



## **Marina Coast Water District**

Regular Board Meeting/Groundwater Sustainability Agency Board Meeting  
August 7, 2017

Draft Minutes

### 1. Call to Order:

President Gustafson called the meeting to order at 6:30 p.m. on August 7, 2017 at the Marina Council Chambers, 211 Hillcrest Avenue, Marina, California.

### 2. Roll Call:

Board Members Present:

Howard Gustafson – President  
Thomas P. Moore – Vice President  
Bill Lee  
Jan Shriner  
Herbert Cortez

Board Members Absent:

None

Staff Members Present:

Keith Van Der Maaten, General Manager  
Roger Masuda, Legal Counsel  
Michael Wegley, District Engineer  
Kelly Cadiente, Director of Administrative Services  
Jean Premutati, Human Resources/Customer Relations Manager  
Paula Riso, Executive Assistant/Clerk to the Board

Audience Members:

Ian Gottschalk, Stanford Research	Bruce Delgado, Marina Mayor
Curtis Hopkins, Hopkins Groundwater Consulting	Dave Stoldt, MPWMD
Phil Clark, Seaside Resident	Ron Weitzman, Public Water Now
Andrew Sterbenz, Schaaf & Wheeler	Margaret-Anne Coppennoll, Marina Resident
Mike McCullough, Monterey One Water	Layne Long, Marina City Manager
Paula Pelot, Marina Resident	Marc Del Piero, Attorney
George Riley, Public Water Now	Gail Morton, Marina Councilmember

3. Pledge of Allegiance:

President Gustafson led everyone present in the pledge of allegiance.

4. Oral Communications:

None.

5. Marina Coast Water District Groundwater Sustainability Agency Matters

A. Presentations:

1. Receive Presentations from Stanford University and the District's Hydrogeologist on the Preliminary Results of the Airborne Electromagnetic Survey of the Salinas Valley:

Mr. Keith Van Der Maaten, General Manager, introduced this item and gave a brief background on the project. He explained that as a State designated Groundwater Sustainability Agency, the District is involved in many efforts to protect the water we have today as well as prepare for the future. Mr. Van Der Maaten said the District is involved in the RUWAP Recycled Water Project, the Armstrong Ranch Surface Water Project, and additional studies looking at groundwater supplies for the future. He added that in May 2017, the District utilized geophysics through an airborne electromagnetic (AEM) survey to map the distribution of salt and freshwater in the northern Salinas Valley.

Mr. Ian Gottschalk, Stanford Research, gave a presentation on the process of the AEM survey performed in May 2017 by a helicopter operated by Aqua Geo Frameworks in conjunction with Stanford University. He explained how the AEM was flown about 100 feet above the ground and penetrated to a depth of about 1,000 feet depending on conditions. Mr. Gottschalk explained that when the electric current is cut off, it generates a magnetic field that propagates into the ground, and in return, the ground generates a magnetic field that propagates back to the AEM unit. He stated that this allows them to see what the electro conductivity is at the different depths, and this shows where saltwater and freshwater are under the ground. Mr. Gottschalk noted in his graphs, that the freshwater, which was most resistive, is colored in blue, and the saltwater, which is least resistive, is colored in red, while the colors in between show the different levels of saline in the water.

Mr. Curtis Hopkins, Hopkins Groundwater Consulting, gave a presentation on the preliminary results of the AEM survey. He explained that this survey was successful and will be useful in groundwater basin management and will guide the District with future monitoring wells and groundwater well locations and depths. Mr. Hopkins noted that the survey shows the Cemex sand mining facility providing higher levels of saltwater due to their dredging, but once the Cemex plant stops mining in 2020, the freshwater will flow more towards the ocean. He said that this could cause issues for the proposed Monterey Peninsula Water Supply Project (MPWSP) which is relying on higher saltwater levels for their desalination plant. The MPWSP cannot remove freshwater from the Salinas basin and send it to the Peninsula.

Agenda Item 5-A1 (continued):

Mayor Bruce Delgado, City of Marina, questioned if there was a way to show where the MPWSP intake wells would be located, and the cones of depression created by the intake wells.

Mr. Ron Weitzman, Public Water Now, asked if they could map freshwater under the ocean. Mr. Gottschalk answered that it could be done.

Mr. Marc Del Piero, Attorney for Ag Land Trust, commented that they have many monitoring wells and they would be more than pleased to provide any results on water quality from their wells. He added that this survey shows that if you pump in the 180' aquifer, you will pollute the 400' aquifer.

Mr. George Riley, Public Water Now, stated that comments to the MPWSP Environmental Impact Report (EIR) claiming that Cemex was causing issues with their dredge pond by creating the influence of saltwater, were denied as false. He asked if this survey indeed shows them to be true. Mr. Hopkins answered it did.

Vice President Moore questioned how long the monitoring wells were in place before the test slant well for the MPWSP desalination plant. Mr. Hopkins stated that they were in place for about 7 weeks before the test well started drawing water. Vice President Moore commented that the MPWSP cannot take freshwater from the Salinas Basin and the EIR shows they will need to pull over 27,000 acre feet of source water from the Cemex property. He asked if they had an agreement to return all freshwater to Castroville. Mr. Hopkins answered that they had an agreement for a certain amount, but they have an obligation to return freshwater that's produced, and based on geophysics, it should be returned to the same area of the basin it is removed from. Vice President Moore said that he doubts Castroville could use the large amount of water that needs to be returned and questioned if they were planning on reinjecting it back into the basin. He stated that if there is a large amount of freshwater being pulled into the slant wells, even more would need to be pumped to get the amount needed for the Peninsula which could result in the Peninsula paying for four times the amount of water they are receiving.

Director Shriner complemented the presenters on their great presentations and keeping it simple for everyone to see what is under our feet. She asked why there was such a difference in the County's seawater intrusion map and the map of information gathered from the survey. Mr. Hopkins answered that it was because they used monitoring well information and have to infer what is in between the wells.

Vice President Moore asked if the water pumped east of the shoreline was pure saltwater, could the Marina Coast Water District use it. Mr. Hopkins answered that they could if they desalinated it. He asked how far apart the AEM electromagnetic pulses were. Mr. Gottschalks answered about 100 feet apart.

President Gustafson recessed the meeting from 7:58 to 8:07 p.m.

B. Action Item:

1. Consider Adoption of Resolution No. 2017-GSA03 to Approve a Consultant Contract to Assist with Stakeholder Coordination and the Initial Groundwater Sustainability Plan Preparation:

Mr. Michael Wegley, District Engineer, introduced this item stating that this item is because the District is a Groundwater Sustainability Agency and there will be a need for assistance with coordination of stakeholders and help with a Plan preparation. The Board asked clarifying questions.

Vice President Moore made a motion to adopt Resolution No. 2017-GSA03 to Approve a Consultant Contract to Assist with Stakeholder Coordination and the Initial Groundwater Sustainability Plan Preparation. Director Lee seconded the motion. The motion was passed.

Director Shriner	-	Yes	Vice President Moore	-	Yes
Director Lee	-	Yes	President Gustafson	-	Yes
Director Cortez	-	Yes			

6. Return to Marina Coast Water District Matters:

7. Action Item:

- A. Consider Adoption of Resolution No. 2017-50 to Authorize the General Manager to Submit an Application and Execute a Grant Agreement with the United States Bureau of Reclamation for a WaterSMART: Title XVI Water Reclamation and Reuse Program Grant for the Regional Urban Water Augmentation Project:

Ms. Kelly Cadiente, Director of Administrative Services, introduced this item and stated that there are only \$10 million in grants available this go around and even if the District doesn't get a grant in this attempt, there will be another opportunity in November. The Board asked clarifying questions.

Director Shriner made a motion to adopt Resolution No. 2017-50 to authorize the General Manager to submit an application and execute a Grant Agreement with the United States Bureau of Reclamation for a WaterSMART: Title XVI Water Reclamation and Reuse Program Grant for the Regional Urban Water Augmentation Project. Vice President Moore seconded the motion. The motion was passed.

Director Shriner	-	Yes	Vice President Moore	-	Yes
Director Lee	-	Yes	President Gustafson	-	Yes
Director Cortez	-	Yes			

8. Public Comment on Closed Session Item:

None.

The Board entered into closed session at 8:20 p.m. to discuss the following item:

9. Closed Session:

- A. Pursuant to Government Code 54957  
Public Employee Performance Evaluation  
Title: General Manager

President Gustafson reconvened the meeting to open session at 8:48 p.m.

10. Reportable Actions Taken during Closed Session:

President Gustafson stated that no reportable action was taken.

11. Board Member Requests for Future Agenda Items:

President Gustafson noted that any requests could be emailed to staff.

12. Director's Comments:

Director Shriner, Director Cortez, Vice President Moore, and President Gustafson made comments.

13. Adjournment:

The meeting was adjourned at 8:49 p.m.

APPROVED:

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Howard Gustafson, President

ATTEST:

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Paula Riso, Deputy Secretary