GARBER-WELLINGTON ASSOCIATION
POLICY COMMITTEE

THURSDAY
OCTOBER 27, 2022
2:30 P.M.

AGENDA:

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
THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE WILL HOLD A REGULAR MEETING ON THURSDAY, OCTOBER 27, 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), 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 25, 2022 (ATTACHMENT 2)

3. STAFF REPORT: John Harrington, Water Resources Director. For information only.
   A. DROUGHT UPDATE (ATTACHMENT 3-A)
   B. SANDSTONE MAPPING UPDATE (ATTACHMENT 3-B)
   C. GRANT 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 15, 2022, at 2:30 p.m.
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<th>CITY/ORGANIZATION</th>
<th>MEMBERS</th>
<th>ALTERNATES</th>
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<td><strong>BETHANY</strong></td>
<td>Hon. Nikki Lloyd Mayor</td>
<td>Hon. Chris Powell Vice-Mayor</td>
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<td><strong>CALUMET</strong></td>
<td>Hon. Terry Brungardt Trustee</td>
<td>Hon. Michael Snyder Trustee</td>
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<td><strong>CHOCTAW</strong></td>
<td>Hon. Chad Williams Councilmember</td>
<td>Hon. Jeannie Abts Councilmember</td>
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<td><strong>CRESCENT</strong></td>
<td>Hon. Jim Neal Councilmember</td>
<td>Hon. Greg Cummings Mayor</td>
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<td><strong>DEL CITY</strong></td>
<td>Hon. Floyd Eason Mayor</td>
<td>Hon. Pam Finch Vice-Mayor</td>
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<td><strong>EDMOND</strong></td>
<td>Hon. Josh Moore Councilmember</td>
<td>Hon. Darrell Davis Mayor</td>
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<td><strong>EL RENO</strong></td>
<td>Hon. Matt White Mayor</td>
<td>Hon. Steve Jensen Councilmember</td>
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<td><strong>FOREST PARK</strong></td>
<td>No Designee</td>
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<td><strong>GEARY</strong></td>
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<td>Hon. Bobby Allen Mayor</td>
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<td><strong>GOLDSBY</strong></td>
<td>Hon. Glenn Berglan Mayor</td>
<td>Hon. Russ McReynolds Vice Mayor</td>
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<td><strong>GUTHRIE</strong></td>
<td>Hon. Steven J. Gentling Mayor</td>
<td>Hon. Jeff Taylor Councilmember</td>
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<td><strong>HARRAH</strong></td>
<td>Hon. Tim Rudek Councilmember</td>
<td>Hon. Chris Lally Councilmember</td>
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<td><strong>JONES CITY</strong></td>
<td>Hon. Ray Poland Mayor</td>
<td>Hon. Missy Wilkinson Vice-Mayor</td>
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<td><strong>LANGSTON CITY</strong></td>
<td>No Designee</td>
<td>Hon. Magnus Scott Trustee</td>
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<tr>
<td>LEXINGTON</td>
<td>Hon. Mike Donovan Councilmember</td>
<td>Hon. Max Punneo Vice-Mayor</td>
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<td>LUTHER</td>
<td>Hon. Terry Arps Mayor</td>
<td>Hon. Joshua Rowton Trustee</td>
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<td>Hon. Carla Caruthers Trustee</td>
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<td>MIDWEST CITY</td>
<td>Hon. Matt Dukes Mayor</td>
<td>Hon. Pat Byrne Vice-Mayor</td>
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<td>Hon. Rick Favors Councilmember</td>
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<td>MOORE</td>
<td>Hon. Mark Hamm Councilmember</td>
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<td>Amy Moore Councilmember</td>
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<td>MUSTANG</td>
<td>Hon. Brian Grider Mayor</td>
<td>Hon. Michael Ray Councilmember</td>
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<td>NICHOLS HILLS</td>
<td>Hon. Peter Hoffman Mayor</td>
<td>Vacant</td>
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<td>NORMAN</td>
<td>Hon. Mark Cochell Mayor</td>
<td>Hon. Mike Czerencyk Vice Mayor</td>
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<td>OKARCHE</td>
<td>Hon. Jeff Brueggen Trustee</td>
<td>Hon. Jeff Sadler Trustee</td>
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<td>OKLAHOMA CITY</td>
<td>Hon. Todd Stone Councilmember</td>
<td>Any Oklahoma City Councilmember</td>
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<td>PIEDMONT</td>
<td>No Designee</td>
<td>Hon. Melissa Ashford Councilmember</td>
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<td>Hon. Austin Redus Councilmember</td>
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<td>SLAUGHTERVILLE</td>
<td>Hon. John Koehler Trustee</td>
<td>Hon. Eugene Dickson Mayor</td>
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<td>SPENCER</td>
<td>Hon. Frank Calvin Mayor</td>
<td>Hon. Charmin Williams Vice Mayor</td>
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<td>THE VILLAGE</td>
<td>Hon. Sonny Wilkinson Mayor</td>
<td>Vacant</td>
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| 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            |
| YUKON                     | Hon. Shelli Selby
Mayor                   | Hon. Jeff Wootton
Vice-Mayor               |
| 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 Piercy
Commissioner            |
| OKLAHOMA COUNTY           | Hon. Carrie Blumert
Commissioner            | Hon. Brian Maughan
Commissioner            |
|                           |                               | Hon. Kevin Calvey
Commissioner            |
| TINKER AIR FORCE BASE     | No Designee                     | Vacant                            |
| (Associate Member)        |                               |                                   |
SUBJECT:
MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

DATE:
AUGUST 25, 2022

A regular meeting of the Garber-Wellington Association Policy Committee was convened at 3:35 p.m. Thursday, August 25, 2022, 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
Hon. Matt Dukes, Secretary/Treasurer

BOARD MEMBERS PRESENT
Hon. Chad Williams, Councilmember
Hon. Floyd Eason, Mayor
Hon. Josh Moore, Councilmember
Hon. Tim Rudek, Councilmember
Hon. Phil Freeman, Mayor
Hon. James Cooper, Councilmember
Hon. John Koehler, Trustee
Hon. Shelli Selby, Mayor

ENTITY
Midwest City

BOARD MEMBERS ABSENT
Hon. Nikki Lloyd, Mayor
Hon. Terry Brungardt, Trustee
Hon. Matt White, Mayor
No Designee
Hon. Warren G. Carter, Councilmember
Hon. Steven J. Gentling, Mayor
No Designee
Hon. Mike Donovan, Councilmember
Hon. Terry Arps, Mayor
Hon. Mark Hamm, Councilmember
Hon. Brian Grider, Mayor
Hon. Peter Hoffman, Mayor
Hon. Mark Cochell, Mayor
Hon. Larry Heikkila, Mayor
Hon. Joe Frisby, Trustee
No Designee
Hon. Frank Calvin, Mayor
Hon. Sonny Wilkinson, Mayor
Hon. Mary Smith, Vice-Mayor
Hon. Charlie Ross, Vice-Mayor
Hon. Jim Mickley, Mayor
Hon. Marc Hader, Commissioner
Hon. Rod Cleveland, Commissioner
Hon. Kody Ellis, Commissioner
Hon. Carrie Blumert, Commissioner

ENTITY
Choctaw
Del City
Edmond
Harrah
Noble
Oklahoma City
Slaughterville
Yukon

ENTITY
Bethany
Calumet
El Reno
Forest Park
Geary
Guthrie
Langston City
Lexington
Luther
Moore
Mustang
Nichols Hills
Nicoma Park
Norman
Okarche
Piedmont
Spencer
The Village
Tuttle
Union City
Warr Acres
Canadian County
Cleveland County
Logan County
Oklahoma County
ASSOCIATE MEMBERS ABSENT
No Designee

GUESTS PRESENT
Adam Vossen, Town Administrator
Pete White, Attorney

ENTITY
Tinker Air Force Base

ENTITY/AGENCY/BUSINESS
Town of Goldsby
Oklahoma County
ACOG Legal Counsel

ACOG STAFF PRESENT
Mark W. Sweeney
Beverly Garner
John M. Sharp
John Harrington
Anita Kroth
Jimmy Smith

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

MINUTES

1. CALL TO ORDER – INTRODUCTION OF GUESTS
   Presiding Secretary/Treasurer Matt Dukes called the meeting to order at 3:35 p.m. A quorum was present.

2. APPROVAL OF MINUTES – JUNE 30, 2022
   Director John Koehler, Slaughterville, made a motion to approve the June 30, 2022 minutes of the Garber-Wellington Association Policy Committee meeting. Director Josh Moore, Edmond, seconded the motion. The motion carried unanimously.

3. STAFF REPORT:
   A. DROUGHT UPDATE
      The flash drought in Oklahoma that started in September 2021 is now expanding to the southeast into Arkansas and East Texas. The drought during summer 2022 is now affecting approximately 3,748,266 people in Oklahoma.

      Static water levels recorded from the Spencer Oklahoma Mesonet station are now beginning to fall. There was no recharge to the aquifer from July 2021 to May 2022. Accumulated recharge as of July 2022 is still well below the annual accumulation curve. August 2022 probably will have no recharge. Surface water supplies are in good shape.

      La Niña is expected to continue, with chances for La Niña gradually decreasing from 86 percent in the coming season to 60 percent during December-February 2022-23. Most drought cycles in Oklahoma last 3-5 years. We may be looking at drought for another 2-4 more years.

   B. SANDSTONE MAPPING UPDATE
      The 2019 604(b) project Edmond area report was approved with comments. The 2020 604(b) project Guthrie area has five cross-sections completed in Guthrie area. The cross-section work in the Lexington area will start in September.

      2021 604(b) project: Geologic Modeling GW Aquifer workplan has been approved. The Quality Assurance Project Plan (QAPP) has been submitted and reviewed.
C. PROPOSED 604(B) PROJECTS

22604(b) - Effects on Aquifer Recharge from the Proposed Norman Turnpike - The proposed Norman Turnpike will go through a major portion of the nonurban recharge area of the Garber-Wellington aquifer.

Although the route at present is mostly rural, inevitable urbanization likely will take place along the route. This usually results in hardened surfaces such as parking lots and roofing along the route, resulting in less recharge to the aquifer and more overland flow into the watershed.

22604(b) BIL - Source Tracking for Bacteria - North Canadian River - Pathogens that are the result of human activities are often associated with sewerage, which may contain many sources of fluorescent dyes. These dyes can be found in many paper products such as toilet paper, or with common soaps and detergents.

The main objective of this project is to substantiate the relationship between flow, fluorescence, and pathogen concentrations in the North Canadian River and many major tributaries for purposes of determining human generated sources for pathogens.

These projects are waiting on state approval – anticipate September 2022 for approval.

4. PROGRESS REPORT

ACOG Drought Program
The drought is now in top gear as summer 2022 plays out. The combination of hot weather, a lack of significant moisture, and relentless sunshine combined to plunge Oklahoma into flash drought. Farm ponds evaporated, soils dried out and baked, and vegetation of all types either went dormant or died. By middle August, the state was 100 percent in drought; 50 percent in extreme drought.

It should come as no surprise that recharge to aquifer was zero in July and probably will be zero in August as well. This contrasts with the months of May and June where we got about 2.5 times the average for spring. More than likely, we will have to wait until October before we have any chance to see the next recharge event. Meanwhile static water levels recorded at the Spencer Mesonet station are still in retreat from the decade high.

La Niña effects continue to affect us for the short term. Long term models still suggest that La Niña will last through the end of the year before turning neutral.

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

20604(b) - Stratigraphic Mapping Garber-Wellington Aquifer in Guthrie Area
As part of the 20604 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. This project commenced in late April 2022.

The project has completed six cross-sections in the Guthrie area. In September 2022 the focus will shift and cross-sections in the Purcell area will commence. Net sand maps for both areas will be generated in January-March 2023.

21604(b) - Geologic Modeling Garber-Wellington Aquifer
The FY 18-20 604(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 FY 2013-16 604(b) projects.

This project proposal has been approved by the EPA as part of the 21604(b) grant program. The EPA has also received the Quality Assurance Project Plan (QAPP) for the FY 2021 604(b) project.
22604(b) - Effects on Aquifer Recharge from the Proposed Turnpike in Norman
The proposed turnpike will run through a major portion of the nonurban recharge area of the Garber-Wellington aquifer in the City of Norman. Although the route at present is mostly rural, inevitable urbanization will more than likely take place along the route. This usually results in hardened surfaces such as parking lots and roofing along the route, resulting in less recharge to the aquifer and more overland flow into the watershed. Less recharge may affect the water table for domestic and municipal supplies and may also affect or downgrade potential drilling areas for additional well fields in the aquifer.

The workplan proposal was sent to the Office of the Secretary of Energy and Environment (OSEE) and EPA in May 2022. We are waiting on approval.

22604(b) BIL - Source Tracking for Bacteria - North Canadian River
The main objective of this project is to substantiate the relationship between flow, fluorescence, and pathogen concentrations in the North Canadian River and other major tributaries for purposes of determining human generated sources for pathogens. This project would continue the decadal ACOG sampling of bacteria in the urban corridor and watersheds of the North Canadian River and to apply fluorometry as a tool to address sources.

This project will be different from the 2011 study with the aspect that the bacteria samples will be subject to UV light before the application of the fluorometer.

The workplan proposal was sent to the Office of the Secretary of Energy and Environment (OSEE) and EPA in May 2022. We are waiting on approval.

North Canadian River Project – State ARPA Application
ACOG has applied 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 City, Yukon, and Shawnee. 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. We are waiting on approval.

7. NEW BUSINESS
Presiding Matt Dukes said the next meeting will take place October 27, 2022.

8. ADJOURN
There being no further business, the meeting was adjourned at 4:00 p.m.
SUBJECT:  
DROUGHT UPDATE

DATE:  
October 27, 2022

FROM:  
JOHN HARRINGTON  
Water Resources Director

INFORMATION:  
Summer 2022 is over, but the drought is not. Statistical analyses from the Oklahoma Climatological Survey show that summer 2022 was the driest summer on record, which dates back 100 years. This summer was drier than any in the 1950’s or the Dust Bowl. The implications of this are profound – the current drought is shaping up to be historic as any in the last century. We probably have another three or four drought summers to go through before the drought ends.

Static water levels recorded from the Spencer Oklahoma Mesonet station fell about two feet over the summer. Recharge to the aquifer from October 2021 to October 2022 happened only in the months of May and June; projections for 2022 indicate we will only get about half the normal recharge this year.

Surface water supplies now show the effects of drought which are visually evident regarding receding lake shorelines and dry farm ponds. Central Oklahoma reservoir capacity is about 85 percent - within expectations after a historic dry summer.

La Niña is anticipated to continue through Northern Hemisphere winter 2022-23, with a 91 percent chance in September-November, decreasing to a 54 percent chance in January-March 2023. This implies a drier than normal winter.

Most drought cycles in Oklahoma last 3-5 years. We probably will be looking at drought for another 2-4 years.

ACTION REQUESTED:  
For information only.
SUBJECT: SANDSTONE MAPPING UPDATE

DATE: October 27, 2022

FROM: JOHN HARRINGTON
Water Resources Director

INFORMATION:
The 2019 604(b) project mapping of the Edmond Area is complete. The final report was approved by the EPA.

The 2020 604(b) project covering the Guthrie Area and the Lexington Area is continuing. Six cross-sections have been completed in the Guthrie area. Cross-section work in the Lexington area is starting.

The 2021 604(b) project “Geologic Modeling GW Aquifer” integrating the 2015 Norman work into the regional sandstone mapping project has the Quality Assurance Project Plan (QAPP) submitted and reviewed by EPA.

ACTION REQUESTED:
For information only.
SUBJECT:
GRANT PROJECTS UPDATE

DATE:
October 27, 2022

FROM:
JOHN HARRINGTON
Water Resources Director

INFORMATION:

22604(b) - Effects on Aquifer Recharge from the Proposed Norman Turnpike – Workplan Approved by EPA

The proposed turnpike to be located in Norman will go through a major portion of the nonurban recharge area of the Garber-Wellington aquifer. The route at present is mostly rural, but inevitably urbanization will take place along the route. This usually results in hardened surfaces such as parking lots and roofing along the route, resulting in less recharge to the aquifer and more overland flow into the watershed. This project will assess the amount of recharge loss due to the presence of the proposed turnpike.

22604(b) BIL - Source Tracking for Bacteria – Workplan Approved by EPA

The main objective of this project is to substantiate the relationship between flow, fluorescence, and pathogen concentrations in the North Canadian River and several major tributaries for purposes of determining human generated sources for pathogens. Pathogens that are the result of human activities are often associated with sewerage, which may contain many sources of fluorescent dyes. These dyes can be found in many paper products such as toilet paper, or with common soaps and detergents.

North Canadian River Dissolved Oxygen Model – State ARPA Application

ACOG has submitted a proposal for State ARPA funding. 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 Water Quality Analysis Simulation Program (WASP) 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.

At the present time ACOG has been notified by the Oklahoma Water Resources Board (OWRB) that this project does not fit the OWRB grant guidelines. Further assessment has been requested by ACOG.

ACTION REQUESTED:
For information only.
SUBJECT: PROGRESS REPORT

DATE: October 27, 2022

FROM: JOHN HARRINGTON
Water Resources Director

INFORMATION:

ACOG Drought Program
Summer 2022 is over, but the drought is not. Statistical analyses from the Oklahoma Climatological Survey show that summer 2022 was the driest summer on record, which dates back 100 years. This summer was drier than any in the 1950’s or the Dust Bowl. The implications of this are profound – the current drought is shaping up to be historic as any in the last century. There probably are another three or four drought summers to go through before the drought ends.

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Most drought cycles in Oklahoma last 3-5 years. We will be looking at drought for another 2-4 years.

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

20604(b) - Stratigraphic Mapping Garber-Wellington Aquifer in Guthrie Area
As part of the 20604 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. This project commenced in late April 2022.

The project has completed seven cross-sections in the Guthrie area. In October 2022, the focus will shift and cross-sections in the Purcell area will commence. Net sand maps for both areas will be generated in January-March 2023.

21604(b) - Geologic Modeling Garber-Wellington Aquifer
The FY 18-20 604(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 FY 2013-16 604(b) projects.

This project proposal has been approved by the EPA as part of the 21604(b) grant program. The EPA has also received the Quality Assurance Project Plan (QAPP) for the FY 2021 604(b) project.

22604(b) - Effects on Aquifer Recharge from the Proposed Turnpike in Norman

The proposed Turnpike will run through a major portion of the nonurban recharge area of the Garber-Wellington aquifer in the City of Norman. Although the route at present is mostly rural, inevitable urbanization will take place along the route. This usually results in hardened surfaces such as parking lots and roofing along the route, resulting in less recharge to the aquifer and more overland flow into the watershed. Less recharge may affect the water table for domestic and municipal supplies and may also affect or downgrade potential drilling areas for additional well fields in the aquifer. The workplan proposal has been approved by the Environmental Protection Agency (EPA).

22604(b) BIL - Source Tracking for Bacteria - North Canadian River

The main objective of this project is to substantiate the relationship between flow, fluorescence, and pathogen concentrations in the North Canadian River and several major tributaries for purposes of determining human generated sources for pathogens. This project would continue the decadal ACOG sampling of bacteria in the urban corridor and watersheds of the North Canadian River and to apply fluorometry as a tool to address sources.

This project will be different from the 2011 study with the aspect that the bacteria samples will be subject to UV light before the application of the fluorometer.

The workplan proposal was sent to the Office of the Secretary of Energy and Environment (OSEE) and the EPA in May 2022. The workplan proposal has been approved by the EPA.

North Canadian River Project – State ARPA Application

ACOG has applied 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 City, 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 million for the three-year project.

In September 2022 ARPA funding review came under the Oklahoma Water Resources Board (OWRB) jurisdiction. At the present time ACOG has been notified by the OWRB that this project does not fit the OWRB grant guidelines. Further assessment has been requested by ACOG.

**ACTION REQUESTED:**

For information only.