



GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE

Chair

Ray Poland
Jones City Mayor

Vice-Chair

Mark Hamm
Moore Councilmember

Secretary/Treasurer

Matt Dukes
Midwest 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, FEBRUARY 24, 2022, 2:30 P.M.



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THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE WILL HOLD A REGULAR MEETING ON THURSDAY, FEBRUARY 24, IN THE ACOG BOARD ROOM, 4205 N. LINCOLN BLVD., OKLAHOMA CITY, OKLAHOMA.

PLEASE NOTIFY ACOG AT 405-234-2264 (TDD/TTY CALL 7-1-1 STATEWIDE OR EMAIL title.vi@acogok.org) BY 5 P.M. TUESDAY, FEBRUARY 22, 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 DECEMBER 16, 2021, MINUTES ([ATTACHMENT 2](#))

STAFF REPORT: John Harrington, Water Resources Director
For information only.
 - A. DROUGHT UPDATE ([ATTACHMENT 3-A](#))
 - B. SANDSTONE MAPPING UPDATE ([ATTACHMENT 3-B](#))
 - C. NORTH CANADIAN RIVER PROJECT - STATE ARPA APPLICATION ([ATTACHMENT 3-C](#))
4. PROGRESS REPORT: John Harrington, Water Resources Director ([ATTACHMENT 4](#))
For information only.
5. NEW BUSINESS
6. ADJOURNMENT

NEXT MEETING:
April 28, 2022 at 2:30 p.m.

ATTACHMENT 1

GARBER-WELLINGTON POLICY COMMITTEE

CITY/ORGANIZATION	MEMBERS	ALTERNATES
BETHANY	Hon. Nikki Lloyd, Mayor	Hon. Chris Powell, Vice-Mayor
		Hon. Kathy Larsen, Councilmember
CALUMET	Hon. Daniel Tatro, Trustee	Hon. Bruce Wallace, Mayor
CHOCTAW	Hon. Chad Williams, Councilmember	Hon. Jeannie Abts, Councilmember
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. Josh Moore, Councilmember	Hon. Darrell Davis, Mayor
EL RENO	Hon. Matt White, Mayor	Hon. Tim Robinson, Councilmember
FOREST PARK	No Designee	Vacant
GEARY	No Designee	Hon. Tabbitha Kiener, Councilmember
		Hon. Bobby Allen, Mayor
GOLDSBY	Hon. Glenn Berglan, Mayor	Hon. Russ McReynolds, Trustee
		Hon. Susan Boehrer, Trustee
GUTHRIE	Hon. Steven J. Gentling, Mayor	Hon. Jeff Taylor, Councilmember
HARRAH	Hon. Chris Lally, Councilmember	Hon. Tom Barron, Councilmember
JONES CITY	Hon. Ray Poland, Mayor	Vacant
LANGSTON CITY	No Designee	Hon. Magnus Scott, Trustee
		Hon. Linda Williams, Trustee
LEXINGTON	Hon. Mike Donovan, Councilman	Hon. Max Punneo, Vice-Mayor
LUTHER	Hon. William T. Arps, Mayor	Hon. Joshua Rowton, Trustee
		Hon. Carla Caruthers, 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, Mayor	Hon. Michael Ray, Councilmember

CITY/ORGANIZATION	MEMBERS	ALTERNATES
NICHOLS HILLS	Hon. Peter Hoffman, Councilmember	Vacant
NICOMA PARK	Hon. Mark Cochell, Mayor	Hon. Mike Czerczyk, Vice-Mayor
NOBLE	Hon. Phil Freeman, Mayor	Hon. Ezra Roesler, Vice-Mayor
		Hon. Gary Hicks, Councilmember
NORMAN	Hon. Breea Clark, Mayor	Hon. Stephen Holman, Councilmember
OKARCHE	Hon. Jeff Brueggen, Trustee	Hon. Jeff Sadler, Trustee/Mayor
OKLAHOMA CITY	Hon. Todd Stone, Councilmember	Any Oklahoma City Councilmember
PIEDMONT	Hon. Kevan Blasdel, Councilmember	Hon. Melissa Ashford, Councilmember
		Hon. Austin Redus, Councilmember
SLAUGHTERVILLE	Hon. John Koehler, Trustee	Hon. Valerie Stockton, Trustee
SPENCER	Hon. Frank Calvin, Mayor	Hon. Charmin Williams, Vice-Mayor
THE VILLAGE	Hon. Sonny Wilkinson, Mayor	Hon. Adam Graham, Vice-Mayor
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. Kody Ellis, Commissioner	Hon. Marven Goodman, Commissioner
		Hon. Monty Pearcey, 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:

DECEMBER 16, 2021

The regularly scheduled meeting of the Garber-Wellington Association Policy Committee convened at 2:41 p.m. on December 16, 2021 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. Ray Poland, Chairman

CITY/AGENCY

Jones City

POLICY COMMITTEE MEMBERS PRESENT IN-PERSON

Hon. Mark Hamm, Councilmember

Moore

Hon. Ken Blasdel, Councilmember

Piedmont

Hon. Mary Smith, Vice-Mayor

Tuttle

Hon. Rod Cleveland, Commissioner of

Cleveland County

POLICY COMMITTEE MEMBERS ABSENT

Hon. Nikki Lloyd, Mayor

Bethany

Hon. Bruce Wallace, Trustee

Calumet

Hon. Chad Williams, Councilmember

Choctaw

Hon. Floyd Eason, Mayor

Del City

Hon. Josh Moore, Councilmember

Edmond

Hon. Matt White, Mayor

El Reno

No Designee

Forest Park

Hon. Warren G. Carter, Councilmember

Geary

Hon. Glenn Berglan, Mayor

Goldsby

Hon. Steven J. Gentling, Mayor

Guthrie

Hon. Chris Lally, Mayor

Harrah

No Designee

Langston City

Hon. Mike Donovan, Councilmember

Lexington

Hon. Terry Arps, Mayor

Luther

Hon. Joann Swanson, Vice-Mayor

Meridian

Hon. Matt Dukes, Mayor

Midwest City

Hon. Brian Grider, Vice-Mayor

Mustang

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 Stone, Councilmember

Oklahoma City

Hon. Ronnie Fulks, Trustee

Slaughterville

Hon. Frank Calvin, Mayor

Spencer

Hon. Cathy Cummings, Councilmember

The Village

POLICY COMMITTEE MEMBERS ABSENT (continued)

Hon. Charlie Ross, Vice-Mayor
Hon. Jim Mickley, Mayor
Hon. Rick Cacini, Councilmember
Hon. Marc Hader, Commissioner
Hon. Kody Ellis, Commissioner
Hon. Carrie Blumert, Commissioner

CITY/AGENCY

Union City
Warr Acres
Yukon
Canadian County
Logan County
Oklahoma County

GUESTS

Pete White

POSITION

ACOG Attorney

STAFF

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

POSITION

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

1. CALL TO ORDER

Chairman Ray Poland, Jones City, called the meeting to order at 2:41 p.m.

2. APPROVAL OF MINUTES - AUGUST 26, 2021

Director Mark Hamm, Moore, made a motion to approve the October 28, 2021 Garber-Wellington Association Policy Committee minutes. Director Mary Smith, Tuttle, seconded the motion. The motion carried unanimously.

3. STAFF REPORT

A. DROUGHT UPDATE

During November 2021 drought intensified in Oklahoma. By December 2021, 87 percent of the state was in abnormally dry conditions or worse. By December 2021, 60 percent of the state was in moderate drought conditions or worse, affecting approximately 1,160,899 people in Oklahoma.

Predictions that the flash drought in Oklahoma would intensify came true. The drought in Oklahoma that started in September has continued and is now expanding to the southeast into Arkansas and East Texas.

Some good news is that groundwater levels recorded from the Spencer, Oklahoma Mesonet station are still at the highest level in ten years, indicating the aquifers are also full. However, static water levels have fallen 1.5 feet since last summer. Recharge to the aquifer continues to be poor. There has been essentially no significant recharge to the aquifer since last July.

We also expect to have La Niña conditions until spring 2022, making 2021 a year where we had dual La Niña events. La Niña winters set up dry conditions that can lead into drought. These conditions may persist until May, interfering with normal spring precipitation.

B. 2021 GOVERNOR’S WATER CONFERENCE

The annual Governor’s Water Conference highlights water issues from across the state. The 42nd conference attracted hundreds of water officials and citizens who share an avid interest in Oklahoma’s water resources management, development, and protection.

Hot topics included infrastructure funding through new federal funding initiatives, including the Infrastructure Investment and Jobs Act (IIJA) and the American Rescue Plan Act (ARPA) of 2021. The medical marijuana industry and its impact on Oklahoma’s water was also discussed, and it was noted that the 2025 Comprehensive Water Plan was now given the green light to start the meeting processes and data gathering like the 2012 Plan. In addition to the Plan is a comprehensive approach to floodplain management.

C. SANDSTONE MAPPING UPDATE

The multi-year sandstone mapping project funded by the 604(b) grant continues. The 2019 604(b) project in the Edmond area extends the previous 2018 604(b) work northward.

All eight cross-sections have been completed. Over 125 wells have been correlated in this project so far; at completion about 250 wells will probably be correlated. Cross sections go through the Nichols Hills and Edmond well fields.

Isopach maps will now be generated. The isopach maps will focus on extending the north-trending drilling area in Jones and Choctaw. This work is expected to be completed in spring 2022.

The 2020 604(b) (Guthrie and Purcell Areas) Quality Assurance Project Plans have been submitted.

4. PROGRESS REPORT

John Harrington pointed out that the progress report was available for review in the agenda.

5. NEW BUSINESS

None

6. ADJOURNMENT

There being no further business, the meeting adjourned at 2:57 p.m.

ATTACHMENT 3-A

SUBJECT:

DROUGHT UPDATE

DATE:

FEBRUARY 24, 2022

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

January was one more big step forward for the drought. Exceptional drought is now covering the Panhandle and will likely spread eastward into western Oklahoma over the next few months.

Although the beginning of February saw record snowfall, this translated into little or no real moisture overall. Most of Central Oklahoma shows at least 30 days since significant (>0.25") rainfall has been recorded; Canadian and Logan counties have passed the 3-month mark since significant rainfall has been seen.

Recharge to the aquifer has been essentially zero for six months straight. Static water levels are starting to retreat now from the decade high.

La Niña effects will continue to affect us for the short term, although longer term modeling suggests that La Niña is not going away anytime soon.

ACTION REQUESTED:

For information only.

ATTACHMENT 3-B

SUBJECT:

SANDSTONE MAPPING UPDATE

DATE:

FEBRUARY 24, 2022

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

The multi-year sandstone mapping project funded by the 604(b) grant continues. The 2019 604(b) project in the Edmond area extends the previous 2018 604(b) work northward.

All eight cross-sections have been completed. About 455 wells have been correlated in this project. Some of the cross sections go through the Nichols Hills and Edmond well fields.

Isopach maps are being generated. The isopach maps will focus on extending the north-trending drilling area in Jones and Choctaw. This work is expected to be completed in spring 2022.

The 2020 604(b) (Guthrie and Purcell Areas) Quality Assurance Project Plans have been approved by the U.S. Environmental Protection Agency.

ACTION REQUESTED:

For information only.

ATTACHMENT 3-C

SUBJECT:

NORTH CANADIAN RIVER PROJECT - STATE ARPA APPLICATION

DATE:

FEBRUARY 24, 2022

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

ACOG has submitted an application for the State allocated American Rescue Plan Act (ARPA) funding to develop the North Canadian River Dissolved Oxygen Model. This project is a basin-wide approach for a wasteload allocation study on the North Canadian River in Canadian, Oklahoma, and Pottawatomie Counties in Central Oklahoma.

Like a previous ACOG wasteload allocation study on the Canadian River to the south, the study will develop a mathematical model that will accurately simulate water quality in the streams under critical conditions. This model will then be used to generate simulations for the purpose of determining appropriate permit limits for point source discharges on the river.

As in the previous Canadian River study, the participants in the study will be the municipalities which are dischargers to the North Canadian River. This includes Oklahoma City, Midwest City, Del City, Choctaw, Harrah, El Reno, Jones, Yukon, and Shawnee. Most of these entities are members of ACOG, a substate 208 agency.

Associated agencies which will review the project are the Oklahoma Department of Environmental Quality (ODEQ) and the US Environmental Protection Agency (EPA). The proposed budget will be \$1.5 million for the three year project.

ACTION REQUESTED:

For information only.

ATTACHMENT 4

SUBJECT:

PROGRESS REPORT

DATE:

FEBRUARY 24, 2022

FROM:

JOHN HARRINGTON

Water Resources Director

INFORMATION:

ACOG Drought Program

January was one more big step forward for the drought. Exceptional drought is now covering the Panhandle and will likely spread eastward into western Oklahoma over the next few months.

Although the beginning of February saw record snowfall, this translated into little or no real moisture overall. Most of Central Oklahoma shows at least 30 days since significant (>0.25") rainfall has been recorded; Canadian and Logan Counties have passed the 3-month mark since significant rainfall has been seen.

Recharge to the aquifer has been essentially zero for six months straight. Static water levels are starting to retreat now from the decade high.

La Niña effects will continue to affect us for the short term, although longer term modeling suggests that La Niña is not going away anytime soon.

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

19604(b) - Stratigraphic Mapping Garber-Wellington Aquifer Northern Oklahoma County

The multi-year sandstone mapping project funded by the 604(b) grant continues. The 2019 604(b) project in the Edmond area extends the previous 2018 604(b) work northward.

All eight cross-sections have been completed. About 455 wells have been correlated in this project. Some of the cross sections go through the Nichols Hills and Edmond well fields.

Isopach maps are being generated. The isopach maps will focus on extending the north-trending drilling area in Jones and Choctaw. This work is expected to be completed in spring 2022.

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.

The Quality Assurance Program Plan (QAPP) was completed in April 2021. It has been approved by EPA.

21604(b) - Geologic Modeling Garber-Wellington Aquifer

The FY18-20 604(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 2016 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 2013-16 604(b) projects.

This project proposal has been approved by EPA as part of the 21604(b) grant program.

North Canadian River Project - State ARPA Application

ACOG has submitted an application for the State allocated American Rescue Plan Act (ARPA) funding to develop the North Canadian River Dissolved Oxygen Model. This project is a basin-wide approach for a wasteload allocation study on the North Canadian River in Canadian, Oklahoma, and Pottawatomie Counties in Central Oklahoma.

Like a previous ACOG wasteload allocation study on the Canadian River to the south, the study will develop a mathematical model that will accurately simulate water quality in the streams under critical conditions. This model will then be used to generate simulations for the purpose of determining appropriate permit limits for point source discharges on the river.

As in the previous Canadian River study, the participants in the study will be the municipalities which are dischargers to the North Canadian River. This includes Oklahoma City, Midwest City, Del City, Choctaw, Harrah, El Reno, Jones, Yukon, and Shawnee. Most of these entities are members of ACOG, a substate 208 agency.

Associated agencies which will review the project are the Oklahoma Department of Environmental Quality (ODEQ) and the US Environmental Protection Agency (EPA). The proposed budget will be \$1.5 million for the three year project.

ACTION REQUESTED:

For information only.