Hays Water Conservation Field Day
Smoky Hill-Saline RAC

Conservation Field Day with the City of Hays

AGENDA

Date: Friday, October 13, 2017

Time: 9:00am

Place of Meeting: Agriculture Research Center Auditorium

1232 240th Ave. Hays, KS 67601

- **9:00am: Registration**
- **9:30am: Welcome**
  - Mayor of the City of Hays or City Commissioner
- **9:45am: Presentations**
  - **Smoky Hill-Saline Regional Advisory Committee Goals & Plans and the City of Salina's Water Conservation Efforts** – Martha Tasker (Chairperson – SHS RAC & Director of Utilities – City of Salina)
  - **History of the City of Hays' Water Conservation Efforts** – Toby Dougherty - City Manager
  - **Implementation of Water Conservation Efforts and Projects in the City of Hays** - Jeff Crispin (Director), Holly Dickman (Water Conservation Specialist), and Jason Riegel (Superintendent)
- **11:00am: Lunch Provided**
- **12:00pm: Bus Tour of the City of Hays Water Conservation Projects**
- **2:00pm: Wrap up and Final Comments**

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RAC Drought Workshop

Marais des Cygnes RAC Chair: Lori Kuykendall

Neosho RAC Chair: Angela Anderson

Verdigris RAC Chair: John Black

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RAC Drought Workshop

- Date: September 1, 2017
- Location: Dwight D. Eisenhower Learning Center
- Presented by: HydroLogics & KWO

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Attendees

- 3 Regions
  - MdC, Neosho, & Verdigris RAC member
- 3 States
  - Kansas, Missouri, & Oklahoma
- 2 Representatives
- 2 Sponsors
  - Wolf Creek
  - KRWA

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Objectives

- Review RAC goals & plans
- Understand KWO's modeling capabilities
- Explore the MEKRO model
  - Simplified stakeholder interface
- Discover additional modeling opportunities
  - Assist in achieving & implementing RAC goals plans

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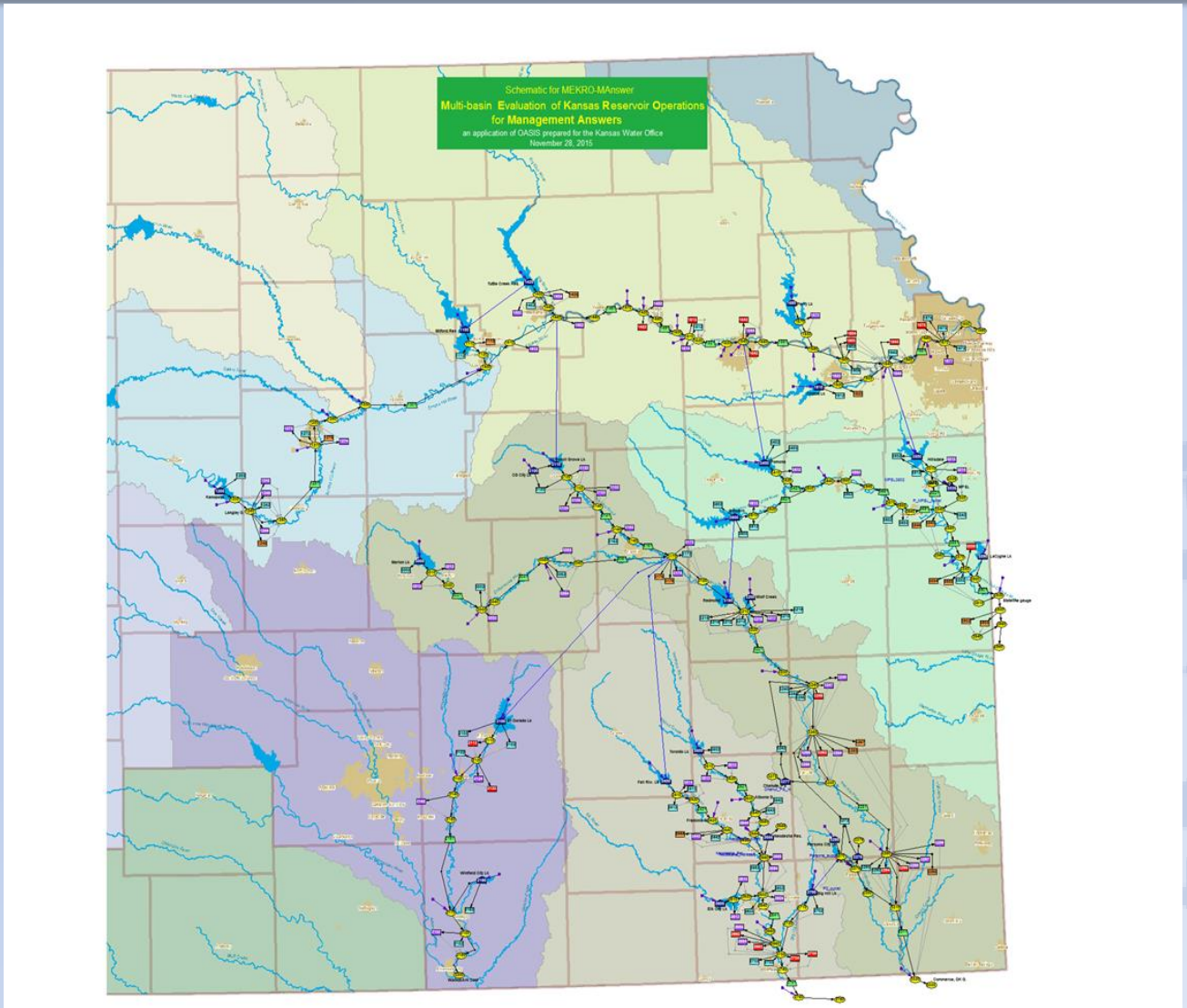
Goals & the Model

- Marais des Cygnes
  - **Priority Goal #2:** Increase sources of supply, at a minimum of one multipurpose structure, to meet increased demand in specific growth areas by 2035. In addition, ensure water supply available from storage exceeds projected demand by at least 10% through the year 2050
- Neosho
  - **Priority Goal #2:** Reduce vulnerability to drought by the increasing reservoir storage at Marion and Council Grove Reservoirs through a permanent raise in conservation pool elevation. By 2025, evaluate the feasibility of permanent conservation pool rise at Marion and Council Grove reservoirs. Based on the outcome and findings of the feasibility study, stage increases in permanent pool elevation based on supply needs. Ensure water supply available from storage exceeds projected demand by at least 10% through the year 2050
- Verdigris
  - **Priority Goal #1:** In order to manage the water storage capacity in our region, evaluate different processes of managing our reservoirs by 2020. Then using best management practices, including consideration of cost/benefit of the practices: increase water storage capacity by 10% every 10 years with priority given to existing structures, and ensure water supply available from storage exceeds projected demand by at least 10% through the year 2050

The Multi-basin Evaluation of Kansas Reservoir Operations Model (MEKRO)



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MEKRO

- Hydrologic Model & Planning Tool
  - Assesses the operational capability and physical adequacy of the reservoir and surface water systems in Kansas
- Inputs to the model include:
  - Historic inflows
  - Reservoir storage capacities
  - System demands
  - Downstream target flows

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Breakout Sessions

- Regions explored
- Q & A time
- Future Considerations
  - Goals
  - Model
  - RAC Members
  - Partnering States

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A Step Closer

- Drought Workshop Successful
- Another step closer to:
  - Implementing plans and achieving goals
  - Creating a useful tool
  - Managing water resources more efficiently

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Questions?

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