



ASSOCIATION OF
CENTRAL OKLAHOMA
GOVERNMENTS



GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE



Chair

Mark Hamm

Moore Councilmember

Vice-Chair

Matt Dukes

Midwest City Mayor

Secretary/Treasurer

David Bennett

The Village Councilmember

Executive Director

Mark W. Sweeney, AICP

AGENDA: THURSDAY
AUGUST 31, 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, AUGUST 31, 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, August 28, 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 – JUNE 29, 2023 ([ATTACHMENT 2](#))
 3. STAFF REPORT: John Harrington, Water Resources Director. *For information only.*
 - A. DROUGHT UPDATE ([ATTACHMENT 3-A](#))
 - B. 208 SURFACE WATER PROJECTS ([ATTACHMENT 3-B](#))
 - C. GROUNDWATER PROJECTS UPDATE ([ATTACHMENT 3-C](#))
 4. PROGRESS REPORT: John Harrington, Water Resources Director ([ATTACHMENT 4](#)) *For information only.*
 5. NEW BUSINESS
 6. ADJOURN
-

NEXT MEETING:

Thursday, October 26, 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. 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 |
| OKARCHIE | 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. 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. Rusty Grissom Commissioner | Hon. Rod Cleveland 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) | Stephanie Wilson Base Civil Engineer | Brad Beam Deputy Base Civil Engineer |



ATTACHMENT 2

SUBJECT:

MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

DATE:

JUNE 29, 2023

A regular meeting of the Garber-Wellington Association Policy Committee was convened at 3:29 p.m., Thursday, June 29, 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. Mark Hamm, Councilmember

ENTITY

Midwest City

BOARD MEMBERS PRESENT

Hon. Kathy Larsen, Councilmember
Hon. Glenn Berglan, Mayor
Hon. Tim Rudek, Councilmember
Hon. Matt Dukes, Mayor
Hon. Phil Freeman, Mayor
Hon. Larry Heikkila, Mayor
Hon. Tomas Manske, Commissioner
Hon. Tracey Rider, Commissioner
Hon. Mark Sharpton, Commissioner

ENTITY

Bethany
Goldsby
Harrah
Midwest City
Noble
Norman
Canadian County
Canadian County
Logan County

BOARD MEMBERS ABSENT

Hon. Michael Snyder, Trustee
Hon. Chad Williams, Councilmember
Hon. Floyd Eason, Mayor
Hon. Amy Neatherly, Mayor
No Designee
Hon. Warren G. Carter, Councilmember
Hon. Steven J. Gentling, Mayor
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

Calumet
Choctaw
Del City
El Reno
Forest Park
Geary
Guthrie
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. Rod Cleveland, Commissioner
Hon. Rusty Grissom, Commissioner
Hon. Carrie Blumert, Commissioner

ASSOCIATE MEMBERS ABSENT

Stephanie Wilson, TAFB Civil Engineer

GUESTS PRESENT

David Bennett, Mayor
Michael Taylor, Assist. City Manager
Pete White, Attorney

ACOG STAFF PRESENT

Mark W. Sweeney
John Harrington
Beverly Garner
Anita Kroth
Jimmy Smith

ENTITY

Cleveland County
Cleveland County
Oklahoma County

ENTITY

Tinker Air Force Base

ENTITY/AGENCY/BUSINESS

The Village
Nichols Hills
ACOG Legal Counsel

POSITION

Executive Director
Water Resources Director
Executive Assistant
Administrative Assistant
IT Operations Specialist I

MINUTES

1. CALL TO ORDER - INTRODUCTION OF GUESTS

Presiding Vice-Chair Mark Hamm called the meeting to order at 3:29 p.m.

2. APPROVAL OF MINUTES - JUNE 29, 2023

Director Glenn Berglan made a motion to approve the April 27, 2023, minutes of the Garber-Wellington Association Policy Committee meeting. Mayor Glenn Berglan seconded the motion. The motion carried unanimously.

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

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. We must now 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 on 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.

B. SANDSTONE MAPPING UPDATE

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.

C. FUTURE PROJECTS

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.

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, Vice-Chair Mark Hamm adjourned the meeting at 3:50 p.m.



ATTACHMENT 3-A

SUBJECT

DROUGHT UPDATE

DATE:

AUGUST 31, 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.

Oklahoma is coming slowly out of drought with just a couple of persistent drought areas still active. Jackson County in far southwest Oklahoma is still in severe drought, as is Kay and Osage Counties in northern Oklahoma. Abnormally dry areas have developed in southeastern Oklahoma but have not progressed to drought status yet.

The Garber-Wellington Aquifer over the past seven months (January to July) saw a cumulative recharge of 1.03 inches; this is about 52 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 improved remarkably due to the summer rainfall. Canton Lake went from 65 percent to essentially full in the past two months. All reservoirs are at or near capacity.

Most drought cycles in Oklahoma last 3-5 years. If the rainfall continues as the El Nino strengthens, drought could be eliminated in the latter part of 2023.

ACTION REQUESTED:

For information only.



ATTACHMENT 3-B

SUBJECT:

208 SURFACE WATER PROJECTS

DATE:

AUGUST 31, 2023

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

Progress has been made with the surface modeling projects. The Chisholm Creek, Opossum Creek, and Cowbell Creek models have been finished and reports completed.

Updates to the 208 Plan will be forthcoming on the Canadian River Water Quality Analysis Simulation Program (WASP) model. Changes and updates for Minco, Tuttle, and Noble will be made, reflecting expansions and changes to the wastewater treatment plant discharge locations and capacities.

ACTION REQUESTED:

For information only.



ATTACHMENT 3-C

SUBJECT:

GROUNDWATER PROJECTS UPDATE

DATE:

AUGUST 31, 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. Work will commence in September 2023.

Other work planned for September is the 22604(b) - Effects on Aquifer Recharge from the Proposed Turnpike in Norman, which will assess the effects on aquifer recharge from the proposed project. A quality assurance project plan under the new EPA guidelines will be submitted in September 2023.

ACTION REQUESTED:

For information only.



ATTACHMENT 4

SUBJECT: **PROGRESS REPORT**

DATE:
AUGUST 31, 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.

Oklahoma is coming slowly out of drought with just a couple of persistent drought areas still active. Jackson County in far southwest Oklahoma is still in severe drought, as are Kay and Osage Counties in northern Oklahoma. Abnormally dry areas have developed in southeastern Oklahoma but have not progressed to drought status yet.

The Garber-Wellington Aquifer over the past seven months (January to July) saw a cumulative recharge of 1.03 inches; this is about 52 percent on 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 improved remarkably due to the summer rainfall. Canton Lake went from 65 percent to essentially full in the past two months. All reservoirs are at or near capacity.

Most drought cycles in Oklahoma last 3-5 years. If the rainfall continues as the El Nino strengthens, drought could be eliminated in the latter part of 2023.

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 was submitted 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 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 commenced 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.

The workplan proposal has been approved by the EPA. The quality assurance project plan (QAPP) will be submitted in September 2023.

TECHNICAL ASSISTANCE 208 SURFACE WATER PROJECTS

229003 - Logan Co RWD#1 Wasteload Allocations

The Chisholm Creek, Opossum Creek, and Cowbell Creek models have been finished and reports completed.

Updates to the 208 Plan will be forthcoming on the Canadian River Water Quality Analysis Simulation Program (WASP) model. Changes and updates for Minco, Tuttle, and Noble will be made reflecting expansions and changes to the wastewater treatment plant discharge locations and capacities.

ACTION REQUESTED:

For information only.