



ASSOCIATION OF
CENTRAL OKLAHOMA
GOVERNMENTS



GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE



Chair
Vacant

Vice-Chair

Mark Hamm

Moore Councilmember

Secretary/Treasurer

Matt Dukes

Midwest City Mayor

Executive Director

Mark W. Sweeney, AICP

AGENDA: THURSDAY
JUNE 29, 2023
2:30 P.M.

Association of Central Oklahoma Governments

4205 N. Lincoln Blvd. | Oklahoma City, OK 73105 | 405.234.2264 | acogok.org

THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE WILL HOLD A REGULAR MEETING ON THURSDAY, JUNE 29, AT ACOG IN THE OKLAHOMA BOARD ROOM, 4205 N. LINCOLN BLVD., OKLAHOMA CITY, OKLAHOMA.

Please notify ACOG at 405.234.2264 (TDD/TTY Call 711 Statewide or email title.vi@acogok.org, by 5 p.m. Monday, June 26, if you require accommodations pursuant to the Americans with Disabilities Act or Section 504 of the Rehabilitation Act.

AGENDA

1. CALL TO ORDER ([ATTACHMENT 1](#))
 2. APPROVAL OF THE MINUTES – APRIL 27, 2023 ([ATTACHMENT 2](#))
 3. STAFF REPORT: John Harrington, Water Resources Director. *For information only.*
 - A. DROUGHT UPDATE ([ATTACHMENT 3-A](#))
 - B. SANDSTONE MAPPING UPDATE ([ATTACHMENT 3-B](#))
 - C. FUTURE PROJECTS ([ATTACHMENT 3-C](#))
 4. PROGRESS REPORT: John Harrington, Water Resources Director ([ATTACHMENT 4](#)) *For information only.*
 5. NEW BUSINESS
 6. ADJOURN
-

NEXT MEETING:

Thursday, August 31, 2023, at 2:30 p.m.

ATTACHMENT 1

GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
BETHANY	Hon. Nikki Lloyd Mayor	Hon. Chris Powell Vice-Mayor
		Hon. Kathy Larsen Councilmember
CALUMET	Hon. Terry Brungardt Trustee	Hon. Michael Snyder Trustee
CHOCTAW	Hon. Cody Brewer Councilmember	Hon. Chad Allcox Mayor
CRESCENT	Hon. Jim Neal Councilmember	Hon. Greg Cummings Mayor
DEL CITY	Hon. Floyd Eason Mayor	Hon. Pam Finch Vice-Mayor
		Hon. Michael Dean Councilmember
EDMOND	Hon. Barry K. Moore Councilmember	Hon. Darrell Davis Mayor
EL RENO	Hon. Amy Neathery Councilmember	Hon. David Black Vice-Mayor
		Hon. Steve Jensen Mayor
FOREST PARK	Hon. Rashanna Baker Trustee	Hon. Stephen Miller Trustee
		Hon. George H. Smith Mayor/Trustee
GEARY	No Designee	Hon. Bobby Allen Mayor
GOLDSBY	Hon. Glenn Berglan Trustee	Hon. Darrell Ingram Vice-Mayor
GUTHRIE	Hon. Steven J. Gentling Mayor	Hon. Adam Ropp Councilmember
HARRAH	Hon. Tim Rudek Councilmember	Hon. Jeff Brzozowski Councilmember
JONES CITY	Hon. Missy Wilkinson Mayor	Hon. Chris Calvert Trustee
LANGSTON CITY	No Designee	Hon. Magnus Scott Trustee

GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
LEXINGTON	Hon. Mike Donovan Councilmember	Hon. Max Punneo Vice-Mayor
LUTHER	Hon. Terry Arps Mayor	Hon. Joshua Rowton Trustee
		Hon. Carla Caruthers Trustee
MIDWEST CITY	Hon. Matt Dukes Mayor	Hon. Pat Byrne Vice-Mayor
		Hon. Rick Favors Councilmember
MOORE	Hon. Mark Hamm Councilmember	Hon. Glenn Lewis Mayor
		Any Moore Councilmember
MUSTANG	Hon. Brian Grider Mayor	Hon. James Wald Councilmember
NICHOLS HILLS	Hon. E. Peter Hoffman, Jr. Councilmember	Hon. Sody Clements Vice-Mayor
NICOMA PARK	Hon. Mark Cochell Mayor	Hon. Mike Czerczyk Vice Mayor
NOBLE	Hon. Phil Freeman Mayor	Hon. George Schmerer Councilmember
NORMAN	Hon. Larry Heikkila Mayor	Hon. Stephen Holman Councilmember
OKARCHE	Hon. Jeff Brueggen Trustee	Hon. Jeff Sadler Trustee
OKLAHOMA CITY	Hon. Todd Stone Councilmember	Any Oklahoma City Councilmember
PIEDMONT	Hon. Rob Jones Councilmember	Hon. Byron Schlomach Councilmember
		Hon. Ryan Aller Councilmember
SLAUGHTERVILLE	Hon. Leah Grady Trustee	Hon. Eugene Dicksion Trustee
SPENCER	Hon. Frank Calvin Mayor	Hon. Charmin Williams Vice Mayor
THE VILLAGE	Hon. David Bennett Councilmember	Hon. Sean Cummings Vice-Mayor
		Hon. Melodie Moore Councilmember

GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
TUTTLE	No Designee	Hon. Austin Hughes Councilmember
UNION CITY	Hon. Pat Derosa Trustee	Hon. Keith Dennis Trustee
		Hon. Ryan Dawson Vice-Mayor
WARR ACRES	Hon. Roger Godwin Mayor	Hon. John Knipp Councilmember
		Hon. Mike Schmidt Councilmember
YUKON	Hon. Shelli Selby Mayor	Hon. Jeff Wootton Vice-Mayor
CANADIAN COUNTY	Hon. Tom Manske Commissioner	Hon. David Anderson Commissioner
		Hon. Tracey Rider Commissioner
CLEVELAND COUNTY	Hon. Rod Cleveland Commissioner	Hon. Rusty Grissom Commissioner
LOGAN COUNTY	Hon. Mark Sharpton Commissioner	Hon. Monty Piearcy Commissioner
OKLAHOMA COUNTY	Hon. Carrie Blumert Commissioner	Hon. Myles Davidson Commissioner
		Hon. Brian Maughan Commissioner
TINKER AIR FORCE BASE (Associate Member)	Ms. Stephanie Wilson Base Civil Engineer	Mr. Brad Beam Deputy Base Civil Engineer



ATTACHMENT 2

SUBJECT:

MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

DATE:

APRIL 27, 2023

A regular meeting of the Garber-Wellington Association Policy Committee was convened at 3:55 p.m., Thursday, April 27, 2023, at Association of Central Oklahoma Governments (ACOG) in the Oklahoma Board Room, 4205 N. Lincoln Blvd., Oklahoma City, Oklahoma. The meeting was held, as indicated, by advance notice filed with the Oklahoma County Clerk and by notice posted at the ACOG offices at least 24 hours prior to the meeting.

PRESIDING CHAIR

Hon. Matt Dukes, Mayor

ENTITY

Midwest City

BOARD MEMBERS PRESENT

Hon. Glenn Berglan, Mayor
Hon. Matt Dukes, Mayor
Hon. Phil Freeman, Mayor
Hon. Larry Heikkila, Mayor
Hon. Mark Sharpton, Commissioner

ENTITY

Goldsby
Midwest City
Noble
Norman
Logan County

BOARD MEMBERS ABSENT

Hon. Kathy Larsen, Councilmember
Hon. Michael Snyder, Trustee
Hon. Chad Williams, Councilmember
Hon. Floyd Eason, Mayor
Hon. Josh Moore, Councilmember
Hon. Amy Neatherly, Mayor
No Designee
Hon. Warren G. Carter, Councilmember
Hon. Steven J. Gentling, Mayor
Hon. Tim Rudek, Councilmember
No Designee
Hon. Mike Donovan, Councilmember
Hon. Terry Arps, Mayor
Hon. Mark Hamm, Councilmember
Hon. Peter Hoffman, Mayor
Hon. Mark Cochell, Mayor
Hon. Joe Frisby, Trustee
Hon. Todd Stone, Councilmember
No Designee
No Designee
Hon. Frank Calvin, Mayor
Hon. Sonny Wilkinson, Mayor
Hon. Mary Smith, Vice-Mayor
Hon. Charlie Ross, Vice-Mayor
Hon. Roger Godwin, Mayor
Hon. Shelli Selby, Mayor

ENTITY

Bethany
Calumet
Choctaw
Del City
Edmond
El Reno
Forest Park
Geary
Guthrie
Harrah
Langston City
Lexington
Luther
Moore
Nichols Hills
Nicoma Park
Okarche
Oklahoma City
Piedmont
Slaughterville
Spencer
The Village
Tuttle
Union City
Warr Acres
Yukon

BOARD MEMBERS ABSENT (Cont.)

Hon. Tom Manske, Commissioner
Hon. Rod Cleveland, Commissioner
Hon. Rusty Grissom, Commissioner
Hon. Carrie Blumert, Commissioner

ASSOCIATE MEMBERS ABSENT

No Designee

GUESTS PRESENT

Michael Taylor, Assist. City Manager
Pete White, Attorney

ACOG STAFF PRESENT

Mark W. Sweeney
John M. Sharp
Beverly Garner
John Harrington
Anita Kroth
Jimmy Smith
Eric Pollard

ENTITY

Canadian County
Cleveland County
Cleveland County
Oklahoma County

ENTITY

Tinker Air Force Base

ENTITY/AGENCY/BUSINESS

Nichols Hills
ACOG Legal Counsel

POSITION

Executive Director
Deputy Director
Executive Assistant
Water Resources Director
Administrative Assistant
IT Operations Specialist I
Air Quality & Clean Cities Manager

MINUTES

1. CALL TO ORDER - INTRODUCTION OF GUESTS

Presiding Chair Matt Dukes called the meeting to order at 3:55 p.m.

2. APPROVAL OF MINUTES - FEBRUARY 23, 2023

Mayor Phil Freeman, Noble, made a motion to approve the February 23, 2023 minutes of the Garber-Wellington Association Policy Committee meeting. Mayor Glen Berglan, Goldsby, seconded the motion. The motion carried unanimously.

3. STAFF REPORT**A. DROUGHT UPDATE**

Rainfall for the first three months of 2023 for Central Oklahoma has registered at about 88 percent of normal, but the drought situation has only improved in southeastern Oklahoma.

Western Oklahoma is still locked in exceptional or extreme drought, with the meteorological station at Guymon looking at 225 days without a quarter inch of rain or better. Drought in southeastern Oklahoma has been eliminated, with the dividing line following the Interstate 44 corridor.

Recharge to the Garber-Wellington Aquifer over the past two months (February and March) saw a combined recharge of 0.44 inches; this is about 10 percent more than average. The distribution of the recharge has been dominant in the eastern areas of the aquifer, while municipalities such as Edmond and Yukon received no recharge.

Surface water conditions improved, mostly due to Lake Atoka filling up because of the good winter rains in that part of the state. Canton Lake is still only at 70 percent, due to the drought conditions in Blaine County. Overall surface water capacity is about the same as a year ago at 92 percent full.

A transition from La Niña to ENSO-neutral occurred during the February-April 2023 time interval. Although this could bring slightly wetter conditions to Oklahoma, the three-month drought projection from the National Weather Service suggests that the spring rains will only improve, not eliminate, drought in Oklahoma.

Most drought cycles in Oklahoma last 3-5 years. We will be looking at drought for another 2-4 years

B. SANDSTONE MAPPING UPDATE

2020 604(b) Project: Guthrie Area

All cross-sections in both the Guthrie area and in the Lexington area have been completed. Sand thickness maps in these areas have been generated for the Guthrie area. The Lexington area will be completed in May 2023. The draft report will be available in June 2023.

2021 604(b) Project: Geologic Modeling Garber-Wellington Aquifer

The workplan has been approved and the Quality Assurance Project Plan (QAPP) has been approved by the Environmental Protection Agency (EPA). Work is expected to start July 2023.

C. 2023 LEGISLATIVE UPDATE

The 2023 legislative session has produced several bills that are interesting. The graphic below shows the status of these bills as of April 19, 2023.

BILL NO.	SUBJECT	DESCRIPTION	COMMENT	STATUS
HB1711	Medical Marijuana Farms	Requiring transmission of monthly usage reports in certain format to the Oklahoma Medical Marijuana Authority	Marijuana farms consume considerable amounts of groundwater and thus should have some monitoring requirements.	DEAD
HB1940	Groundwater Permits	This bill modifies the rules to make flat permit fees for both temporary and regular permits. The permit fees shall not increase or decrease in proportion to the volume of water or for any other reason.	This simplifies the fee schedule and allows better financial planning for smaller systems.	Reported Do Pass as amended Energy and Telecommunications committee; CR filed 4/13/2023
HB1943	Wastewater Treatment Plants	Any new rules or regulations promulgated by the Department of Environmental Quality regarding construction requirements for wastewater treatment plants shall not apply to the new wastewater treatment plant until after the expiration of a term of fifteen (15) years.	This allows the plant to operate without issues to its financial stability for the first 15 years of use.	DEAD

HB1982	Oklahoma Water Resources Board	Ends the ability of the OWRB to adopt, modify or repeal and promulgate standards of quality of the waters of the state and to classify such waters according to their best uses in the interest of the public under such conditions as the Board may prescribe for the prevention, control, and abatement of pollution.	This gives the ODEQ sole authority over water quality issues in the state.	ENROLLED TO HSE 04/26/2023
HB2293	Statewide Drought and Flood Plain Act of 2023	Water and water rights; creating the Flood and Drought Management Task Force.	Mostly organizes a couple of committees.	REF FOR ENG
HB2313	OWRB Business Development Revolving Fund	There is hereby created "Oklahoma Water Resources Board Business Development Revolving Fund". The fund shall be a continuing fund, not subject to fiscal year limitations, and shall consist of all monies received by the Oklahoma Water Resources Board.	Not sure of the impact of this.	DEAD
SB0165	Fluoride in Public Water Supplies	Every county, municipality, city, town, school, or political subdivision thereof, or public or private business operating in the state is hereby prohibited from introducing or depositing fluoride or any chemical containing fluoride into a public water supply.	The CDC argues that not only is fluoride safe to consume in water, but it is also effective. Because fluoridated water keeps minimal amounts of fluoride in the mouth throughout the day, this allows fluoride to actively fight tooth decay.	DEAD
SB0851	Basin Integrity Study	A "basin integrity study" means a scientific study to determine sustainable instream flow regimes tailored for certain basins in certain seasons in this state. Results of such studies shall meet the demand of consumptive and nonconsumptive uses including, but not limited to, sustainable growth, water quality, tourism, economic development, agricultural, environmental, industrial, and municipal.	Need to define funding mechanism for this.	DEAD

4. PROGRESS REPORT

John Harrington pointed out that the progress report was available for review in the agenda.

5. NEW BUSINESS

There was no new business stated.

6. ADJOURN

There being no further business, Mayor Matt Dukes adjourned the meeting at 4:15 p.m.



ATTACHMENT 3-A

SUBJECT

DROUGHT UPDATE

DATE:

JUNE 29, 2023

FROM:

JOHN HARRINGTON
Water Resources Director

INFORMATION:

The drought outlook has significantly improved with the announcement from the Climate Prediction Center of an "El Nino Advisory". In general, this means cooler and more importantly, wetter fall and winter months. Now we just have to get through July, August, and September.

Southeastern Oklahoma is essentially drought-free. However, Western and Central Oklahoma remains in extreme drought. The drought is now affecting approximately 1,663,862 people in Oklahoma. Total drought removal is not likely yet.

Recharge to the Garber-Wellington Aquifer over the past five months (January to May) saw a cumulative recharge of 1.41 inches; this is about 96 percent of average. The distribution of the recharge has been dominant in the eastern areas of the aquifer, while municipalities such as Edmond and Yukon have received about half the average recharge.

Surface water conditions have remained mostly constant. Canton Lake is still only at 65 percent, but that is likely to change as the weather patterns in June are favoring precipitation in western Oklahoma. Overall surface water capacity is about 92 percent full.

Most drought cycles in Oklahoma last 3-5 years. We may be looking at drought for another 1-3 years.

ACTION REQUESTED:

For information only.



ATTACHMENT 3-B

SUBJECT:

SANDSTONE MAPPING UPDATE

DATE:

JUNE 29, 2023

FROM:

JOHN HARRINGTON
Water Resources Director

INFORMATION:

2020 604(b) Project: Guthrie Area

Sand thickness maps have been generated for the south half of the 2020 604(b) project area. The draft report will be available in July 2023.

2021 604(b) Project: Geologic Modeling Garber-Wellington Aquifer

The workplan has been approved and the Quality Assurance Project Plan (QAPP) has been approved by the EPA. Work is expected to start September 2023.

ACTION REQUESTED:

For information only.



ATTACHMENT 3-C

SUBJECT:

FUTURE PROJECTS

DATE:

JUNE 29, 2023

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

For the next fiscal year, ACOG staff will be focused on the 2021 604(b) project: Geologic Modeling Garber-Wellington Aquifer. This project will integrate Norman data from the 2015 project into the existing database created by the 18604(b), 19604(b), and 20604(b) projects.

The project will create and/or update existing Norman cross-sections, as well as produce an aquifer-wide integrated 3D geologic model for future integration into existing municipal groundwater models as part of future 604(b) projects.

Other projects approved in the 604(b) grant process are:

22604(b) - Effects on Aquifer Recharge from the Proposed Turnpike in Norman.

Assess the effects on aquifer recharge from the proposed turnpike in Norman.

22604(b) BIL - Source Tracking for Bacteria - North Canadian River

This project would continue the decadal ACOG sampling of bacteria in the urban corridor and watersheds of the North Canadian River and would apply fluorometry as a tool to address sources.

Proposed workplans for 604(b) consideration follow the 21604(b) project by incorporating the aquifer-wide sandstone isopach work into groundwater model updates.

23604(b) 6 - City of Norman Groundwater Model Update

The ACOG portion of the 2013 604(b) grant funded a study that generated a groundwater model for the City of Norman. The focus of the FY 2013 study was to provide a refined MODFLOW model of the Norman well field, utilizing data from the regional USGS study (Mashburn, et. al., 2014) and the City of Norman Utilities Department.

23604(b) 5 - City of Noble Well Field Groundwater Model

A secondary model to the City of Norman model incorporating the municipal alluvial terrace wells.

ACTION REQUESTED:

For information only.



ATTACHMENT 4

SUBJECT: **PROGRESS REPORT**

DATE:
JUNE 29, 2023

FROM:
JOHN HARRINGTON
Water Resources Director

INFORMATION:

ACOG Drought Program

The drought outlook has significantly improved with the announcement from the Climate Prediction Center of an "El Nino Advisory." In general, this means cooler and more importantly, wetter fall and winter months. Now we just have to get through July, August, and September.

Southeastern Oklahoma is essentially drought-free. However, Western and Central Oklahoma remain in extreme drought. The drought is now affecting approximately 1,663,862 people in Oklahoma. Total drought removal is not likely yet.

Recharge to the Garber-Wellington Aquifer over the past five months (January to May) saw a cumulative recharge of 1.41 inches; this is about 96 percent of average. The distribution of the recharge has been dominant in the eastern areas of the aquifer, while municipalities such as Edmond and Yukon have received about half the average recharge.

Surface water conditions have remained mostly constant. Canton Lake is still only at 65 percent, but that is likely due to change as the weather patterns in June are favoring precipitation in western Oklahoma. Overall surface water capacity is about 92 percent full.

Most drought cycles in Oklahoma last 3-5 years. We may be looking at drought for another 1-3 years. Since the last progress report, two monthly drought reports have been generated.

2020 604(b) Project: Guthrie Area

Sand thickness maps have been generated for the south half of the 2020 604(b) project area. The draft report will be available in July 2023.

2021 604(b) Project: Geologic Modeling Garber-Wellington Aquifer

The workplan has been approved and the Quality Assurance Project Plan (QAPP) has been approved by the Environmental Protection Agency (EPA). Work is expected to start September 2023.

The FY 18-20 604(b) mapping projects produced cross-sections and net sand isopach maps for most of the aquifer. These mapping programs utilized the Aquaveo GMS database structure, which integrates the GIS capabilities of ArcGIS with MODFLOW. To achieve an aquifer-wide database coverage and geologic model, additional data from the 2015 Norman area project must be integrated into the GMS database structure.

A geologic model for the entire aquifer will be produced, which can then be integrated into the groundwater models generated by the FY 2013-16 604(b) projects. The workplan has been approved and the Quality Assurance Project Plan (QAPP) has been approved by the EPA. Work is expected to commence in July 2023.

2022 604(b) - Effects on Aquifer Recharge from the Proposed Turnpike in Norman

The proposed Turnpike will run through a major portion of the nonurban recharge area of the Garber-Wellington Aquifer in the City of Norman. Although the route at present is mostly rural, inevitable urbanization will take place along the route.

This usually results in hardened surfaces, such as parking lots and roofing along the route, resulting in less recharge to the aquifer and more overland flow into the watershed. Less recharge may affect the water table for domestic and municipal supplies and may also affect or downgrade potential drilling areas for additional well fields in the aquifer. The workplan proposal has been approved by the EPA.

2022 604(b) BIL - Source Tracking for Bacteria - North Canadian River

The main objective of this project is to substantiate the relationship between flow, fluorescence, and pathogen concentrations in the North Canadian River and several major tributaries for purposes of determining human generated sources for pathogens. This project would continue the decadal ACOG sampling of bacteria in the urban corridor and watersheds of the North Canadian River and would apply fluorometry as a tool to address sources.

This project will be different from the 2011 study with the aspect that the bacteria samples will be subject to UV light before the application of the fluorometer. The workplan proposal was sent to the Office of the Secretary of Energy and Environment (OSEE) and the EPA in May 2022. The workplan proposal has been approved by the EPA.

Proposed workplans for 604(b) consideration follow the 21604(b) project by incorporating the aquifer-wide sandstone isopach work into groundwater model updates.

23604(b) 6 - City of Norman Groundwater Model Update

The ACOG portion of the 2013 604(b) grant funded a study that generated a groundwater model for the City of Norman. The focus of the FY 2013 study was to provide a refined MODFLOW model of the Norman well field, utilizing data from the regional USGS study (Mashburn, et. al., 2014) and the City of Norman utilities department.

23604(b) 5 - City of Noble Well Field Groundwater Model

A secondary model to the City of Norman model incorporating the municipal alluvial terrace wells.

TECHNICAL ASSISTANCE SURFACE WATER PROJECTS

229003 - Logan Co RWD#1 Wasteload Allocation

Three sites being considered on streams in Logan County. Will utilize the LaQual model and DESKTOP models for evaluation.

- City of Minco Waste load Allocation
- City of Noble Wasteload Allocation
- We will be modifying the WASP model on the Canadian River for two new wasteload allocations.

ACTION REQUESTED:

For information only.