

(Prepared by/Return to: Amy Kahler, Des Moines Water Works, 2201 George Flagg Parkway, Des Moines, IA 50321, 515-283-8760)

Meeting
CENTRAL IOWA REGIONAL DRINKING WATER COMMISSION
Technical Advisory Committee
Des Moines Water Works Board Room
March 23, 2017
10:00 a.m.

Attendees: Shane Kinsey, Diana Wilson, Mike Schulte, E.J. Giovannetti, Ron Henderson, Bill Stowe, John Gibson, Karen Oppelt, Dan Klopfer, Ted Corrigan, Tim Hoskins, Jim Utter, Vern Willey, Amy Kahler, Stan Ripperger, Andy Fish, Kyle Danley, Nathan Casey

Public: Don Peterson, Iowa Farm Bureau Federation; Gretchen Tegeler, Taxpayers Association of Central Iowa

DMWW Long Range Plan Update

As introduction, Dan Klopfer provided a brief overview of the long range planning process thus far, from RFP to current status. The final and complete report has not yet been received, but Nathan Casey shared broad recommendations as outlined by the consultants.

Demand for the metro area has been estimated, and a meter map developed to show where water will be needed. Each meter has been assigned demands based on demand projections developed by the Technical Advisory Committee. Mr. Casey will send the map to each utility and asked that the information be reviewed and affirmed.

Mr. Casey reported HDR has recommended the region can support 10 Aquifer Storage and Recovery (ASR) wells by 2040. Currently, there are four existing ASRs (Ankeny – 2; DMWW – 2) and one under construction (DMWW/WDMWW), leaving 5 more to be constructed in the future. Tentative locations for these on the Core Network are at the Joint Eastside booster station, Polk County Pumping Station, and a location near Army Post and SE 14th St., with an additional two ASRs falling outside DMWW's Core Network.

Beyond ASRs, HDR has presented the following recommendations to DMWW for meeting water demand in 2040 in the metro area.

1. Expand Saylorville Water Treatment Plant to 20 MGD (10 MGD currently; footprint allows for 20 MGD).
2. Expand McMullen Water Treatment Plant to 37.5 MGD (25 MGD currently; footprint allows for 37.5 MGD). This would include additional wells and lake improvement to deal with source water quality.

In addition to the ASR and treatment plant expansions as outlined above, an additional 25 MGD is needed by 2040. HDR outlined three different options for meeting this additional 25 MGD:

1. Increase Fleur to 100 MGD (currently 75 MGD)
2. Increase treatment 25 MGD in the Saylorville area, however, it would be lime softening treatment and not R/O like the current plant.
3. Construct a new treatment plant in a new area along the Des Moines River

DMWW prefers Option #2 above. In addition to treatment, transmission main capacity will be needed to get water to demand areas. If Urbandale Water Utility constructs an 8.0 MGD treatment plant, that 8 MGD could be reduced from the above capacities needed from the Core Network.

In summary:

170 MGD needed from DMWW Core Network by 2040

110 MGD available currently

60 MGD additional needed:

- 12 MGD from ASRS (assumes 5 additional 3-MGD wells, with 1 out of service)
- 10 MGD from Saylorville expansion (R/O membrane)
- 12.5 MGD from McMullen
- 25 MGD Saylorville (lime softening)

DMWW Clean Water Litigation Update

Mr. Corrigan reported Judge Strand dismissed all DMWW claims related to the Clean Water litigation, asserting the legislature is the appropriate body to address the state's poor quality waters. His ruling states the drainage districts have no authority to comply with the Clean Water Act, and therefore can't impact the change DMWW seeks. The Board of Water Works Trustees is reviewing their options.

HF 484/SF 456

Mr. Corrigan reported HF 484 and SF 456 appear to be losing support among House and Senate members. Several amendments have been filed, and the most recent amendment reintroduces regionalization, after having removed regionalization language from the previous version. Water utilities' positions continue to be that local policy should not be legislated at the state level. The date by which the bill must pass out of the House and Senate is the second funnel date of Friday, March 31. This will be closely monitored over the next week.

Waukee/WDMWW Source Water Availability Study Update

Diana Wilson reported five of seven wells have been bore hole tested to verify thickness and evaluate water quality. She expects to receive the final test by mid-April.

Des Moines Water Works Board Activities for March

DMWW staff reviewed the agenda for the March 28th Des Moines Water Works Board of Trustees meeting:

- Authorize Lime Contract Services Provider – Requesting approval to award contract to Mississippi Lime for both Fleur Drive and McMullen Water Treatment Plants for approx. \$2.1 million.
- Approve Contract for Utility Billing and Field Service Automation systems – Requesting approval to purchase Advanced Infinity billing solution and Clevest as field service automation

software. This project is approximately \$4 million and is expected to be implemented by the end of 2018.

- Acceptance of 2015 Army Post ASR – Accept contract completed by Grosch Irrigation Company, Inc. in the amount of about \$1.9 million, reimbursed by City of West Des Moines and West Des Moines Water Works.
- Request Authorization to Solicit bids for Nitrate Removal Facility Process Residuals Force Main – DMWW has negotiated with WRA to discharge nitrate waste to WRA, requiring piping to the WRA facility. Engineer’s estimate for this contract is \$1.1 million. Public Hearing will be set as May 2017 board meeting.
- Request Authorization to Solicit Bids for Nitrate Removal Facility Process Residuals Pumping Station – In conjunction with item directly above, this contract will be for the pump station related to discharging nitrate waste to WRA. Engineer’s estimate for pump station is \$0.95 million. Public hearing will be April 2017 board meeting.
- Request Authorization to Solicit Bids for 2017 Polk County WSI - main replacement due to history of main breaks. Engineer’s estimate for Base Bid is \$650,000, Alternate A \$375,000 for a total of \$1 million. Public Hearing will be April 2017 board meeting.
- 2017 Des Moines WSI – Award 2017 WSI to Rognes Corp for approx. \$1.2 million

Open

Amy Kahler reported the DMWW Board of Trustees at their special meeting in March appointed Graham Gillette and Susan Huppert to a new Regionalization Review board committee.

Ms. Kahler also reported DMWW has hired a consulting firm, Raftelis, to conduct a review of their Cost of Service study. The report is expected this summer.

Next Meeting Date

The next meeting will be April 27, 2017 at Des Moines Water Works.

Meeting adjourned at 11:30.