
Minutes

Technical Committee
Central Iowa Water Works
November 12, 2025
Des Moines Water Works Board Room
2201 George Flagg Parkway
Des Moines, Iowa
1:00 p.m.

ITEM 1: Call to Order

Chair Kyle Danley called the meeting to order at 1:01p.m.

ITEM 2: Introductions

Present: Don Clarke (Ankeny), Jeff May (Clive), Kyle Danley (DMWW), Matt Greiner (Johnston), Randy Franzen (Polk City), Neil Weiss (UWU), Andy Fish (WWD), Rudy Koester (Waukee), Christina Murphy (WDMWW), Royce Hammitt (Xenia), Shawn Buckner (Ankeny), Lindsey Wanderscheid (DMWW), Matthew Jacob (UWU), Matt Van Wyk (WWD), Lyle Hammes (WDMWW), Tami Madsen (CIWW), Amy Kahler (DMWW), Daria Dilparic (WDMWW), Dustin Delvaux (CIWW), Darrin Hager (HNTB)

ITEM 3: Approve Minutes for October 6, 2025 – Approval

The committee approved minutes for October 6, 2025, Technical Committee meeting by unanimous voice vote.

ITEM 4: Water Allocation – Update

Tami Madsen informed the committee that all water allocation spreadsheets have been received. She noted that the water allocation group will need to meet again for further discussion. The 2030 projections meet the 15MGD capacity of the West Plant and Grimes Expansion. Key changes between the initial and updated spreadsheets include: population projections reduced by about 20k people; peak day demands down 10%; future ASR availability was projected with this iteration; industrial reserve was only up slightly. She also noted that several member agencies based their projections on the assumption that the next Saylorville expansion would be completed by 2040.

Shawn Buckner informed the committee that Ankeny ASR #1 may no longer be available. It was

originally constructed in the 1960s, updated in the 1990s, but ceased functioning in the past month. The ASR needs to be looked at and assessed for financial viability as to how Ankeny will proceed.

ITEM 5: Shared Drive Implementation – Update

Tami Madsen informed the committee that CIWW is in the process of developing shared drives for each committee. The objective is to have the Technical Committee's shared drive fully operational by the December meeting.

ITEM 6: After-Action Review – Update

Tami Madsen provided a recap and update on the After-Action Review. A draft report will be distributed to the committee, and a meeting will be scheduled to review the findings and develop recommendations. The goal is to present the draft report to the Technical Committee at its December meeting, followed by submission to the Board of Trustees at their December meeting.

ITEM 7: West Plant – Update

Christina Murphy informed the committee that the CIWW Board of Trustees approved the geoprobe contract at the October board meeting, with a not-to-exceed amount. The contract has been received, and staff are currently working with landowners to obtain permission to conduct geoprobing on their properties. Consultants have recommended proceeding with sites where CIWW already has access, and field work is scheduled to begin next week.

Christina also provided an update on recent meetings related to the West Plant. During the most recent meeting, three potential sites were discussed, and two additional locations were identified as suitable for the proposed facility. She noted that the process remains in the early stages, and additional information will be shared with the Technical Committee as it becomes available.

Additionally, Christina plans to schedule a lunch-and-learn session with several membrane vendors and is organizing visits to various water treatment plants that utilize membrane technology.

Christina Murphy informed the committee that Strand's current scope of work focuses on wells, source water, and treatment. She noted that additional discussions will be needed regarding the transmission main and its connection to the core network. At some point, hydraulic modeling may also be required. The Technical Committee will need to determine how best to proceed and define the next steps for this effort.

ITEM 8: Grimes Plant Expansion – Update

Tami Madsen informed the committee that she has met with Black & Veatch several times to discuss the project scope. A preliminary scope has been distributed to the technical team for review, with the goal of finalizing both the scope and fee in November. A recommendation is

expected to be presented at the December Technical Committee meeting, with Board consideration and action to follow later that month.

ITEM 9: Saylorville Plant – Update
a. RO/UF Procurement – Recommendation

Lindsey Wanderscheid reported that approval has been received from the U.S. Army Corps of Engineers for access to the land where borings are planned. However, Traut staff will not be available to begin work until the first week of December.

She also informed the committee that bids have been received for the RO procurement, with Harn and Wigen each submitting proposals for all three membranes, ranging from \$5.2 million to \$8.1 million. A recommendation will be presented at the December Technical Committee meeting. For the MF/UF procurement, bids were received from Aqua and Wigen, ranging from \$5.2 million to \$11.7 million. The wide range in bid amounts reflects differences in the proposed technologies, which are still being evaluated. A recommendation for this will also be presented at the December Technical Committee meeting.

Finally, Lindsey provided an update on the Saylorville Water Treatment Plant project, noting that the total estimated cost is approximately \$152 million. This number is +50% and -30% so will be refined once some of the parts of the project are bid.

ITEM 10: Grimes Projects – Discussion

Tami Madsen informed the committee that Grimes has completed its roof replacement project. During the replacement, areas requiring tuckpointing were identified and repaired. She noted that Grimes remains under budget for joint capital in 2025 and has completed its anticipated projects for the year.

ITEM 11: Polk City Projects – Discussion

Randy Franzen informed the committee that Polk City's raw water sources contain high levels of iron, requiring periodic pigging of the line. During this process, a potential issue was identified with Well Four, and bids are being solicited to inspect both Wells Four and Five.

ITEM 12: West Des Moines Water Works Projects – Discussion

Lyle Hammes updated the committee on the following projects:

- High service pump 3 replacement: The manufacturer will conduct training for WDMWW staff next week, with project closeout expected in December.
- Alluvial wells: WDMWW plans to move to a new location for test drilling, with three, possibly four, wells planned. Test drilling is scheduled for later in November.
- AC Ward Facility Repairs: The kickoff meeting was held on October 31, with a target date of the end of April 2026 for final bid documents to be completed.

Daria Dilparic provided the committee with an update on the Source Water Protection Plan. Tetra Tech conducted an on-site field survey on October 29 and anticipates having a draft plan ready within the next few weeks.

ITEM 13: Des Moines Water Works Projects – Discussion

Lindsey Wanderscheid updated the committee on the following projects:

- FWTP Chemical Building elevators: Modernization is underway for a 1948 elevator primarily used to transport materials between floors. An external assessment recommended a complete replacement. Bids are planned to be solicited this month, with an award anticipated in January 2026.
- MWTP Exterior Paint Improvements: Included in the 2025 budget, bids are planned for solicitation in November, with award expected in January 2026.
- Downtown Fiber routing to armory: With the City of Des Moines moving out of the Armory, DMWW must install and route new fiber to maintain communication between SWTP, PCPS, and DMWW. A proposal for design services has been received from HDR and will be working on finalizing an agreement.
- FWTP Filter Media Rehabilitation: Preliminary engineering has divided the project into four phases. Work will begin with the Backwash Tank, as it is currently undersized. Will be working on getting an agreement in place with CDM Smith.
- Nitrate Removal Facility Expansion: Two proposals were received, and CDM Smith was selected to assess current equipment and evaluate up to three alternatives for expansion.
- SWTP West Feeder Main Phase 3: The project has been placed into service, with plans to formally accept it at the November 2025 board meeting.

ITEM 14: Pumpage and Revenue Summary – Information

The pumpage and revenue summary were reviewed by the committee.

ITEM 15: Operations Update – Information

- Polk City
- No update
- Grimes
- No update
- West Des Moines Water Works

Lyle Hammes informed the committee that the AC Ward plant is implementing the following updates: adding sensors to the lime and soda ash bins, shutting down four filters for the winter, the sludge thickener remains out of service, and different types of raw water meters are being considered.

- Des Moines Water Works

Kyle Danley informed the committee that the McMullen Water Treatment Plant was temporarily shut down to install a 2” tap for the carbon feed system and repair raw water mixer. The ASR

Well repair is underway, with injection tubes reinstalled and the motor is being evaluated for repair. A cost analysis is being conducted to determine whether repair or replacement is more economical. Lime removal from the lagoons is also in progress.

Kyle Danley advised the committee that staff replaced RO membranes on one of the skids with a new manufacture that was recently piloted for the expansion project and approved by the DNR. This is the first time using these membranes in the full-scale RO and will provide an opportunity to compare the performance to the previous membranes.

Kyle Danley informed the committee that the final work is being completed on a new high lift VFD project at the Fleur Water Treatment Plant.

ITEM 16: Other Business

No other business

ITEM 17: Adjourn

Chair Danley adjourned the meeting at 2:08p.m.