Upper Republican/Upper Smoky Hill
Common Goals and Progress
Saturated Thickness

Average 2016-2018 Saturated Thickness, Kansas High Plains Aquifer

Thicknness in Feet
- Under 50
- 50 to 100
- 100 to 150
- 150 to 200
- 200 to 250
- 250 to 300
- Over 300

Primary extent of the saturated portion of the High Plains Aquifer
Upper Smoky Hill Declines

Upper Smoky Hill Regional Planning Area

Scott City

- 9 - 14+ Feet Decline
- 6 - 9 Feet Decline
- 3 - 6 Feet Decline
- 0 - 3 Feet Decline
- Stable or Increased
### Groundwater Declines

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<td>-3.93</td>
<td>-3.63</td>
<td>-1.72</td>
<td>-1.90</td>
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Upper Smoky Hill Water Use

Upper Smoky Hill Regional Planning Area
Average Water Use by Selected Uses and Percent Groundwater (GW)
2011-2015 (Acre-Feet)

Wallace
54,515
100% GW

Logan
1,381
100% GW

Gove
6,717
100% GW

Greeley
21,787
100% GW

Wichita
58,475
100% GW

Scott
50,423
100% GW

Lane
18,446
100% GW

Total: 211,743
100% GW

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

Kansas Water Office September 2017
Upper Republican
WCAs

Three WCAs cover 3,177 acres of the 406,685 irrigated acres in the region, equating to 0.8% of the average total of irrigated acres.

Two WCAs are pending that would add an additional 7,055 acres.
Sheridan 6 LEMA: 2018 - 2022
GMD4 District LEMA: 2018 - 2022
Education

Focus on committee lead outreach using SOTR information.

Looking to put together three versions of the same presentation including:

- Technical
- General Public
- Kids
Republican River Compact

August 2018 a $4m settlement was reached with Colorado

• $2m to Colorado  the benefit of the South Fork of the Republican River Basin within Colorado

• $2m to Kansas  the benefit of the South Fork of the Republican River Basin within Kansas
Water Quality Concerns

Working on the development of a new water quality goal.
Upper Smoky Hill
Four WCAs cover 15,048 acres of the 213,696 irrigated acres in the region, equating to 7% of the average total of irrigated acres.

One WCA is pending that would add an additional 1,027 acres.
LEMA Development

Using a county by county approach starting with Wichita County.
2018 High School education initiative to develop water related projects and curriculum specific to Western Kansas.
Best Management Practices & Other Ideas

**BMPs**
- Development and implementation of BMP Plans for all municipal, stockwater, and industrial users within the region.
- Addresses goals 3-5
- There has been limited progress

**Other Ideas**
- Stockwater reuse project
- Water meter app
Moving Forward
Bringing It All Together
Sharing of Ideas & Potential for Collaboration

WCAs & LEMAs

Education

Other Ideas?