Upper Arkansas & Cimarron
Common Goals and Progress
Upper Arkansas
## Groundwater Declines

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<td>-3.93</td>
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<td>Great Bend Prairie</td>
<td>3.11</td>
<td>0.59</td>
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<td>-2.97</td>
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<td>-0.45</td>
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<td>-0.69</td>
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<td>-0.87</td>
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<td>-0.52</td>
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<td>-1.41</td>
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<td>-0.09</td>
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- Increase = [Green]  
- Decrease = [Red]  
- Unchanged = [Yellow]
Upper Arkansas Declines
Upper Arkansas Regional Planning Area
Average Water Use by Selected Uses and Percent Groundwater (GW) 2011-2015 (Acre-Feet)

Water Use by Type
- Industry
- Irrigation
- Recreation
- Stockwater
- Municipal

Sources:
Division of Water Resources, Water Use Program
Kansas Water Office, Water Marketing Program

Total: 1,126,586
98% GW

Kansas Water Office August 2017
WCAs

Thirteen WCAs cover over 25,000 acres of the 833,781 irrigated acres in the region, equating to 3% of the average total of irrigated acres.
The Upper Arkansas CREP

A total of 18,051.4 acres and 37,113 AF of authorized quantity have been retired in the region since enrollment began in 2007.

Table 2: Enrollment in CREP in Upper Arkansas Region (FY2017 Annual Report-Upper Arkansas CREP)

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<td>Hamilton</td>
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<td>7,353.8</td>
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<td>574.2</td>
<td>76.5</td>
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<td>3,157.8</td>
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<td>Finney</td>
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<td>723.5</td>
<td>1,318.6</td>
<td>247.1</td>
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*These figures adjusted by -45.2 acres from 2016 to match & reflect FSA records
Water Quality & Arkansas River

Figure 12: Spread of sulfate concentrations in High Plains Aquifer in the Upper Arkansas River Corridor in Southwest Kansas.

Figure 13: Uranium levels reported in City of Lakin public water supply wells. Data from KDHE Water Watch System.
Current RAC Focus & Efforts

- Additional Sources of Supply
- Industry Outreach
- Tamarisk Removal
- Compact & Interstate Issues
Cimarron
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**Legend:**
- **Increase**
- **Decrease**
- **Unchanged**
Cimarron Declines

- 9 - 14+ Feet Decline
- 6 - 9 Feet Decline
- 3 - 6 Feet Decline
- 0 - 3 Feet Decline
- Stable or Increased
WCAs

One WCAs covering 252 acres of the 651,895 irrigated acres in the region, equating to 0.4% of the average total of irrigated acres.
Oklahoma Collaboration

- Led by Jim Sipes
- Producer focused
- Oklahoma producers meeting Kansas producers
- RAC Hosted – hopeful for 2019 date
Survey & Education

- Track adoption of technologies
- Track conservation trends and practices
- Assess where interest is

Looking at ways to engage public and provide more educational opportunities

Comments or Suggestions for improvement on any of the above topics or programs:
Interest in Master Irrigators

Reasons for Interest

Tracking/recording of conservation (flexibilities)

Training/education opportunity

Increasing technology adoption
Moving Forward
Bringing It All Together
Sharing of Ideas & Potential for Collaboration

Extend the Usable life of the Ogallala

Irrigation Technology & Incentives

Other Ideas?