

Wichita State University - Hugu Wall School of Public Affairs
Presented by Dr. Kenneth Kriz

Action	Total Annual Cost	Agriculture			Municipal	Industrial		Statewide	Statewide Unquantified
		Livestock	GW Irrigation	SW Irrigation	All Sources	Electricity	Non-Electric		
Water Conservation									
Strategic Education Plan	\$ 4,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,250,000	N/A
Watershed BMP Implementation/New CREP Implementation	\$ 15,900,000	\$ -	\$ -	\$ 127,200	\$ 10,128,300	\$ 5,056,200	\$ 588,300	\$ -	Yes
Streambank Stabilization	\$ 5,000,000	\$ -	\$ -	\$ 40,000	\$ 3,185,000	\$ 1,590,000	\$ 185,000	\$ -	Yes
Construction of Watershed Dams	\$ 1,000,000	\$ -	\$ -	\$ 8,000	\$ 637,000	\$ 318,000	\$ 37,000	\$ -	Yes
Water Management									
Kansas River Stream Aquifer Model	\$ 160,000	\$ -	\$ 32,000	\$ 6,400	\$ 89,600	\$ 27,200	\$ 4,800	\$ -	No
Kansas River Alluvial Index Well Network	\$ 40,000	\$ -	\$ 8,000	\$ 1,600	\$ 22,400	\$ 6,800	\$ 1,200	\$ -	No
Kanapolis Reallocation Feasibility Study	\$ 100,000	\$ -	\$ -	\$ 33,000	\$ 67,000	\$ -	\$ -	\$ -	No
Planning & Technical Assistance for PWS	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	No
Technology and Crop									
Stream Gaging Network	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	N/A
LiDAR Aquisition	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	N/A
Bathymetric Surveys	\$ 150,000	\$ -	\$ -	\$ 1,200	\$ 95,550	\$ 47,700	\$ 5,550	\$ -	No
Sediment Coring	\$ 50,000	\$ -	\$ -	\$ 400	\$ 31,850	\$ 15,900	\$ 1,850	\$ -	No
In-stream Sediment Monitoring	\$ 150,000	\$ -	\$ -	\$ 1,200	\$ 95,550	\$ 47,700	\$ 5,550	\$ -	No
Expand High Plains Index Well Network	\$ 65,000	\$ 1,950	\$ 61,750	\$ -	\$ 1,300	\$ -	\$ -	\$ -	No
Less Water Intensive Crop Research	\$ 2,000,000	\$ -	\$ 1,880,000	\$ 120,000	\$ -	\$ -	\$ -	\$ -	No
Livestock Wastewater Treatment	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
Livestock Water Supply Tank Overflow	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	No
Extension Systems Ag Research Programs	\$ 5,000,000	\$ -	\$ 4,700,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	No
Maintenance of hydrogeologic models	\$ 25,000	\$ 750	\$ 21,250	\$ -	\$ 2,000	\$ -	\$ 1,000	\$ -	No
Irrigation Technology Adoption	\$ 1,500,000	\$ -	\$ 1,410,000	\$ 90,000	\$ -	\$ -	\$ -	\$ -	No
Additional Sources									
Identify additional reservoir sites & Feasibility	\$ 200,000	\$ -	\$ -	\$ 1,600	\$ 127,400	\$ 63,600	\$ 7,400	\$ -	No
Model to Assess Chloride Remediation of Equus Beds	\$ 200,000	\$ -	\$ 100,000	\$ -	\$ 70,000	\$ -	\$ 30,000	\$ -	No
Expand models of aquifers containing brackish water	\$ 30,000	\$ -	\$ -	\$ -	\$ 24,000	\$ -	\$ 6,000	\$ -	No
Research Treatment of Lower Quality Water	\$ 120,000	\$ -	\$ -	\$ -	\$ 96,000	\$ -	\$ 24,000	\$ -	No
Call into service storage at Milford and Perry	\$ 3,322,269	\$ -	\$ -	\$ -	\$ 2,402,000	\$ 877,079	\$ 43,189	\$ -	No
Construct MPSSL reservoirs	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ 500,000	Yes
Minimum Pool Agreements in the Solomon-Republican	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	N/A
Sediment Removal	\$ 10,000,000	\$ -	\$ -	\$ 80,000	\$ 6,370,000	\$ 3,180,000	\$ 370,000	\$ -	Yes
Nitrate Removal/Remediation in PWS	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	No
Projects to remediate brackish water	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 800,000	\$ -	\$ 200,000	\$ -	No
TOTAL	\$ 56,522,269	\$ 1,502,700	\$ 8,213,000	\$ 810,600	\$ 27,844,950	\$ 11,230,179	\$ 1,510,839		