

(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
June 22, 2017
10:00 a.m.

Attendees: Shane Kinsey, Jeff May, Karen Oppelt, Dan Klopfer, Jim Utter, Amy Kahler, Nathan Casey, John Gibson, Mitch Pinkerton, Dale Acheson, Ken Plager, Bill Stowe, Tim Hoskins, Dan Lovett

Public: Mackenzie Elmer, Des Moines Register; Mark Duben, HDR; Don Petersen, Iowa Farm Bureau Federation

DMWW Long Range Plan

DMWW consultant, Mark Duben, HDR, provided an overview of DMWW's Long Range Plan. Mr. Duben reviewed the process of developing the LRP. Projections to 2040 are as follows:

- Population - approx. 800,000
- Average day – approx. 90 million gallons per day (mgd)
- Max day – approx. 190 mgd

Approximately additional 49 mgd is needed from DMWW's system by 2040 to meet average day demand, and approximately 41 mgd is needed by 2040 to meet max day demand.

Mr. Duben discussed two improvements recommended to provide 22.5 mgd additional capacity:

- Expand Saylorville Water Treatment Plant to 20 mgd (10 mgd additional)
- Expand McMullen Water Treatment Plant to 37.5 mgd (12.5 mgd additional)

The remaining 25+ mgd could be provided with several alternatives, including expanding Fleur Drive Treatment Plant, a fourth water treatment plant, or expanding in the area near Saylorville Water Treatment Plant. The Long Range Plan provides "A" and "B" scenarios for each alternative, representing changing assumptions with or without the proposed 8.0 mgd Urbandale water treatment plant. Additionally, it was noted improvements are not tied to a year, they are tied to demand. Triggers are identified within the plan to begin planning for later improvements, so if actual demand differs from projections, the plan is fluid to those changing assumptions.

Additional water sources were evaluated, with the Des Moines River alluvium strongly considered. A map with future potential ASR well locations was presented. The max ASR capacity is approx. 1/3 of average day demand.

DMWW wholesale customers are encouraged to focus their review of the Long Range Plan on Chapter 5, focused on the Core Network. It was noted HDR is still verifying final costs and numbers; however, any changes are not expected to be material.

It was acknowledged most attendees hadn't had ample opportunity to review the report. HDR and CH2M will attend July's Technical Advisory meeting to answer questions on the Long Range Plan.

Waukee/WDMWW Source Water Availability Study Update

Mitch Pinkerton reported the consultant is trying to access land to do a pump test; however, the test may have to wait until the crops are out of the field.

Urbandale Water Utility Update

Dale Acheson reported there is no update since the last meeting.

Des Moines Water Works Board Activities for April

Dan Klopfer reviewed the agenda for the June 27th Des Moines Water Works Board of Trustees meeting:

- Receive proposed board policy manual revisions
- Receive and file 2016 audit reports
- Receive and file the 5-year Capital Improvement Plan (CIP)
- Extend 28E Total Service Agreement with Berwick Water Association
- Request authorization to solicit bids for 2017 Fleur Drive Water Treatment Plant ferric chloride storage improvements and establish date for public hearing.
- Request authorization to solicit bids for 2017 well rehabilitation at Saylorville Water Treatment Plant and establish date for public hearing.
- Request authorization to reimburse City of Des Moines for water main relocations for Locus Street Reconstruction from 9th St. to 12th St.
- Public hearing for CenturyLink easement at Maffitt Reservoir and approve easement

Open

Amy Kahler reported to the group that Berwick will be selling purchased capacity. Bid notices will be sent within the next couple of weeks.

Tim Hoskins updated the group on an RFP Norwalk has issued, focused on developing a plan for Norwalk's distribution system consisting of older, small diameter mains and the possible implementation of a GIS system. Responses are due at the end of June. Mr. Hoskins also reported that Norwalk has implemented Stage 1 of their water shortage plan, which is voluntary managed irrigation. Dan Klopfer added DMWW is working with Norwalk on a joint project with Cumming to increase capacity and provide an additional connection to Norwalk from the McMullen Water Treatment Plant, which would eventually provide another 16-inch line coming into Norwalk.

Next Meeting Date

The next meeting is scheduled for July 20, 2017 at Des Moines Water Works.

Meeting adjourned at 11:00 a.m.