



ASSOCIATION OF
CENTRAL OKLAHOMA
GOVERNMENTS



GARBOR-WELLINGTON ASSOCIATION POLICY COMMITTEE



Chair

Matt Dukes

Midwest City Mayor

Vice-Chair

David Bennett

The Village Mayor

Secretary/Treasurer

Tim Rudek

Harrah Councilmember

Executive Director

Mark W. Sweeney, AICP

AGENDA: THURSDAY
DECEMBER 12, 2024
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, DECEMBER 12, 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, December 9, 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 - OCTOBER 24, 2024** ([ATTACHMENT 2](#)) *Action requested.*
3. **STAFF REPORT:** John Harrington, Water Resources Director. *For information only.*
 - A. **DROUGHT UPDATE** ([ATTACHMENT 3-A](#))
 - B. **2025 OKLAHOMA COMPREHENSIVE WATER PLAN** ([ATTACHMENT 3-B](#))
 - C. **GARBER-WELLINGTON ASSOCIATION (GWA) PROJECTS UPDATE** ([ATTACHMENT 3-C](#))
4. **GWA PROGRESS REPORT:** John Harrington, Water Resources Director. ([ATTACHMENT 4](#))
For information only.
5. **NEW BUSINESS**
6. **ADJOURN**

NEXT MEETING:

Thursday, February 27, 2025, at 2:30 p.m.

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. Claudia Browne Councilmember
EDMOND	Hon. Darrell Davis Mayor	Hon. Barry K. Moore Councilmember
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
GEARY	No Designee	Vacant
GOLDSBY	Hon. Glenn Berglan Trustee	Hon. Darrell Ingram Trustee
GUTHRIE	Hon. Steven J. Gentling Mayor	Hon. Adam Ropp Councilmember
HARRAH	Hon. Tim Rudek Councilmember	Hon. Jeff Brzozowski Councilmember
		Hon. Bernadette Klimkowski Councilmember
JONES CITY	Hon. Chris Calvert Vice-Mayor	Hon. Casey Burwell Trustee
LANGSTON CITY	Hon. Michael Boyles Mayor	Hon. Magnus Scott Trustee
		Hon. Misty B. Mayes Trustee

GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
LEXINGTON	Hon. Mike Donovan Mayor	Hon. Max Punneo Councilmember
		Hon. Raul Trejo Councilmember
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. Kathy Griffith Councilmember	Any Moore Councilmember
MUSTANG	Hon. Brian Grider Mayor	Hon. James Wald Councilmember
NICHOLS HILLS	Hon. E. Peter Hoffman, Jr. Mayor	Hon. Sody Clements Councilmember
NICOMA PARK	Hon. Mark Cochell Mayor	Hon. Jeff Caudill Councilmember
		Hon. Steve West Vice-Mayor
NOBLE	Hon. Phil Freeman Mayor	Hon. George Schmerer Councilmember
		Hon. Chad Terrill Councilmember
NORMAN	Hon. Larry Heikkila Mayor	Hon. Stephen Holman Councilmember
OKARCHE	Hon. Jeff Brueggen Trustee	Hon. Jeff Sadler Mayor
OKLAHOMA CITY	Hon. Matt Hinkle 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 Mayor	Hon. Melodie Moore Vice-Mayor

GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
TUTTLE	Hon. Trey Buck Councilmember	Hon. Larry Watson Councilmember
UNION CITY	Hon. Keith Dennis Trustee	Hon. Bob McGregor Mayor
		Hon. Ryan Dawson Vice-Mayor
WARR ACRES	Hon. Roger Godwin Mayor	Hon. Vickie Douglas Vice-Mayor
		Vacant
YUKON	Hon. Shelli Selby Councilmember	Hon. David Enmark Councilmember
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. Charlie Meadows Commissioner
		Hon. Monty Pearcey Commissioner
OKLAHOMA COUNTY	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



SUBJECT:

MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

DATE:

OCTOBER 24, 2024

A regular meeting of the Garber-Wellington Association Policy Committee (GWAPC) convened at 2:40 p.m., Thursday, October 24, 2024, 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. Darrell Davis, Mayor

Hon. Glenn Berglan, Trustee

Hon. Steven Gentling, Mayor

Hon. Tim Rudek, Councilmember

Hon. Misty B. Mayes, Trustee

Hon. Kathy Griffith, Councilmember

Hon. Phil Freeman, Mayor

Hon. Larry Heikkila, Mayor

Hon. Matt Hinkle, Councilmember

Hon. Rob Jones, Councilmember

Hon. David Bennett, Mayor

Hon. Vickie Douglas, Vice-Mayor

Hon. Shelli Selby, Mayor

Hon. Rod Cleveland, Commissioner

Hon. Mark Sharpton, Commissioner

Hon. Charlie Meadows, Commissioner

ENTITY

Edmond

Goldsby

Guthrie

Harrah

Langston City

Moore

Noble

Norman

Oklahoma City

Piedmont

The Village

Warr Acres

Yukon

Cleveland County

Logan County

Logan County

ASSOCIATE MEMBERS PRESENT

None

BOARD MEMBERS ABSENT

Hon. Nikki Lloyd, Mayor

Hon. Terry Brungardt, Trustee

Hon. Cody Brewer, Councilmember

Hon. Jim Neal, Councilmember

Hon. Claudia Browne, Councilmember

Hon. Amy Neathery, Councilmember

Hon. Rashanna Baker, Trustee

No Designee

Hon. Chris Calvert, Vice-Mayor

BOARD MEMBERS ABSENT (Cont.)

ENTITY

Bethany

Calumet

Choctaw

Crescent

Del City

El Reno

Forest Park

Geary

Jones City

ENTITY

Hon. Mike Donovan, Mayor
Hon. Terry Arps, Mayor
Hon. Brian Grider, Mayor
Hon. Peter Hoffman, Mayor
Hon. Mark Cochell, Mayor
Hon. Jeff Brueggen, Trustee
Hon. Leah Grady, Trustee
Hon. Frank Calvin, Mayor
Hon. Trey Buck, Councilmember
Hon. Keith Dennis, Trustee
Hon. Tomas Manske, Commissioner
Hon. Myles Davidson, Commissioner

Lexington
Luther
Mustang
Nichols Hills
Nicoma Park
Okarche
Slaughterville
Spencer
Tuttle
Union City
Canadian County
Oklahoma County

ASSOCIATE MEMBERS ABSENT

Stephanie Wilson, Base Civil Engineer

ENTITY

Tinker Air Force Base

GUESTS PRESENT

Pete White
Michael Taylor, Assistant City Manager
Steve Griffith, Citizen
DeMarria Tryial

ENTITY/AGENCY/BUSINESS

ACOG Legal Counsel
Nichols Hills
Moore
Langston

ACOG STAFF PRESENT

Mark W. Sweeney
John Sharp
John Harrington
Jimmy Smith
Beverly Garner

POSITION

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

MINUTES

1. CALL TO ORDER - INTRODUCTION OF GUESTS

Chair Matt Dukes called the meeting to order at 2:40 p.m.

2. APPROVAL OF MINUTES - AUGUST 29, 2024

Director Phil Freeman made a motion to approve the August 29, 2024, minutes of the Garber-Wellington Association Policy Committee meeting. Director Misty Mayes seconded the motion. The motion carried unanimously.

3. STAFF REPORT

A. DROUGHT UPDATE

In June we ended the El Niño cycle that has given us nice rains over the past year or so. The La Niña cycle started, and we are now pretty much in the middle of it. In other words, we are in the middle of a nice drought.

September and October have had some unusual heat spells. On September 19 and 21 there was record-breaking heat. The first two weeks of October were unusually warm for the season.

Rainfall remained scarce for the past two months, with only one instance of significant precipitation on September 22. At present we are more than three inches below normal precipitation for the Oklahoma City area. Recharge to the aquifer has been essentially zero over the past two months. This is normal for this time of the year.

Drought conditions intensified over the past two months. Drought areas increased from 47 percent of the state on September 1 to 70 percent currently. Population affected by drought nearly doubled from 1,341,295 to 2,521,150.

This La Niña cycle appears to be short-lived and not very intense. Model projections show that we will swing back to El Niño conditions by next April. This implies that the winter will have below average precipitation.

Surface water conditions are presently in decent shape. All reservoirs are above 80 percent capacity. As far as drought preparedness is concerned, we are in adequate condition to manage a drought like the one we just recently had.

B. DEVELOPMENT IN THE WEST EDMOND OIL FIELD

Recently Mr. Cory Beagles, the Fire Chief of the Deer Creek Fire Protection District, inquired about potential groundwater pollution at various sites in the Deer Creek area. He was concerned because of feedback from the public concerning poor groundwater quality. He noted that development in the area tends to be on one acre or larger lots and is reliant on domestic groundwater and septic tanks.

The Deer Creek District is in the West Edmond Oil Field. This oil field was Oklahoma's most important oil discovery of the 1940s. The West Edmond Field produced seven million barrels of oil in 1944 and fifteen million barrels in 1945.

Well spacing for this field was one well every 1320 feet, with some areas every 660 feet. The field is about seventy square miles in area, starting at 63rd Street in Oklahoma City and extending northward to the Logan County line. It lies between Portland Avenue and the Oklahoma County line.

Most of the wells drilled in the 1940's and 1950's were plugged in the 1960's and 1970's. The usual method for plugging was to fill the hole with drilling mud and seal it with five sacks of cement. This is wholly inadequate by today's standards, but was acceptable in the 1960's.

The sites reviewed so far have indications that the quality of the groundwater may be compromised. Much of the analysis is based on aerial photo interpretation from photos dated in 1941, 1951, and 1957.

Recommendations for these sites include test well drilling and/or geophysical resistivity surveys prior to development of the sites.

C. PROJECTS UPDATE

Work is ongoing on the 21604(b) federal grant. However, since ESRI has announced it will no longer support the old ARCMAP software that all the previous cross-section work utilized, the cross-section work will be migrated over to the newer ARCGIS Pro. Unfortunately, this is not a straightforward process and requires redoing of at least a dozen cross-sections.

This project will be the final phase of the sand mapping endeavor started in 2018. Several cross-sections in southern Oklahoma County will be updated and at least five additional cross-sections and net sand maps will be generated in Cleveland County, covering the Norman water well fields.

Sections 50S,45D,48S,46S,33D,36S,31D,38S,34S,10S,08S,06S,09D,7D, and 5D have been completed. Three sections through the City of Norman and the municipal well field have been done. Two more sections are anticipated.

LAQUAL surface water quality models for Opossum and Cowbell Creek have been reviewed by the Oklahoma Department of Environmental Quality. Comments are being addressed.

4. PROGRESS REPORT

- A.** For 2024, ACOG staff will focus on the 2021 604(b) project: Geologic Modeling Garber-Wellington Aquifer. This project will integrate and expand geophysical data from the Norman area into the existing database created by the 18604(b), 19604(b), and 20604(b) projects. Several cross-sections in southern Oklahoma County will be updated and at least five additional cross-sections and net sand maps will be generated in Cleveland County, covering the Norman water well fields.

In addition, the project will produce an aquifer-wide integrated 3D geologic model for integration into existing municipal groundwater models as part of future 604(b) projects. Work commenced in October 2023.

Sections 50S,45D,48S,46S,33D,36S,31D,38S,34S,10S,08S,06S,09D,7D, and 5D have been completed. Three sections through the City of Norman and the municipal well field have been done. Two more sections are anticipated.

Due to the ESRI nonsupport of ArcMap, starting in 2026, all cross-section work is being migrated to ArcGIS Pro.

- B.** LAQUAL surface water quality models for Opossum and Cowbell Creek have been reviewed by the Oklahoma Department of Environmental Quality. Comments are being addressed.
- C.** Since the last Garber-Wellington Association Policy Committee (GWAPC) meeting, two drought reports have been completed.

5. NEW BUSINESS

There was no new business stated.

6. ADJOURN

There being no other business, the meeting was adjourned at 3:12 p.m.



SUBJECT

DROUGHT UPDATE

DATE:

DECEMBER 12, 2024

FROM:

JOHN HARRINGTON
Water Resources Director

INFORMATION:

November 2024 was one for the books. First of all, there were thirty-one tornadoes (tripling the record of twelve set in 1958). Then the rainfall came in at 7.84 inches, taking down the previous November record set in 2015 of 6.05 inches. It was the 16th-wettest calendar month on record, dating back to 1895.

The drought situation reversed almost overnight. The portion of the state that was in extreme drought went to just dry in about a week. Currently only about 18 percent of the state is in some form of drought, mostly in the south and southeast parts of the state. The National Oceanic and Atmospheric Administration (NOAA) and other drought mitigation experts are now talking about almost eliminating drought designation in Oklahoma over the next month or so.

The timing of this is very fortunate. If drought is essentially gone by February, then the spring rains of April through June will be icing on the cake. And we will be going back to El Nino conditions, which gives us another boost to keeping drought at bay. So, 2025 may be a year that is drought-free!

ACTION REQUESTED:

For information only.



SUBJECT:

THE 2025 OKLAHOMA COMPREHENSIVE WATER PLAN

DATE:

DECEMBER 12, 2024

FROM:

JOHN HARRINGTON
Water Resources Director

INFORMATION

In 1974, the Oklahoma Legislature passed a law requiring the Oklahoma Water Resources Board (OWRB) to develop a strategic guide for managing the State's water resources over the next 50 years. This strategic guide is known as the Oklahoma Comprehensive Water Plan which was first published in 1980 and then updated in 1997. The 2012 Plan had four core recommendations concerning infrastructure, data collection, management, and regional planning.

The 2025 Oklahoma Comprehensive Water Plan is now in the process of being developed. Key challenges identified are the characterization of present and future water supplies, infrastructure needs, water quality issues, and drought/flooding preparedness.

Legislation such as vetoed HB 3194 needs to be readdressed. Last month at the Governor's Water Conference in Norman, one of the problems raised was how one manages a resource when one cannot collect information on it.

Online surveys are now available to help the planners at the Oklahoma Water Resources Board (OWRB) develop a comprehensive 2025 Plan that will provide recommended implementation initiatives.

ACTION REQUESTED:

For information only.



ATTACHMENT 3-C

SUBJECT:

GARBER-WELLINGTON ASSOCIATION (GWA) PROJECTS UPDATE

DATE:

DECEMBER 12, 2024

FROM:

JOHN HARRINGTON
Water Resources Director

INFORMATION

Work is ongoing on the 21604(b) federal grant. Staff is in the process of converting all cross-sections in Oklahoma and Cleveland County in the old ESRI format to the updated new format. Twenty cross-sections have been converted and five new sections through the City of Norman are anticipated.

The Cowbell and Opossum Creek wasteload allocations have been updated and submitted to the Oklahoma Department of Environmental Quality for review and comment.

ACTION REQUESTED:

For information only.



SUBJECT:

GWA PROGRESS REPORT

DATE:

DECEMBER 12, 2024

FROM:

JOHN HARRINGTON
Water Resources Director

INFORMATION:

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In addition, in 2025 the project will produce an aquifer-wide integrated 3D geologic model for integration into existing municipal groundwater models as part of future 604(b) projects.

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3. Since the last Garber-Wellington Association Policy Committee (GWAPC) meeting, two drought reports have been completed.

ACTION REQUESTED:

For information only.