CITY OF NORMAN, OK
AIM NORMAN COMPREHENSIVE PLAN
WATER/WASTEWATER SUB-COMMITTEE

Development Center, Room B, 225 N. Webster Ave., Norman, OK 73069
Friday, October 11, 2024 at 9:00 AM

MINUTES

The AIM Norman Comprehensive Plan Water/Wastewater Sub-Committee of the City of Norman, Cleveland County, State of Oklahoma, will meet in Regular Session at the Development Center, Conference Room B, on Friday, October 11, 2024 at 9:00 AM and notice of the agenda of the meeting was posted at the Norman Municipal Building at 201 West Gray, Development Center at 225 N Webster Ave, and on the City website at least 24 hours prior to the beginning of the meeting.

CALL TO ORDER

Chair Dan Bergey called the meeting to order at 9:07 am.

ROLL CALL

Present
Dan Bergey, Chair
Kyle Arthur
Doris Kupfer
Dr. David Sabatini
Bill Scanlon (left 11:30)
James Chappel (Alternate - arrived 9:10)

Absent
Mark Daniels
Karen Goodchild
Hossein Farzaneh
Dr. Robert Knox (Alternate)

Consultants
Cole Niblett, Garver
Michael Nguyen, Garver

Staff
Anthony Purinton, Assistant City Attorney
Chris Mattingly, Utilities Director
Peter Wolbach, Staff Engineer
Gay Webb, Administrative Technician

Chair Dan Bergey welcomed everyone to the meeting.

1. CONSIDERATION OF APPROVAL, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF THE MINUTES AS FOLLOWS:

   AIM NORMAN COMPHRENSIVE PLAN AMENDED WATER/WASTEWATER SUB-COMMITTEE MEETING MINUTES OF SEPTEMBER 20, 2024.

Motion by Doris Kupfer to approve minutes of September 20, 2024, AIM Norman Comprehensive Plan Water/Wastewater Sub-Committee meeting minutes, Second by Bill Scanlon.

Doris asked for clarification of Lake Thunderbird firm yield. Cole will include a description of the permanent yield and a history of the conjunctive yield in the final report.

The motion passed unanimously with a vote of 5 - 0.

DISCUSSION ITEMS

2. REVIEW OF PREVIOUS WATER MASTER PLAN DISCUSSIONS

Cole opened the discussion with a review of demand projections used to plan for water through 2045. Most are in line with previous master plan projections.

- 136 gallons per capita per day – average day demand
- 150 gallons per capita per day – including 10% reserve
- 250 gallons per capita per day – maximum day demand
- 275 gallons per capita per day – including 10% reserve

Distribution system minimum requirements vs goals

- Minimum pressure 25 psi - goal 40 psi
- Fire flow 1,000 gpm residential minimum – 1,500 gpm commercial minimum - goal 1,500 gpm throughout the system

Cole reviewed sub-committee non-monetary scores with reliability, implementability, environmental impact and drought resistance scoring the highest. A significant difference from the last master plan is independence scored the highest in the last master plan.

At the time of the last master plan, there was some concern with purchasing water from OKC. The previous OKC water contract was on-demand, which comes at a premium rate. When Norman changed to a base pay rate, with consistent flow, the price went down significantly which alleviated previous concerns. In addition, a SE Oklahoma water partnership with OKC was voted down by the public due to uncertainty. This is where some of the fear of independence in water supply from OKC may have manifested.

The OKC water connection is located at Telephone Road & SW 34th St. in Moore. Treated water from Lake Draper, supplied by the Atoka Pipeline, flows directly into the distribution system. Areas North of Tecumseh Road, West of 36th are fed by OKC water. Norman currently uses 1 MGD but can reserve up to 6 MGD through the current connection.

Updates made to the Non-Monetary Score vs 20-Year Life Cycle Cost

- DPR costs are a bit higher – added conveyance from Lake Thunderbird to the water plant
- North WRF IPR costs a bit lower – removed some duplicate conveyance costs

Members discussed graph showing how additional water supply from OKC, new wells and reuse could be implemented over a 1-year, 5-year and 10-year horizon. Will need 12 MGD over the next 20 years. Can get additional 5 MGD from OKC connection now and continue drilling wells, this could provide half the additional supply needed. At the 5 – 10 mark, could expand a second connection to OKC and continue IPR/DPR evaluation. One good approach is to utilize Lake Thunderbird and OKC as base flow and peak with the wells. At 10-year mark either have IPR/DPR and drill additional wells or get additional water from OKC. Can use demand triggers to help identify when we need additional connection to OKC or implement reuse. Kyle asked if the demand curve could be superimposed on the slide as well.

Kyle mentioned we should be prepared to explain how the implementation timeline water supply options are ordered. Cole said the non-monetary score vs 20-year life cycle cost slide shows the most advantageous alternatives located in the bottom right corner of the grid, OKC and GW New Wells Disinfection Only. Working from lowest costs up, bottom right to top left, in order of quickest implementability.

Dr. Sabatini mentioned the cost of a new well could double in the next several years, which would affect the scoring. Cole noted OKC costs could also go up, projecting based on historical behavior.

Dan asked if we could include a slide showing what other communities purchase water from OKC and the quantity they purchase. Dr. Sabatini suggested including a bubble showing the cities water rates.

Kyle recommended including rate study information to show Norman has some of the lowest rates.

Doris asked how many new wells are planned? Twelve new wells projected to produce 5 MGD. *Upon further discussion following the meeting, 12 wells won't provide 5 MGD of flow. Estimated flow from 12 wells would be closer to 2-3 MGD. This means the estimated cost will not provide the 5 MGD as shown.*

Bill mentioned being prepared for Chromium-6 discussion when talking about wells. Chris said the EPA is currently reviewing the Chromium level limit, which is 100 ppm. The EPA ruling is expected in 2027. Chromium found in Norman's water is naturally occurring.

Dan suggested preparing a fact sheet.

3. DISCUSSION REGARDING THE 20-YEAR WATER CIP

Cole moved on to discuss the 20-year water CIP.

Three new storages tanks anticipated over the 20-year CIP horizon

- New Southeast Elevated Storage Tank
- Ground Storage Tank at Groundwater Treatment Site
- New Northeast Elevated Storage Tank

CIP Improvements focus on transmission and storage

5-Year CIP Improvements Overview
Indian Hills Transmission – Phase I
Eastern Transmission Loop – Phase I
Jenkins Ave Loop
Chautauqua Ave Loop
Southeast EST

10-Year CIP Improvements Overview
Indian Hills Transmission – Phase II
Proposed OKC Connection
Ground Storage Tank and Pump Station

20-Year CIP Improvements Overview
Eastern Transmission Loop – Phase II
Robinson Transmission
Northeast EST

20-Year CIP Improvements Costs

Transmission and Storage Improvements	$153.0M
Supply Improvements	$413.0M
Improvements Total	$566.0M

Suggestion made to include costs associated with each 5-year CIP Improvement slide.

Cole would like to include cost for disinfection of GW wells. The full report will include a capital outlay graph, with costs projected.

Doris asked for more information regarding reuse planning.

Kyle asked if the plan would include decision points of when to pivot to other water source options, if IPR/DPR is not feasible.

Dr. Sabatini asked how drought tolerant is OKC. OKC water comes from two reservoirs. OKC water supply is all surface water but they do have extensive water rights they are not utilizing. OKC's first water conservation trigger is an 80% reduction in their surface water supply from their base water elevation. Norman's conservation measures are more stringent than OKC; we are allowed to follow our conservation measures.

Doris asked if the new land use plan would consider conservation for new development. Dan has mentioned it but there has not been a lot of discussion.

4. REVIEW OF PREVIOUS WASTEWATER MASTER PLAN DISCUSSIONS

Cole moved on to discuss the wastewater master plan. No major changes to the existing WRF expansion from previous conversations. Looked at map for alternate WRF sites.

- SE WRF – South of Lindsey and 72nd SE
- NE WRF – North of Tecumseh and 72nd NE
- North WRF – 12th NE and Franklin

Gravity interceptors look largely the same regardless of WRF locations. They address the gravity flow issues with the ridge from NW to SE Norman.

- Lower Little River Interceptor
- Rock Creek Interceptor
- Dave Blue Creek Interceptor

Cole reviewed summary of WRF and conveyance costs for full-buildout costs to 2060. Maintaining existing WRF is most cost effective over the next 20 years but can always expand collection system to a new WRF site if we see growth in the North or East.

5. DISCUSSION REGARDING THE 20-YEAR WASTEWATER CIP

Cole reviewed a 5, 10, 20-year timeline for CIP improvement projects in the existing basin. These are large interceptors targeted at reducing overflow potential at locations receiving the highest flow in the collection system.

- Eagle Cliff Interceptor Upgrade
- Imhoff Interceptor Upgrade
- Lower Bishop Interceptor Upgrade
- Upper Bishop Interceptor Upgrade
- Lift Station D Upgrade
- Upper Bishop Phase II Upgrade
- Westside Interceptor Upgrade
- 12th Ave Interceptor Upgrade

Discussed 5 and 10-year CIP improvements focusing on new sewer basins. These are projected improvements, if we see growth in eastern Norman. They can be delayed until we meet the demand trigger.

20-Year CIP Cost Information

Existing WRF Improvements	$57.5M
East Conveyance Network Projects	$248.3M
Existing Network Improvements	$95.3M
20-Year CIP Total	$401.1M

Bill would like to see costs for 5, 10, 20-year projections.

MISCELLANEOUS COMMENTS

Cole said they plan to have draft water and wastewater master plan reports available before the December meeting. Dan recommended breaking into micro-groups to review the final draft master plans.

Chris shared a copy of the OKC water contract and a water rate comparison of surrounding communities. He encouraged members to call staff if they have any questions.

Dr. Sabatini asked if cost curves will be shown in the final report. Cole said a year by year cash spend will be shown.

Bill left at 11:30 am. Quorum no longer present.

Next AIM Steering Committee meeting is November 13th at 5:30 pm at the Wellness Center. Waiting for members to respond to poll to determine the next AIM Water/Wastewater Sub-Committee meeting, either December 6th or December 13th.

ADJOURNMENT

The meeting adjourned at 11:45 am.

Passed and approved on this Dec 13 day of 2024.

Dan Bergey, Chair