

Strategy Type(s)											Region	Overall TWDB Task Number	SubTask WMS evaluation number	SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget (\$)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E	
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)														
															Original Partial SOW (Subtasks 1-4), approved by RWPG on August 29, 2018	Total Original Budget for Subtasks 1-4	\$ 87,000						
															Second Amended Partial SOW (Subtasks 5-48), approved by RWPG on October 2018	Amended Budget for Subtasks 5-48	\$ 186,000						
					X						K	5A	49	City of Austin Off-Channel Reservoir	New Strategy Evaluation will include coordination with COA to incorporate the details in their Water Forward Plan. New Off-Channel Reservoir will be assessed in accordance with all pertinent TWDB rules. Evaluation will include firm yield during DOR determination incorporating the Region K Cutoff Model, as appropriate, evaluation of other operational considerations, transmission and connection infrastructure configurations, cost estimate, and qualitative and/or quantitative potential impacts to the region, including impacts to other water sources, bays and estuaries / instream flows, and agriculture. Cost estimates will be developed utilizing existing data and TWDB costing tool, as appropriate.	WMS documentation will include discussion of strategy, firm DOR yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB22 interface. WSMP (project) location will be approximated through GIS using the Austin WUG centroid.	\$ 5,000	City of Austin and its customers	Yes, new Austin Water Forward Plan	July 11, 2018 Region K meeting	No	No	
					X						K	5A	50	Bertram Off-Channel Reservoir	New Strategy Evaluation will include coordination with Bertram and its consultants. New Off-Channel Reservoir will be assessed in accordance with all pertinent TWDB rules. Reservoir site is an old unused quarry which has water supplied by a spring. Firm yield during DOR will be determined. Treatment, transmission and connection infrastructure configurations (intake, treatment plant, pipelines, pump stations, etc.) to serve potential customers will be developed and assessed. Cost estimates will be developed utilizing existing data and TWDB costing tool, as appropriate. Qualitative and/or quantitative potential impacts on other water sources, bays and estuaries / instream flows, and agriculture will be determined. Project location will be approximated using GIS.	WMS documentation will include discussion of strategy, firm DOR yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB22 interface. WSMP (project) location will be approximated using GIS.	\$ 5,000	Bertram	Yes, new request from Bertram	July 11, 2018 Region K meeting	No	No	
							X				K	5A	51	Oceanwater Desalination	New Strategy Evaluation for oceanwater desalination will be considered for LCRA and possibly other WUGs across Region K, as appropriate. Strategy evaluation will include description and discussion of treatment for removing dissolved solids from oceanwater (source: Gulf of Mexico), transmission and connection infrastructure configurations, firm DOR water supply, qualitative and/or quantitative potential impacts to the region, including impacts to other water sources, bays and estuaries / instream flows, and agriculture, engineering & costing considerations, and implementation issues. Project location will be approximated using GIS.	WMS documentation will include discussion of strategy, firm DOR water supply, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB22 interface. WSMP (project) location will be approximated using GIS.	\$ 7,000	LCRA and possibly others, as appropriate	No	July 11, 2018 Region K meeting	No	No	
						X					K	5A	52	Reservoir Capacity Expansion	New Strategy Evaluation to expand the existing surface water capacity of the Llano Reservoir and potentially other reservoirs. Strategy evaluation will evaluate options including placement of flashboard system along the reservoir to increase storage during times of drought. The strategy evaluation will include discussion and description of the capacity expansion system, firm DOR water yields, qualitative and/or quantitative potential impacts to the region, including impacts to other water sources, bay and estuaries, and agriculture, engineering & costing considerations, and implementation issues. Cost estimates will be developed utilizing existing data and TWDB costing tool, as appropriate. Project location will be approximated using GIS.	WMS documentation will include discussion of strategy, firm DOR yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB22 interface. WSMP (project) location will be approximated using GIS.	\$ 5,000	Llano and possibly others	No	January 9, 2019 Region K meeting	No	No	
X						X					K	5A	53	Rainwater Harvesting	Update to strategy from last planning cycle that was evaluated for City of Austin, but is being considered for municipal WUGs other than Austin this cycle. This strategy involves the collection of roof water from new development areas from a dedicated roof water drainage network for storage at a central downstream location, for treatment and reuse via dual pipe systems at new developments at the community scale. Methodology will take what was developed for Austin during the last planning cycle, and apply it to smaller utilities. Strategy evaluation will include description and discussion of planned facilities, firm DOR water supply, environmental factors, engineering & costing considerations, and implementation issues.	WMS documentation will include discussion of strategy, firm DOR water supply, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB22 interface. WSMP (project) location will be approximated using GIS.	\$ 4,000	Municipal WUGs other than City of Austin	No	January 9, 2019 Region K meeting	Yes, but only for City of Austin	No	
															Third Amended Partial SOW (Subtasks 49-53), January 2019	Amended Budget for Subtasks 49-53	\$ 26,000						
						REGION-SPECIFIC SUBTASKS TOTAL SCOPED BUDGET TO-DATE												\$ 299,000					