



## MINUTES OF SPECIAL MEETING OF THE BOARD OF COMMISSIONERS

November 15, 2018

The meeting was called to order at 10:00 a.m.

North City Water District Board Room.

### **Commissioners Present**

Commissioner Charlotte Haines  
Commissioner Ron Ricker

### **Staff Present**

Diane Pottinger, District Manager  
Denny Clouse, Operations Manager  
Joe Bennett, District Attorney

Dave Harms, BHC Consultants, was also present.

### **OLD/NEW BUSINESS**

#### **a. Hydraulic Modeling Results**

Mr. Clouse reviewed the many Board meetings we had had this year discussing the results of the hydraulic modeling. Mr. Harms discussed how the hydraulic model was calibrated, the information that was used and how they were able to simulate the existing water system demands and pressures. He talked about the existing and future land uses, how the population forecast was used along with the water system demands to help predict what the future water use would be. Mr Clouse discussed some of the proposed capital improvement projects from the current water system plan, many of which were proposed to either improve the fire flow or the water quality. Mr. Harms recapped the development process that we undertook to identify how we could improve the same criteria. Had we continued the path we had been going down, it would have been very costly to improve the SE area of the system because it would have required a substantial amount of 12 inch water mains to be installed. Instead, a shifting of the existing pressure zones was proposed and using Lidar technology, we were able to identify how the different pressure zones would work in the SE area of the District. By trial and error, it appeared that connecting the existing 505 pressure zone at the north of the District and combining it with a proposed 515 zone in the southern boundary would improve not only the fire flow but also the water quality. The modeling effort identified seven projects that would require to be completed prior to creating this new pressure zone. After much discussion with the Board, the commissioners concurred with management's approach to continue down this path of development and prepare the capital facilities plan to include these projects.

### **ADJOURNMENT**

The meeting concluded at 10:58 a.m.

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Charlotte Haines

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Ronald Ricker

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Position 2: Vacant