EIS project analysis.
3. Hold a joint Board/TAC Work Session to focus on Alternatives for Engagement and Participation.

There being no further business, Chair Healy adjourned the meeting at 12:03 p.m.

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Page 1

Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
January 25, 2016

ITEM NO. 5 REPORT FROM THE PROGRAM MANAGER

The Report from the Program Manager includes the following items:

5.a Action Items from December 14, 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. Recap Board Meeting

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

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

Assuming that the Board approves the Phase 2 Project List there are budget impacts for FY2016/17 and FY2017/18 that should be discussed by the TAC. The consultant team will outline the rationale for the impacts and the TAC can provide direction for developing revised scopes and costs. The TAC should consider scheduling a conference call in February to further discuss budget impacts and the prospects for developing a two-year budget for FY2016/17 and FY2017/18.

8. Request from NBWA to Provide Phase 1 GIS Data to Update NBWA Fact Sheet

Please refer to the attached email from Harry Seraydarian and the current NBWA Fact Sheet. NBWA has requested GIS data so they can have their contractor incorporate Phase 1 pipelines in their fact sheet. This information belongs to the agencies and their approval is required before the consultant team provides any information to NBWA. The TAC should consider whether or not to provide GIS data or just provide pdf versions of the pipelines. Pipelines shown in the current fact sheet would be difficult to see due to the scale.

NBWRA Board and TAC Short-Term Action Item List

Meeting Date: December 14, 2015

Task	Responsible Party	Due Date	Status	Completion Date
Conduct workshop on goals and objectives, pros and cons or expanding program and membership at December 14, 2015 meeting.	Consultants/TAC	12/9/2015	Completed.	12/14/2015
Board consider proposed plans for workshops and combined Board/TAC meetings through end of FY15/16	Consultants	12/9/2015	Completed. Board approved the March 28, 2016 meeting as Board and TAC meetings.	
Joint Board/TAC Work session on January 25, 2016 to focus on Alternatives for Engagement and Participation.	Consultants (Bryant lead)	1/19/2016	Work Session scheduled.	
Amend the agreement with Brown and Caldwell to delete the Triple Bottom Line section in the scope and to reduce the agreement by \$24,000 for the previously approved transfer of funds to the Bryant & Associates agreement	SCWA	11/30/2015	In process.	
Check to see if City Hall is available March 28, 2016.	Weir	12/15/2015	Completed. Room is available and added to agreement.	12/15/2015
Finalize List of Phase 2 Projects for Feasibility Study	Board, TAC, Consultants	12/24/2015	List is complete. Projects listed as Title XVI EIR/EIS, non-Title XVI EIR/EIS, and programmatic. No additional changes. Final list to be presented to Board for approval on January 25, 2016.	
Present possible budget impacts for FY2016/17 at January 25, 2016 Board meeting.	Consultants	1/19/2016	Possible budget impacts as a result on including non-Title XVI EIR/EIS analysis. Discuss with TAC first on January 25, 2016.	
Provide information on non-Title XVI funding opportunities at January 25, 2016 meeting.	Bryant and Onate-Quintana	1/19/2016	To be included in January 25, 2016 agenda packet.	
Provide information on SB 163 (Hertzberg), prohibition of wastewater discharge to ocean and possibly SF Bay.	Bryant and Onate-Quintana	12/15/2015	Completed. Information sent December 15, 2015 and included link to bill and WaterReuse letter. NBWRA and WaterReuse letters distributed.	12/15/2015
Consider topics and tours for the 2016 WaterReuse Conference in Santa Rosa as well as consider sponsorship opportunities. NBWRA sponsorship. TAC service in NBWRA booth.	TAC and Consultant Team	Ongoing	In process. TAC approved sponsorship level of \$500. B&C to provide NBWRA Booth. TAC members encouraged to serve in booth. Sign-up sheet will be distributed.	
Amend B&C Agreement and transfer \$24,000 to Bryant agreement. Amend B&C Agreement to incorporate not to exceed \$110,000 for seasonal storage analysis, with no change to agreement total or approved NBWRA Budget	SCWA	8/15/2015	Bryant amendment completed. TAC approved modifications for B&C agreement for seasonal storage analysis. Chair approved modification to add \$25,000 for outreach from TBL funds. Additional modifications under consideration for Board approval on October 26, 2015.	
Use Skype if Pilar cannot attend meetings.	B&C, Weir	9/21/2015	In process	
Share notices regarding conference presentations and award programs with the TAC.	All	Ongoing		

From: Harry Seraydarian <harryser@comcast.net>
Sent: Tuesday, September 29, 2015 11:36 AM
To: chuckweir@sbcglobal.net
Subject: NBWA Fact Sheet Update
Attachments: Fact Sheet-mark up.pdf

Chuck,

Good talking to you.

As I mentioned we are updating our 2010 fact sheet(attached) for the next conference.

Keith Caldwell suggested we add “purple pipe” to the map to emphasize efforts on recycling.

Is that something that could be provided easily in some GIS form for our contractor to include in update?

Let me know.

Harry



*Working across boundaries to
foster stewardship of water resources
in the San Francisco North Bay*

The North Bay Watershed Association

The North Bay
V green jewel at the top of San Francisco Bay

The North Bay is the most rural part of the Bay Area, with expansive open spaces and a relaxed pace of life. Beyond the Highway 101 corridor along the west side of the North Bay, there are large public parks, vineyards and ranches, and small towns rich in history. The North Bay's waterways harbor populations of steelhead trout, now rare throughout California, and many other species of birds, plants, and animals, whose survival depends on the safe-keeping of natural places. More of the North Bay's people use water from local sources than elsewhere around the Bay.

The North Bay watershed covers eastern Marin County, southern Sonoma County, southern Napa County, and portions of Solano County. The watershed is defined by the valleys around its streams. The 2065 miles of streams that flow through the watersheds of the North Bay include:

- the small urbanized creeks of Marin County
- the windings tidal Petaluma River
- Sonoma Creek in the Valley of the Moon
- the Napa River, our largest stream

Most water source areas and lands around streams are privately owned. Therefore, efforts to improve watershed health must focus on coordination, education, and obtaining voluntary buy-in.

The North Bay offers great opportunities for environmental restoration, and the promise of achieving sustainable water management.

The North Bay Watershed Association was created to promote stewardship of the North Bay watershed by assisting local and regional public agencies to work together on water issues that cross traditional boundaries. Member agencies discuss issues of common interest, explore ways to collaborate on regional water projects, and share information about projects, regulations, and technical issues.

*Meetings are open to interested parties.
See the meetings page of our website
for the schedule.*

Join Us

Watershed Facts

- North Bay watersheds cover 850 mi.² or 25% of local watersheds draining into the bay.
- Nearly a half-million people live in the North Bay, less than 8% of the population of the entire Bay area.
- Water supply includes both substantial imports and many private wells.
- Water quality in most streams is adequate to support steelhead, but ~~the~~ legacy of land use ^{includes} excess erosion and high sediment levels.

See the map **INSIDE**
to learn more about
the North Bay.



The North Bay...

where people still have the opportunity for a high quality of life while preserving the ecosystems and watersheds that support it.

North Bay Watershed Association

Goals

- Influence public policies, programs & regulations
- Work collectively on issues of common interest
- Increase eligibility for watershed project funding
- Educate communities about the importance of watershed stewardship



Benefits

- Respond proactively and collectively to regulations
- Share information and resources among members
- Shape new regulations with a unified strong voice
- Reach a broader audience with education campaigns

to the North Bay

- Better water quality
- More reliable water supply
- Better educated citizenry
- Improved habitat in our streams and watersheds

to Watershed Council members

- Financial support for projects
- Access to decision makers
- Network and partner with like-minded organizations

Brochure editors: Cathie Connell (Sonoma Ecology Center), Peter Voser (The Bay Institute), Mary Ann Young (SEI), Research, Peter Voser, Phoebe Richard Dale (SEI), Shadi Fink (SEI), Design: Cathie Connell, Arden Dawson (SEI), Printing: Business Communications Resources, Lumbville.

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What We Have Achieved

The North Bay Watershed Association ~~has~~ improved the management of the North Bay's water resources through many projects.

Research

- Created a consistent approach to measuring watershed health across the diverse North Bay.

Restoration

- Enhanced instream, riparian, and upland habitats in all watersheds, and reduce runoff from developed areas, to achieve regulatory water quality targets.

Policy

- Helped water agencies design projects that achieve multiple benefits, such as water supply and habitat, or groundwater recharge and stormwater management.

Coordination

- Coordinated multi-agency water planning in the North Bay and in the Bay Area. Because of NBWA, the North Bay is considered a leader in forging agreements among agencies on priorities for watershed management.

Education

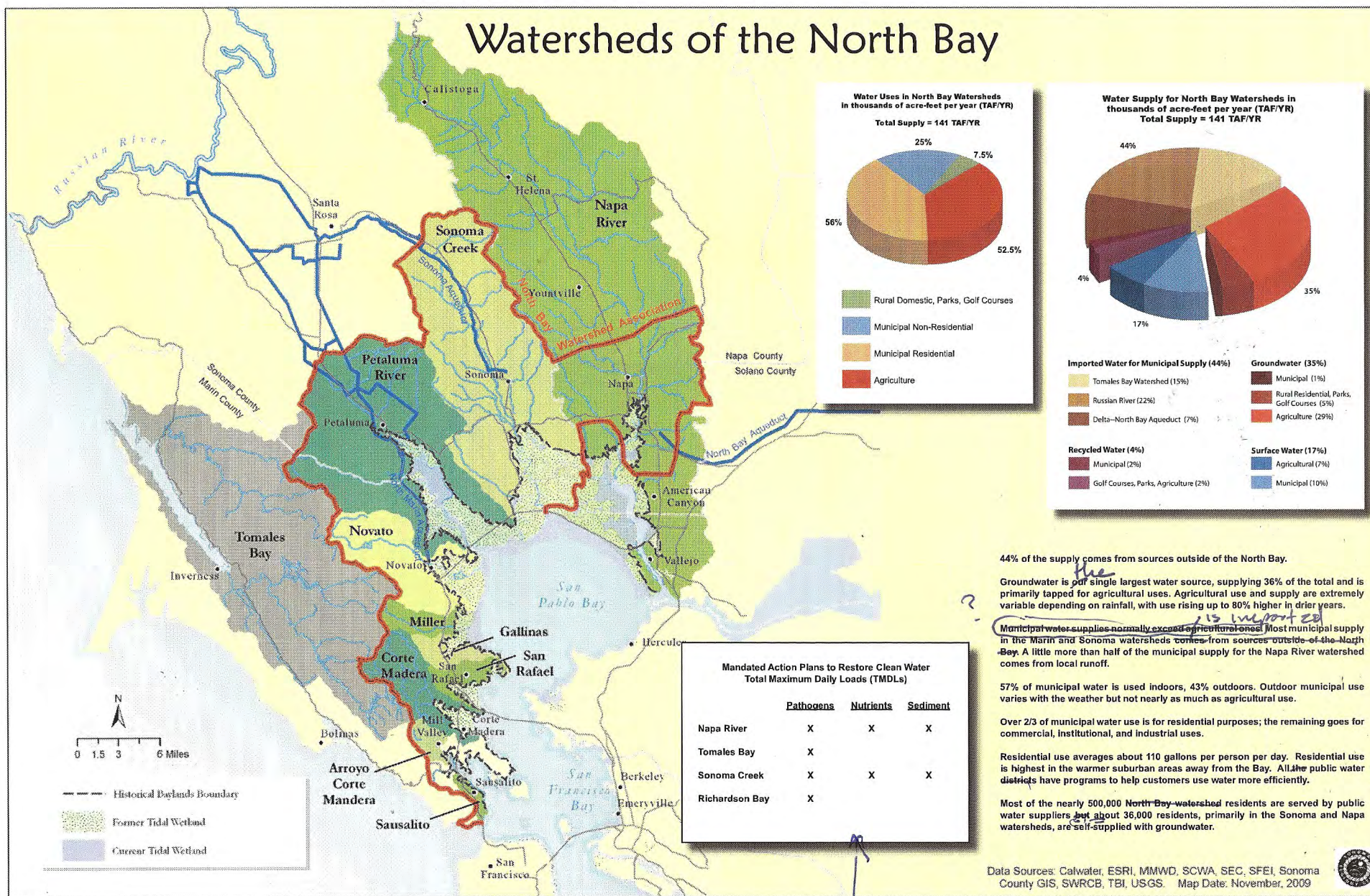
- Biannual conference with cutting-edge speakers
- Involved children in restoration and monitoring of local creeks
- Supported high school pollution prevention program

The Association sponsors the North Bay Watershed Council, a roundtable of nonprofits, regulatory agencies, community groups, and landowner assistance groups from every watershed in the NBWA region. The Council provides input to the Association, benefits from the Association's support, and translates the Association's objectives into actions in communities and watersheds across the North Bay. For a list of Watershed Council members and NBWA member agencies see www.nabwa.org

do we DO?
Tent

not a definition
climate action

Watersheds of the North Bay



44% of the supply comes from sources outside of the North Bay.

Groundwater is our single largest water source, supplying 36% of the total and is primarily tapped for agricultural uses. Agricultural use and supply are extremely variable depending on rainfall, with use rising up to 80% higher in drier years.

Municipal water supplies normally exceed agricultural uses. Most municipal supply in the Marin and Sonoma watersheds comes from sources outside of the North Bay. A little more than half of the municipal supply for the Napa River watershed comes from local runoff.

57% of municipal water is used indoors, 43% outdoors. Outdoor municipal use varies with the weather but not nearly as much as agricultural use.

Over 2/3 of municipal water use is for residential purposes; the remaining goes for commercial, institutional, and industrial uses.

Residential use averages about 110 gallons per person per day. Residential use is highest in the warmer suburban areas away from the Bay. All the public water districts have programs to help customers use water more efficiently.

Most of the nearly 500,000 North Bay watershed residents are served by public water suppliers, but about 36,000 residents, primarily in the Sonoma and Napa watersheds, are self-supplied with groundwater.

? DROP