



GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

In-Person Meeting with Call-In Option

AGENDA - Thursday, August 27, 2020 at 2:30 p.m.

The ACOG BOD meeting will be held at the physical location of 4205 N. Lincoln Blvd., Oklahoma City, OK. The ACOG Board Room will be set up in a classroom style arrangement to observe social distancing guidelines. **There will be no virtual options for this meeting;** however, if you choose to attend the meeting via conference call, **a call-in option will be available.**

To join this meeting via telephone, please dial: **1-800-326-0013**

When prompted, type in Participant Code: **9476299**

If you are a Board or Committee member and join the meeting via the telephone, please state your name and entity when you enter the meeting.

To follow social distancing, we encourage the public to join the meeting via telephone.

The phones will remain live during the entire meeting for voting, along with the ability to ask questions and make comments. If you join the meeting by phone, please mute your speaker phone to reduce feedback.

Agenda items requiring a vote: once a motion is made and seconded, the Chairperson will ask for a vote. If you are joining by telephone, your vote will be taken first by the Chairperson, then those present at the physical location will vote.

If you are not an ACOG BOD member and wish to sign up to speak during the Public Comments from Citizens or Delegations, please text or email your comments by 5 p.m Wednesday, August 26, to 405-760-5913 or conference@acogok.org. Citizen participants will be requested to mute their phones during the meeting. When the ACOG BOD reaches the Public Comments from Citizens or Delegations, the Chairperson will call each name in the order in which the names were received. Each citizen or delegate will have three minutes to present their question.

If you have technical difficulties dialing in with the Call-in Option, please text 405-436-6261 and explain your current situation.

If your meeting does not begin at its scheduled time, a meeting organizer will dial-in to inform those waiting on the conference call of an approximate time the meeting might begin.



GARBER-WELLINGTON ASSOCIATION **POLICY COMMITTEE**

Chair

Kim Bishop
Harrah Vice-Mayor

Vice-Chair

Ray Poland
Jones City Mayor

Secretary/Treasurer

Sheila Stevenson
Langston City Mayor

Executive Director

Mark W. Sweeney, AICP

association of central oklahoma governments

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

GWPC AGENDA: THURSDAY, AUGUST 27, 2020, 2:30 P.M.



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THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE WILL HOLD A COMBINATION **IN-PERSON AND CALL-IN** REGULAR MEETING ON THURSDAY, AUGUST 27, 2020, IN THE ACOG BOARD ROOM, 4205 N. LINCOLN BLVD., OKLAHOMA CITY.

PLEASE NOTIFY ACOG AT 405-234-2264 (TDD/TTY CALL 7-1-1 STATEWIDE) BY 5 P.M. MONDAY, AUGUST 24, 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 JUNE 25, 2020 MINUTES** ([ATTACHMENT 2](#))
3. **STAFF REPORT** - John Harrington, Water Resources Director
For information only.
 - A. **Evaluating a Well Field** ([ATTACHMENT 3-A](#))
 - B. **Sandstone Mapping Update for the Garber-Wellington Aquifer, Oklahoma County**
([ATTACHMENT 3-B](#))
 - C. **Drought Update** ([ATTACHMENT 3-C](#))
4. **PROGRESS REPORT** - John Harrington, Water Resources Director
([ATTACHMENT 4](#)) For information only.
5. **NEW BUSINESS**
6. **ADJOURNMENT**

NEXT MEETING:

October 29, 2020 at 2:30 p.m.

ATTACHMENT 1

GARBER-WELLINGTON POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
BETHANY	Hon. Chris Powell, Councilmember	Hon. Kathy Larsen, Councilmember
		Hon. K.P. Westmoreland, Mayor
CALUMET	Hon. Robert B. Wallace, Trustee	Hon. Steve Snow, Trustee
CHOCTAW	Hon. Mike Birdsong, Councilmember	Hon. Roger Malone, Vice-Mayor
DEL CITY	Hon. Floyd Eason, Mayor	Hon. Pam Finch, Councilmember
		Hon. Michael Dean, Councilmember
EDMOND	Hon. Josh Moore, Councilmember	Hon. Daniel P. O'Neil, Mayor
EL RENO	Hon. Matt White, Mayor	Hon. Tim Robinson, Councilmember
FOREST PARK	Vacant	Vacant
GEARY	Hon. Warren G. Carter, Councilmember	Hon. Tabbitha Kiener, Councilmember
		Hon. Bobby Allen, Mayor
GUTHRIE	Hon. Steven J. Gentling, Mayor	Hon. Jeff Taylor, Councilmember
HARRAH	Hon. Kim Bishop, Vice-Mayor	Hon. Tom Barron, Councilmember
JONES CITY	Hon. Ray Poland, Mayor	Vacant
LANGSTON CITY	Hon. Sheila Stevenson, Mayor	Hon. Magnus Scott, Trustee
		Hon. Linda Williams, Trustee
LEXINGTON	Hon. Mike Donovan, Councilman	Hon. Max Punneo, Vice-Mayor
LUTHER	Hon. Jenni White, Mayor	Hon. William "Terry" Arps, Trustee
MIDWEST CITY	Hon. Matt Dukes, Mayor	Hon. Pat Byrne, Councilmember
		Hon. Christine Allen, Councilmember
MOORE	Hon. Mark Hamm, Councilmember	Hon. Glenn Lewis, Mayor
		Any Moore Councilmember
MUSTANG	Hon. Brian Grider, Vice-Mayor	Hon. Michael Ray, Councilmember

CITY/ORGANIZATION	MEMBERS	ALTERNATES
NICHOLS HILLS	Hon. Peter Hoffman, Councilmember	Vacant
NICOMA PARK	Hon. Brian Foughty, Mayor	Hon. Mike Czerczyk, Vice-Mayor
NOBLE	Hon. Marjorie Hill, Councilmember	Hon. Gail Hatfield, Councilmember
		Hon. Dianne Gray, Vice-Mayor
NORMAN	Hon. Breea Clark, Mayor	Hon. Stephen Holman, Councilmember
OKARCHE	Hon. Joe Frisby, Trustee	Hon. Jeff Sadler, Trustee
OKLAHOMA CITY	Hon. Todd Sloan, Councilmember	Any Oklahoma City Councilmember
PIEDMONT	Hon. Kevan Blasdel, Councilmember	Hon. Melissa Ashford, Councilmember
		Hon. Austin Redus, Councilmember
PURCELL	Hon. Ted Cox, Mayor	Hon. Danny Jacobs, Vice-Mayor
		Hon. Mike Pollok, Councilmember
SLAUGHTERVILLE	Hon. Ronnie Fulks, Trustee	Hon. Steve Easom, Mayor
SPENCER	Hon. Frank Calvin, Mayor	Hon. Jim Scanlan, Vice-Mayor
		Hon. Kerry Andrews, Councilmember
THE VILLAGE	Hon. David Bennett, Mayor	Hon. Cathy Cummings, Vice-Mayor
		Hon. Adam Graham, Councilmember
TUTTLE	Hon. Mary Smith, Vice-Mayor	Hon. Austin Hughes, Councilmember
UNION CITY	Hon. Charlie Ross, Vice-Mayor/Trustee	Hon. Bob McGregor, Trustee
WARR ACRES	Hon. Jim Mickley, Mayor	Hon. Roger Godwin, Councilmember
		Hon. John Knipp, Councilmember
		Unnamed
YUKON	Hon. Shelli Selby, Mayor	Hon. Rick Cacini, Councilmember
CANADIAN COUNTY	Hon. Marc Hader, Commissioner	Hon. Jack Stewart, Commissioner
		Hon. David Anderson, Commissioner
CLEVELAND COUNTY	Hon. Rod Cleveland, Commissioner	Hon. Darry Stacy, Commissioner
		Hon. Harold Haralson, Commissioner
LOGAN COUNTY	Hon. Marven Goodman, Commissioner	Hon. Michael Pearson, Commissioner
		Hon. Monty Piearcy, Commissioner
OKLAHOMA COUNTY	Hon. Carrie Blumert, Commissioner	Hon. Brian Maughan, Commissioner
		Hon. Kevin Calvey, Commissioner

ATTACHMENT 2

SUBJECT:

MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

DATE:

JUNE 25, 2020

The regularly scheduled meeting of the Garber-Wellington Association Policy Committee was convened at 3:45 p.m. on June 25, 2020 in the Association of Central Oklahoma Governments (ACOG) Board Room, 4205 N. Lincoln Boulevard, Oklahoma City, Oklahoma. The meeting was held as indicated by a notice filed in advance with the Oklahoma County Clerk and by notice posted at the ACOG offices at least twenty-four hours prior to the meeting.

PRESIDING

Hon. Kim Bishop, Vice-Chair

CITY/AGENCY

Harrah

POLICY COMMITTEE MEMBERS PRESENT IN-PERSON

Hon. Steven J. Gentling, Mayor

Guthrie

Hon. Sheila Stevenson, Mayor

Langston

Hon. Matt Dukes, Mayor

Midwest City

Hon. Brian Grider, Vice-Mayor

Mustang

Hon. Ken Blasdel, Councilmember

Piedmont

Hon. Rick Cacini, Councilmember

Yukon

Hon. Rod Cleveland, Commissioner

Cleveland County

POLICY COMMITTEE MEMBERS PRESENT CALL-IN

Hon. Shelli Selby, Mayor

Yukon

POLICY COMMITTEE MEMBERS ABSENT

Hon. Steve Palmer, Councilmember

Bethany

Hon. Bruce Wallace, Trustee

Calumet

Hon. Roger Malone, Vice-Mayor

Choctaw

Hon. Floyd Eason, Mayor

Del City

Hon. Josh Moore, Councilmember

Edmond

Hon. Matt White, Mayor

El Reno

Vacant

Forest Park

Hon. Warren G. Carter, Councilmember

Geary

Hon. David Adams, Mayor

Lexington

Hon. Ray Poland, Mayor

Jones City

Hon. Jenni White, Mayor

Luther

Hon. Mark Hamm, Councilmember

Moore

Hon. Peter Hoffman, Vice-Mayor

Nichols Hills

Hon. Brian Foughty, Mayor

Nicoma Park

Hon. Marjorie Hill, Councilmember

Noble

Hon. Breea Clark, Mayor

Norman

Hon. Joe Frisby, Trustee

Okarche

Hon. Todd Sloan, Councilmember

Oklahoma City

Hon. Ted Cox, Mayor

Purcell

Hon. Ronnie Fulks, Trustee

Slaughterville

Hon. Frank Calvin, Mayor

Spencer

POLICY COMMITTEE MEMBERS ABSENT (continued)

Hon. David Bennett, Vice-Mayor	The Village
Hon. Mary Smith, Vice-Mayor	Tuttle
Hon. Charlie Ross, Vice-Mayor	Union City
Hon. Jim Mickley, Mayor	Warr Acres
Hon. Marc Hader, Commissioner	Canadian County
Hon. Marven Goodman, Commissioner	Logan County
Hon. Carrie Blumert, Commissioner	Oklahoma County

GUESTS

Pete White	ACOG Attorney
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STAFF

Mark W. Sweeney
Beverly Garner
John Harrington
Rachel Meinke
Matthew Weaver
Jimmy Smith

POSITION

Executive Director
Executive Assistant
Water Resources Director
Public Information Director
Community & Economic Dev. Coordinator
IT Operations Specialist

1. CALL TO ORDER

Chair Kim Bishop called the meeting to order at 4:07 p.m.

2. INTRODUCTION OF GUESTS

None

3. APPROVAL OF MINUTES - MAY 28, 2020

Director Sheila Stevenson, Langston City, made a motion to approve the May 28, 2020 Garber-Wellington Association Policy Committee minutes. Director Brian Grider, Mustang, seconded the motion. The motion carried unanimously.

4. STAFF REPORT**A. Navigable Waters Protection Rule - Clarifying The Clean Water Act**

On April 21, 2020, the EPA and the Department of the Army (Army) published the Navigable Waters Protection Rule to define “waters of the United States” (WOTUS) in the Federal Register. In addition, the Supreme Court ruled that some groundwater discharge also comes under the Clean Water Act.

EPA and the Army have simplified the Navigable Waters Protection Rule into four parts. They are:

- Territorial Seas and Traditional Navigable Waters. These are waterbodies that are obviously navigable waters, such as a navigable water like the Mississippi River, a tidally-influenced waterbody like the territorial waters of the Pacific Ocean off of California, or a water used for interstate commerce like the Great Lakes.

- Tributaries to Navigable Waters. Examples are a perennial tributary that contributes surface flow, or a snowpack-fed intermittent tributary that contributes surface flow.
- Certain Lakes, Ponds, and Impoundments. These include a lake that contributes surface flow to a traditional navigable water, a pond that contributes surface flow to a traditional navigable water, or an impoundment that contributes surface flow to a traditional navigable water.
- Adjacent Wetlands. These include wetlands that abut a traditional navigable water, wetlands with manmade structures that allow surface connection, or wetlands that are adjacent to a traditional navigable water.

Non-WOTUS waterbodies include dry washes and ephemeral streams, farm ditches, roadside ditches, and stormwater runoff.

B. Drought Update

A couple of important climatological milestones have been reached as Oklahoma begins the next major drought cycle.

Pacific Ocean temperature analysis on June 3 shows that a La Nina cooling event is developing. A value of 0.5 degree Celsius below average has been reached. The half-degree Celsius below average is the threshold for La Nina.

La Nina is the term given when Pacific Ocean equatorial temperatures reach a sustained value of at least 0.5 degree Celsius below average. La Nina presence during the U.S. summer has been correlated to hotter and drier conditions in the U.S. Midwest.

The second milestone is the development of extreme drought conditions outside the Oklahoma Panhandle. Extreme drought conditions now exist in Kingfisher, Blaine and Dewey Counties.

The development of drought in what is the wettest time of the year (May and June) underscores the gravity of this situation and gives more weight to the argument that the next drought cycle has begun.

C. Sandstone Mapping Garber-Wellington Aquifer Oklahoma County-Update

Two more cross-sections have been completed through Oklahoma County and a preliminary net sand map of sequence 71 has been produced.

5. **PROGRESS REPORT**

Chair Kim Bishop pointed out that the progress report was available for review in the agenda.

6. **NEW BUSINESS**

None

7. **ADJOURNMENT**

There being no further business, the meeting was adjourned at 4:07 p.m.

ATTACHMENT 3-A

SUBJECT:

EVALUATING A WELL FIELD

DATE:

AUGUST 27, 2020

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

Garber-Wellington Association staff receives many requests to evaluate groundwater resources. Most are easily managed, but occasionally there is a need to do further analysis. This was the case with the Winter Creek system. The following are some observations that need to be discussed.

The Winter Creek system lies outside the Garber-Wellington aquifer system. It is in the El Reno aquifer. This aquifer has rocks that have less ability to transmit water into a well bore and thus the wells in the aquifer have less yield than those found in the Garber-Wellington aquifer.

Many people promoting a well system emphasize initial yields found on the driller's log. This is a mistake, as the initial yields rarely compare to the yields observed in production a year or two later. One instead should observe the Monthly Operational Reports (MORs) to verify the well yield.

Based on the MORs, one can then calculate the radius of influence of the well and an optimal production schedule. In the case of the Winter Creek system, a regimen of 35 gpm for three days and a recovery of one day may be the optimal schedule, assuming that full recovery takes 24 hrs. From this, an estimate of the full yield of the well can be determined.

One should also take static and pumping water level measurements to help determine the transmissivity of the aquifer in that location and refine the yield estimations.

ACTION REQUESTED:

For information only.

ATTACHMENT 3-B

SUBJECT:

**SANDSTONE MAPPING UPDATE FOR THE GARBER-WELLINGTON AQUIFER,
OKLAHOMA COUNTY**

DATE:

AUGUST 27, 2020

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

Five structural cross-sections made through the center and southern part of Oklahoma County. The purpose of the cross-sections is to help map out sandstones in the Garber-Wellington aquifer. Water wells in high porosity sandstones generally have much higher yields.

These sections incorporate geophysical well logs along the strike and dip of the Garber sandstone. Previous stratigraphic correlation work in Cleveland County detailed 10 zones where there was some lateral continuity of sands and shales. Preliminary sand maps of three of these zones (sequences 71, 51 and 31) have been produced.

ACTION REQUESTED:

For information only.

ATTACHMENT 3-C

SUBJECT:
DROUGHT UPDATE

DATE:
AUGUST 27, 2020

FROM:
JOHN HARRINGTON
Water Resources Director

INFORMATION:
Summer 2020 is turning out to be a most unusual ride for all of us.

In June we officially entered La Nina conditions in the east Pacific, which has been correlated to hotter and drier conditions in the U.S. Midwest. We also developed extreme drought conditions outside the Oklahoma Panhandle, extending into Kingfisher, Blaine and Dewey Counties.

July was a wet month – the 13th wettest July on record. This diminished the drought situation immensely, with extreme drought conditions now holding onto just a small corner of Cimarron County. Central Oklahoma is drought-free with the exception of a small dry area in Cleveland County.

However, all this rain did not translate into much recharge to the aquifer. This is due to the fact that the evaporation rates are very high in July. The July average recharge is 0.14 inches; the aquifer got 0.04 inches in July 2020, or less than a third of the normal July recharge. This puts us well under the curve for the year – we will need a good, wet autumn to get back to average.

ACTION REQUESTED:
For information only.

ATTACHMENT 4

SUBJECT:
PROGRESS REPORT

DATE:
AUGUST 27, 2020

FROM:
JOHN HARRINGTON
Water Resources Director

INFORMATION:

ACOG Drought Program

Oklahoma is now experiencing a much different climate than in the 1980-90 decades. We are going back to the more severe dry/wet cycles seen in the 1950-60 era. Static water levels have finally returned to pre-drought levels seen in 2010, ending a nine and a half year cycle of groundwater drought.

We have now entered La Nina territory for the Eastern Pacific Ocean temperatures. La Nina is the term given when Pacific Ocean equatorial temperatures reach a sustained value of at least 0.5 degree Celsius below average. La Nina presence during the U.S. summer has been correlated to hotter and drier conditions in the U.S. Midwest. The drought of 2011-13 started with a large La Niña event.

The progress of drought in Oklahoma in June was halted and reversed in July. July 2020 was the 13th wettest July on record and dramatically impacted the drought situation in Oklahoma. Central Oklahoma is now drought-free with the exception of a small dry area in Cleveland County. Unfortunately this did not translate into recharge for the aquifer – the July total was about a third of normal recharge. Since the last progress report, two monthly drought reports have been generated.

18604(b) - Stratigraphic Mapping Garber-Wellington Aquifer Oklahoma County

As part of a 604(b) grant, staff is continuing and extending net sand maps originally created as part of a drilling project with the City of Norman. This effort will allow drillers to focus their efforts in areas with more sandstone, thus increasing well capacity.

Work commenced in March 2020. To date six regional cross-sections have been completed.

20604(b) - Stratigraphic Mapping Garber-Wellington Aquifer Southern Logan County

As part of a 604(b) grant, staff will continue and extend net sand maps created in the 18604(b) and 19604(b) projects into southern Logan County and southern Cleveland County. This effort will allow drillers to focus their efforts in areas with more sandstone, thus increasing well capacity.

Workplan was accepted by the EPA in July 2020.

ACTION REQUESTED:

For information only.