



NORTH TEXAS MUNICIPAL WATER DISTRICT

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WATER COMMITTEE MEETING MINUTES JULY 27, 2022

The Presiding Officer will be present at the meeting location, the NTMWD Administrative Offices, 501 E. Brown Street, Wylie, Texas 75098, with two-way video and audio communication between Board members participating by videoconference, establishing a quorum. The public may attend the meeting in person at the meeting location. Audio and video of Board members participating by videoconference will be visible to members of the public in attendance at the meeting location. The meeting will be recorded, and the audio recording will be available on the NTMWD website after the meeting.

Members of the public wishing to listen to live audio from the meeting may do so by calling in at (469) 210-7159 or toll free (844) 621-3956 and entering the following access code: 928 587 040. Please note this line will not provide for two-way communication and public comment at the meeting must be made in person at the meeting location.

I. CALL TO ORDER

Chairman Terry Anderson served as the Presiding Officer and called the meeting of the North Texas Municipal Water District (NTMWD) Water Committee to order at 3:00 p.m. on Wednesday, July 27, 2022. General instructions were provided to attendees. Any reference to unanimous votes refers to a unanimous vote of the Committee members present.

The following Water Committee members were present; therefore, a quorum was present.

	Water Committee Members	Attendance
1	Terry Anderson, Chair	Present
2	Marvin Fuller	Remote
3	Don Gordon	Remote
4	David Hollifield	Remote
5	Chip Imrie	Remote
6	Geralyn Kever	Remote
7	Larry Thompson	Absent

Members of the Executive Committee were present as well as other Board members. Executive Director Jenna Covington and other members of the NTMWD management team were in attendance.

The following consultants participated by videoconference:

- Lauren Kalisek – Lloyd Gosselink Rochelle & Townsend

II. PUBLIC COMMENTS

Prior to the start of the meeting, speakers must complete and submit a “Public Comment Registration Form.” During the public comment portion of the meeting, speakers will be recognized by name and asked to provide their comments. The time limit is three (3) minutes per speaker, not to exceed a total of thirty (30) minutes for all speakers. The Committee may not discuss these items but may respond with factual or policy information.

There were no requests for public comment.

III. OPENING REMARKS

- A. Chairman/Executive Director/Committee Champion Status Report concerning legislation and regulatory matters, budgets, current projects and ongoing programs of the District including the Regional Water System, Watershed Protection, and Water Conservation

Chairman Anderson welcomed the new Committee members and announced that Geralyn Kever has agreed to be the Committee Vice-Chair.

Deputy Director Billy George reviewed the following items on tomorrow's Board Meeting agenda:

- CAI No. 22-07-04 authorizes a supplement to the 2019 NTMWD Water Conservation Plan required to comply with TCEQ requirements associated with water use permit applications for return flows discharged from the Sabine Creek Wastewater Treatment Plant and the City of Bonham Wastewater Treatment Plant. This item is a companion to the Water Committee and Board items regarding consideration of the filing of water reuse applications for those return flows.
- CAI No. 22-07-05 authorizes an amendment to the existing agreement between TDC-DRI McKinney Phase I, LLC related to the relocation of an NTMWD waterline to support TDC-DRI's proposed commercial development. This amendment adds a valve installation and associated work. All costs will be reimbursed by the company.

Mr. George reviewed that regarding regional drought and dry weather water demands, the Board of Directors tabled the item from last Thursday, so there will be a detailed discussion with the full Board tomorrow. There will be a brief update as part of today's Water Committee meeting.

Executive Director Jenna Covington offered welcoming comments to the Committee.

IV. ACTION ITEMS

- A. Consider approval of Water Committee meeting minutes – June 22, 2022

Upon a motion by Director Chip Imrie and a second by Director Geralyn Kever, the Water Committee voted to approve the meeting minutes for June 22, 2022.

B. Adoption of Resolution No. 22-31 authorizing the execution of an application to the Texas Commission on Environmental Quality (TCEQ) - Consent Agenda Item No. 22-07-03

- Consider recommendation on adoption of Resolution No. 22-31 authorizing the Executive Director to execute an application with the TCEQ for filing of water use permit applications for the Sabine Creek and City of Bonham Wastewater Treatment Plants return flows in the amount of \$102,275 for legal fees and administrative fees for filing and posting

Assistant Deputy Galen Roberts presented this item. He advised this request is to recommend authorizing the Executive Director to file an application and any other documents necessary to secure authorization for the conveyance, diversion and use of return flows from Sabine Creek Wastewater Treatment Plant and the City of Bonham Wastewater Treatment Plant.

Mr. Roberts explained that the Sabine Creek Wastewater Treatment Plant (WWTP) is operated by NTMWD and treats wastewater generated by the City of Fate and Royse City. Sabine Creek WWTP is permitted to discharge up to 5 million gallons per day (MGD) in the Lake Tawakoni watershed. Currently it is discharging up to 3 MGD. The existing permit allows for expansion to 5 MGD. The reuse of wastewater return flows is a recommended water management strategy for the District in the 2021 Region C Water Plan. Approval of this item will allow the District to file an application with the Texas Commission on Environmental Quality (TCEQ) to seek the right to convey Sabine Creek WWTP return flows for subsequent diversion and use from Lake Tawakoni.

Mr. Roberts advised that the City of Bonham Wastewater Treatment Plant (WWTP) is owned and operated by the City of Bonham. The Bonham WWTP is permitted to discharge up to 2.5 MGD in the Bois d'Arc Lake watershed. The return flows are generated from water supplied to the City of Bonham through the NTMWD Bonham Water Treatment Plant and are intended to be dedicated to the environment through a future Board action. This is consistent with the NTMWD settlement agreement for Bois d'Arc Lake with the National Wildlife Federation and the Texas Chapter of the Sierra Club. Approval of this item will allow the District to file an application with the TCEQ to seek the right to convey return flows from the Bonham WWTP for subsequent diversion and use from Bois d'Arc Lake.

Mr. Roberts reviewed the TCEQ requirement of including a water conservation plan with the new water right application. He advised that the 2019 NTMWD Water Conservation Plan was supplemented in January 2022 with the addition of Appendix J, and the Board will consider supplementing Appendix J for submission of water rights for Sabine Creek and Bonham return flows. He noted that there is no change in the body of the Conservation Plan.

Upon a motion by Director Don Gordon and a second by Director Geralyn Kever, the Water Committee voted to recommend approval to the Board of Directors.

C. **Authorize Amendment No. 7 to the Construction Manager At-Risk (CMAR) agreement for the Wylie Water Treatment Plant (WTP) projects - Administrative Memorandum No. 5845**

- Consider recommendation on authorizing Amendment No. 7 to the CMAR agreement with MWH Constructors, Inc. in the amount of \$31,535,200.95 for partial guaranteed maximum price No. 3 for Project No. 101-0390-15, Wylie WTP Biologically Active Filtration, Project No. 101-0496-18, Wylie WTP Ammonia System Improvements and Project No. 101-0517-18, Wylie WTP II Structural and Mechanical Improvements – Phases I & II

Assistant Deputy Mark Simon presented this item. He advised this item is to recommend approval for funding for Amendment No. 7 to the Construction Manager At-Risk agreement for the Wylie Water Treatment Plant (WTP) Biologically Active Filtration project, the Ammonia System Improvements project, and the WTP II Structural and Mechanical Improvements project.

Mr. Simon reviewed that there have been two prior Partial Guaranteed Maximum Price (GMP) Packages previously approved by the Board for this project. Partial GMP No. 1 was for Clearwell Demo and Rehab in the amount of \$30,654,586.47, and Partial GMP No. 2 in the amount of \$15,029,979.54. This request is for Partial GMP No. 3 consisting of four bid packages: Reconfigure Clearwells 2-1 and 2-2; replace the roof on Clearwell 3-1; joint work repair; and electrical work. Supplemental packages include CMAR's Field Quality Control Testing and Unquantified Concrete Restoration. An aerial map of the facility site was reviewed.

Mr. Simon advised that the CMAR estimate at 90 percent plan review in February was approximately \$26.5 million. The low bid received in June was \$44 million. Possible reasons for that cost increase were discussed. Mr. Simon advised that staff and the CMAR reviewed the scope of the project in detail and determined it could be reduced by delaying some added items. The negotiated amount is now at \$31,535,200.95 and includes the General Contractors, fees, and contingency.

In response to a Director's question, Mr. Simon responded that this work at Plant IV should be completed sometime in 2025.

In response to a question raised by a Director in attendance as to why concrete is being used to replace the roof at Clearwell 3-1, Mr. Simon advised that the roof is currently a flat concrete roof. It needs to be replaced due to deterioration and a flat roof does not meet TCEQ requirements so slope will be added. He added that other materials for the roof are not compatible with the water treatment process.

In response to a Director's question, Mr. Simon advised that while some projects are bid by the District, use of a CMAR is beneficial especially for large projects. He added that in this case, had the District bid the project, there would not have been opportunity to reduce the scope of the project and re-negotiate the price.

Upon a motion by Director Chip Imrie and a second by Director Don Gordon, the Water Committee voted to recommend approval to the Board of Directors.

D. Authorize execution of an interlocal agreement (ILA) with Tarrant Regional Water District and the City of Dallas for Raw Water Optimization and Reliability Evaluation - Administrative Memorandum No. 5846

- Consider recommendation on authorizing the Executive Director to execute an ILA with Tarrant Regional Water District and the City of Dallas in the amount of \$400,000 to study the feasibility and reliability of existing water supply and transmission infrastructure

Assistant Deputy R.J. Muraski presented this item. He advised this item is to recommend authorizing an Interlocal Agreement with Tarrant Regional Water District (TRWD) and the City of Dallas to study the feasibility and reliability of existing water supply and transmission infrastructure to deliver water from existing and proposed reservoirs for its optimum delivery and use in the North Central Texas region.

Mr. Muraski advised that the NTMWD, TRWD and Dallas, provide 90 percent of the water for Region C. He advised that:

- NTMWD has water rights or contractual supply in Lavon Lake, Lake Texoma, Bois d'Arc Lake, Lake Tawakoni and Lake Fork
- TRWD has water rights in Lake Arlington, Lake Benbrook, Lake Bridgeport, Cedar Creek Reservoir, Richland Chambers Reservoir, Eagle Mountain Lake and Lake Worth
- Dallas has water rights or contractual supply in Ray Roberts Lake, Lewisville Lake, Grapevine Lake, Lake Ray Hubbard, Lake Tawakoni, Lake Fork and Lake Palestine

A map was provided that reflected locations of each entities' primary reservoirs and pipelines.

Mr. Muraski advised that an Interlocal Agreement will allow NTMWD, TRWD and Dallas to participate in an optimization and reliability evaluation, which will be performed in multiple informed phases. He advised that Dallas would administer the consultant services contract. The initial term of this Agreement shall be for five (5) years, with ability to renew and extend for three (3) successive one-year terms. NTMWD, TRWD and Dallas agree to share equally in the cost, not to exceed \$1.2 million. He noted that these organizations have worked together on other projects.

Mr. Muraski advised that the document is still in draft form but is substantially complete. He added that this is something that has been requested by District Directors in the past and confirmed that the request is for approval of execution of the Agreement and for funding of the District's share of \$400,000.

Several Directors spoke in favor of this item. A Director inquired whether there is any way for these organizations to share treated water (in addition to raw water). Mr. Muraski responded that it may be possible for the District to share with Dallas and that can be explored in the future.

Upon a motion by Director Don Gordon and a second by Director Chip Imrie, the Water Committee voted to recommend approval to the Board of Directors.

V. DISCUSSION ITEMS

- A. Update on drought conditions, regional water demands, demand reduction efforts, regional coordination and related items

Billy George presented this item. He advised this item was tabled at the last Board meeting and the information has been updated since then. He advised that the District's service area is now in severe or extreme drought conditions. He noted that the weather forecast indicates a chance of rain Friday and Saturday and advised that even a small amount will reduce outdoor water usage.

Mr. George provided a graph of NTMWD 7-day average pumping that reflected 643 million gallons were pumped on July 12th. The graph also compared 2022 actuals to 2000, 2020 and 2021. Mr. George noted that peak water usage normally is mid to late August. He commended the cities and partners of the District for their proactive efforts to get the conservation message out to the residents.

Models and triggers included in the Water Resource Emergency Management Plan will be reviewed at the Board meeting tomorrow.

Director Kever suggested that information be assembled as to what the various cities and customers are doing to support and share the conservation efforts.

Executive Director Covington advised that meetings are scheduled on Monday with City Managers and Utility Directors to discuss the situation.

There was a brief discussion as to the amount of water cities use in flushing water lines and the need to do so. The impact of new residential developments and the amount of water used to establish new lawns and plantings was noted.

- B. Update on stream gage and zebra mussel monitoring efforts

Assistant Deputy Galen Roberts presented this item. He reviewed that the NTMWD has partnered with the U.S. Geological Survey (USGS) since 2009 on efforts related to stream gauges, water quality, and zebra mussel monitoring. Joint funding agreements between USGS and NTMWD have facilitated this effort. The program provides:

- Flow and quality data for Bois d'Arc Creek
- Lake elevation data for Bois d'Arc Lake
- Dispersal, survival, and growth of zebra mussel populations
- Information on formation of taste/odor compounds in source water
- Stream flow and water availability studies

Mr. Roberts explained that Zebra mussels are an invasive species that can adhere to water infrastructure and limit the flow of water through intakes and pipelines. Monitoring data is used by NTMWD staff to support operations and maintenance, permitting, and water quality monitoring. State and federal agencies also use monitoring data for planning, research, and reporting. Mr. Roberts advised that currently Lake Texoma contains an established, reproducing population of Zebra

mussels. Lake Tawakoni and Lake Lavon have had them on one or more occasions noted by the presence of Zebra mussel DNA, however there are no juvenile or adults detected at this time. No detections or no data are available yet for Lake Chapman and Bois d'Arc Lake. Mr. Roberts noted that Lake Tawakoni is also monitored by USGS agreements with Dallas.

Mr. Roberts explained that recreational watercraft are the primary source of transport for the Zebra mussels. The District has teamed up with the Texas Park and Wildlife to support a campaign encouraging "Clean, Drain, Dry" as a message to educate the public on ways to not transport the Zebra mussels to another reservoir.

Mr. Roberts reviewed key components of the draft FY23 Joint Funding Agreement with USGS, advising that the District's funding contribution will be \$187,000 with USGS' portion being \$42,000. The total is \$229,000.

The District will also have a FY23 Joint Funding Agreement with USGS for Stream Gage Monitoring. He advised the monitoring of Bois d'Arc Creek is critical to planning and permitting efforts for Bois d'Arc Lake and is required to maintain compliance with the water right permit for the Lake. Components of the Agreement include:

- Operation & maintenance of an elevation gage on Bois d'Arc Lake
- Operation and maintenance of the existing streamflow gages on Bois d'Arc Creek at FM 271, FM 100, FM 409 and Hwy 56
- Water quality monitoring on Bois d'Arc Creek at Hwy 56 & FM 409

The draft funding agreement is for a total of \$135,010, with the District's contribution being \$116,490 and the USGS portion being \$18,520.

Mr. Roberts advised these two agreements will likely be included on the Board of Directors Consent agenda in August.

In response to a Director's question regarding Lake Ray Hubbard, Mr. Roberts advised that there are no active adult Zebra populations in the Upper East Fork.

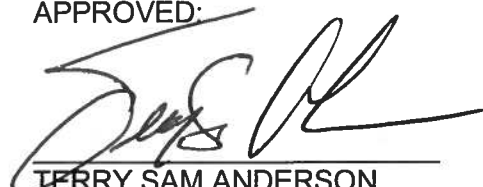
- C. Opportunity for Committee members to provide feedback on Water Committee meeting or request potential future agenda items

There were no comments or requests for future agenda items.

VI. ADJOURNMENT

There being no further business, the meeting of the Water Committee adjourned at 4:35 p.m.

APPROVED:



TERRY SAM ANDERSON
Chairman