CITY OF WICHITA’S RESPONSE TO
EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2’S
MOTION IN LIMINE TO EXCLUDE EXPERT TESTIMONY OF THE CITY

The City of Wichita, Kansas (the “City”) submits the following as a written response to the recent Motion in Limine to Exclude Expert Testimony of the City, submitted by Equus Beds Groundwater Management District No. 2 (“GMD2”) herein:

1. On March 18, 2018, the City submitted its proposal herein, which covered a wide array of matters based on the technical work of City staff and outside engineering consultants.

2. In the City’s Response to Interrogatory No. 7 of GMD2’s First Interrogatories, the City provided further, extensive information on the matters in the proposal (and some other referenced documents) which would be covered by particular listed experts, as follows:

   7. Please identify all experts you have hired or consulted with regarding the Subject Matter of this administrative hearing or the AMC Proposal, and:
      a. Identify all documents that have been provided to all such experts;
      b. Identify all documents that have been provided to you by such experts;
      c. State the subject matter in which each expert was consulted and the substance of their expected testimony at hearing.

RESPONSE:

Counsel objects to the Interrogatory as overly broad, unduly burdensome, and designed to invade work product.
Subject to and without waiving the foregoing objection, the City further responds as follows:

Preliminary Expert Disclosures were provided consistent with the schedule set in the Prehearing Order. The City offers the following additional information relating to listed experts, some of whom may also testify as fact witnesses (To the extent documents in the production response are referred to, this data is additionally responsive to the District’s Production Requests 8 and 9):
Alan King, Director, City of Wichita Public Works & Utilities

a) Alan King’s factual observations and opinions are presented in the ASR Permit Modification Proposal and cover letter. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.

b) Consulted for: Municipal Utility Management, and also City Council directions and policy development with regard to water utility infrastructure, water conservation, and drought response.

c) The grounds for Alan King’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, and Meetings.

d) Documents

i. Documents prepared by or under the supervision of Alan King are provided in the subdirectories Proposal and Proposal Communications.

ii. Alan King was provided, relied upon, or reviewed documents included in the subdirectories Proposal, Proposal Communications and Reports.

e) Additional documents provided by Alan King include correspondence found in the subdirectory Electronic Communications.

f) Alan King is a City of Wichita employee; his compensation is publicly available.

g) Alan King’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Joseph Pajor, Deputy Director, City of Wichita Public Works and Utilities

a) Joseph Pajor’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.

b) Consulted for: Wichita’s historical interactions with Groundwater Management District No. 2, the history of the City’s water resources and the purposes of the changes contemplated by the City’s current ASR proposal.

c) The grounds for Joseph Pajor’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, and Reports.

d) Documents

i. Documents prepared by or under the supervision of Joseph Pajor are provided in the subdirectories Proposal and Proposal Communications.

ii. Joseph Pajor was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications and Reports.
e) Additional documents provided by Joseph Pajor include correspondence found in the subdirectory Electronic Communications.

f) Joseph Pajor is a City of Wichita employee; his compensation is publicly available.

g) Joseph Pajor’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

**Don Henry, Assistant Director, City of Wichita Public Works and Utilities.**

a) Don Henry’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.

b) Consulted for: Municipal Water Utility Management and planning, including the history of the City’s water resources, history and trends in the aquifer, 1993 water levels and the purposes of the changes contemplated by the City’s current ASR proposal.

c) The grounds for Don Henry’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, and Reports.

d) Documents

i. Documents prepared by or under the supervision of Don Henry are provided in the subdirectories Proposal and Proposal Communications.

ii. Don Henry was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications and Reports.

e) Additional documents provided by Don Henry include correspondence found in the subdirectory Electronic Communications.

f) Don Henry is a City of Wichita employee; his compensation is publicly available.

g) Don Henry’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

**Scott Macey, Water Resources Engineer, City of Wichita Public Works & Utilities**

a) Scott Macey’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.

b) Consulted for: current and historical water use trends, current City treatment processes and infrastructure planning, and technical tools and models used for water resource decision making.
c) The grounds for Scott Macey’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, Reports, and Water Rights.

d) Documents

i. Documents prepared by or under the supervision of Scott Macey are provided in the subdirectories Proposal and Proposal Communications.

ii. Scott Macey was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications, Reports, and Model.

e) Additional documents provided by Scott Macey include correspondence found in the subdirectory Electronic Communications.

f) Scott Macey is a City of Wichita employee; his compensation is publicly available.

g) Scott Macey’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Brian Meier, Burns & McDonnell

a) Brian Meier’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.

b) Consulted for: Wichita’s ASR project history, including its missions, goals, and methods, and the interagency coordination as the City’s water utility employed a dynamic plan for its water resources.

c) The grounds for Brian Meier’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, Reports, and Water Rights.

d) Documents

i. Documents prepared by or under the supervision of Brian Meier are provided in the subdirectories Proposal and Proposal Communications.

ii. Brian Meier was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications, Reports, and Model.

e) Additional documents provided by Brian Meier include correspondence found in the subdirectory Electronic Communications.

f) Brian Meier is a Burns & McDonnell employee; the Contracts provided in the City’s Production of Documents disclose a Fee Schedule for each class of employee.

g) Brian Meier’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Don Koci, Burns & McDonnell
a) Don Koci’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.
b) Consulted for: Wichita’s ASR project history, goals and mission, in addition to water rights and regulatory structures.
c) The grounds for Don Koci’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, Reports, and Water Rights.
d) Documents
i. Documents prepared by or under the supervision of Don Koci are provided in the subdirectories Proposal and Proposal Communications.
ii. Don Koci was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications, Reports, and Model.
e) Additional documents provided by Don Koci include correspondence found in the subdirectory Electronic Communications.
f) Don Koci is a Burns & McDonnell employee; the Contracts provided in the City’s Production of Documents disclose a Fee Schedule for each class of employee.
g) Don Koci’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

John Winchester, High Country Hydrology
a) John Winchester’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal. Specific contributions are as indicated in the table Summary of Expert Witness Contributions.
b) Consulted for: municipal water resources planning, hydrological analyses, drought simulation, use of the 1% drought in the planning process, and technical tools and models.
c) The grounds for John Winchester’s opinions are knowledge of pertinent information presented in the subdirectory HCH.
d) Documents
i. Documents prepared by or under the supervision of John Winchester are provided in the subdirectory HCH.
ii. John Winchester was provided, relied upon, or reviewed documents included in the subdirectory HCH.
e) Additional documents provided by John Winchester include correspondence found in the subdirectory Electronic Communications.
f) John Winchester is a High Country Hydrology employee; the subdirectory Contracts provided in the City’s Production of Documents discloses contractual agreements with R.W. Beck, Inc., and SAIC Energy, Environment & Infrastructure, LLC. Each company was directly engaged by the City of Wichita; these Contracts are also provided.

g) John Winchester’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Daniel Clement, Burns & McDonnell

a) Daniel Clement’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal.

b) Consulted for: Equus Beds aquifer water usage and sustainable yield, recharge mechanisms and accounting, water resource conditions, and technical tools and models.

c) The grounds for Daniel Clement’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, Reports, Model, and Water Rights.

d) Documents

i. Documents prepared by or under the supervision of Daniel Clement are provided in the subdirectories Proposal, Proposal Communications, and Model.

ii. Daniel Clement was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications and Reports.

e) Additional documents provided by Daniel Clement include correspondence found in the subdirectories Proposal Communication and Electronic Communications.

f) Daniel Clement is a Burns & McDonnell employee; the Contracts provided in the City’s Production of Documents disclose a Fee Schedule for each class of employee.

g) Daniel Clement’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Paul McCormick, Burns & McDonnell

a) Paul McCormick’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal.

b) Consulted for: aquifer water usage and sustainable yield, recharge mechanisms and accounting, water resource conditions, and technical tools and models.
c) The grounds for Paul McCormick’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Proposal Communication, Meetings, Reports, and Model.

d) Documents

i. Documents prepared by or under the supervision of Paul McCormick are provided in the subdirectories Proposal, Proposal Communications, and Model.

ii. Paul McCormick was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications and Reports.

e) Additional documents provided by Paul McCormick include correspondence found in the subdirectories Proposal Communication and Electronic Communications.

f) Paul McCormick is a Burns & McDonnell employee; the Contracts provided in the City’s Production of Documents disclose a Fee Schedule for each class of employee.

g) Paul McCormick’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Luca DeAngelis, Burns & McDonnell

a) Luca DeAngelis’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal.

b) Consulted for: historical and current aquifer conditions, such as chloride transport, and modeling simulation tools

c) The grounds for Luca DeAngelis’ opinions are knowledge of pertinent information presented in the subdirectories Proposal, Reports, and Model.

d) Documents

iii. Documents prepared by or under the supervision of Luca DeAngelis are provided in the subdirectory Proposal.

iv. Luca DeAngelis was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications and Reports.

e) Additional documents provided by Luca DeAngelis include correspondence found in the subdirectory Electronic Communications.

f) Luca DeAngelis is a Burns & McDonnell employee; the Contracts provided in the City’s Production of Documents disclose a Fee Schedule for each class of employee.

g) Luca DeAngelis’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

Nathan Dunahee, Burns & McDonnell
a) Nathan Dunahee’s factual observations and opinions are presented in the ASR Permit Modification Proposal, cover letter, and supporting appendices presented in the subdirectory Proposal.

b) Consulted for: geochemical effects of natural and artificial aquifer groundwater recharge, and modeling simulation tools.

c) The grounds for Nathan Dunahee’s opinions are knowledge of pertinent information presented in the subdirectories Proposal, Reports, and Model.

d) Documents

i. Documents prepared by or under the supervision of Nathan Dunahee are provided in the subdirectory Proposal.

ii. Nathan Dunahee was provided, relied upon, or reviewed documents included in the subdirectories Proposal Communications and Reports.

e) Additional documents provided by Nathan Dunahee include correspondence found in the subdirectory Electronic Communications.

f) Nathan Dunahee is a Burns & McDonnell employee; the Contracts provided in the City’s Production of Documents disclose a Fee Schedule for each class of employee.

g) Nathan Dunahee’s qualifications are as presented in the City of Wichita’s Preliminary Expert Disclosure.

3. The interrogatory responses were accompanied by an Exhibit B Summary of Expert Witness Contributions (also copied and attached to this Response), which showed the expert witnesses’ opinions that were embodied in the various identified sections of the proposal and exhibits.

4. The expert reports furnished by the City, and complained of in GMD2’s Motion, were in addition to the disclosures referenced above.

5. In the July 23, 2018 Prehearing Conference Order in this matter (¶ 3), the Hearing Officer stated that rules of evidence would not be strictly adhered to in the formal phase of this hearing. No specific format or content requirement for “expert reports” was provided for in any of the prehearing orders.

6. The disclosures made by the City, taken together, were sufficient to enable GMD2 to determine the matters to which various, listed City witnesses would offer expert opinions, as well as documents upon which such witnesses would rely, and (within
the proposal itself) explanations of the manner in which conclusions set forth in the proposal were arrived at.

7. GMD2’s objections to the reports elevate form over substance in a manner that is unwarranted by, and contrary to the intent of, the prehearing orders.

8. If GMD2 wished to “voir dire” any of the City’s listed experts, GMD2 could certainly have done so by taking the depositions of any or all of them, but chose not to do so. The proposal to require “voir dire” of City witnesses at the hearing is another obvious mechanism to protract and delay the proceedings, which have been scheduled for a two-day timeframe.

9. Just as GMD2 notes that the Hearing Officer “has immense discretion to exclude expert testimony,” it follows equally that the Hearing Officer also has immense discretion not to exclude expert testimony.

10. To the extent GMD2 purports to believe that particular witnesses are unqualified to give opinions on scientific or technical matters, or that such opinions are mistaken, GMD2 presumably will address those concerns in cross examination of the witnesses or in rebuttal.

WHEREFORE, GMD2’s Motion in Limine to Exclude Expert Testimony of the City should be denied.

Respectfully submitted,

Office of the City Attorney
of the City of Wichita, Kansas

By /s/ Brian K. McLeod
______________________________
Brian K. McLeod, SC # 14026
CERTIFICATE OF FILING AND SERVICE

The undersigned hereby certifies that he transmitted the above and foregoing Response to GMD2’s Motion in Limine to Exclude Expert Testimony of The City by electronic mail on this 18th day of March, 2019, for filing, to David.Barfield@ks.gov and Kenneth.Titus@ks.gov and served the same upon counsel for the other parties herein by electronic mail, addressed to:

Thomas A. Adrian
David J. Stucky
tom@aplawpa.com
stucky.dave@gmail.com
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Halstead, Kansas 67056
And
Leland Rolfs
Leland.rolfs@sbcglobal.net
Attorneys for
Equus Beds Groundwater Management District No. 2

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Kansas Department of Agriculture
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Manhattan, Kansas 66502
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and

Tessa M. Wendling
1010 Chestnut Street
Halstead, Kansas 67056
twendling@mac.com

/s/ Brian K. McLeod
Brian K. McLeod
<table>
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<tr>
<th>Exhibit II: SUMMARY OF EXPERT WITNESS CONTRIBUTIONS</th>
<th>King</th>
<th>Flory</th>
<th>Henry</th>
<th>Hyneman</th>
<th>Metz</th>
<th>Manchester</th>
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<th>Outagamie</th>
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<td>Proposed Cover Letter</td>
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<td>2.1 ARB minimum index levels</td>
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<td>Table 2-1: City of Wichita Drought Response Plan (DRP) Stages</td>
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<td>2.1.1 Drought Reconnaissance - Palmer Drought Severity Index (PDSI)</td>
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<td>Table 2-2: 1% Drought Reconciliation from PDSI</td>
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<td>2.2 City of Wichita - Future Raw Water Demand Assessment</td>
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<td>2.3 Integrated Water Resource Management During a 1% Drought Using MOSWMA-SST</td>
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<td>Figure 1: MOSWMA-SST Network Grid</td>
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<td>Table 2-3: MOSWMA-SST simulation results for the 1% drought utilizing proposed 2023 demands</td>
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<td>2.4 Groundwater Modeling Setup - 1% Drought Simulation</td>
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<td>Figure 2: Simulated Conditions of 1% Drought Demand on Cherry Reservoir</td>
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<td>2.4.1 Stress Period (SP) Development</td>
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<td>Figure 3: UHSIexpec Both Groundwater Flow Model Active Model/ Boundary</td>
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<td>Table 2-4: PDSI values for South Central Kansas</td>
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<td>2.4.2 Starting Groundwater Model Elevations</td>
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<td>2.4.3 Groundwater Pumping - Agricultural Irrigation, Industrial Use, Other Municipal Users</td>
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<td>Table 2-6: Net Irrigation Use in the 1% Drought Model</td>
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<td>2.4.4 Groundwater Pumping - City of Wichita</td>
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<td>Table 2-7: Distributed City of Wichita Pumping by Stress Period</td>
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<td>2.4.5 Groundwater Injection into Well: Using Adjacent Riparian Crown</td>
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<td>2.4.6 Prechirp &amp; Natural Aquifer Recharge</td>
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<td>Figure 4: Locations of GDS Stream Gages within and near the ARB ESA</td>
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<td>Table 2-8: Simulated Natural Aquifer Recharge Inputs for EBUSAM</td>
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<td>Table 2-9: Groundwater Modeling Results for 1% Drought Simulation</td>
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<td>2.4.8 Proposed Modifications to ARB Minimum Index Water Levels</td>
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<td>Figure 5: Initial Groundwater Elevations at Beginning of Simulated Drought</td>
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<td>Figure 6: Modeled Groundwater Elevations at the End of Simulated Drought (SP)</td>
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<td>Figure 7: Modeled Groundwater Elevations End of Simulated Recovery Year 1 (SP)</td>
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<td>Figure 8: Groundwater Elevations End of Simulated Recovery Year 2 (SP)</td>
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<td>Figure 9: 1993 Groundwater Level as a Percentage of predevelopment saturated Aquifer Thickness</td>
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<td>Figure 10: Modeled Aquifer Conditions by ARB index cell at the end of Simulated Drought (SP)</td>
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<td>2.5 Summary</td>
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<td>Table 2D: Development of Proposed ARB Minimum Index Levels</td>
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<td>Table 2-11: Proposed ARB Minimum Index Levels</td>
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<td>Figure 11: Average Aquifer Conditions by index cell at proposed minimum levels</td>
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### Exhibit B: Summary of Expert Witness Contributions

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<th>Topic</th>
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<th>Harry</th>
<th>Nancy</th>
<th>Mike</th>
<th>Dean</th>
<th>Ms. Winchester</th>
<th>Mr. McCormick</th>
<th>Ms. Doggett</th>
<th>Dr. Colfax</th>
<th>Mr. Strudler</th>
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<td>Figure 12 - Historic Water Use in the ASR ESA</td>
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<td>Figure 13 - Historic Groundwater Level Changes in the ASR ESA</td>
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### 6.2 Proposed ASR Accounting Methodology

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<td>Figure 35 - Current and Proposed Accounting Method Results Comparison</td>
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### Attachments

- **Attachment A**: City of Wichita Drought Program Plan
- **Attachment B**: Palmer Drought Severity Index, Research Paper No. 45
- **Attachment C**: HCH 1% Drought Reconnaissance Technical Memorandum
- **Attachment D**: City of Wichita Water Demand Assessment
- **Attachment E**: USGS SR 2013-552 Groundwater Model Report
- **Attachment F**: Historic NOAA PDII Values for SC Kansas
- **Attachment G**: Streamflow for Arkansas, USGS Arkansas River 2011-2012
- **Attachment H**: USGS SR 2013-177, Revised 1993 Groundwater Levels
- **Attachment I**: Drought Model Simulation Results & Hydrographs
- **Attachment J**: ASR Accounting Simulations