GWPC AGENDA:
THURSDAY, APRIL 29, 2021, 2:30 P.M.

IF UNABLE TO ATTEND IN PERSON, PLEASE ACCESS THE CALL-IN INSTRUCTIONS:
DIAL-IN NUMBER: 800-326-0013
PARTICIPANT PASSCODE: 9476299
THE GARBER-WELLENTON ASSOCIATION POLICY COMMITTEE WILL HOLD A COMBINATION IN-PERSON AND CALL-IN REGULAR MEETING ON THURSDAY, APRIL 29, IN THE OKLAHOMA COUNTY BALLROOM (BEHIND THE ACOG BOARD ROOM), 4205 N. LINCOLN BLVD., OKLAHOMA CITY, OKLAHOMA.

The Oklahoma County Ballroom (download a short video of the Ballroom here) is setup to follow social distancing guidelines. Masks are required during the meeting. For your convenience, masks and sanitizer will be available.

PLEASE NOTIFY ACOG AT 405-234-2264 (TDD/TTY CALL 7-1-1 STATEWIDE) BY 5 P.M. MONDAY, APRIL 26, 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 FEBRUARY 25, 2021 MINUTES (ATTACHMENT 2)

3. STAFF REPORT - John Harrington, Water Resources Director
   For information only.
   A. SANDSTONE MAPPING UPDATE (ATTACHMENT 3-A)
   B. DROUGHT UPDATE (ATTACHMENT 3-B)
   C. LEGISLATIVE UPDATE APRIL 2021 (ATTACHMENT 3-C)

4. PROGRESS REPORT - John Harrington, Water Resources Director (ATTACHMENT 4) For information only.

5. NEW BUSINESS

6. ADJOURNMENT

NEXT MEETING:
June 24, 2021 at 2:30 p.m.
## Garber-Wellington Policy Committee

<table>
<thead>
<tr>
<th>City/Organization</th>
<th>Members</th>
<th>Alternates</th>
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<tbody>
<tr>
<td>BETHANY</td>
<td>Hon. Chris Powell, Vice-Mayor</td>
<td>Hon. Kathy Larsen, Councilmember</td>
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<td>Hon. Nikki Lloyd, Mayor</td>
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<td>CALUMET</td>
<td>Hon. Robert B. Wallace, Trustee</td>
<td>Hon. Steve Snow, Trustee</td>
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<td>CHOCTAW</td>
<td>Hon. Mike Birdsong, Councilmember</td>
<td>Hon. Roger Malone, Vice-Mayor</td>
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<td>DEL CITY</td>
<td>Hon. Floyd Eason, Mayor</td>
<td>Hon. Pam Finch, Councilmember</td>
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<td>Hon. Michael Dean, Councilmember</td>
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<td>EDMOND</td>
<td>Hon. Josh Moore, Councilmember</td>
<td>Hon. Daniel P. O’Neil, Mayor</td>
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<tr>
<td>EL RENO</td>
<td>Hon. Matt White, Mayor</td>
<td>Hon. Tim Robinson, Councilmember</td>
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<td>FOREST PARK</td>
<td>Vacant</td>
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<td>GEARY</td>
<td>Hon. Warren G. Carter, Councilmember</td>
<td>Hon. Tabbitha Kiener, Councilmember</td>
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<td>Hon. Bobby Allen, Mayor</td>
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<td>GOLDSBY</td>
<td>Hon. Glenn Berglan, Mayor</td>
<td>Hon. Russ McReynolds, Trustee</td>
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<td>Hon. Susan Boehrer, Trustee</td>
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<td>GUTHRIE</td>
<td>Hon. Steven J. Gentling, Mayor</td>
<td>Hon. Jeff Taylor, Councilmember</td>
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<td>HARRAH</td>
<td>Vacant</td>
<td>Hon. Tom Barron, Councilmember</td>
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<td>JONES CITY</td>
<td>Hon. Ray Poland, Mayor</td>
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<td>LANGSTON CITY</td>
<td>Hon. Sheila Stevenson, Mayor</td>
<td>Hon. Magnus Scott, Trustee</td>
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<td>Hon. Linda Williams, Trustee</td>
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<td>LEXINGTON</td>
<td>Hon. Mike Donovan, Councilman</td>
<td>Hon. Max Punneo, Vice-Mayor</td>
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<tr>
<td>LUTHER</td>
<td>Hon. Jenni White, Mayor</td>
<td>Hon. William “Terry” Arps, Trustee</td>
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<td>MIDWEST CITY</td>
<td>Hon. Matt Dukes, Mayor</td>
<td>Hon. Pat Byrne, Councilmember</td>
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<td>Hon. Christine Allen, Councilmember</td>
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<td>MUSTANG</td>
<td>Hon. Mark Hamm, Councilmember</td>
<td>Hon. Glenn Lewis, Mayor</td>
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<td>Any Moore Councilmember</td>
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<th>CITY/ORGANIZATION</th>
<th>MEMBERS</th>
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<tr>
<td>NICHOLS HILLS</td>
<td>Hon. Peter Hoffman, Councilmember</td>
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<td>NICOMA PARK</td>
<td>Hon. Brian Foughty, Mayor</td>
<td>Hon. Mike Czerczyk, Vice-Mayor</td>
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<td>NOBLE</td>
<td>Hon. Marjorie Hill, Councilmember</td>
<td>Hon. Gail Hatfield, Councilmember</td>
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<td>NORMAN</td>
<td>Hon. Brea Clark, Mayor</td>
<td>Hon. Stephen Holman, Councilmember</td>
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<td>OKARCHE</td>
<td>Hon. Joe Frisby, Trustee</td>
<td>Hon. Jeff Sadler, Trustee</td>
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<td>OKLAHOMA CITY</td>
<td>Hon. Todd Sloan, Councilmember</td>
<td>Any Oklahoma City Councilmember</td>
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<td>PIEDMONT</td>
<td>Hon. Kevan Blasdel, Councilmember</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. Valerie Stockton, Trustee</td>
<td>Hon. Steve Easom, Mayor</td>
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<td>SPENCER</td>
<td>Hon. Frank Calvin, Mayor</td>
<td>Hon. Jim Scanlan, Vice-Mayor</td>
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<td>Hon. Kerry Andrews, Councilmember</td>
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<td>THE VILLAGE</td>
<td>Hon. David Bennett, Mayor</td>
<td>Hon. Cathy Cummings, Vice-Mayor</td>
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<td>Hon. Adam Graham, Councilmember</td>
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<td>TUTTLE</td>
<td>Hon. Mary Smith, Vice-Mayor</td>
<td>Hon. Austin Hughes, Councilmember</td>
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<td>UNION CITY</td>
<td>Hon. Charlie Ross, Vice-Mayor /Trustee</td>
<td>Hon. Bob McGregor, Trustee</td>
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<td>WARR ACRES</td>
<td>Hon. Jim Mickley, Mayor</td>
<td>Hon. Roger Godwin, Councilmember</td>
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<td>Hon. John Knipp, Councilmember</td>
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<td>YUKON</td>
<td>Hon. Shelli Selby, Mayor</td>
<td>Hon. Rick Cacini, Councilmember</td>
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<tr>
<td>CANADIAN COUNTY</td>
<td>Hon. Marc Hader, Commissioner</td>
<td>Hon. Jack Stewart, Commissioner</td>
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<td>Hon. David Anderson, Commissioner</td>
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<td>CLEVELAND COUNTY</td>
<td>Hon. Rod Cleveland, Commissioner</td>
<td>Hon. Darry Stacy, Commissioner</td>
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<td>Hon. Harold Haralson, Commissioner</td>
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<td>LOGAN COUNTY</td>
<td>Hon. Kody Ellis, Commissioner</td>
<td>Hon. Marven Goodman, Commissioner</td>
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<td>Hon. Monty Piesary, Commissioner</td>
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<td>OKLAHOMA COUNTY</td>
<td>Hon. Carrie Blumert, Commissioner</td>
<td>Hon. Brian Maughan, Commissioner</td>
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<td>Hon. Kevin Calvey, Commissioner</td>
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SUBJECT:
MINUTES OF THE GARBER-WELLINGTON ASSOCIATION POLICY COMMITTEE MEETING

DATE:
FEBRUARY 25, 2021

The regularly scheduled meeting of the Garber-Wellington Association Policy Committee was convened at 3:07 p.m. on February 25, 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.

<table>
<thead>
<tr>
<th>PRESIDING</th>
<th>CITY/AGENCY</th>
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<tr>
<td>Hon. Ray Poland, Vice-Chair</td>
<td>Jones City</td>
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POLICY COMMITTEE MEMBERS PRESENT IN-PERSON

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<tr>
<th>Member</th>
<th>City/Agency</th>
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<tr>
<td>Hon. Chris Powell, Councilmember</td>
<td>Bethany</td>
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<td>Hon. Roger Malone, Vice-Mayor</td>
<td>Choctaw</td>
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<td>Hon. Josh Moore, Councilmember</td>
<td>Edmond</td>
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<td>Hon. Glenn Berglan, Mayor</td>
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<td>Hon. Steven J. Gentling, Mayor</td>
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<td>Hon. Sheila Stevenson, Mayor</td>
<td>Langston City</td>
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<td>Hon. Matt Dukes, Mayor</td>
<td>Midwest City</td>
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<td>Hon. Brian Grider, Vice-Mayor</td>
<td>Mustang</td>
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<td>Hon. David Bennett, Mayor</td>
<td>The Village</td>
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<td>Hon. Mary Smith, Vice-Mayor</td>
<td>Tuttle</td>
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<td>Hon. Rod Cleveland, Commissioner</td>
<td>Cleveland County</td>
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<td>Hon. Kody Ellis, Commissioner</td>
<td>Logan County</td>
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POLICY COMMITTEE MEMBERS PRESENT CALL-IN

| Member                         | City/Agency |
|--------------------------------------------------|
| Hon. Steven T. Holman, Councilmember             | Norman      |

POLICY COMMITTEE MEMBERS ABSENT

<table>
<thead>
<tr>
<th>Member</th>
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<tr>
<td>Hon. Bruce Wallace, Trustee</td>
<td>Calumet</td>
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<td>Hon. Floyd Eason, Mayor</td>
<td>Del City</td>
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<td>Hon. Matt White, Mayor</td>
<td>El Reno</td>
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<td>Vacant</td>
<td>Forest Park</td>
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<td>Hon. Warren G. Carter, Councilmember</td>
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<td>Hon. Mike Donovan, Councilmember</td>
<td>Lexington</td>
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<td>Hon. Jenni White, Mayor</td>
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<td>Hon. Mark Hamm, Councilmember</td>
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<td>Hon. Peter Hoffman, Vice-Mayor</td>
<td>Nichols Hills</td>
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<td>Hon. Brian Foughty, Mayor</td>
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<td>Hon. Marjorie Hill, Councilmember</td>
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<td>Hon. Joe Frisby, Trustee</td>
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<td>Hon. Todd Sloan, Councilmember</td>
<td>Oklahoma City</td>
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<td>Hon. Ken Blasdel, Councilmember</td>
<td>Piedmont</td>
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<td>Hon. Ronnie Fulks, Trustee</td>
<td>Slaughterville</td>
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<tr>
<td>Hon. Frank Calvin, Mayor</td>
<td>Spencer</td>
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</table>
POLICY COMMITTEE MEMBERS ABSENT (continued)
Hon. Charlie Ross, Vice-Mayor Union City
Hon. Jim Mickley, Mayor Warr Acres
Hon. Shelli Selby, Mayor Yukon
Hon. Marc Hader, Commissioner Canadian County
Hon. Carrie Blumert, Commissioner Oklahoma County

GUESTS
Pete White ACOG Attorney

STAFF
Mark W. Sweeney POSITION
John M. Sharp Executive Director
Beverly Garner Deputy Director
John Harrington Executive Assistant
Anita Kroth Water Resources Director
Brent L. Haukinson Administrative Assistant
Eric Pollard 911 & Public Safety Director
Jimmy Smith Air Quality & Clean Cities Coordinator
IT Operations Specialist

1. CALL TO ORDER
Vice-Chair Ray Poland called the meeting to order at 3:07 p.m.

2. APPROVAL OF MINUTES – FEBRUARY 25, 2021
Director Matt Dukes, Midwest City, made a motion to approve the February 25, 2021, Garber-Wellington Association Policy Committee minutes. Director David Bennett, The Village, seconded the motion. The motion carried unanimously, including Call-In Vote.

3. STAFF REPORT
A. ANNUAL STATE OF THE AQUIFER

Overall, well drilling activity on the aquifer increased by 7.5% in 2020. This possibly reflects drier conditions as well drilling tends to be less in wet years such as in 2007, 2015, and 2019. Domestic well drilling was down by 10% in 2020 from 2019. 2020 ranks 12th in activity out of the past 30 years, with most of the activity in north Edmond and southeastern Oklahoma County.

Domestic well depths are trending deeper, but the deepest wells are getting shallower. This is due to more wells being drilled towards the edges of the aquifer in combination with drought conditions. Average domestic well depth has increased 40 feet since 1990.

In 2019 reported water levels were up due to the large recharge events in the spring. The aquifer has recovered from the drought of 2017-19. Static water levels are at elevations not seen since 2010. Average recharge to the aquifer over the past 20 years is 2.75 inches per year, making 2020 a dead average year for precipitation. 2020 ranks 9th wettest recharge over the past 21 years.
No significant recharge occurred after April 2020. Total recharge for the year was 80% of normal.

B. DROUGHT IN 2020

A year ago the extent of drought nationally was 10.6%. Now the extent of drought nationally is 46%. In Oklahoma, the extent of drought was 8.4%. Now the extent of drought Oklahoma is 15.2%.

Average recharge for January is 0.30 inches. Average recharge for January 2021 is 0.83 inches. This is similar to last year, where the largest recharge month was January. There is no good signal in the forecast models for spring showing if we go wet or dry.

La Niña winters set up dry conditions that can lead into drought. A La Niña in late 2010 set up the conditions for the drought of 2011-13. A persistent La Nina could keep the jet stream to the north of Oklahoma.

Long-term modeling is now suggesting that La Nina may not fade away this spring. This may be a La Nina year. The last extended La Nina event was 2010-12.

C. LEGISLATIVE UPDATE 2021

So far, 24 bills have been filed for the 2021 session. Thirteen are shell bills. Eleven have language in them. During the drought years of 2011-13, there would be over 42 bills filed at this time. Some bills we are looking at are:

- HB 1878 allows the North Canadian River to be renamed “Oklahoma River” for economic development purposes. This affects the river only in Oklahoma County.

- HB 1093 modifies the Water Quality Standards to permit the development of watershed trading programs. Water quality trading can provide greater flexibility on the timing and level of technology a facility might install, reduce overall compliance costs, and encourage voluntary participation of non-point sources within the watershed. Trading can produce substantial cost savings while meeting the same water quality goal. It may also offer greater flexibility on the timing and level of technology a facility might install.

- HB 2330 restricts drilling of industrial and domestic wells to within a 600 feet distance of the boundary of dedicated or platted land of the municipality.

- SB109 requires instream flow studies on certain rivers east of Interstate 35. The Little River in Cleveland County is one of the streams listed. Lake Thunderbird dams the Little River.
4. PROGRESS REPORT
Vice-Chair Ray Poland 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 was adjourned at 3:29 p.m.
ATTACHMENT 3-A

SUBJECT:
SANDSTONE MAPPING UPDATE

DATE:
APRIL 29, 2021

FROM:
JOHN HARRINGTON
Water Resources Director

INFORMATION:
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. We are now entering the second phase of the project (19604(b) grant), which will focus on northern Oklahoma County. This will include the municipal well fields of Nichols Hills and Edmond and will (hopefully) extend a nice sand trend found near the communities of Choctaw and Jones City.

The project will be essentially identical in nature to the previous effort - eight structural cross-sections made through the northern part of Oklahoma County. These sections incorporate geophysical well logs along the strike and dip of the Garber sandstone. Approximately 120 well logs will be utilized in creating eight net sand maps on different intervals.

The 18604(b) report has undergone peer review and the final draft is waiting to be approved by EPA.

ACTION REQUESTED:
For information only.
SUBJECT: DROUGHT UPDATE

DATE: APRIL 29, 2021

FROM: JOHN HARRINGTON
Water Resources Director

INFORMATION:
A year ago the extent of drought nationally was 14%. Now the extent of drought nationally is 45%. The State of Oklahoma is on the very edge of a drought area that covers most of the southwest United States.

Forecasters now predict that we will have a weak La Nina that may go neutral this summer, then return in Fall 2021. La Niñas set up dry conditions that can lead into drought. A La Niña in late 2010 set up the conditions for the drought of 2010-12. A persistent La Nina could keep the jet stream to the north of Oklahoma and repeat the events of the last drought.

Accumulated recharge is a bit ahead of normal this year due to a large January recharge event. However, May and June are critical months - recharge was essentially nonexistent in Spring 2020.

ACTION REQUESTED:
For information only.
SUBJECT:
LEGISLATIVE UPDATE APRIL 2021

DATE:
APRIL 29, 2021

FROM:
JOHN HARRINGTON
Water Resources Director

INFORMATION:
So far, 24 bills have been filed for the 2021 session. Thirteen are shell bills. In a drought year, over 40 bills would have been filed. Some bills of interest:

- HB 1878 allows the North Canadian River to be renamed “Oklahoma River” for economic development purposes. This affects the river only in Oklahoma County. The bill passed the House 76-14. The bill passed the Senate Business, Commerce and Tourism Committee 9-3.

- HB 1093 modifies the Water Quality Standards to permit the development of watershed trading programs. Trading can produce substantial cost savings while meeting the same water quality goal. It may also offer greater flexibility on the timing and level of technology a facility might install. HB 1093 passed the House 79-8. HB 1098 passed Senate 46-1.

- HB 2330 restricts drilling of industrial and domestic wells to within a 600 feet distance of the boundary of dedicated or platted land of a municipality. The bill passed the House 96-0 and passed the Senate Energy Committee 10-0.

- SB109 requires instream flow studies on certain rivers east of Interstate 35. The Little River in Cleveland County is one of the streams listed. Lake Thunderbird dams the Little River. The bill died in committee.

ACTION REQUESTED:
For information only.
SUBJECT: PROGRESS REPORT

DATE: APRIL 29, 2021

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.

However, in October 2020 a new La Nina formed. 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 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 drought in Oklahoma has progressed over the past weeks. About 49% of Oklahoma is in an abnormally dry condition and about 21% is in at least moderate drought conditions. About 370,236 people in Oklahoma are being affected by drought at the present time.

Recharge to the aquifer has been minimal since the last report. In January 2021, a generous 0.83 inches of recharge to the aquifer occurred. Since then central Oklahoma has been averaging only about 80% of normal recharge. Without a normal May and June rainfall, we will be in moderate to severe drought this summer.

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. Draft report has been peer reviewed by EPA and OWRB. Final draft has been submitted.

19604(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) project into northern Oklahoma County. This effort will allow drillers to focus their efforts in areas with more sandstone, thus increasing well capacity.

Work on the 19604(b) project started in April 2021.
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 was completed in April 2021.

**ACTION REQUESTED:**
For information only.