



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

Development Center, Room B, 225 N. Webster Ave., Norman, OK 73069
Wednesday, January 10, 2024 at 9:00 AM

MINUTES

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 405-366-5446, 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.

Chair Dan Bergey called the meeting to order at 9:00 am

ROLL CALL & PROJECT TEAM INTRODUCTIONS

Present

Dan Bergey, Chair
Mark Daniels
Dr. David Sabatini
Bill Scanlon
Karen Goodchild
Hossein Farzaneh
Kyle Arthur
Doris Kupfer (Alternate)
James Chappel (Alternate)

Absent

Dr. Robert Knox

Guests Present

Amada Nairn, AIM Steering Committee Member
Lee Hall, AIM Steering Committee Member

Consultants

Amy Haase, RDG
Molly Hanson, RDG

Bailey Aldridge, RDG
Marty Shukert, RDG
Cole Niblett, Garver
Mary Elizabeth Mach, Garver
Evan Tromble, Garver
Michael Nguyen, Garver

Staff

Beth Muckala, Assistant City Attorney
Chris Mattingly, Utilities Director
Nathan Madenwald, Utilities Engineer
Gay Webb, Administrative Technician

Chair Dan Bergey welcomed everyone to the meeting. Cole Niblett, Oklahoma Water Team Leader for Garver, introduced himself and asked members and guests to introduce themselves.

WATER & WASTEWATER MASTER PLANNING PROCESS OVERVIEW

A. REVIEW OF PREVIOUS MASTER PLANS/REPORTS

B. REVIEW OF EXISTING SYSTEMS

Cole explained the goal of the meeting is to introduce the Garver team, explain the water and wastewater master planning process and familiarize members with the existing systems and challenges.

Sub-committee members were asked for major interests or priorities as it relates to Norman's water and wastewater infrastructure. Members expressed interest in wastewater reuse, future water security, groundwater management protection, Lake Thunderbird management, infrastructure for development, development affecting natural waterways and how this process links to development and growth from a cost and environmental impact.

Cole provided an overview of the master planning process. Both water and wastewater master plans will be developed using four specific tasks. At the conclusion of each task, the team will provide a summary of major findings to the sub-committee for input, review and feedback.

- Task 1 Baseline Development establishes the demands and areas of new growth to be serviced
- Task 2 Existing System Assessments evaluate the future demands against existing capacities
- Task 3 Alternative Evaluations consider the viable options to meet capacity gaps
- Task 4 Plan Development combines the preferred alternatives into a single plan, with phasing as needed

Cole described Norman's water supply and distribution system. The water supply comes from three main sources: surface water from Lake Thunderbird, groundwater wells and a wholesale water connection from Oklahoma City. Norman's water distribution system extends generally from 48th Ave W to 36th Ave E and consists of the well field, water mains, storage tanks and the Water Treatment Plant. Water discussion included withdrawal rates from and water levels within

the Garber-Wellington Aquifer, Lake Thunderbird design/capacity/firm yield, augmentation and the Norman water well field. Specifically for Lake Thunderbird, the life of the reservoir was also discussed. Kyle Arthur discussed the design of the lake and expected life of the reservoir. Generally, the 50-100 year life is referring to the siltation estimate of the lake. The Bureau of Reclamation estimates how fast the siltation will fill up the dead storage (volume below the intake to the bottom of the lake) when designing a lake. Siltation will occur for every lake and, even when the siltation of the dead storage occurs, the lake will still continue to function though any additional siltation will then begin to proportionately reduce the volume of storage to be used for water supply.

Cole described the existing sewer collection system, which is comprised of numerous sub-basins and lift stations. A ridge divides the sewershed into two main basins, the Little River sewershed to the north and the Canadian River sewershed to the south. This topography feature splits the flow on either side. The Water Reclamation Facility (WRF) was built in the 1940s and began as a set of lagoons. The infrastructure has been rehabbed many times, with the last major sewer plant expansion completed in 2016. The Water Reclamation Facility has been master planned to build toward future potable reuse opportunities as well as future permit changes.

WATER SCOPE REVIEW

A. WATER MODELING CONCEPTS

B. WATER SUPPLY PLAN UPDATES & CONCEPTS

Cole referenced previous reports that will be revisited and noted deliverables expected to be received during this master planning process. The 2060 Strategic Water Supply Plan will be reviewed and updated to include projected growth within the service area and new areas, regulatory and permit changes and how water quality regulations will impact costs for treatment compared to alternate water supplies. Review of the distribution system modeling report will focus on delivery pressure, improvements to southeast portion of the distribution system along 24th Ave SE, pressure plane improvements and expansion of water mains along Robinson and 24th Ave SE.

WASTEWATER SCOPE REVIEW

A. WASTEWATER COLLECTION CONCEPTS

B. WASTEWATER TREATMENT/REUSE CONCEPTS

The wastewater master plan update will include review of several engineering reports as they relate to reuse at the existing facility. The team will also evaluate expansion of the existing facility compared to a new North WRF.

DISCUSS SCHEDULE, DELIVERABLES, AND WORKSHOPS

The group discussed frequency of meetings. Workshops are scheduled for April 12th, July 12th, October 11th with a final presentation December 2024. Members suggested additional meetings may be needed. Amy Haase, RDG, recommended waiting until the next meeting to determine if more meetings should be scheduled. Tasks 1 and 2 information will be discussed at the April 12th meeting. Members are encouraged to reach out to Chris Mattingly, Nathan Madenwald or Garver staff, if they have any questions prior to workshops.

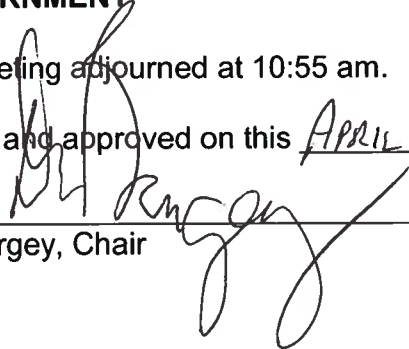
DISCUSS NEXT STEPS

Sub-committee members will receive a copy of the presentation and links to reports referenced. Technical Memos will be sent to members prior to meetings for review. Amy Haase shared that AIM Norman Steering Committee presentations are available on the AIM Norman website, a link will be provided. Mary Elizabeth Mach said members are welcome to attend the AIM Norman Steering committee meetings, which will be held the second Wednesday of each month at 6:00 pm at the Adult Wellness & Education Center. She also encouraged members to complete the water survey on the AIM Norman website.

ADJOURNMENT

The meeting adjourned at 10:55 am.

Passed and approved on this APRIL 12 day of 2024.



Dan Bergey, Chair