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## **CENTRAL IOWA REGIONAL DRINKING WATER COMMISSION**

**Windsor Heights City Hall  
July 22, 2003 at 6:00 p.m.**

John McCune called the meeting of the Central Iowa Regional Drinking Water Commission to order and welcomed all in attendance. All participants introduced themselves. Present were:

City of Ankeny – Annette Vance –(Rep), Jolee Belzung – (Ex-O)

City of Clive – Bart Weller – (Ex-O)

City of Johnston – Jim Sanders – (Ex-O)

City of Pleasant Hill – Tom England – (Alt. Rep)

City of Waukee – Tim Rovel - (Ex-O)

Des Moines Water Works – Larry James (Rep), L.D. McMullen – (Ex-O), Connie Steffen – (Staff), Jenny Puffer – (Staff), Randy Beavers ~~– (Staff)~~

Polk County – James Elza – (Ex-O)

SE Polk Rural Water – Dan Lundberg – (Rep)

Urbandale Water Department – John McCune – (Rep), Dale Acheson – (Ex-O)

West Des Moines Water Works – Jim Wallace – (Rep), Larry Anderson – (Ex-O)

**Approval of the April 22, 2003 Minutes** – Annette Vance from Ankeny made the motion to approve the April meeting minutes, seconded by Larry James from Des Moines. The motion passed.

**Election of Officers** – There are two leadership openings on the CIRDWC. Louise Moon, who served as Vice-Chair, is no longer the representative from Des Moines Water Works and Annette Vance of Ankeny asked to be replaced as Secretary due to other time commitments.

John McCune made a motion to elect Jim Wallace from West Des Moines as Vice Chair and Al Ihde from Bondurant as Secretary. The terms for both offices shall end January 1, 2004. Annette Vance seconded the motion. The motion passed. Jim Wallace and Al Ihde were elected by unanimous vote. John McCune stated that at the October meeting we would need to appoint a nominating committee to elect officers at the January 2004 meeting.

**New Water Treatment Plant Update** report was given by Jenny Puffer from Des Moines Water Works. They currently have 3 membrane pilots in operation and have found them to be operating better than expected. The pilots are producing more water through the membrane filters than they originally anticipated. DMWW is working with IDNR and the Corps of Engineers to obtain permission to locate the well fields along the east side of the Des Moines River. IDNR has some concerns with regard to the wildlife habitat in the area, particularly the eagles.

An initial agreement has been reached to secure 20 acres of land for the new treatment plant. The location is south of NW 66<sup>th</sup> Avenue and west of NW 26<sup>th</sup> Street. The agreement is for \$24,000 an acre. The ground elevation of the plant will be set at 2 to 3 feet above the 1993 floodwaters.

**Billing Flow Chart** - Randy Beavers submitted a Draft Billing Flow Chart (see attachment) to help clarify the billing procedures for political subdivisions. The flow chart does not account for those who have existing water plants, like West Des Moines Water and Altoona. Another unanswered question is the link to ASR Water.

The purchase capacity cost has not been finalized yet, but the best guess at this time is still in the area of \$1.90 per gallon.

LD McMullen shared that the Maffit Treatment plant is currently producing 21-22 million gallons per day as a result of “Crystal Lake” (LD’s fancy name for sand quarry along the river) and the higher Raccoon River water levels. Thus far the peak pumpage day for DMWW this year has been 72 million gallons and both plants handled it easily.

**Westside Infrastructure Sub-Team Report** - Larry Anderson from West Des Moines Water Works reported that a 2.5 million gallon tank would be constructed in West Des Moines. The purchased capacities of the tank are as follows Clive 1,000,000 gallons, Waukee 500,000 gallons and West Des Moines 1,000,000 gallons. The 28E agreement is

under development. Plans for the tower will be completed this fall and construction will begin in 2004.

**Public Policy Sub-Team Report** - This report was deferred to the next meeting.

L.D. McMullen stated that the DMWW has changed how it treats water. He said they had only one call with regard to the change. The change could possibly produce a savings of up to \$100,000 in production cost per year. Bart Weller of Clive asked if this change would have any effect within the distribution system? LD said it would not.

### **Next Meeting**

Tuesday, October 28, 2003, 6:00 pm  
Urbandale Library  
3520 86<sup>th</sup> St., Urbandale

**Adjournment** – Jim Wallace from West Des Moines made the motion to adjourn the meeting. Dan Lundberg from SE Polk Rural Water seconded this motion. Motion passed.

**Date:** July 22, 2003  
**To:** Central Iowa Regional Drinking Water Commission  
**From:** Jenny Puffer, on behalf of the New Water Treatment Plant Sub-Team  
**Subject:** New Water Treatment Plant Update

#### Raw Water Investigation

DMWW has been working with the Iowa Department of Natural Resources and the Corps of Engineers to obtain permission to locate the wellfield for the new treatment plant along the east side of the Des Moines River, south of NW 66<sup>th</sup> Avenue. That strip of land is owned by the Corps of Engineers and leased by IDNR. IDNR has some concerns about our activities on that land and have asked for one month to consider our request for a wellfield on that property. We anticipate a response from IDNR in early August regarding this issue.

#### Land Procurement

An initial agreement has been reached with a landowner and DMWW for approximately 20 acres of land for the new treatment plant. The location of this land is south of NW 66<sup>th</sup> Avenue and west of NW 26<sup>th</sup> Street. During the next 5 months, DMWW will work with the agencies who have to provide clearances for the treatment plant. Once all permits are obtained, DMWW will take possession of this land by the end of December 2003.

#### Pilot Testing

The ultrafiltration (UF) membrane pilot testing is now one third complete. The initial test results look very promising. All three pilot units are operating better than expected. The nanofiltration (NF) membrane pilot testing is scheduled to begin in August. We are currently in the process of ordering the pilot units and NF membranes.

**Westside Infrastructure Planning Sub-Team Report**  
**July 22, 2003**

Participants in one or more of the Westside projects are:

- City of Clive
- Urbandale Water Department
- City of Waukee
- West Des Moines Water Works
- Des Moines Water Works

The locations for the two projects remain:

- South – 98th Street, south of University Avenue in West Des Moines
- North – near Dallas County R30 and Meredith Drive (270th Street)

Since the last report to the Commission, work continues to move the proposed projects forward, as follows:

- The City of Clive is interested in participating in the south tank project, asking for a total of 1 million gallons (1 mg) in that facility. The City has sent a letter of intent to this effect. Clive has indicated that it will issue its bonds to finance its share in the project. Since these can be G.O. bonds paid with water revenue, there is likely to be an interest rate advantage. Further, bond reserve fund requirements may be lower. The Clive City Council is taking the steps needed to adjust water rates to finance their portion of the project.
- The Urbandale Water Department remains interested in elevated storage and plans to work toward construction at a later date. That may change, depending upon if they decide to commit funds to the north water treatment plant and/or aquifer storage and recovery. If their commitment of funds in the treatment plant and/or ASR is sooner than later, then participation in storage will be delayed. Urbandale would participate in the north tank.
- The City of Waukee is committed to 500,000 gallons in the south tank, according to the results of the engineering study of their water distribution system. Financing alternatives are being studied at this time. The Waukee City Council has approved a letter of intent for participation in the project.

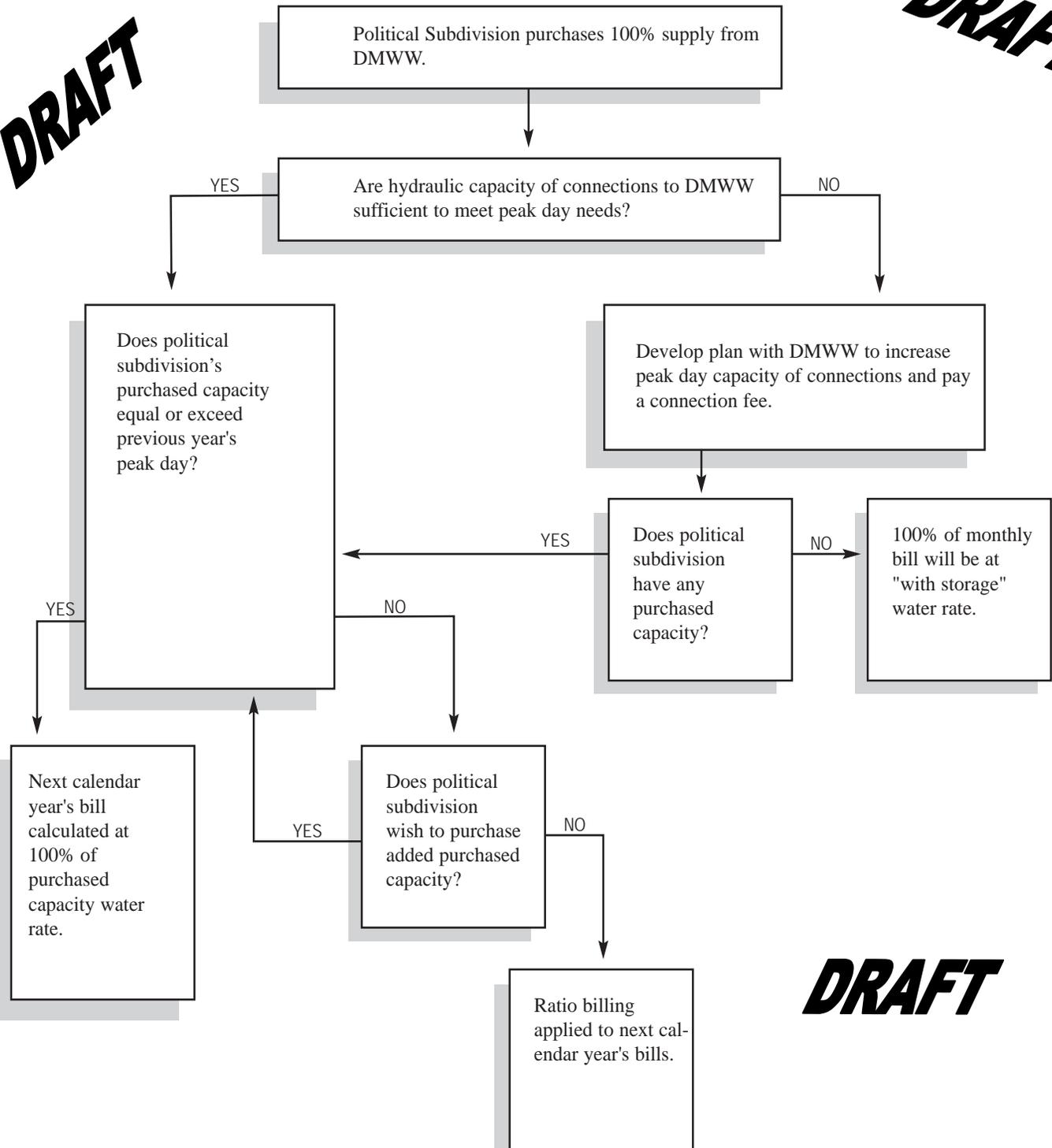
- West Des Moines Water Works owns land for the south tank and is proceeding to design the facility. An engineering design consultant (Krisha Engineering Consultants, Inc.) has been retained for the design. Plans and specifications are anticipated to be complete and ready for bidding within two months. The tank will have a capacity of 2.5 million gallons.
- The committee is working on timing issues, so this work can be concluded on behalf of the Commission.
- Work is progressing well on an intergovernmental agreement for these projects, with the plan that it should be ready for legal review in early August and for presenting the various governing bodies soon after that. Legal counsel has suggested that the agreement form could be simpler than is usual for a Chapter 28E agreement form. It is planned that the form of agreement for the south tank project can become a model for the north tank project, thus reducing costs and the time it would otherwise take to prepare an agreement from the beginning.

# Political Subdivision Billing Flow Chart

2004 Calendar Year

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