Board of Municipal Utilities
Work Session Minutes
May 16, 2017
201 Miller Road
Avon Lake, Ohio

The work session was called to order at 6:03 PM.

Present: Mr. Dzwonczyk, Mr. Rickey, Mr. Rush and Mrs. Schnabel.

Excused: Mr. Phillips.

Also present: CUE Danielson, WFP Manager Yuronich, Mayor Zilka, Councilmember Fenderbosch, Lamalani Siverts, Banafsheh Khakipoor, Nicole Huerner, and Cheryl Arnold.

Banafsheh Khakipoor and Lamalani Siverts are Ph.D. students at the University of Akron and are each partially supported by Avon Lake Regional Water. At the request of the Board, they presented about their research to date and where they intend to direct it during their remaining three years in the program. Ms. Siverts is working to identify simple, low-cost indicators to predict algal blooms, especially toxic algal blooms, and is looking within the biological food web. Ms. Khakipoor is working to develop a low-cost neural network sensor system to better predict where algal blooms and/or "dead zones" are travelling. The work is relevant to Avon Lake Regional Water because we have been beginning to detect algal toxins at times in the water coming into our water filtration plant. We are able to easily remove the levels detected, but do not want to have an event similar to other utilities in 2014. Dead zone issues are more frequent in Lake Erie's Central Basin, and predicting their potential would better prepare us to respond before the event occurs. Members were interested in their research and asked for them to provide another update in about six months.

The CUE then provided members with an overview of the bulk water agreements Avon Lake Regional Water currently has.

The work session adjourned at 6:42 PM.

Approved June 6, 2017

John G. Dzwonczyk, Chairman   Todd A. Danielson, Clerk