



*association of central oklahoma governments  
Garber-Wellington Association*

Chair Kim Bishop  
Harrah Councilmember

Vice-Chairman John Brown  
Piedmont Councilmember

Secretary-Treasurer David Bennett  
The Village Mayor

Executive Director  
John G. Johnson

## AGENDA

**GARBER-WELLINGTON ASSOCIATION  
POLICY COMMITTEE  
NOVEMBER 16, 2017 (Thursday) 2:30 P.M.  
(or immediately following the ACOG Board of Director's Meeting)**

ACOG BOARD ROOM  
4205 N. LINCOLN BOULEVARD, OKLAHOMA CITY, OKLAHOMA

- I. CALL TO ORDER
- II. INTRODUCTION OF GUESTS
- III. APPROVAL OF MINUTES – SEPTEMBER 28, 2017 ([Attachment III](#))  
**Action Requested:** Motion to approve minutes of the September 28, 2017 meeting.
- IV. STAFF REPORT
  - a. Oklahoma Water Resources Board's (OWRB) Water Quality Programs Division is currently undertaking an interim revision of the Oklahoma Water Quality Standards, which will introduce the concepts of aquifer storage and recovery and assimilative capacity.  
**Action Requested:** None, for information only.
  - b. Is the drought over? A groundwater perspective on this subject!  
**Action Requested:** None, for information only.
- V. PROGRESS REPORT ([Attachment V](#))
- VI. NEW BUSINESS
- VII. ADJOURNMENT

**GARBER-WELLINGTON POLICY COMMITTEE**

**OFFICE BEARERS**

*(Also listed by entity below.)*

HON. KIM BISHOP  
HON. JOHN BROWN  
HON. DAVID BENNETT

CHAIR  
VICE-CHAIR  
SECRETARY/TREASURER

HARRAH  
PIEDMONT  
THE VILLAGE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
BETHANY	HON. STEVE PALMER, COUNCILMEMBER	HON. PHILLIP SHIREY, COUNCILMEMBER
		HON. K.P. WESTMORELAND, MAYOR
CALUMET	HON. LACEY RUSSELL, MAYOR	HON. TERRY BRUNGARDT, TRUSTEE
		HON. MARK STANKE, TRUSTEE
CHOCTAW	HON. ROGER MALONE, VICE-MAYOR	HON. LARRY GOELLER, COUNCILMEMBER
		HON. MIKE BIRDSONG, COUNCILMEMBER
DEL CITY	HON. KEN BARTLETT, VICE-MAYOR	HON. BRIAN E. LINLEY, MAYOR
EDMOND	HON. ELIZABETH WANER, COUNCILMEMBER	HON. VICTORIA CALDWELL, COUNCILMEMBER
EL RENO	HON. MATT WHITE, MAYOR	HON. TIM ROBINSON, COUNCILMEMBER
FOREST PARK	HON. MARIANNE YARBROUGH, TRUSTEE	HON. DOROTHY WINSTON, MAYOR
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, COUNCILMEMBER	HON. TOM BARRON, COUNCILMEMBER
JONES CITY	HON. RAY POLAND, MAYOR	VACANT
LANGSTON	HON. ALONZO F. PETERSON, MAYOR	HON. LESTER CLARK, SR., TRUSTEE
		HON. SHEILA STEVENSON, TRUSTEE
LEXINGTON	HON. DAVID ADAMS, MAYOR	VACANT
LUTHER	HON. JENNI WHITE, MAYOR	HON. JASON ROACH, VICE-MAYOR
		HON. PAXTON CAVIN, TRUSTEE
MIDWEST CITY	HON. MATT DUKES, MAYOR	HON. RICK DAWKINS, COUNCILMEMBER
		HON. PAT BYRNE, COUNCILMEMBER
MOORE	HON. MARK HAMM, COUNCILMEMBER	HON. GLENN LEWIS, MAYOR
		ANY MOORE COUNCILMEMBER

CITY/ORGANIZATION	MEMBERS	ALTERNATES
MUSTANG	HON. JAY ADAMS, MAYOR	HON. BRIAN GRIDER, COUNCILMEMBER
NICHOLS HILLS	HON. PETER HOFFMAN, MAYOR	VACANT
NICOMA PARK	HON. JOE RANDALL, COUNCILMEMBER	HON. MARK COCHELL, MAYOR
NOBLE	HON. MARJORIE HILL, COUNCILMEMBER	HON. GAIL HATFIELD, COUNCILMEMBER
		HON. DIANNE GRAY, VICE-MAYOR
NORMAN	HON. LYNNE MILLER, MAYOR	HON. ROBERT CASTLEBERRY, COUNCILMEMBER
OKARCHE	HON. LINDA MILLER, TRUSTEE	HON. JEFF SADLER, TRUSTEE
OKLAHOMA CITY	HON. JOHN PETTIS, JR., COUNCILMEMBER	ANY OKLAHOMA CITY COUNCILMEMBER
PIEDMONT	HON. JOHN BROWN, COUNCILMEMBER	HON. KEVAN BLASDEL, COUNCILMEMBER
		HON. VALERIE THOMERSON, MAYOR
PURCELL	HON. DANNY JACOBS, VICE-MAYOR	HON. GRAHAM FISHBURN, COUNCILMEMBER
SLAUGHTERVILLE	HON. JOHN KOEHLER, MAYOR	VACANT
SPENCER	HON. EARNEST WARE, MAYOR	HON. PAULA MASON, VICE-MAYOR
		HON. FRANK CALVIN, COUNCILMEMBER
THE VILLAGE	HON. DAVID BENNETT, MAYOR	HON. SONNY WILKINSON, VICE-MAYOR
		HON. CATHY CUMMINGS, COUNCILMEMBER
UNION CITY	HON. LARRY MAPLES, TRUSTEE	HON. JESSICA DEMPSEY, MAYOR
		HON. CHARLIE ROSS, TRUSTEE
WARR ACRES	HON. JIM MICKLEY, COUNCILMEMBER	HON. ROGER GODWIN, COUNCILMEMBER
		HON. PATRICK WOOLLEY, MAYOR
		HON. JOHN KNIPP, COUNCILMEMBER
YUKON	HON. MIKE M <sup>c</sup> EACHERN, MAYOR	HON. RICHARD RUSSELL, 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. WILLA JOHNSON, COMMISSIONER	HON. BRIAN MAUGHAN, COMMISSIONER
		HON. RAY L. VAUGHN, JR., COMMISSIONER

MINUTES  
GARBER-WELLINGTON ASSOCIATION  
POLICY COMMITTEE MEETING  
SEPTEMBER 28, 2017

The regularly scheduled meeting of the Garber-Wellington Association Policy Committee was convened at 1:56 p.m. on September 28, 2017 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.

PRESIDINGCITY/AGENCY

Hon. David Bennett, Mayor

The Village

POLICY COMMITTEE MEMBERS PRESENT

Hon. Steven Palmer, Councilmember

Bethany

Hon. Roger Malone, Councilmember

Choctaw

Hon. Ken Bartlett, Vice-Mayor

Del City

Hon. Valerie Caldwell, Councilmember

Edmond

Hon. Marianne Yarbrough, Trustee

Forest Park

Hon. Kim Bishop, Councilmember

Harrah

Hon. Ray Poland, Mayor

Jones City

Hon. Jenni White, Mayor

Luther

Hon. Matt Dukes, Mayor

Midwest City

Hon. Brian Grider, Councilmember

Mustang

Hon. Joe Randall, Councilmember

Nicoma Park

Hon. Lynne Miller, Mayor

Norman

Hon. John Brown, Councilmember

Piedmont

Hon. Kevan Blasdel, Councilmember

Piedmont

Hon. Danny Jacobs, Mayor

Purcell

Hon. Cathy Cummings, Councilmember

The Village

Hon. Jim Mickley, Vice-Mayor

Warr Acres

Hon. Mike McEachern, Councilmember

Yukon

Hon. Mike Pearson, Commissioner

Logan County

POLICY COMMITTEE MEMBERS ABSENTENTITY/AGENCY

Hon. Bruce Wallace, Trustee

Calumet

Hon. Matt White, Mayor

El Reno

POLICY COMMITTEE MEMBERS ABSENT (Continued)

Hon. Steven Gentling, Mayor  
Hon. Mark Hamm, Councilmember  
Hon. Sheila Stevenson, Trustee  
Hon. David Adams, Mayor  
Hon. Peter Hoffman, Mayor  
Hon. Marjorie Hill, Councilmember  
Hon. John Pettis, Councilmember  
Hon. Tom McCurdy, Councilmember  
Hon. John Koehler, Mayor  
Hon. Larry Maples, Trustee  
Hon. Marc Hader, Commissioner  
Hon. Rod Cleveland, Commissioner  
Hon. Willa Johnson, Commissioner

ENTITY/AGENCY

Guthrie  
Moore  
Langston  
Lexington  
Nichols Hills  
Noble  
Oklahoma City  
Purcell  
Slaughterville  
Union City  
Canadian County  
Cleveland County  
Oklahoma County

GUEST PRESENT

None

ACOG STAFF PRESENT

John G. Johnson  
John Harrington  
Anita Kroth  
Brent Hawkinson  
Debbie Cook  
Patricia Buckley

Pam Gaither

Robin McDonald  
Barbara Hurdman

Jennifer McCollum

POSITION

Executive Director  
Water Resources Director  
Administrative Assistant, GWPC  
E9-1-1 & Public Safety Div. Dir.  
Finance Division Director  
ACOG Temporary Employee,  
Accounting Division  
ACOG Temporary Employee,  
Accounting Division  
Accounting Administrative Assistant  
Special Programs Officer 1, Grants  
Program Manager-REAP  
Economic Development

I. CALL TO ORDER

Chairman David Bennett called the meeting to order at 1:56 p.m.

II. INTRODUCTION OF GUESTS - None

### III. APPROVAL OF MINUTES – MAY 25, 2017

Director John Brown, Piedmont, made a motion to approve the May 25, 2017 Garber-Wellington Association Policy Committee minutes. Director Ray Poland, Jones City, seconded the motion. The motion passed unanimously.

### IV. STAFF REPORT

#### **a. The Norman Well Field Expansion-Picking the Location**

Norman is implementing an exploration program to locate new water wells. Geophysical logs (especially gamma radiation logs) are used to define and map the sand channels. ACOG staff used the ACOG well log database to map the channels. A cost-benefit analysis was run on the water collection system to determine overall costs regarding location on the system. This being done, one can then rank the sand channel prospects about expansion costs. The next step in the well location process: negotiation with landowners!

#### **b. Oklahoma City WWTP Modeling**

The Association of Central Oklahoma Governments (ACOG) was asked by staff of Oklahoma City to reassess the water quality modeling on the Canadian River due to a proposed repositioning of the effluent location from an unnamed tributary of the Canadian River to a direct input into the river itself.

The previous regional model by Guernsey completed in October 2014 had modeled four different scenarios (Scenarios A-D) and a Scenario E was modeled by ACOG in 2016. Scenario F is another permutation of the previously modeled dischargers. To move the discharge location to the river itself, effluent quality during the summer will have to be better – the dissolved oxygen concentration will have to be 7.0 mg/l rather than the permitted 6.5 mg/l.

#### **c. OK County GW Model**

The Association of Central Oklahoma Governments (ACOG) was asked by staff of Oklahoma County to assess the impact of domestic water drilling in the Deer Creek area on the aquifer. This location is undergoing rapid development.

The Hennessey Shale is the critical element in the discussion. This gypsum-rich shale increases in thickness west of Meridian Avenue where most domestic would have at least 100 feet of shale in the top half of the well, with Garber Sandstone in the lower portion of the well. Based on this groundwater modelling the well design that is often used in this area (180-200 feet deep) is insufficient in many places for sustainable production in a drought and may not provide the homeowner a reliable water source. This is especially true as one goes west away from the Garber sandstone and towards the Hennessey Shale.

West of Meridian Avenue the prospects for public water supply groundwater development decrease dramatically due to water quantity and quality affected by the Hennessey Shale. Until the water challenge is solved, the Deer Creek area will remain a relatively low population density area.

V. PROGRESS REPORT

Chair David Bennett said the progress report was available for review in the agenda.

VI. NEW BUSINESS

None

VII. ADJOURNMENT

There being no further business, Chairman Dave Bennett adjourned the meeting at 2:28 p.m.

# MEMORANDUM

**TO:** Garber-Wellington Association Policy Committee  
**FROM:** John M. Harrington, Division Director, Water Resources  
**DATE:** Thursday, November 16, 2017  
**SUBJECT:** Progress Report

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## **069002 - ACOG Drought Program**

The ACOG Drought Program started in 2006 when Central Oklahoma had the first good drought year in decades. There is a monthly report generated detailing statistics on rainfall, water conditions, reservoir conditions, and short and long-term forecasts. This report by the Water Resources Division of ACOG is issued via email to interested parties. Notify us if you want to be added to the distribution list to receive the report.

Oklahoma is now in a long-term dry cycle and we may continue to experience drought conditions over the next three to five years. Rainfall in May 2015 effectively ended the short-term drought conditions. Presently, drought conditions do not exist over most of Oklahoma, however, groundwater levels are still at levels seen in the 2010-14 drought.

Since the last progress report, two monthly reports have been generated.

## **151001 - Norman Water Plan**

Staff reviewed and helped propose well locations for the city of Norman, based on net sand maps in the aquifer that were generated last summer. Cross-sections were prepared for three proposed locations. Site locations under cost-analysis review.

## **15604(b) - City of Midwest City Groundwater Model**

As part of a 604(b) grant, staff is constructing a regional groundwater model for Midwest City to review drought impacts on the well field.

## **174601 - OK CO Groundwater Model**

Staff has been asked to review zoning in NW Oklahoma County about domestic well spacing in the aquifer. A groundwater model has been generated to address domestic well drilling practices in the Deer Creek area.

## **Schools and Conferences**

Staff attended the Governor's Water Conference.