

**Kansas Water Authority Meeting  
Ramada Inn Downtown  
Topeka, Kansas  
January 31, 2019**

**Agenda**

<i>Time</i>	<i>Agenda Item</i>	<i>Presenter</i>	<i>KWA Advice</i>	<i>KWA Decision</i>	<i>Page No.</i>
8:30 a.m.	<b>Call to Order/Introductions</b>	Dennis Schwartz			
8:35 a.m.	<b>Approval of Meeting Minutes</b>	Dennis Schwartz			
	December 19, 2018 Meeting			X	
8:40 a.m.	<b>KWA PWS Committee</b>	Dennis Schwartz			--
	Council Grove Application & Request to Negotiate	Cara Hendricks		X	
	City of Lawrence Contract Update	Cara Hendricks	X		
	Bathymetry Program Update	Richard Rockel Chris Shultz	X		
9:00 a.m.	<b>KWA RAC Committee</b>	Greg Graff			--
	RAC Messages to the KWA	Matt Unruh		X	
	2019 RAC Membership Timeline	Matt Unruh	X		
9:15 a.m.	<b>Legislative Update</b>	Earl Lewis	X		
9:45 a.m.	<b>Lieutenant Governor, Lynn Rogers</b>	Earl Lewis	X		
10:15 a.m.	<b>Water Vision Research - Sorghum</b>	Sarah Sexton- Bowser	X		
11:15 a.m.	<b>BREAK</b>				
11:30 a.m.	<b>Federal Updates</b>		X		
12:00 p.m.	<b>Director's Report</b>	Earl Lewis	X		
12:15 p.m.	<b>New Business</b>				
12:30 p.m.	<b>Adjourn</b>				
	<b>Upcoming Meetings: April 18 - Abilene, KS</b>				

## Minutes

### KANSAS WATER AUTHORITY Wichita, Kansas

December 19, 2018

Regular Meeting

**CALL TO ORDER:** Chairman Gary Harshberger called the **December 19, 2018** Kansas Water Authority meeting to order at **10:02** a.m. at the AgFarm Credit Bldg, Wichita, KS

**MEMBERS PRESENT:** Gary Harshberger, Chairman; Mike Armstrong; John Bailey; Greg Graff; Randy Hayzlett; Calvin Kissick; Brad Loveless; Karma Mason; Mark Fischer; Alan King; Dennis Schwartz; Dan Devlin; David Barfield; Rolfe Mandel; Ed Martinko; Leo Henning; Earl Lewis; Steve Adams

**MEMBERS ABSENT:** Lynn Wobker; Ted Nighswonger; Bob North

#### APPROVAL OF MINUTES:

**Motion No. 12-18-01** It was moved by **Mark Fischer** and seconded by **Randy Hayzlett** the **August 22, 2018** Minutes for the Regular Meeting of the Kansas Water Authority be approved as presented. **Motion carried with no dissenting votes.**

#### KWA/PWS Committee: *2019 Surplus Water Report*

**Cara Hendricks** presented on surplus yield in the 14 reservoirs.

**Motion No. 12-18-02** It was moved by **Dennis Schwartz** and seconded by **Vin Kissick** to approve the Surplus Water Available in Water Marketing Program Lakes, Calendar Year 2019 report and authorize the Director to enter into surplus water supply contracts for water defined to be surplus by the report.  
**Motion carried with no dissenting votes.**

#### Federal Update:

**Cara Hendricks** and **Ginger Harper** presented

**Motion No. 12-18-03** It was moved by **Brad Loveless** and seconded by **Karma Mason** to enter into a Feasibility Cost Sharing Agreement (FCSA) with the U.S. Army Corps of Engineers for the Kansas River Reservoirs Flood and Sediment Study.  
**Motion carried with no dissenting votes.**

#### KWA/RAC Operations Committee: *RAC Membership-Kendal Francis*

**Greg Graff and Matt Unruh** presented

**Motion No. 12-18-04** The following 4 Membership Appointments were moved by **Dennis Schwartz** and seconded by **John Bailey** to approve the motions.  
**Kendal Francis** of Great Bend was appointed to the PWS (cc) position with a term expiration of June 30, 2019.

The reassignment of current RAC member, **Kyle Spencer** (At Large Public-CC) to represent the currently vacant Groundwater Management Position while maintaining Kyle's current expiration date of June 30, 2021 was approved. **Richard Randall** of Scott City was appointed to the At Large Public (cc) position previously held by Kyle Spencer with a term expiration of June 30, 2021. **Shelly Turner** of Healy was appointed to the At Large Public 2 position which re-categorizes Shelly's position from At Large Public to Financial, with a term expiration of June 30, 2021.

**Motion carried with no dissenting votes.**

**KWA/RAC Operations Committee:**

*RAC Messages to the KWA*

**Greg Graff and Matt Unruh** presented

**Motion No. 12-18-05**

It was moved by **Greg Graff** and seconded by **Randy Hayzlett** to approve the proposed resolutions for RAC messages to the KWA from the Cimarron, Equus-Walnut and Upper Arkansas RAC's.

**Motion carried with no dissenting votes.**

**KWA/RAC Operations Committee:**

*RAC Training*

**Matt Unruh** discussed a premise for the need to train RAC members and how future RAC training could take place, through K-State Research and Extension

**Interstate Water Management Fund:**

**David Barfield** provided an update of current interstate compacts & uses, including resources allotted being funded with the IWWMF.

**Water Injection Dredging at Tuttle Creek Lake:**

**John Shelley** presented on behalf of the USACE on the current status of a WID pilot project, specifically a short-term demonstration at Tuttle Creek Lake.

**Vision Implementation Update:**

*Kansas Reservoir Protection Initiative*

**Matt Unruh** provided information concerning KRPI and the initial sign-up period is underway.

**Vision Implementation Update:**

*2018 Harmful Algal Bloom Update*

**Leo Henning** provided an update on HAB's

**Vision Implementation Update:**

*2018 Water Technology Farm Update*

**Armando Zarco** provided an update on the Water Technology Farm program

**KWA Annual Report to the Governor and Legislature:**

**Matt Unruh and Cara Hendricks** provided an update.

**Motion No. 12-18-06**

It was moved by Mike Armstrong and seconded by Greg Graff to approve the KWA Annual Report to the Governor and Legislature as presented, with final editing for details given to KWO Staff.

**Non-Public Household Water Well Project:**

Jack Brown and Dr. Elizabeth Ablah presented.

**Director's Report:**

Presented by Earl Lewis

**New Business:**

David Barfield-provided an update regarding online water use reporting fees  
Leo Henning-provided commentary on the EPA/USDA letter to KDHE/KDA trying to reinvigorate nutrient reduction in the state. EPA Region 7 is requesting a meeting with NRCS to look at new opportunities.

**Adjournment**

The KWA adjourned at 3:55 p.m..

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Dennis Schwartz, Acting Chair

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Earl Lewis, Acting Secretary

# MEMO



DATE: January 25, 2019  
TO: Kansas Water Authority  
FROM: Dennis Schwartz, Chair, Public Water Supply Committee  
Cara Hendricks, P.E.  
RE: Public Water Supply Committee Update

900 SW Jackson Street, Suite 404  
Topeka, KS 66612  
Phone: (785) 296-3185  
Fax: (785) 296-0878  
www.kwo.ks.gov

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## **City of Council Grove Water Marketing Contract Application and Request to Negotiate**

In accordance with K.S.A. 82a-1310a, on Dec. 6, 2018 the City of Council Grove submitted a Water Marketing Contract Application for an annual quantity of 175 MGY from Council Grove Lake. A copy of the application is attached to this memorandum. On January 3, 2019, the Kansas Water Office received a request from the City to begin negotiations.

The City has an existing marketing contract (No. 93-4) with a graduated use schedule and maximum annual quantity of 150 MGY with an end date of Sept. 13, 2033.

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*In accordance with the State Water Plan Storage Act, K.S.A. 82a-1301 et seq., the Director of the Kansas Water Office requests approval from the Kansas Water Authority to enter into negotiations with the City of Council Grove for a contract to withdraw and use water from Council Grove Lake for the purposes of serving the City of Council Grove.*

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## **City of Lawrence Water Marketing Contract Update**

Contract negotiations continue between the Kansas Water Office and the City of Lawrence. Prior to finalizing the City's new contract quantity, the Kansas Water Office and the City will host a meeting with the water marketing customers from Clinton Lake on February 6, 2019. It is anticipated that a draft contract will be ready for review at the April KWA meeting.

## **Kansas Water Office Bathymetry and Storage Evaluation Program Update**

In 2019, the Kansas Water Office will launch the Bathymetry and Storage Evaluation (BaSE) program to increase the rate of bathymetric data collection for Kansas water supply reservoirs as recommended by the Kansas Water Authority in the 2010 Kansas Reservoir Roadmap. In many Kansas basins, model simulations show that in the coming decades, reservoir storage will be insufficient to meet demands through drought conditions.

Reservoir sedimentation is a major driver in our ability to meet future water supply demands, with many Kansas public water supply reservoirs having less than 3 surveys over their 40-70 years of operation for the establishment of long term sedimentation rates. Additional reservoir data will help to reduce uncertainty related to historical sedimentation rates, refine water supply projections and planning for the future, and will be beneficial to identifying the impacts of in-basin practices on sedimentation rates. The BaSE program will allow for an increased frequency in bathymetric surveys, creating robust trends of sedimentation rates in reservoirs, as well as an increased confidence in both current and future reservoir storage capacities.

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*These items are for information only. No action is needed at this time.*

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# MEMO



DATE: January 24, 2019  
TO: Kansas Water Authority  
FROM: Greg Graff  
RE: KWA RAC Operations Committee

900 SW Jackson Street, Suite 404  
Topeka, KS 66612  
Phone: (785) 296-3185  
Fax: (785) 296-0878  
www.kwo.ks.gov

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The KWA RAC Operations Committee met on January 24, 2019, via conference call. Discussion from the meeting included a message to the KWA from the Missouri Regional Advisory Committee from their most recent meeting. This RAC message to the KWA, along with pertinent background information, KWO staff input, and proposed resolution are included in this memo.

**Message:** The Missouri RAC requests funding to complete year two of Phase II of “Addressing Groundwater Goals of the Missouri Regional Planning Area” by the Kansas Geological Survey (KGS). Funding of the study would provide information directly related to Missouri RAC Goals #1 & #3.

**Background:** In March 8, 2018, the Kansas Water Office (KWO) entered into a five year contract on Phase II with KGS to document historical ground water quality and quantity for the Missouri Region. KGS scoped the entire study however only the first year of the contract was funded. Geoff Bohling and Don Whittemore reporting their initial findings to the RAC at the September 20th meeting, continuation of the study was recommended. The complete first year report is due in March 2019. The quantity of water in the unconsolidated material remains undetermined as well as water quality issues, especially nitrates in the groundwater. The drought of 2018 showed just how fragile the groundwater situation is in the Missouri Region. Multiple private domestic wells have ceased to function, low flows in streams and high nitrates have caused conflict between neighbors and communities with the ever expanding irrigation industry in the region. More information, certainty about safe yields and water quality will help mitigate these conflicts. The projected cost for year two of the study is \$38,000. This funding will be used to continue the water quantity and quality monitoring and analyses that began in year one and to install sensors and telemetry for continuous, real-time water level monitoring of the five existing wells.

**Staff Input:** Staff contacted Geoff Bohling (KGS) to discuss the study. KGS has identified ten (10) USGS wells in the region, and attempted to measure water levels and sampled water from these wells in August of 2018. Staff will return for repeat measurements in February 2019. Many of these wells are not in the aquifer material and do not represent the aquifer in the region. The existing wells are insufficient to provide any type of trend data or regionally based data to use for making management decisions. Also, this project helps to further advance Vision Regional Goal Action Plan implementation efforts for Missouri RAC Goals 1 & 3. With this project being multiple years and phases and directly connected to Action Plan implementation there is justification to continue funding support for these efforts.

**Proposed Resolution:** The KWO is committed to working with the KGS on advancing year two of Phase II “Addressing Groundwater Goals of the Missouri Regional Planning Area”.

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*The KWA RAC Operations Committee recommends KWA approval  
of the proposed resolution for the RAC message to the KWA from the Missouri RAC.*

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# MEMO



DATE: January 31, 2019  
TO: Kansas Water Authority  
FROM: Cara Hendricks  
RE: Research Coordination

900 SW Jackson Street, Suite 404  
Topeka, KS 66612  
Phone: (785) 296-3185  
Fax: (785) 296-0878  
[www.kwo.ks.gov](http://www.kwo.ks.gov)

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As previously presented and discussed by the Kansas Water Authority (KWA), a research coordination workgroup has continued to meet to identify priorities for research needed to support implementation of the Vision. No action is being sought at this time.

Efforts focused on the specific areas of research previously identified by the group have continued, which include streambank stabilization effectiveness, irrigation technologies and crop genetic research, and harmful algal blooms. Sarah Sexton-Bowser will update the KWA on ongoing efforts within the irrigation technologies and crop genetic research subgroup, focusing specifically on sorghum research.

The development of a Water Research Newsletter, *Research on Tap*, continues. KWO will compile ongoing water-related research from universities and disseminate the newsletter once a quarter, which will also be posted on the Water Research Coordination Workgroup webpage on KWO's website.

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*No action is needed at this time. Information is provided for discussion purposes only.*

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