

## Kansas Water Plan Implementation Investment Levels and Outcomes over 10 years

	Current Funding Level Outcomes Approximately <u>\$60 Million/Year</u>	Additional Investment Outcomes Approximately <u>\$140 Million/Year</u>
Aquifer	\$13M/year	\$18M average/year
Improve Irrigation System Efficiency	<ul style="list-style-type: none"> <li>Technology upgrades for <b>3,000 systems (15%)</b> and system audits for <b>1,500 systems (8%)</b>.</li> </ul>	<ul style="list-style-type: none"> <li>Technology upgrades for <b>10,000 systems (50%)</b> and system audits for <b>15,000 systems (75%)</b>.</li> </ul>
Secure Water Sources for Vulnerable Communities	<ul style="list-style-type: none"> <li>Purchase of <b>3,000 acre feet</b> of water rights through community block grants (<b>approximately 20 community grants</b>).</li> </ul>	<ul style="list-style-type: none"> <li>Purchase of <b>8,250 acre feet</b> of water rights through community block grants (<b>approximately 30 community grants</b>).</li> </ul>
Feedlot & Stockwater System Upgrades	<ul style="list-style-type: none"> <li><b>20 feedlots/dairies (35%)</b></li> </ul>	
Monitoring & Modeling	<ul style="list-style-type: none"> <li>Monitoring of <b>1,400 annual well measurements</b>.</li> <li>Monitoring of <b>24 index wells</b>.</li> <li>Groundwater model updates on a <b>10-year rotation</b>.</li> </ul>	
Aquifer Management, Operations, and Partnerships	<ul style="list-style-type: none"> <li>Ongoing funding for interstate water compact issues, subbasin water resources management, state-local partnerships, water use studies, program evaluations etc.</li> </ul>	
Reservoir	\$11M/year	\$56M average/year
Reduce Sedimentation Rate	<ul style="list-style-type: none"> <li>Tuttle Creek Water Injection Dredging Pilot</li> </ul>	<ul style="list-style-type: none"> <li><b>100% in-reservoir sediment managed at (benefits 1.7M Kansans):</b> <ul style="list-style-type: none"> <li>Tuttle Creek Lake by 2030</li> <li>John Redmond Reservoir and Kanopolis Lake by 2031</li> <li>Council Grove Lake, Elk City Lake, and Perry Lake by 2032</li> </ul> </li> </ul>
Evaluate and Incentivize Regionalization	<ul style="list-style-type: none"> <li>Ongoing operation &amp; maintenance costs for state-owned storage in US Army Corps of Engineers reservoirs.</li> </ul>	<ul style="list-style-type: none"> <li><b>Evaluate and secure water supply for up to 350,000 people</b> through <b>regional interconnection projects</b> for rural water districts, water assurance or access districts, and small to mid-sized cities to avoid water crises during times of drought and ensure capacity for economic development.</li> </ul>
Watershed Protection	<ul style="list-style-type: none"> <li><b>Maintain targeted reservoir initiative</b> in Kanopolis, Fall River, John Redmond, Tuttle Creek, Perry, Pomona, and Hillsdale reservoirs.</li> <li><b>Maintain stabilization projects</b> around Perry, Tuttle Creek, John Redmond.</li> </ul>	<ul style="list-style-type: none"> <li><b>220 streambanks stabilized</b> (50% of need).</li> <li><b>Triple enrollment</b> in Best Management Practices (BMP) practices and expand to Eastern Kansas.</li> </ul>
Improve Dam Safety	<ul style="list-style-type: none"> <li><b>120 dams (24%)</b> addressed.</li> </ul>	<ul style="list-style-type: none"> <li><b>200 dams (40%)</b> addressed.</li> </ul>

Water Quality	\$15M/year	\$43M average/year
Groundwater Quality Protection	<ul style="list-style-type: none"> <li>• <b>500 recharge well systems.</b></li> <li>• Annual groundwater quality sampling.</li> <li>• Build publicly accessible groundwater quality database.</li> <li>• Conduct regional groundwater quality studies.</li> </ul>	<ul style="list-style-type: none"> <li>• Remediate <b>50 contamination sites</b> (35% orphan sites closed).</li> </ul>
Improve Drinking Water and Sewer Infrastructure	<ul style="list-style-type: none"> <li>• Funding for <b>200 communities</b> through infrastructure grants.</li> </ul>	
		<ul style="list-style-type: none"> <li>• Create a State revolving loan program to fund water infrastructure improvements in communities with populations under 10,000.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>91% drinking water systems</b> will meet federal standards.</li> <li>• <b>84% wastewater systems</b> will meet permit limits.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>99% drinking water systems</b> will meet federal standards.</li> <li>• <b>95% wastewater systems</b> will meet permit limits.</li> </ul>
	<ul style="list-style-type: none"> <li>• Perform <b>3,000 PFAS contamination tests.</b></li> </ul>	
	<ul style="list-style-type: none"> <li>• Provide funding for <b>650 repairs/replacements</b> to residential septic systems and/or private drinking water well testing.</li> </ul>	<ul style="list-style-type: none"> <li>• Perform <b>50,000 home water quality tests</b> for drinking water wells.</li> <li>• Provide funding for <b>2,800 repairs/replacements</b> to residential septic systems and/or private drinking water well testing.</li> </ul>
Lake, River, Stream. And Wetland Protection	<ul style="list-style-type: none"> <li>• Provide funding to address nitrates in <b>40 communities.</b></li> </ul>	
	<ul style="list-style-type: none"> <li>• Return <b>150 water segments</b> to “clean for all uses” status.</li> <li>• Provide conservation grants for <b>1.5 million acres</b> annually.</li> <li>• Perform water sampling at <b>14 protected watersheds.</b></li> <li>• Perform harmful algal bloom monitoring and treatment to protect <b>3 smaller lakes/reservoirs</b> annually.</li> </ul>	
Research and Education	\$4M/year	\$6M average/year
Research, Outreach, Education, Studies, and Program Evaluations	<ul style="list-style-type: none"> <li>• Studies on emergent and ongoing water issues.</li> <li>• Research initiatives to assess water quantity and quality concerns.</li> <li>• Outreach and education on Kansas Water Plan for communities.</li> </ul>	<ul style="list-style-type: none"> <li>• Additional research evaluation of existing programs/initiatives to assess effectiveness and impact.</li> <li>• Additional engagement with K-12 education system to expand learning on water issues in schools.</li> <li>• Adoption of new data and monitoring technologies to improve understanding of ground and surface water sources.</li> </ul>
HB2302 Technical Assistance Fund Grants	\$5M/year	\$5M average/year
HB 2302 Water Projects Fund Grants	\$12M/year	\$12M average/year