



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

Development Center, Room B, 225 N. Webster Ave., Norman, OK 73069
Friday, July 12, 2024 at 9:00 AM

AGENDA

It is the policy of the City of Norman that no person or groups of persons shall on the grounds of race, color, religion, ancestry, national origin, age, place of birth, sex, sexual orientation, gender identity or expression, familial status, marital status, including marriage to a person of the same sex, disability, relation, or genetic information, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination in employment activities or in all programs, services, or activities administered by the City, its recipients, sub-recipients, and contractors. In the event of any comments, complaints, modifications, accommodations, alternative formats, and auxiliary aids and services regarding accessibility or inclusion, please contact the ADA Technician at 405-366-5424, Relay Service: 711. To better serve you, five (5) business days' advance notice is preferred.

All AIM Sub-Committee Meetings are not regular meetings of the AIM Norman Comprehensive Plan Steering Committee, but the Steering Committee will be invited to attend, and this notice is being posted in compliance with the Oklahoma Open Meetings Act in the event of a quorum.

CALL TO ORDER

MINUTES

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

AIM NORMAN COMPREHENSIVE PLAN WATER/WASTEWATER SUB-COMMITTEE MEETING MINUTES OF MAY 14, 2024.

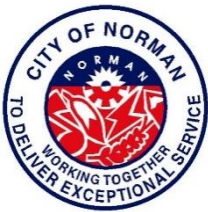
DISCUSSION AND POSSIBLE ACTION ITEMS

2. DISCUSSION AND POSSIBLE ACTION ON BASELINE TECHNICAL MEMOS
3. DISCUSSION AND POSSIBLE ACTION ON PRELIMINARY FINDINGS OF LAKE THUNDERBIRD PREDICTIVE LAKE OPTIMIZATION TOOL (PLOT) STUDY
4. DISCUSSION AND POSSIBLE ACTION ON WATER SUPPLY NEEDS AND ALTERNATIVES
5. DISCUSSION AND POSSIBLE ACTION ON THE WATER DISTRIBUTION SYSTEM HYDRAULIC MODEL UPDATE AND EXISTING SYSTEM ASSESSMENT
6. DISCUSSION AND POSSIBLE ACTION ON WASTEWATER TREATMENT NEEDS AND ALTERNATIVES

7. DISCUSSION AND POSSIBLE ACTION ON THE WASTEWATER COLLECTION
SYSTEM MODEL UPDATE AND EXISTING SYSTEM ASSESSMENT

MISCELLANEOUS COMMENTS/NEXT STEPS

ADJOURNMENT



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

**Central OK Master Conservancy District, 12500 Alameda Dr., Norman, OK
73026**

Tuesday, May 14, 2024 at 10:00 AM

MINUTES

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Chair Dan Bergey called the meeting to order at 10:02 am.

ROLL CALL

Present

Dan Bergey, Chair
Kyle Arthur
Doris Kupfer
Mark Daniels
Dr. David Sabatini
Bill Scanlon

Absent

Karen Goodchild
Hossein Farzaneh
Dr. Robert Knox (Alternate)
James Chappel (Alternate)

Guests Present

Tim Carr, COMCD
Helen Grant, Ward 4 Councilmember
Shavonne Evans, AIM Steering Committee Member
Lee Hall, AIM Steering Committee Member
Amanda Nairn, AIM Steering Committee Member

Consultants

Michael Nguyen, Garver

Staff

Anthony Purinton, Assistant City Attorney

Nathan Madenwald, Utilities Engineer

Peter Wolbach, Staff Engineer

Gay Webb, Administrative Technician

Chair Dan Bergey welcomed everyone to the meeting.

MINUTES

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

AIM NORMAN COMPREHENSIVE PLAN WATER/WASTEWATER SUB-COMMITTEE MEETING MINUTES OF APRIL 12, 2024.

Nathan Madenwald pointed out a minor sentence correction.

Motion by Mark Daniels to approve amendment to amended minutes of April 12, 2024, AIM Norman Comprehensive Plan Water/Wastewater Sub-Committee meeting minutes, as described by Nathan Madenwald, **Second** by Kyle Arthur.

The motion passed unanimously with a vote of 6 – 0.

Motion by Doris Kupfer to approve the further amended minutes of April 12, 2024 AIM Norman Comprehensive Plan Water/Wastewater Sub-Committee meeting minutes, **Second** by Dr. David Sabatini.

The motion passed unanimously with a vote of 6 – 0.

Nathan Madenwald introduced Anthony Purinton, from the City Attorney's office. Anthony will serve as the legal representative for the sub-committee, replacing Kathryn Walker.

ACTION ITEMS

2. TOUR OF THE CENTRAL OKLAHOMA MASTER CONSERVANCY DISTRICT FACILITY

Kyle Arthur, COMCD General Manager shared the history of Central Oklahoma Master Conservancy District. COMCD was formed as a legal entity in 1959. Congress authorized construction of The Norman Project, now called Lake Thunderbird, in 1960. COMCD executed a 50-year contract with the Bureau of Reclamation (BOR) in 1961 for construction, operation and maintenance of the reservoir. Construction began in 1962 and was complete in 1965. As part of the agreement Norman, Midwest City and Del City agreed to pay back \$20 million dollars, half the cost of the construction. The cost of the lake was paid off in 2016.

A seven-member Board governs COMCD: 3 representatives from Norman, 3 representatives from Midwest City and 1 representative from Del City. The primary function of the District is to provide water supply to Norman, Midwest City and Del City. COMCD maintains the property, operates the dam, and works closely with Oklahoma Department of Tourism and Recreation.

The contract established the water supply allocation: Norman 43.8%, Midwest City 40.4% and Del City 15.8%. The three cities pay costs of operations and maintenance and debt repayment based upon supply allocation percentages. Power costs are billed to each city based on actual power usage.

Kyle explained the plant footprint and provided water supply information.

- Normal pool elevation 1039'
- Top of flood pool 1049.4'
- Top of dam 1071'
- Pumping capacity 32 MGD
- Norman pipeline 8.4 miles long
- Reservoir firm yield 12,700 ac-ft/year
- Permit from Oklahoma Water Resources Board for 21,600 ac-ft/year
- US Army Corp of Engineers, Tulsa District manages flood releases
- All three cities have a contract with BOR to utilize water when it exists in the flood pool. An Oklahoma Water Resource Board permit is required to use water in the flood pool. Over the last three years, Norman has averaged 1,143 ac-ft/year using water from the flood pool. This equals 12% of their regular allocation or about 25 days equivalent of summer lake demand.
- A permitted municipality utilizing water from the flood pool does not count against their established water supply allocation.

Pumps, SCADA/telemetry upgrades, equipment storage building and emergency generators were purchased with funds received from the American Rescue Plan Act. Currently updating the reservoir water supply yield model and sampling for contaminants of emerging concern.

Members toured the COMCD facility.

DISCUSSION ITEMS

3. OVERVIEW OF CENTRAL OKLAHOMA MASTER CONSERVANCY DISTRICT PURPOSE AND ACTIVITIES

Kyle defined reservoir basics and discussed dependability of the reservoir. Permit yield and firm yield model scenarios were reviewed. The models are tools used to assist in understanding the dependability of the reservoir under various conditions. The goal is to maximize beneficial use of water while being prepared to manage through a severe drought.

The most recent BOR sediment survey indicated a slightly lower sedimentation rate than original estimate; this can help prolong the life of the lake. The BOR is working on an enhanced yield model based on tree ring analysis, specific for central Oklahoma. Studying model information from the past will help plan for the future and help with reservoir management in times of shortage.

4. UPDATE ON WASTEWATER COLLECTION SYSTEM HYDRAULIC MODEL

Item 1.

Michael Nguyen, Garver provided a handout and an update on the wastewater collection model. Garver has recalibrated the dry-weather, wet-weather flow and peaking factor parameters, based on sewer flow data from OU meters. Currently calibrating the wastewater model with the flow data. They are also studying a two-plant scenario and reuse potential.

5. UPDATE ON WATER DISTRIBUTION SYSTEM HYDRAULIC MODEL

Michael provided an update on the water distribution model. Garver has updated the water model with pipe alignment/pipe diameter data from GIS. Completed pressure logging and hydrant flow testing. They are currently calibrating the water model based on flow test data.

Updated models will help size sewer and water lines accordingly, when planning for future service areas.

6. MICRO-GROUP REPORTS

The committee discussed the purpose of the micro-groups and ways to communicate within the groups. No more than four members allowed per micro-group, to comply with the open meeting requirements. Dan said the goal for the micro-groups is to have an endorsement of the two reports by the July 12 meeting.

Nathan Madenwald said staff is available to meet with micro-groups, if requested. Anthony Purinton provided guidance on Open Meeting Act requirements.

MISCELLANEOUS COMMENTS

Dan Bergey announced the next meeting might be a tour of the Draper Water Treatment Plant in Oklahoma City, date to be determined.

Dr. Sabatini suggested a reuse case study presentation.

Staff will provide members with a draft land use map and water supply information prior to the next meeting.

ADJOURNMENT

The meeting adjourned at 2:00 pm.

Passed and approved on this _____ day of 2024.

Dan Bergey, Chair