

# MEMO



DATE: June 19, 2019  
TO: Solomon-Republican RAC Members  
FROM: Kirk Tjelmeland, Kansas Water Office  
RE: July 2, 2019 RAC Meeting

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Topeka, KS 66612  
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The meeting of the Solomon-Republican Regional Advisory Committee (RAC) will be held **at 10:00 a.m., Tuesday, July 2, 2019 at the Pioneer Seeds Meeting Room, 240 W. US Hwy 24, Downs, KS 67437.**

I know summer is a very busy time of the year for you but there are some items at this meeting you won't want to miss. As always I thank you for the time and effort that you put into advising the Kansas Water Authority through your RAC. On the agenda for the upcoming meeting we will have a budget presentation from Jackie Craine, our new CFO, reviewing our Goals and Action Plans and an update on RAC membership.

Enclosed are materials for the July 2<sup>nd</sup> meeting:

- Agenda
- March 6<sup>th</sup> Meeting Notes
- Budget Presentation
- Vision Review Memo
- Action Plans in Airtable
- Press Release

If you cannot attend, or have any questions or concerns regarding the meeting, please contact me by telephone at (785) 296-3185 or by e-mail at [kirk.tjelmeland@kwo.ks.gov](mailto:kirk.tjelmeland@kwo.ks.gov).



## MEETING AGENDA

**DATE:** Tuesday, July 2, 2019

**TIME:** 10:00 AM to Noon

**LOCATION:** Pioneer Seeds Meeting Room  
240 W. US Highway 24  
Downs, KS 67437

### AGENDA DETAILS

- I. **Welcome/Introductions**
- II. **RAC Business –**
  - a. **Review of March 6<sup>th</sup> meeting notes**
  - b. **Review of April 18<sup>th</sup> KWA meeting in Abilene**
- III. **Update from KWO on Budget – Earl & Jackie - KWO**
- IV. **Review of RAC Goals and Action Plans – Tj - KWO**
- V. **Update on RAC Membership - Tj – KWO**
- VI. **Update on KBID projects – Pete - KBID**
- VII. **Update on the Milford RCPP**
- VIII. **Agency or Public Comments:**
- IX. **Upcoming Meetings:**
  - a. **KWA meeting, July 30-31, 2019, Goodland, KS**
  - b. **Next Solomon-Republican Meeting (Doodle Poll)**
  - c. **Adjourn**



# Solomon-Republican Regional Advisory Committee Meeting Notes

## Solomon-Republican Regional Advisory Committee Meeting

10:00 am, Wednesday, March 6, 2019

Pioneer Seeds Meeting Room, 240 W. US Highway 24, Downs, KS

### Members in Attendance:

Name	City	Category	Term	Present
Donald Hellwig (Chair)	Solomon, KS	Agriculture	2021	Yes
Mike Brzon	Courtland, KS	At Large Public	2021	No
John Cockerham	Osborne, KS	Conservation/Environment (cc)	2021	No
Raymond Debey	Cawker City, KS	Agriculture (cc)	2019	Yes
Timothy Driggs	Phillipsburg, KS	Public Water Supply (cc)	2019	No
Stacey Forshee	Ottawa County, KS	At Large Public	2019	No
Keith Houghton	Tipton, KS	Fish, Wildlife & Recreation	2019	No
Terry Nelson	Phillips County, KS	Irrigation West	2021	No
David Pfizenmaier	Clay Center, KS	At Large Public	2021	Yes
Arnold Ross	Webber, KS	Irrigation East	2019	Yes

### Others in attendance:

Name	Agency	Name	Agency
Lynn Davignon	KDWPT	Mark Billinger	KDA-DWR
Kenneth Kopp	KRWA	Jennifer Nichols	KDHE
Steve Frost	KDA-DOC	Kirk Tjelmeland	KWO

**I. Welcome and Introductions:** Donald Hellwig, Chairman, called the meeting to order at 10:05 am with self-introductions around the table, attendance was a little sparse.

### II. RAC Business:

- a) **Review of December 17<sup>th</sup> meeting notes:** Don asked if there were any additions or corrections to the December 17<sup>th</sup> meeting notes, there were none. They stand approved as written.
- b) **Review of January 30<sup>th</sup> Legislative Visits:** Don stated that his visits were good but there would be no commitment to water issues until the school funding issue is resolved. He also thought there was more awareness of water issues especially in western Kansas due to the Water Technology Farms and their publicity. Tj mentioned that there seemed to be an increased knowledge of water issues even with the new legislators. Also the Water and Environment Committee is no more and water related bills will go through the Agriculture Committee.
- c) **Review of the January 31<sup>st</sup> KWA meeting in Topeka:** Don mentioned the Public Water Supply issues for Council Grove and Lawrence and the Bathymetric surveying took up a good portion of the meeting. Reservoir surveys will be covered cover later on today's agenda. There was a process laid out as to how the RAC membership will take place over the next several months. This is relevant with about half of the RAC member terms being up the end of June this year. Lieutenant Governor, Lynn Rogers spoke for a few minutes and there were no questions of him so he was there only a few minutes.

**Membership:** Donald Hellwig (Chair), Solomon, KS; Mike Brzon, Courtland, KS; John Cockerham, Osborne, KS; Raymond Debey, Cawker City, KS; Timothy Driggs, Phillipsburg, KS; Stacey Forshee, Ottawa County, KS; Keith Houghton, Tipton, KS; Terry Nelson, Phillips County, KS; David Pfizenmaier, Clay Center, KS; Arnold Ross, Webber, KS **KWO Planner:** Kirk Tjelmeland, 785-296-3185; [kirk.tjelmeland@kwo.ks.gov](mailto:kirk.tjelmeland@kwo.ks.gov)

- III. Update from the Kansas Rural Water Association (KRWA):** Ken Kopp made this presentation and the presentation is available [here](#). The KRWA has been around for more than 50 years and its mission is to educate and provide leadership to water and wastewater utilities in Kansas. Outreach through publications, print and social media to accomplish this. KRWA is a 501c3 company a seven member board and 17 employees with their main office in Seneca. KRWA currently has 484 municipalities that it provides technical support to, ex. GIS mapping. Since 1992 a total of 2,098 water loss surveys have been conducted locating more than 6.8 billion gallons on an annual basis with a value over \$15 million. KRWA is also partially funded by KWO and the Kansas Department of Health and Environment. KRWA produces an annual report that can be found [here](#). Training of operators is a good portion of what they do with over 110 days of training in 2018 and nearly 7,000 participants. Sampling of waste ponds is a necessary job but is not a highly sought after position. Their staff is also very capable of helping a city or utility design a website. One of their big outreach events is the annual conference which will draw over 1,000 people and hundreds of vendors. KRWA also uses their weekly e-news, which Ken produces, to keep Kansans informed on water issues. He encouraged everyone to subscribe which can be done [here](#). The idea of getting Osborne RWD #2 in contact with KRWA was brought up to help them resolve their water issue.
- IV. Update from KWO on RAC Membership:** Tj led this discussion with a display of the RAC member contact information sheet that lists term of service. We have about half of the RAC that has their term expiring the end of June this year. We want those members to continue to serve on the RAC and an application will be sent out to them shortly or can be found online [here](#). This will help to make sure KWO has current contact information, have been having some problems recently. Applications have been sent out to Larry Kindig and Keli Habiger, both of which have participated in our meetings before. Don was working on finding another person through an old acquaintance. Tj asked the group if they knew of any other people that might be interested in serving on the committee and if they do please pass their name along.
- V. Update on Water Transfer from Platte to Republican River:** Don asked Lynn if he had any new on this and Lynn said he hadn't heard a word on this for some time. KDWP had drafted a response to the application that sited the potential movement of White Perch, Asian Carp and Zebra Mussels into Harlan County, Lovewell and then Milford Reservoirs and the destruction that would cause. Tj mentioned that after talking to Lynn he contacted Jeff Runge with USFWS in Nebraska and he hadn't heard anything either. There is a website that is monitoring the progress of the application and it is located [here](#). There hadn't been any entries since October so Susan France, Information Officer for Nebraska DNR was contacted. She said the process is moving along and they are looking to post some updates to the webpage in a couple of weeks. This is a relatively cheap project to help offset the amount of water Nebraska owes Kansas however it would have a huge environmental impact if allowed to be constructed.
- VI. Update on Milford RCPP:** Tj started this discussion noting the recent outreach to the Conservation Districts in the Milford Watershed. Eight of the nine Annual Conservation District meetings in the

Milford watershed were attended by a KWO person to explain the program. There had been a power point developed that is available [here](#). Information delivered in the power point included: there are more than 30 partners that have joined together to make this multi-million dollar effort a success. Financial assistance is being offered to landowners with the goal of reducing the nutrient loading in the Milford watershed by 31,000 pounds of phosphorus annually. The Milford watershed includes portions of Jewell, Republic, Washington, Mitchell, Cloud, Clay, Riley, Dickenson and Geary Counties. Funding is available through the Natural Resources Conservation Service (NRCS) Environmental Quality Incentives Program (EQIP) to implement practices on land in Milford watershed to address water quality concerns. Some of the water quality improvement best management practices that are available for funding are: nutrient management, residue management, filter strips, grass plantings, cover crops and several others. There has been on sign up deadline and another is March 15, 2019. Tj brought some Factsheets, KDWPT incentive payment sheets and koozies for the group. Attendance numbers at the annual Conservation District meetings is high so this is a great place to get the message out about the Milford RCPP. More information about the Milford RCPP is located at [www.milfordwatershed.org](http://www.milfordwatershed.org)

**VII. Update from KWO on Bathymetric Surveys:** Don mentioned this was discussed at the January KWA meeting and that this is goal #3 of the Committee. Tj said that generally the bathymetric survey costs between \$90,000 to \$100,000/survey and it would be a while to get to Waconda Lake done since it is not a high priority water supply lake. KWO thought they could purchase the necessary equipment to do the surveys and complete more surveys per year for a much cheaper rate. KWO now owns a boat, equipment and soon a truck to complete the surveys. A power point is available [here](#) showing construction of the boat. The equipment is nearly identical to the equipment the USACE uses for the surveys and we'll use the same track logs (paths) created for use in previous surveys eliminating possible errors. This should speed up the process of getting surveys completed and hopefully Waconda will be completed within the next couple of years. Lynn mentioned they have completed surveys on smaller bodies of water across the state.

**VII. Comments:** Mark, KDA-DWR, brought up filling water use reports on-line. He stated that their on-line reporting system has been busy, 86.6% of their water use reports have been done online with 7.5% in paper and the rest have not reported. He was pleased with the number of online reports. If the water use report isn't filed by June 1<sup>st</sup> there is a \$250 fine and suspension of the water right until this and the \$20/file fee is paid. Tj talked a little about the Lower Republican Access District, set up to help Junior water right holders when MDS is put on. A meeting was held last week in Concordia that generated more questions than answers but we'll continue to work towards a solution.

### **VIII. Future Meetings:**

- a. Kansas Water Authority: April 18, 2019, Abilene Civic Center, Abilene, KS.
- b. Solomon-Republican RAC: Doodle Poll (June)
- c. Don adjourned the meeting with no further business at 11:25am.

# MEMO



DATE: May 24, 2019  
TO: Regional Advisory Committees  
FROM: Earl Lewis, Acting Director  
RE: State Water Plan Fund Budget Recommendations

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The Kansas Water Authority (KWA) is developing recommendations for how the State Water Plan Fund (SWPF) should be allocated during state fiscal year 2021. This includes requesting restoration of the full \$6 million State General Fund and \$2 million Economic Development Initiatives Fund demand transfers to the SWPF.

During the April KWA meeting, action was taken setting a budget recommendation development timeline, including seeking regional advisory committee (RAC) input into the process before the KWA finalizes their recommendations. The KWA will take action at the July meeting to finalize budget recommendations so that agencies may include the recommendations in agency requests in September.

Attached are two spreadsheets covering the SWPF as recently approved by the legislature and requests that have been made for Fiscal Year 2021, including fee revenue the full restoration of the demand transfers.

Recognizing the unique role RACs serve in representing local interest in identifying issues and developing action plans to solve those issues, the KWA is seeking your input regarding the SWPF budget. In particular, for the requests regarding restoration of the demand transfers:

1. Which projects/programs are the highest priorities for your region to implement your goals and action plans?
2. What is an appropriate level of funding for those high priority items that will be effective and can be implemented?
3. Are there actions, projects or programs that your RAC feels should be included that are not, or that are getting too much attention?

The KWA Budget Committee will meet in mid to late July to review RAC and agency feedback to what has been requested. This will be a difficult task as I believe we all understand that there is more demand for funds than there is money available. Your input is very important to this process of identifying the most effective and critical funding needs.

We are asking that any RAC providing recommendations do so by action of the committee. This will help to ensure that the wishes of the committee are clearly communicated to the KWA Budget Committee.

Thank you for you continued work on our common water resource issues.

**State Water Plan Fund  
FY2020 Final Appropriation**

<b>EXPENDITURES</b>	<b>FY2018 Actuals</b>	<b>FY2018 Carry Forward</b>	<b>FY2019 Appropriated</b>	<b>FY2019 w/carry forward</b>	<b>FY2020 Appropriated</b>
<b>Department of Health and Environment</b>					
Contamination Remediation	\$ 627,449	\$ 9,581	\$ 691,394	\$ 700,975	\$ 1,088,301
TMDL Initiatives	\$ 244,112	\$ 6,252	\$ 278,029	\$ 284,281	\$ 278,029
Nonpoint Source Program	\$ 235,045	\$ 10,495	\$ 303,208	\$ 313,703	\$ 303,208
Harmful Algae Bloom Pilot	\$ -	\$ -	\$ 450,000	\$ 450,000	\$ 450,000
Watershed Restoration and Protection	\$ 549,996	\$ 5,004	\$ 730,884	\$ 735,888	\$ 730,884
Drinking Water Protection Program	\$ -	\$ -	\$ -	\$ -	\$ 350,000
<b>SUBTOTAL--KDHE</b>	<b>\$ 1,656,602</b>	<b>\$ 31,332</b>	<b>\$ 2,453,515</b>	<b>\$ 2,484,847</b>	<b>\$ 3,200,422</b>
<b>Department of Agriculture</b>					
Interstate Water Issues	\$ 404,335	\$ 25,962	\$ 497,386	\$ 523,348	\$ 490,007
Subbasin Water Resources Management	\$ 539,837	\$ -	\$ 619,692	\$ 619,692	\$ 608,949
Water Use	\$ 75,000	\$ 45,178	\$ 72,600	\$ 117,778	\$ 72,600
Water Resources Cost Share	\$ 1,601,360	\$ 207,050	\$ 1,948,289	\$ 2,155,339	\$ 2,448,289
Nonpoint Source Pollution Asst.	\$ 1,331,554	\$ 299,464	\$ 1,860,023	\$ 2,159,487	\$ 1,857,836
Aid to Conservation Districts	\$ 2,000,000	\$ -	\$ 2,092,637	\$ 2,092,637	\$ 2,192,637
Watershed Dam Construction	\$ 528,157	\$ -	\$ 551,373	\$ 551,373	\$ 550,000
Water Quality Buffer Initiative	\$ 140,648	\$ 125,022	\$ 200,000	\$ 325,022	\$ 200,000
Riparian and Wetland Program	\$ 44,363	\$ 372,495	\$ 152,651	\$ 525,146	\$ 154,024
Water Transition Assistance Program/CREP	\$ 222,280	\$ 25,975	\$ 201,963	\$ 227,938	\$ 299,745
Irrigation Technology			\$ 100,000	\$ 100,000	\$ 100,000
Crop and Livestock Research					\$ 350,000
Hemp Research			\$ 100,000	\$ 100,000	
Sorghum Crop Research			\$ 150,000	\$ 150,000	
Streambank Stabilization			\$ 500,000	\$ 500,000	\$ 500,000
<b>SUBTOTAL--KDA</b>	<b>\$ 6,887,534</b>	<b>\$ 1,101,146</b>	<b>\$ 9,046,614</b>	<b>\$ 10,147,760</b>	<b>\$ 9,824,087</b>
<b>Kansas Water Office</b>					
Assessment and Evaluation	\$ 446,047	\$ 147,976	\$ 450,000	\$ 597,976	\$ 700,000
GIS Database Development	\$ 50,000	\$ -	\$ -	\$ -	
MOU - Storage Operations & Maintenance	\$ 363,699	\$ -	\$ 350,000	\$ 350,000	\$ 410,000
Stream Gaging	\$ 350,000	\$ -	\$ 431,282	\$ 431,282	\$ 423,130
Technical Assistance to Water Users	\$ 382,256	\$ 39,219	\$ 325,000	\$ 364,219	\$ 325,000
Vision Education Strategy	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000
Reservoir and Water Quality Research					\$ 350,000
Water Tech Farms	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000
Kansas Alluvial	\$ 100,000	\$ -	\$ 50,000	\$ 50,000	
Streambank Study	\$ -	\$ -	\$ 100,000	\$ 100,000	
Bathymetric Study	\$ -	\$ 100,000	\$ 100,000	\$ 200,000	
Harmful Algae Bloom Study	\$ -	\$ -	\$ 100,000	\$ 100,000	
Watershed Conservation Practice Imp	\$ -	\$ -	\$ 900,000	\$ 900,000	\$ 700,000
Equus Beds Chloride Plume Project	\$ -	\$ -	\$ 50,000	\$ 50,000	\$ 50,000
Milford Lake Watershed RCPP	\$ -	\$ 200,000	\$ 200,000	\$ 400,000	\$ 200,000
Water Resource Planner	\$ -	\$ -	\$ 101,848	\$ 101,848	
Streambank Stabilization	\$ 1,000,000	\$ -	\$ -	\$ -	
<b>SUBTOTAL--KWO</b>	<b>\$ 2,692,002</b>	<b>\$ 487,195</b>	<b>\$ 3,333,130</b>	<b>\$ 3,820,325</b>	<b>\$ 3,333,130</b>
<b>University of Kansas--Geological Survey</b>					
State Employee Pay Plan					\$ 37,935
<b>Total State Water Plan Expenditures</b>	<b>\$ 11,262,979</b>	<b>\$ 1,646,514</b>	<b>\$ 14,860,100</b>	<b>\$ 16,479,773</b>	<b>\$ 16,422,415</b>

<b>REVENUE</b>	<b>FY2018 Actuals</b>	<b>FY2018 Carry Forward</b>	<b>FY2019 Appropriated</b>	<b>FY2019 w/carry forward</b>	<b>FY2020 Projected</b>
<b>Beginning Balance</b>	\$ 718,547		\$ 2,197,007	\$ 2,197,007	\$ 521,409
<b>Transfers and Adjustments</b>					
State General Fund Transfer	\$ 1,400,000		\$ 2,750,000	\$ 2,750,000	\$ 4,005,632
Economic Development Fund Transfer	\$ -		\$ 500,000	\$ 500,000	\$ 500,000
Release of Prior Year Encumbrance	\$ 479,604				
Other Service Charges	\$ 203,260		\$ 28,255	\$ 28,255	\$ 28,255
Transfers to SGF - John Redmond Bond	\$ (1,260,426)		\$ (1,260,426)	\$ (1,260,426)	\$ (1,260,426)
<b>SUBTOTAL--Adjustments</b>	<b>\$ 822,438</b>	<b>\$ -</b>	<b>\$ 2,017,829</b>	<b>\$ 2,017,829</b>	<b>\$ 3,273,461</b>
<b>Receipts</b>					
Municipal Water Fees	\$ 2,993,852		\$ 3,267,271	\$ 3,267,271	\$ 3,267,271
Clean Drinking Water Fee Fund	\$ 2,701,067		\$ 2,820,674	\$ 2,820,674	\$ 2,710,279
Industrial Water Fees	\$ 904,987		\$ 1,120,701	\$ 1,120,701	\$ 1,065,021
Stock Water Fees	\$ 368,617		\$ 464,256	\$ 464,256	\$ 458,695
Pesticide Registration Fees	\$ 1,431,093		\$ 1,334,523	\$ 1,334,523	\$ 1,375,453
Fertilizer Registration Fees	\$ 3,354,186		\$ 3,568,921	\$ 3,568,921	\$ 3,584,360
Pollution Fines and Penalties	\$ 158,620		\$ 165,000	\$ 165,000	\$ 150,000
Sand Royalties	\$ 6,580		\$ 45,000	\$ 45,000	\$ 16,466
<b>SUBTOTAL--Receipts</b>	<b>\$ 11,919,001</b>	<b>\$ -</b>	<b>\$ 12,786,346</b>	<b>\$ 12,786,346</b>	<b>\$ 12,627,545</b>
Total Available	\$ 13,459,986		\$ 17,001,183	\$ 17,001,183	\$ 16,422,415
Less: Expenditures	\$ 11,262,979		\$ 14,860,100	\$ 16,479,773	\$ 16,422,415
<b>Ending Balance</b>	<b>\$ 2,197,007</b>	<b>\$ -</b>	<b>\$ 2,141,083</b>	<b>\$ 521,410</b>	<b>\$ 0</b>



**State Water Plan Fund Transfer Request (SGF/EDIF)**  
**FY2021 Funding Requests by Vision Categories**

**Water Conservation**

<i>Funding Agency</i>	<i>Requesting Agency</i>	<i>Description</i>	<i>FY2020 Legislature Approved</i>	<i>FY2021 Agency Request</i>	<i>Explanation and Justification</i>
KWO	KWO	Watershed Conservation Practice	\$ 700,000	\$ 1,800,000	To protect water supply storage and improve water quality in reservoirs across Kansas that provides water to municipal and industrial customers through implementation of watershed conservation practices within Vision priority watersheds.
KWO	KWO	Milford Lake Watershed RCPP	\$ 200,000	\$ 200,000	Nutrient runoff within the Milford Lake watershed in Kansas is a source of nutrient loading contributing to aquatic conditions which promote formation of harmful algal blooms (HABs) within Milford Lake. This RCPP project will look to implement conservation practices within the Milford Lake watershed to decrease nutrient runoff, thus decreasing the introduction of new nutrient loading contributing to the formation of HABs in Milford Lake.
KWO	KWO	Vision Education Strategy	\$ 100,000	\$ 250,000	Raise awareness of water issues within the state and increase the knowledge of those working within water-related careers. Partnering State Agencies: KDA, KDHE, KDWP&T, and KWO
KDHE	KDHE	Watershed Restoration and Protection	\$ 730,884	\$ 730,884	WRAPS contributes to the Kansas NPS Management Plan through the implementation of a voluntary targeted watershed-based program funded by CWA 319 and State Water Plan Funds. This program is unique because it works to seek citizen and stakeholder input and participation on watershed management and protection issues.
KDA	KDA	Non-Point Source Pollution	\$ 1,857,836	\$ 2,157,836	To implement additional soil health education activities in 105 county conservation districts as well as increasing landowner/operator scholarships to soil health educational seminars such as the annual No-Till on the Plains Conference (\$100K). Fund technical assistance in high priority areas through the use of contribution agreement conservation technician positions in partnership with NRCS (\$200K) without having to reduce Cost-Share funds.
KDA	KDA	Riparian and Wetland	\$ 154,024	\$ 404,024	Open the Initiative up to the remaining targeted watersheds in Kansas for enrollment. These funds would have the potential to promote conservation efforts on 1,100-1,500 acres in areas targeted by the State of Kansas for Sediment and Nutrient Impairment.
KDA	KDA	Water Resource Cost Share	\$ 2,448,289	\$ 2,948,289	To increase implementation of voluntary best management conservation practices that reduce sediment, soil erosion, phosphorus and other specified pollutants above federal reservoirs and in high priority HUC 12 watersheds. Mgmt practices such as the adoption of no-till, soil testing and prescribed grazing are offered along with structural practices to assist local conservation district boards and landowners accomplish water quality and quantity goals.
KDA	KDA	Watershed Dam Construction	\$ 550,000	\$ 1,450,000	To meet needs in unfunded dam construction (3 new sites: Marmaton WJD 102, Allen Creek WD 89 and Mill Creek WD 98) and rehabilitation of 8-10 existing flood control dams. State cost-share for New Construction and Rehabilitation are capped at \$120,000 per site per district.
KDA	KDA	CREP	\$ 299,745	\$ 699,745	Retire 6,186 ac-ft of water rights in Zone D with targeted enrollment of 4,124 irrigated acres in the Rattlesnake Creek impairment area [7,732 ac-ft & 5,155 irrigated acres with \$500,000 total]. DOC will partner with landowners, TNC, WaterPACK, GMD#5 and other interest groups to reduce pumping and conserve limited water resources.
KDA	KDA	Water Quality Buffer Initiative	\$ 200,000	\$ 200,000	Voluntary incentive program for landowners and operators who enroll in, or are eligible to enroll in the federal Continuous Conservation Reserve Program (CCRP). The Initiative provides state payments in addition to the CCRP annual payments for establishing either grass filter strips or riparian forest buffers in High Priority TMDL Watersheds
KDA	KDA	Streambank Stabilization	\$ 500,000	\$ 1,500,000	The Kansas Interagency Streambank Team has a total of 22 project sites that are being designed for construction or are seeking landowner contracts. These project are estimated to reduce sedimentation by 85,878 tons/year with projects located in all 3 of the priority watersheds. Current estimated cost of completion for these 22 projects is approximately \$3,750,000. Ground truthing for additional sites will continue in SFY2020.
KDA	KDA	Water Transition Assistance Program		\$ 200,000	Retire irrigation water rights in proximity to municipal water wells in the Wichita / Greeley counties RCPP project (Playas Recharging Kansas Communities). DOC will partner with NRCS, Playa Lakes Joint Venture, Ducks Unlimited, Pheasants Forever and other interest groups to reduce pumping and increase recharge in targeted areas.
KDA	KDA	Water Conservation Specialists <i>Subbasin Water Resources Mgmt</i>		\$ 300,000	Funding for three (\$300,000) Water Conservation Specialists. Two working in Garden City. One working in Stockton. These positions specialize in WCAs and LEMAs. These positions promote, monitor and conduct the technical work of the management programs. These positions are currently implementing Vision goals and objectives of water management. The WCAs are a voluntary program.
KDA	KDA	Water Conservation Manager <i>Subbasin Water Resources Mgmt</i>		\$ 125,000	To support, coordinate and supervise water conservation specialists in the field offices by performing targeted outreach and promotion for WCAs and LEMAs. Cost includes travel.
<b>Sub-Total</b>			<b>\$ 7,740,778</b>	<b>\$ 12,965,778</b>	

**State Water Plan Fund Transfer Request (SGF/EDIF)**  
**FY2021 Funding Requests by Vision Categories**

<b>Water Management</b>					
<i>Funding Agency</i>	<i>Requesting Agency</i>	<i>Description</i>	<i>FY2020 Legislature Approved</i>	<i>FY2021 Agency Request</i>	<i>Explanation and Justification</i>
KWO	KWO	Technical Assistance to Water Users	\$ 325,000	\$ 425,000	Per K.S.A 82a-2101, Not less than 15% of the Clean Drinking Water Fee shall be used for technical assistance to water users to aid such systems in conforming to responsible management practices and complying with regulations of the United States environmental protection agency and rules and regulations of the department of health and environment.
KDHE	KDHE	Harmful Algae Bloom Pilot	\$ 450,000	\$ 450,000	Investigate and demonstrate in-lake treatment options such as ultrasound, superoxide or other chemical treatments in Reservoir. The objective is to assess the effectiveness of such treatment options at minimizing the impact of Harmful Algae Blooms (HABs).
KDHE	KDHE	TMDL Initiatives	\$ 278,029	\$ 278,029	Monitoring and assessment program to track trends and conditions in surface waters to achieve the objective of the Kansas Water Plan and maintain state primacy for administration of federal water quality programs. The section has primary responsibility for surface water chemical and biological monitoring and assessment, the 303(d) and TMDL programs, as well as the water quality standards program.
KDA	KDA	Subbasin Water Resources Mgmt	\$ 608,949	\$ 608,949	Provides enhanced water management by conducting hydrologic analyses at the subbasin level, developing decision support information and products, and performing enhanced water right protection through enforcement.
KDA	KDA	Interstate Water Issues	\$ 490,007	\$ 490,007	Provides state and consulting expertise to protect Kansas's interest in the Kansas-Colorado Arkansas River Compact and the Kansas-Colorado-Nebraska Republican River Comact. Staff and experts perform physical inspections across state lines and perform independent water accounting to ensure compliance. Staff and experts also review Colorado and Nebraska statutes, rules and regulations, and participate in water-related meetings throughout the basin to maintain good relationships and represent Kansas's interest.
KDA	KDA	Water Use Study	\$ 72,600	\$ 72,600	Kansas has the most thorough and accurate water use reporting system in the nation. Recently, funding from the Water Use Study Program helped develop an online water use reporting system to further improve the accuracy of our water use data and the efficiency reporting it. This year over 90% of mandatory reports were submitted through the online system increasing the accuracy of the data and making it available sooner. Funds a contract with the Kansas Geological Survey to maintain and enhance the online water use reporting system, and a contract with the United States Geological Survey to perform independent quality control on the water use data.
KDA	KDA	Aid to Conservation Districts	\$ 2,192,637	\$ 2,492,637	To maintain and enhance conservation district operations by addressing annual inflationary costs. This enhancement provides opportunities for matching by county governments as per K.S.A. 2-1907b.
KDA	KDA	Interstate Water Engineer		\$ 100,000	To enhance the existing interstate team to help administer and enforce the Kansas-Colorado Arkansas River Compact.
KDA	KDA	Real-Time Water Mgmt - telemetry		\$ 125,000	Purchase equipment to replace aging and deteriorating water pressure transducers, rate loggers, data loggers, and telemetry. Would be same equipment as KGS uses to bring consistency to mutual data collection efforts and economy of scale for maintenance.
KDA	KDA	Subbasin Water Resources Mgmt		\$ 85,000	Programmer that will work on WRIS, WRIS Mobile, WSI, and GIS-related applications.
KDA	KDA	DWR Application Specialist		\$ 150,000	To preserve and provide comprehensive public access to water right information by scanning existing paper files and making them electronically accessible through online services
KDA	KDA	Public Access to Water Right Info.		\$ 150,000	
		<b>Sub-Total</b>	<b>\$ 4,417,222</b>	<b>\$ 5,277,222</b>	

## State Water Plan Fund Transfer Request (SGF/EDIF)

### FY2021 Funding Requests by Vision Categories

Technology and Crop Varieties						
Funding Agency	Requesting Agency	Description	FY2020 Legislature Approved	FY2021 Agency Request	Explanation and Justification	
KWO	KWO	Water Technology Farms	\$ 75,000	\$ 250,000	Continued development and enhancement of demonstration farms that allow the installation and testing of the latest irrigation technologies and soil moisture management, as well as the opportunity to evaluate the effectiveness of conservation practice implementation in reducing sediment and nutrient runoff on a whole field scale. Enhancement to include Water Quality Tech Farms.	
KWO	KWO	Streamgaging	\$ 423,130	\$ 430,000	Support the continuous monitoring of streamflow's on key streams and rivers in Kansas, to determine flood stages for various streams and to help forecast when and where streams will crest during floods.	
KWO	KWO	Reservoir & Water Quality Research	\$ 350,000	\$ 350,000	Continued coordination, support and implementation of reservoir-related data collection, analysis and research of sediment and HABs, research related to sediment-reducing practices such as streambank stabilization projects, as well as the continuation of the Kansas River Alluvial Index Well Network and the associated stream aquifer model.	
KDA	KDA	Crop and Livestock Research	\$ 350,000	\$ 350,000	Work on research projects as identified by industry. See below for some current ideas.	
KDA	KDA	Irrigation Technology	\$ 100,000	\$ 200,000	To increase the implementation of practices that aid in the conservation of surface and ground water through the adoption of irrigation technology such as automated soil moisture probes, remote sensing units and mobile drip irrigation systems.	
<b>Sub-Total</b>			<b>\$ 1,298,130</b>	<b>\$ 1,580,000</b>		

Additional Sources of Supply						
Funding Agency	Requesting Agency	Description	FY2020 Legislature Approved	FY2021 Agency Request	Explanation and Justification	
KWO	KWO	Assessment & Evaluation	\$ 700,000	\$ 700,000	Provide the Water Planning and Vision process with the background information necessary to make decisions and improve implementation of projects. KWO contracts with consultants, universities and re-search entities for a variety of data collection and studies.	
KWO	KWO	MOU - Storage Operation & Maint.	\$ 410,000	\$ 480,100	Operation and Maintenance costs associated with reservoir water storage paid to the Corps of Engineers for water supply for storage not yet dedicated to a water marketing customer or water assurance district.	
KWO	KWO	Water Injection Dredging (WID)		\$ 1,500,000	WID injects water in the bottom of the reservoir, creating hereby density currents which are capable of transporting large amounts of sediment. The sediments are sluiced out of the reservoir.	
KWO	KWO	Future Use Storage Purchase		\$ 2,358,300	Call into service storage not needed for water quality purposes in Milford & Perry Reservoirs. This is currently shown as an unfunded liability with a end of contract balloon payments in 2034 and 2041, respectively.	
KWO	KWO	Equus Beds Chloride Plume Project	\$ 50,000	\$ 100,000	Chloride contamination within the Equus Beds Aquifer resulting from previous oil field production has resulted in areas of groundwater which is unsuitable for most uses. Remediation of areas of high chloride concentrations within the Equus Beds would help generate an additional water supply source as well as help protect and prolong the useable lifespan of groundwater wells around areas of chloride contamination.	
KDHE	KDHE	Contamination Remediation	\$ 1,088,301	\$ 1,088,301	Evaluation, monitoring, and remediation of contaminated soil and groundwater sites when the responsible party is unknown or is unable to undertake the necessary action.	
KDHE	KDHE	Drinking Water Protection	\$ 350,000	\$ 350,000	The program purpose is to insure all Kansas communities have a source of clean, healthy, affordable drinking water by planning and implementing strategies to prevent and mitigate contamination.	
KDA	KDA	Water Structures Professional Engineer <i>Interstate Water Issues</i>		\$ 100,000	Water Structures Engineer for activities which include independent review of complex engineering calculations and constriction documents for dams, channel changes, stream obstructions, floodplain fills and levees in order to process water structure permits. The work includes field inspections of construction and completed projects, safety inspections, resolution of conflicts and communication with landowners, contractors and other engineers. This position would ensure that succession in staff is appropriately and responsibly planned for.	
KDA	KDA	Water Supply Restoration		\$ 465,000	Partner with the City of Augusta to rehabilitate Santa Fe Lake which serves as one of their water supply reservoirs.	
<b>Sub-Total</b>			<b>\$ 2,598,301</b>	<b>\$ 7,141,701</b>		

	FY2020 Approved	FY2021 Requested
<b>Total</b>	<b>\$ 16,054,431</b>	<b>\$ 26,964,701</b>

# MEMO



DATE: April 15, 2019  
TO: Kansas Water Authority  
FROM: Earl Lewis  
RE: Vision and the Kansas Water Plan

In January 2015, *The Long Term Vision for the Future of Water Supply in Kansas* was completed to provide a long-term planning framework to address declines of the High Plains/Ogallala Aquifer, decreasing reservoir water supply storage lost due to sedimentation as well as other items tied to water conservation, water management, technology & crop varieties, and additional sources of supply. Governor Kelly recognizes the value of the water resources of Kansas and for the economic prosperity of the state and has expressed the desire to initiate a process to help measure implementation progress and make necessary adjustments to help the long-term success of water resource planning efforts within Kansas. As we approach the 5 year anniversary of the Vision it is now time to evaluate progress made on implementation to this point, identify new water resource issues, update and develop new Regional Goals and Actions Plans, and incorporate these items into the Kansas Water Plan.

Starting today and over the course of the coming months a process will be initiated with the following proposed strategic objectives in mind:

- Evaluation of progress made and make changes based on implementation results to date
- Identification of additional issues and/or topics not previously addressed
- Identification of priority regional water resource projects
- Reorganization of Vision and incorporation of action items into the Kansas Water Plan

Included within this proposed process will be the opportunity for local stakeholders to provide input on local water resource issues, including those which might not be currently accounted for in the current Vision or associated regional goals and action plans. Development of new or modifications to existing regional goals and action plans are to be expected from this process, as well as evaluation of the statewide Vision document for reorganization and consolidation purposes. Ultimately, this process will yield a merged Vision/Kansas Water Plan document with will be utilized to help guide the water resource planning efforts of Kansas.

An accompanying concept paper further describing this process is included within meeting mailing materials.

Additional information on this process will be shared with the full KWA at future meetings.

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*This is for informational purposes only. No Kansas Water Authority action necessary at this time.*

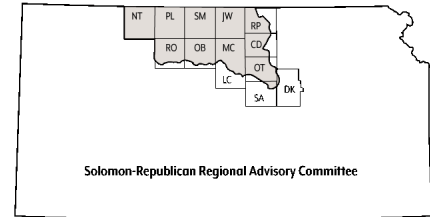
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Action	Step	Goal	Status	2019 Update
Solomon-Republican REGIONS				
Support KDWPT in their effort to renegotiate the Keith Sebelius Reservoir Minimum Pool Agreement with the Almena Irrigation District.	N/A	#1	Complete	Norton City/County Economic Development organization continues to hold annual fund raisers to fund their portion of the payment to the Irrigation District
Use the Keith Sebelius contract as a model for negotiations on other BOR Reservoirs (Kirwin, Webster)	N/A	#1	Not Started	
Use KBID's knowledge on capturing BOR grants to help improve Webster and Kirwin irrigation efficiency.	N/A	#1	In Progress	The Webster Irrigation District has submitted a small WaterSMART grant to improve delivery efficiencies in their system.
Exhaust all possible funding sources necessary to improve water efficiency.	N/A	#1	Continuous	
Work with KDWPT on an economic study to determine the value of keeping as much water in the Western Reservoirs as possible.	N/A	#1	Complete	Two public meetings were held in Norton to present the information in the Economic Study. On multiple occasions when presenting the Milford RCPP information the Norton Economic Study was cited to help give value to the reservoir.
Initiate a meeting with USF&WS on Kirwin Reservoir facilities and KDWPT's involvement.	N/A	#1	Not Started	
Investigate the benefits of raising the Conservation Pool at both Kirwin and Webster.	N/A	#1	Not Started	With the cost of this established at a couple eastern reservoirs, investing in a pool rise study seems unlikely at this time

Action	Step	Goal	Status	2019 Update
Use KDHE to evaluate sources of sediment entering Lovewell Reservoir.	N/A	#2	Continuous	Rotational gage on White Rock Creek coupled with 2011 bathymetric survey data. With the purchase of boat and equipment a more current bathymetric survey will provide better data
Use Kansas and Nebraska data to evaluate suspended solids and nutrients.	N/A	#2	Continuous	Gage at state line and other rotational and annual gages used to monitor changes over time
Use data to evaluate the effects of the Courtland Canal on Reservoir loading.	N/A	#2	Continuous	KDHE has installed a rotational gauge at the grab sample location for use into the future
Work with KBS to complete bathymetric survey of Waconda Reservoir.	N/A	#3	Not Started	Waconda remains on the short list for survey completion and with the purchase of a boat and bathymetric survey equipment it is possible this will be a reservoir completed in the next year or two
Quarterly presentation by KWO staff on RRC outcomes.	N/A	#4	Continuous	Typically we have someone from KDA-DWR or KBID at the meeting to fill the RAC in on any new developments

Meeting Notice:  
June 21, 2019

For More Information:  
Katie Patterson-Ingels  
(785) 296-3185, [katie.ingels@kwo.ks.gov](mailto:katie.ingels@kwo.ks.gov)



### **Solomon-Republican Regional Advisory Committee Meeting in Downs**

*July 2, 10 a.m., at the Pioneer Seeds Meeting Room*

The Kansas Water Office's (KWO) Solomon-Republican Regional Advisory Committee (RAC) will meet to discuss current water issues affecting the region as well as the state.

The meeting will be Tuesday, July 2 at 10 a.m., in the Pioneer Seeds Meeting Room, 240 W. US Hwy 24 in Downs, Kansas. The agenda has several items including: A budget presentation by Jackie Craine our new Chief Financial Officer, a review of the region's goals and action plans, an update from Pete Gile on the KBID projects as well as an update on RAC membership.

The agenda will be available at [www.kwo.ks.gov](http://www.kwo.ks.gov) or you may request copies by calling (785) 296-3185 or toll-free at (888) KAN-WATER (526-9283).

For additional information contact the Kansas Water Office at 900 SW Jackson Street, Suite 404, Topeka, KS 66611-1249 or call (785) 296-3185.

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*As the state's water office, KWO conducts water planning, policy coordination and water marketing as well as facilitates public input throughout the state.*

*The agency prepares the KANSAS WATER PLAN, a plan for water resources development, management and conservation.*