

**PROCEEDINGS OF THE CENTRAL BROWN COUNTY WATER AUTHORITY**  
**TECHNICAL COMMITTEE**

Pursuant to Section 19.84 Wis. Stats, a regular meeting of the **Central Brown County Water Authority – Technical Committee** was held on Tuesday, July 11, 2017 at the Municipal Service Building Conference Room – 925 6<sup>th</sup> Street, DePere, WI

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Present: Allouez-Berndt, Bellevue-Geiger, DePere-Thoresen,  
Howard-Farr (arrived 1:45), Lawrence-Minton, Ledgeview-Tenor  
Also Present: Dave Vaclavik-Manager  
Gary Rosenbeck – McMahan, Inc.  
Rob Michaelson – MPU

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The July 11, 2017 Central Brown County Water Authority-Technical Committee was called to order at 1:35 p.m. by Chairman Scott Thoresen.

**Roll Call**

Call the Roll for Attendance. Roll Call taken as recorded above.

**Approval of the Agenda**

**Motion made by Allouez, seconded by Lawrence to approve the agenda.**  
**MOTION UNANIMOUSLY APPROVED**

**Approval of Minutes**

June 13, 2017

**Motion made by Lawrence, seconded by Allouez to approve the minutes.**  
**MOTION UNANIMOUSLY APPROVED**

**Appearances** - None

**Communications** – None

**Agenda Items:**

1. **Operations Discussion Regarding Use of Water Storage Facilities:**  
Gary Rosenbeck stated that use of water storage facilities was first reviewed in the fall of 2016. Giving details of the study, Rosenbeck stated that the first scenario was to look at minimum power/consumption and operating costs. Various models were used resulting in a conclusion that they were able to draw 10 feet on the tank and fill it back up at night. The question is whether the Water Authority membership wishes to make more

use of the storage and energy savings, or keep as much reserve as possible.

Savings with this method was discussed with Michaelson stating previously the cost was approximately \$30,000 monthly, with the new method costing mid \$25,000. Mr. Berndt pointed out that the advantage is that the tank is never less than half full in case of a peak day.

Rosenbeck further explained he has tracked energy savings using peak and on-peak hours finding energy costs in April 2016 to be about-\$17,000, now reduced \$16,300, or 9.2 cents per thousand gallons to 8.8 cents per thousand gallons.

Berndt stated he is not comfortable with less than 15 feet in the tank. Mr. Michaelson explained other potential operation strategies/capabilities which may result in energy savings opining they have found the right balance and a steady flow at this time at 9 to 12 mgd, replenishing at night and over the weekend.

When asked what he would recommend by Mr. Thoresen, Rosenbeck explained that when originally sizing the capacity of the system, a set amount was set aside for emergency purposes.

2. **CBCWA Master Plan/Emergency Connections:**

The Manager reported that he and President Burdette met with the Green Bay Water Commission on July 10. He indicated they were well received and the meeting went well. The Commission was attentive and asked a number of questions. They seemed interested in the possibility of expanding collaborative efforts by working with a facilitator. General Manager Quirk suggested bringing in someone she knew who was an expert in regionalized efforts among utilities. One of the concerns expressed was with the agreement between the CBCWA and MPU and any restrictions that relationship might create. Subsequent to the meeting, Green Bay asked that the Manager inform MPU of the intent to begin discussions with Green Bay and to indicate the possibility of investigating emergency service connections. Green Bay also requested that a scope of work detailing expectations from an emergency service arrangement be provided to them to give to their consultant to get a proposal to evaluate the impact on their system. This request was discussed at the July Technical Committee meeting and a special meeting has been scheduled at 1:30 p.m. before the July 26<sup>th</sup> Board meeting. McMahon is working on defining questions from Green Bay as they are considering their master plan system such as how much water, where it will be delivered, how to deal with the Howard pump station, etc. These answers will be the basis for additional analysis by Green Bay's consultant.

Rosenbeck stated that if connecting to the Green Bay main running pipe down Webster to AZ 2, the system could be back filled to DePere, Ashwaubenon, Howard, and others. Berndt explained there is a project planned to rebuild Webster Avenue to the north half of 172. It is in the budget with Brown County Highway, noting that timing may be appropriate to move forward with a connection to Green Bay.

When asked for a synopsis of what Green Bay is doing relative to their facilities, how confident they are with their water supply, what interest they have in maintaining groundwater wells, Manager Vaclavik explained that Green Bay, in order to have adequate supply, have run two parallel lines with interconnects between them. They are confident that their plant is more than adequate for the capacity demand they currently have, although they may be looking at new infrastructure over the next 20 years. When asked if Green Bay is interested in excess/emergency water from the CBCWA, Vaclavik stated that is under discussion. The issue is whether the CBCWA and Green Bay can work together for their mutual benefit. Vaclavik indicated that Green Bay plans to use the AECOM model, at a cost to the Authority, once information is gathered and a model is known.

When asked how to move forward, Mr. Rosenbeck explained there is a mutual study agreement between Green Bay and the Authority relative to where to connect and flow rates. At this time, although he has not heard from the City, he is working on 2030 average day and maximum day flow need numbers. A plan was made to have a special meeting before the next Board meeting on Wednesday, July 26 at 1:30 p.m. to discuss further

*(Request by Mr. Michaelson to move to item #6, although shown in proper format here)*

**3. Water Sales Report through May:**

- a. True-Up charge Calculation Process  
The Water Consumption Report through the end of June was distributed separately. The Manager pointed out a discrepancy in the Howard meter reading from their Village-owned check meter that has been discussed by this Committee. At this time, the committee is awaiting the results of an additional meter test. (See below under Project Updates.)

**4. Water Sales Projections for 2018:**

The Manager reported that June water sales are approximately 1% ahead of last year, although still below projections. Statistics were provided in packet material with the Manager pointing out a 60% difference than when planning the system.

*(Mr. Rosenbeck excused)*

The Manager pointed out that he is working on the 2018 budget, looking for information from members to proceed. He will also be re-working true-up calculations from these figures.

Vaclavik stated that at the August meeting he will be prepared to discuss the CIP program and rate base.

**5. Work Order Data Collection:**

The Manager indicated that he has the information he needs to proceed and will bring it forward shortly.

Mr. Thoresen asked if the Authority has a scenario/map including the pipeline from Manitowoc to the member communities. Manager Vaclavik agreed to provide.

**6. Project Updates:**

a. Facilities Maintenance Project:

Mr. Rosenbeck highlighted actions relative to replacement on this project.

b. Hobart Bypass:

Rosenbeck stated that when the bypass test was redone, it was found that during the first test, when opening the bypass, water flowed at 1,800 gallons a minute. A new scenario found that if the station is bypassed, there is no way to control flow to the pumps. If the station bypass is closed and in order to have control, the flow control valve cannot be put at the booster pump station but rather at HB1.

Rosenbeck stated there are two options – 1) to put the control valve at HB1, leaving everything open at the higher pressure, or to do nothing at the booster station and put a control valve at HD1, getting 1,300-1,400 gallons a minute, or 2) put a bypass at the Howard Pump Station leaving the control valve open which would allow for 1,800 gallons a minute. Rosenbeck indicated that project cost is presently budgeted for changes to control valve placement.

*(Back to #3 on the agenda)*

**Old Business** - None

**Next Meeting:**

1. Special Technical Committee Meeting Scheduled for 1:30 p.m. on July 26 before CBCWA Board Meeting to discuss the CBCWA Master Plan/

Emergency Connections, in addition to the Chlorine Monitoring System Maintenance Contract Renewal with Hach.

2. Agenda Items for the August 8, 2017 Meeting.

**Adjourn:**

**Motion made by Allouez, seconded by Howard to adjourn at 2:58 p.m.  
MOTION UNANIMOUSLY APPROVED**

Respectfully submitted,

Rae G. Knippel  
Transcription