



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  
OCTOBER 24, 2024  
2:30 P.M.

Association of Central Oklahoma Governments

4205 N. Lincoln Blvd. | Oklahoma City, OK 73105 | 405.234.2264 | [acogok.org](http://acogok.org)

**THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE WILL HOLD A REGULAR MEETING ON THURSDAY, OCTOBER 24, 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](mailto:title.vi@acogok.org)), by 5 p.m. Monday, October 21, 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 - AUGUST 29, 2024** ([ATTACHMENT 2](#)) *Action Requested.*
  3. **STAFF REPORT:** John Harrington, Water Resources Director *For information only.*
    - A. **DROUGHT UPDATE** ([ATTACHMENT 3-A](#))
    - B. **DEVELOPMENT IN THE WEST EDMOND OIL FIELD** ([ATTACHMENT 3-B](#))
    - C. **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, December 12, 2024, 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/Trustee
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/Trustee	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 Trustee
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
<b>TUTTLE</b>	Hon. Trey Buck Councilmember	Hon. Larry Watson Councilmember
<b>UNION CITY</b>	Hon. Chad Fischer Trustee	Hon. Dale Quigley Trustee
		Hon. Keith Dennis Trustee
<b>WARR ACRES</b>	Hon. Roger Godwin Mayor	Hon. Vickie Douglas Vice-Mayor
		Vacant
<b>YUKON</b>	Hon. Shelli Selby Councilmember	Hon. David Enmark Councilmember
<b>CANADIAN COUNTY</b>	Hon. Tom Manske Commissioner	Hon. David Anderson Commissioner
		Hon. Tracey Rider Commissioner
<b>CLEVELAND COUNTY</b>	Hon. Rusty Grissom Commissioner	Hon. Rod Cleveland Commissioner
<b>LOGAN COUNTY</b>	Hon. Mark Sharpton Commissioner	Hon. Charlie Meadows Commissioner
		Hon. Monty Pearcey Commissioner
<b>OKLAHOMA COUNTY</b>	No Designee	Hon. Myles Davidson Commissioner
		Hon. Brian Maughan Commissioner
<b>TINKER AIR FORCE BASE (Associate Member)</b>	Stephanie Wilson Base Civil Engineer	Brad Beam Deputy Base Civil Engineer



## ATTACHMENT 2

### SUBJECT:

### MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

### DATE:

AUGUST 29, 2024

A regular meeting of the Garber-Wellington Association Policy Committee (GWAPC) convened at 3:12 p.m., Thursday, August 29, 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. Claudia Browne, Councilmember  
Hon. Glenn Berglan, Trustee  
Hon. Steven Gentling, Mayor  
Hon. Misty B. Mayes, Trustee  
Hon. Kathy Griffith, Councilmember  
Hon. Phil Freeman, Mayor  
Hon. Larry Heikkila, Mayor  
Hon. Leah Grady, Trustee  
Hon. Vickie Douglas, Vice-Mayor  
Hon. Shelli Selby, Mayor  
Hon. Mark Sharpton, Commissioner  
Hon. Charlie Meadows, Commissioner

#### ENTITY

Del City  
Goldsby  
Guthrie  
Langston City  
Moore  
Noble  
Norman  
Slaughterville  
Warr Acres  
Yukon  
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. Darrell Davis, Mayor  
Hon. Amy Neathery, Mayor  
Hon. Rashanna Baker, Trustee  
No Designee  
Hon. Tim Rudek, Councilmember  
Hon. Chris Calvert, Trustee  
Hon. Mike Donovan, Mayor  
Hon. Terry Arps, Mayor  
Hon. Brian Grider, Mayor  
Hon. Peter Hoffman, Mayor  
Hon. Mark Cochell, Mayor  
Hon. Jeff Bruegggen, Trustee  
Hon. Matt Hinkle, Councilmember  
Hon. Rob Jones, Councilmember  
Hon. Frank Calvin, Mayor

#### ENTITY

Bethany  
Calumet  
Choctaw  
Crescent  
Edmond  
El Reno  
Forest Park  
Geary  
Harrah  
Jones City  
Lexington  
Luther  
Mustang  
Nichols Hills  
Nicoma Park  
Okarche  
Oklahoma City  
Piedmont  
Spencer

**BOARD MEMBERS ABSENT (Cont.)**

Hon. David Bennett, Mayor  
Hon. Trey Buck, Councilmember  
Hon. Chad Fischer, Trustee  
Hon. Tomas Manske, Commissioner  
Hon. Rusty Grissom, Commissioner  
Hon. Carrie Blumert, Commissioner

**ENTITY**

The Village  
Tuttle  
Union City  
Canadian County  
Cleveland County  
Oklahoma County

**ASSOCIATE MEMBERS ABSENT**

Stephanie Wilson, Base Civil Engineer

**ENTITY**

Tinker Air Force Base

**GUESTS PRESENT**

Pete White  
Jerry Steward  
Michael Taylor, Assistant City Manager  
Kara Cook, Town Administrator  
Steve Griffith, Citizen

**ENTITY/AGENCY/BUSINESS**

ACOG Legal Counsel  
Attorney  
Nichols Hills  
Goldsby  
Moore

**ACOG STAFF PRESENT**

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

**POSITION**

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

**MINUTES**

---

**1. CALL TO ORDER - INTRODUCTION OF GUESTS**

Chair Matt Dukes called the meeting to order at 3:12 p.m.

**2. APPROVAL OF MINUTES - June 27, 2024**

Director Steven Gentling made a motion to approve the June 27, 2024, minutes of the Garber-Wellington Association Policy Committee meeting. Director Kathy Griffith 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. Now the effects of La Niña are beginning, which generally means hotter temperatures and drier conditions. In other words, drought.

There were two stretches of mild weather during July, providing brief respites from the otherwise hot conditions. Two substantial cold fronts brought temperatures down 10-15 degrees below normal during these periods. Oklahoma City experienced seven consecutive days with highs below 90 degrees from July 17-23, and 10 days overall during the month.

Despite these cooler periods, there remained 15 days with triple-digit temperatures in the state, and heat index values exceeded 105 degrees on 14 days in July. Thus, despite the cooler weather and the occasional rain, no recharge to the aquifer happened.

Drought conditions in August expanded to where almost half of the state is now in drought. Most of the drought-stricken area is from southwest Oklahoma to Osage County. Again, although Oklahoma City had a 6.59 inch rainfall event on August 11, recharge to the aquifer was minimal due to high evaporation rates that generally come with August.

The years following El Niño events generally are warmer and drier than normal. Fortunately, surface water conditions are presently in decent shape. All reservoirs are at or near capacity. The aquifer has had good recharge in Cleveland County, but less so in Oklahoma and Logan Counties. As far as drought preparedness is concerned, we are in decent shape to manage a drought like the one we just recently had.

## **B. GARBER-WELLINGTON AQUIFER PROJECTS UPDATE**

Work continues 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 at least a half 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 46S, 48S, 08S, 07D, 33D, 38S have been completed. These sections have also been integrated into older sections 05D, 9D, 10S, and 06S, 08S. Five more sections through the City of Norman are anticipated.

Surface water 208 work is now including the proposed City of Newcastle wastewater treatment plant expansion, in addition to the City of Noble expansion. Modeling for the City of Noble treatment plant expansion has been approved by the Oklahoma Department of Environmental Quality and is now under review by the Environmental Protection Agency in Dallas.

LAQUAL surface water quality models for Opossum and Cowbell Creek have been updated and submitted for review at the Oklahoma Department of Environmental Quality.

## **C. 2024 WATER-RELATED LEGISLATION**

Earlier this year the Supreme Court overturned the Chevron defense. The Chevron defense required courts to defer to agencies' reasonable interpretations of ambiguous statutes.

The decision threatens regulations on the environment, health care, consumer safety, nuclear energy, government benefit programs and guns. It also shifts power from agencies to Congress and to judges.

While the federal Environmental Protection Agency's final rule on per- and polyfluoroalkyl substances (PFAS) undertook a "totality of the circumstances" analysis, including a formal cost-benefit analysis, the challenge to this rulemaking is strengthened by the overturning of Chevron.

Absent the deference Chevron provided, challengers can offer the reviewing court multiple reasonable interpretations of what constitutes a "substantial danger" under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and the court will evaluate whether EPA's interpretation in this rulemaking was reasonable.

Possible consequences of the demise of the Chevron defense will be that the PFAS ruling implementation likely will be delayed. In addition, other rulings on contamination levels such as hexavalent chromium standards may be delayed or significantly changed. Finally, interpretation of "navigable waters" may be challenged.



#### **4. PROGRESS REPORT**

- 1) For 2024, ACOG staff will be focused 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 46S, 48S, 08S, 07D, 33D, 38S have been completed. These sections have also been integrated into older sections 05D, 9D, 10S, and 06S, 08S. Five more sections through the City of Norman are anticipated.

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

- 2) Surface water modeling on the Canadian River is being conducted for the Cities of Noble and Newcastle to evaluate impact of increased effluent from their municipal treatment plant discharges. The wasteload allocation model for Noble was approved by the Oklahoma Department of Environmental Quality and is now under review at the Environmental Protection Agency in Dallas.
- 3) 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 3:35 p.m.



**SUBJECT**

**DROUGHT UPDATE**

**DATE:**

OCTOBER 24, 2024

**FROM:**

**JOHN HARRINGTON**  
Water Resources Director

**INFORMATION:**

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.

**ACTION REQUESTED:**

For information only.



**SUBJECT:**

**DEVELOPMENT IN THE WEST EDMOND OIL FIELD**

**DATE:**

OCTOBER 24, 2024

**FROM:**

**JOHN HARRINGTON**  
Water Resources Director

**INFORMATION**

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 63<sup>rd</sup> 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.

**ACTION REQUESTED:**

For information only.



## ATTACHMENT 3-C

**SUBJECT:**  
**PROJECTS UPDATE**

**DATE:**  
OCTOBER 24, 2024

**FROM:**  
**JOHN HARRINGTON**  
Water Resources Director

### **INFORMATION**

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.

### **ACTION REQUESTED:**

For information only.



**SUBJECT:**  
**PROGRESS REPORT**

**DATE:**  
OCTOBER 24, 2024

**FROM:**  
**JOHN HARRINGTON**  
Water Resources Director

**INFORMATION:**

1. 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.

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

**ACTION REQUESTED:**

For information only.