

NORTH BAY WATERSHED ASSOCIATION

Minutes for the meeting of the North Bay Watershed Association (NBWA) Board of Directors.

Date: February 5, 2015
Time: 9:30 a.m.
Location: Petaluma (Lucchesi) Community Ctr., 320 N. McDowell Blvd.,
Petaluma, CA 94954-Conf. Rm. 2

Directors Present:

| <u>Board Member</u> | <u>Agency/Organization</u> | <u>Board Member</u> | <u>Agency/Organization</u> |
|---------------------|---|---------------------|---------------------------------|
| Jack Baker | North Marin Water District | Damon Connolly | County of Marin |
| Keith Caldwell | Napa Sanitation District | Madolyn Agrimonti | City of Sonoma |
| Judy Schriebman | Las Gallinas Valley Sanitary District | Paul Jensen | City of San Rafael |
| Brant Miller | Novato Sanitary District | Pam Drew | City of Novato |
| Jack Gibson | Marin Municipal Water District | Michael Boorstein | Ross Valley Sanitary District |
| Mike Healy | City of Petaluma | Sandeep Karkal | Novato Sanitary District |
| Adrian Cormier | Bel Marine Keys Community Services District | Frank Egger | Central Marin Sanitation Agency |

Directors present represented 14 out of the 18 agencies signatory to the Association MOU.

Board Actions:

1. **Call to Order.** Jack Gibson, Chair, called the meeting to order at 9:33 a.m and introductions followed.
2. **Public Comment.** None.
3. **Approval of the Agenda.** (See Handout) The Board unanimously approved the agenda.
4. **Approval of the Minutes of the Board Meeting held January 8, 2016.** (See Handout) The Minutes of the Board Meeting held on January 8, 2015 were unanimously approved.
5. **Treasurer's Report.** (See Handout) The Treasurer's Report was accepted as presented by Judy Kelly.
6. **Game of Floods.** Chris Choo, Marin County Public Works, provided a PowerPoint about the background on Game of Floods. She then introduced Roger Leventhal, Marin County Flood Control, who discussed the elements of the "game". Roger explained the game arose out of Marin's shoreline vulnerability study which includes a vulnerability assessment and adaptation options. Roger described the three major adaptation strategies and components for flood and sea level rise adaptation as 1) protection, 2) accommodation, and 3) managed retreat. Roger walked through a number of examples of protection options both hard (sea walls, levees, flood wall & pump station, tidal gates) and soft (horizontal ecotone levees, wetland/shoreline vegetation, tidal wetlands and eco levees, engineered beaches, offshore structures) and presented pros and cons for each. Roger also covered infrastructure and lifestyle changes with a number of examples (elevate buildings, floodable development, new elevated roads). He then presented some cost estimates for the various options. Roger explained how the Game of Floods has been presented and played in Marin County and talked about the latest version that shows a game board called the "North Bay Island". Chris described the communities on the island, game steps, and approach to costs that would be used in the game. [See posted presentation for details]. The NBWA Board members then split into three groups -- with Chris Choo, Roger Leventhal, Greg Andrew, and Caitlin Cornwall facilitating -- and spent the following hour debating responses to the flood risks identified on the map [i.e. the game board for the Game of Floods]. Members discussed areas of risk and what approaches could be applied to reduce risk. Each of the three teams approached the game from a slightly different perspective but discussion was lively within each group. At the end of the hour, each of the three groups reported out on their team's approach and lessons learned. All three groups arrived at consensus approaches. Groups noted the surprising complexity of the alternatives and the need to move thoughtfully through decision-making. Costs for solutions ranged from \$120 million to nearly a billion dollars depending on the solutions applied to each risk area. All remarked that while "real life" situations in the North Bay could be inferred from the map, it was better to have a theoretical place to attend to as it made decision-making for purposes of the game more dispassionate. Roger and Chris encourage the Board members to follow up within their own agencies and set up a game workshop locally. The game board, the pieces, and instructions are downloadable from www.MarinSLR.org.
7. **Items for Next Agenda.**

- * Trash/Stormwater project proposal for NBWA funding
- * Surviving the Storm – Adrian Covert, Policy Director, Bay Area Council
- * 2016-2017 Budget review and approval

Jack Gibson, Chair, adjourned the meeting at 11:27 a.m.

SUBJECT TO BOARD APPROVAL
Submitted By: Judy Kelly,
Executive Director

NEXT MEETING INFORMATION:

March 4 – Novato Sanitary District
500 Davidson St. Novato, CA 94945