

NOTICE OF MEETING

CENTRAL IOWA WATER WORKS TECHNICAL COMMITTEE

Des Moines Water Works Board Room
2201 George Flagg Parkway
Des Moines, Iowa

March 13, 2024
1:00 pm

MINUTES

Present: Dale Acheson (UWU), Shawn Buckner (Ankeny), Caitlin Caldwell (DMWW), Kyle Danley (DMWW), Andy Fish (Warren Water), Randy Franzen (Polk City), Lyle Hammes (WDMWW), Royce Hammitt (Xenia), Amy Kahler (DMWW), Rudy Koester (Waukee), Jeff May (Clive), Mike McCurnin (DMWW), Christina Murphy (WDMWW), Mitch Pinkerton (WDMWW), Lindsey Wanderscheid (DMWW), and Neil Weiss (UWU).

Item 1: The meeting was called to order at 1:02 p.m. by Kyle Danley.

Item 2: Introductions were made by everyone present in the meeting.

Item 3: Minutes Approved for February 14, 2024 – minutes approved with no objection.

Item 4: Xenia Rural Water District Distribution System Presentation: Royce Hammitt presented the extensive history and current operations of the Xenia Rural Water District. Established in response to the 1977 drought, the district has evolved significantly, initially serving rural landowners in Dallas and Boone counties. Since then, it has expanded its service area through strategic agreements and infrastructure development. Presently, Xenia serves 11 counties and 19 communities, boasting over 11,130 customers/members across a vast territory of 2,529 square miles, supported by a pipeline network spanning over 2,890 miles. With 31 employees working in various departments, the district's financial health is robust, with an operating income of \$17.5 million in 2023, operating expenses of \$14.3 million, and a net income of \$3.2 million allocated for future capital improvement projects.

Item 5: HDR Future Treatment Plant Study: During the HDR Future Treatment Plant Study meeting, revisions to spreadsheet loads and populations were presented, along with comments from the group. Some members found their data satisfactory. Different buffer options were discussed, with considerations for future capacity projections. The group emphasized the importance of reserve capacity in accommodating growth while being cost-effective. There was reluctance towards certain options, with discussions on the need for planning beyond current needs to meet future demand and the financial implications involved. The group highlighted the importance of planning for buffer capacity and system constraints. The group discussed

distribution costs and the potential involvement of CIWW in capacity sharing. The discussion concluded with considerations for future votes and potential transfer/sale of capacity.

A roll call vote was conducted, with all present members voting in favor of the 15% buffer capacity, except for one member agency which did not vote in favor.

Lindsey Wanderscheid shared a quick reminder of upcoming events: On April 8th, the Draft TM-4: Water Quality and TM-5: Water Supply and Treatment Alternatives will be delivered to CIWW. Following that, on April 10th, there will be a Water Quality, Supply, and Treatment Workshop.

Item 6: Technical Committee Discussion: During the Technical Committee Discussion, it was noted that minutes would not be posted on the DMWW website until they are approved by all members. Additionally, the group discussed the 28E agreement and the election of a Technical Committee Chairperson, with consideration given to the process and official procedures. Royce Hammitt informed the group about his upcoming meeting with USDA as Xenia awaits their signature to finish up the 28E/F process.

The group deliberated on its preferred course of action. Members interested can participate and self-nominate for nomination. The Technical Committee will adhere to the required procedures and acknowledge the meeting's proceedings. The first CIWW board meeting is set for April 24th at 3pm, but alternatively, we can opt to wait until the May meeting.

Item 7: 2025-2029 CIP Project Discussion: Mike McCurnin led the discussion focused on the Capital Improvement Project (CIP) for the years 2025-2029, aligning with the 28E agreement. CIWW is drafting its 5-year CIP in March, aiming to streamline the process early in the year. With \$500 million worth of ideas, \$384 million is allocated to CIWW, primarily for source treatment and expansion, with an additional \$114 million for capital spending. Specific projects were outlined, including the expansion of water treatment plants and capacity improvements. The importance of placeholders for design and engineering costs was emphasized. Various projects within the core network were discussed, including transmission projects and joint seal initiatives. Facility management projects, particularly those concerning CIWW operations, were highlighted. The need for collaboration between CIWW and DMWW was acknowledged, particularly concerning SCADA systems. The group aims to finalize and file the CIP in late April, with a focus on budgeting for 2025. Plans for joint capital replacements were discussed, and a cleaned-up bonding list is in progress. It was noted that WDMWW would share its plans in the coming months.

Item 8: Grimes Projects Discussion: No updates.

Item 9: Polk City Projects Discussion: Randy Franzen stated that there are no updates to provide at this time.

Item 10: West Des Moines Water Works Projects Discussion: Christina Murphy provided an update during the meeting. They confirmed that the necessary media has been delivered and will be installed next week. The Variable Frequency Drive (VFD) High Service Pump (HSP) project

is at 95% completion and will be taken out to bid this Fall. However, the Motor Control Center (MCC) and generator switch gear projects have been delayed until late Fall or Winter. The generator switch gear project specifically has been pushed off until Winter. Additionally, the bid for WDMWW Aquifer Storage and Recovery (ASR) is scheduled for next month. It was noted that they are no longer pursuing State Revolving Fund (SRF) funding as they have secured alternative funding sources.

Item 11: Des Moines Water Works Projects Discussion: During the meeting, Lindsey Wanderscheid provided an update on the MWTP HSP HVAC & Roof Upgrades project. A new 20-ton unit has been installed, and the ballasted roof has been replaced with EPDM. The project was awarded to Brockway Mechanical in February 2023, with a bid of \$233,094. There was one change order amounting to \$6,950 to acquire a Trane unit, resulting in a total cost of \$240,044.

Kyle Danley updated the group on the progress of SWTP West Feeder Main Phase 3 and the Eminent Domain Public Hearing. This project requires easements through 14 properties, and DMWW/Snyder is currently in the process of obtaining these easements. While most easements are expected to be acquired voluntarily, some property owners on NW Beaver Drive have expressed reservations. To address this, DMWW plans to initiate the Eminent Domain process and schedule a public hearing for the March DMWW Board Meeting. This process will be used, if necessary, to secure any final easements before construction reaches these locations. Approximately two-thirds of the easements have already been obtained or will be obtained soon.

Mike McCurnin provided an update on the FWTP High Service Pump Variable Frequency Drive (VFD). The VFD is a Medium Voltage Variable Frequency Drive for the West High Lift Pump, with a capacity of 30 MGD (Million Gallons per Day). The pump is rated at 2000 HP (Horsepower) and operates at 4160 V (Volts) synchronous. The estimated cost for this project is approximately \$500,000. The purpose of installing the VFD is to reduce high service pump changes. It was noted that the VFD will be sourced solely from Allen Bradley. Pricing for the VFD will be obtained later this week, and the proposal will be presented to the DMWW board for consideration.

Item 12: Other Business: It was noted that work on Reverse Osmosis (RO) pilot testing and Ultrafiltration (UF) pilots is ongoing, with the UF pilots scheduled to run for four months. Approval from the Army Corps for pump tests is currently in progress.

Item 13: The meeting was adjourned by mutual agreement at 2:24 pm.