

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, August 10, 2010 at the Allouez Village Offices – 1900 Libal Street, Green Bay, Wisconsin

Present: Allouez-Berndt; Bellevue-Balke, DePere-Thoresen, Howard-Farr,
Lawrence-Little, Ledgeview-Pansier

Also

Present: Dave Vaclavik, Manager
Don Voogt – McMahon Inc

The meeting was called to order by Chairman Scott Thoresen at 1:32 p.m.

ROLL CALL:

Call the roll for attendance. Roll Call as noted above.

APPROVAL OF AGENDA:

Approve Agenda

Motion made by Allouez and seconded by Little to approve the agenda.

MOTION APPROVED UNANIMOUSLY

APPROVAL OF MINUTES:

July 12 & 23, 2010

Motion made by Lawrence and seconded by DePere to approve the minutes of July 12, 2010. MOTION APPROVED UNANIMOUSLY

Motion made by Allouez and seconded by Bellevue to approve the minutes of July 23, 2010. MOTION APPROVED UNANIMOUSLY

APPEARANCES:

1. None Scheduled

COMMUNICATIONS:

1. None

AGENDA ITEMS:

1. **CDM System Report – Review of Draft Executive Summary:**
Manager Vaclavik addressed the Executive Summary submitted by CDM and concerns over the operation and capacity of the system, i.e. operating pressures, diurnal flow patterns, surge protection, system capacity, pumping costs, system storage, redundancy, and emergency supply.

The evaluation and analysis included hydraulic and surge modeling to evaluate the existing and future system conditions. A hydraulic model was developed and calibrated for the Authority's system, and a surge model was developed using hydraulic model data and surge related data. In addition, the emergency or backup groundwater supply systems were also evaluated.

Conclusions and recommendations, based on the above analysis were discussed and included operational concerns and opportunities, surge concerns, pumping/capacity needs and opportunities, storage needs, emergency/back-up water supply needs, and energy saving/recovery opportunities,

Discussion by the committee resulted in several comments which will be sent to CDM with a final report expected by the end of September.

2 **Request from the Village of Bellevue to support Water Conservation Promotion:**

Bill Balke, Public Works Director in Bellevue, reported that the Village has been working on a project to promote sustainability. They are proposing, with support of the Water Authority, to purchase aluminum water bottles to be offered to residents who take advantage of the Village's E-billing system and electronic newsletter. Aluminum water bottles are re-usable, eliminate the use of disposable plastic bottles and also promote the use of tap water.

Discussion by the committee resulted in support of the idea, with a suggestion it be expanded to include logos from the CBCWA and all member communities. If ordered in amounts of 1000, the price would be approximately \$3.50 each.

Recommendation from the committee was to refer to the Board for their input. The Manager also suggested that guidelines be established for supporting local sustainability efforts, also suggesting that MPU be contacted for their participation.

3. **Water Consumption Trends – 2011 Projections:**

Mr. Vaclavik reported that water consumption has continued to decline, 20% from 2009, partially due to unseasonably wet weather. The CBCWA is currently 10.5% behind last year and 11.3% behind budget expectations. Trends project total sales volume of 2.6 billion gallons for 2011, compared to 2.74 billion gallons in the last year. Although this decline in flow should result in a slight budget reduction for operational costs, it may be offset by a scheduled increase in debt service.

4. **Operation, Maintenance and Ownership ("Condo" Agreements for Connection Stations:**

Manager Vaclavik reported that in 2004 Attorney Kobza drafted condo agreements for members of the Authority. It appears, however, that some member never signed the agreements. He is investigating this matter and will be suggesting modification.

5. **Member Operating Protocols – Review of July Demand Data:**

Flow data information received from MPU during the month of July was discussed. Vaclavik stated that one of the significant factors in planning future capital improvements will be how member communities manage their daily flows and how successfully they can minimize peak demand on the system.

Data was reviewed showing that improvement has been made in balancing flow during daily operations, specifically with the City of DePere, who has been the most successful. Vaclavik stated the goal is to have the trend lines as flat as possible with as little variation during the day as can be achieved. The flatter the master station is the longer capital improvements can be deferred.

Manager Vaclavik explained that minimizing peak flows will be increasingly critical as the system was designed based on maximum daily flow rates, assuming that members would be able to manage peak hour demands with local storage. However, using last year's data, there is concern with meeting demand with the current infrastructure and that construction of storage and the Cooperstown booster station will become immediate priorities. Vaclavik stated that effective management of peak hour flow by members will be the determining factor in timing planned major capital improvements and operational costs.

6. **Engineer's Update:**

Don Voogt of McMahon reported that the 2010 budget includes funds for performing a corrosion inspection. Discussion of this issue resulted in a request from the Technical Committee for a proposal. That proposal, Task Order #4 in the amount of \$5,000, to prepare specifications and manage the project was addressed. Voogt stated that this study will help to identify any corrosion that has taken place since the system was installed and if necessary, design appropriate protection systems.

Motion made by Bellevue, seconded by DePere to recommend approval of Task Order #4 with McMahon in the amount of \$5,000 for corrosion inspection related services. MOTION APPROVED UNANIMOUSLY

7. **Change Order to Jossart Brothers Air Relief Valve Project in the amount of \$8,000 for two additional valve locations:**

Two additional air relief manhole locations have been discovered, both of which need proper ventilation. Neither were correctly identified on the record drawings or included in the original scope of work with Jossart. Vaclavik explained that the Jossart contract is still open. Discussion by the committee resulted in a recommendation for approval of Change Order #2, that Jossart complete the work involving significant asphalt pavement restoration in the amount of \$8,000.

Motion made by Allouez , seconded by Howard to recommend approval of Change Order #2 to Jossart Brothers in the amount of \$8,000 to complete air relief valve project. MOTION APPROVED UNANIMOUSLY

8. **2010 Engineering Projects:**
See #6 above.

9. **2011 – 2020 CIP:**
The committee reviewed the 2011 Capital Improvement Budget, noting that the plan minimizes expenses for 2011 and includes a power generating turbine that would be built only with grant support, and cathodic protection of the 48” pipeline to be scheduled based on the findings of the 2011 corrosion inspection. Those projects for 2014 and beyond may be deferred to later dates based on operating experience and local storage decisions.

OLD BUSINESS:

1. None

NEXT MEETING:

1. **Agenda Items:**
- **Request from the Village of Bellevue to support Water Conservation Promotion: Environmental Sustainability**
 - **Member Operating Protocols**

Next Meeting – September 7, 2010

Adjourn:

Motion made by Ledgeview and seconded by Lawrence to adjourn at 3:40
MOTION APPROVED UNANIMOUSLY

Respectfully submitted,

Rae G. Knippel,
Recording Secretary