Template for Scoping Currently Contracted Task 5B Funding for Region-Specific Subtasks (See Exhibit C Section 2.5.6)

DRAFT

HANDOUT B

Strategy Type(s)																			
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	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 N
	X									M	**5B**	1	Update to Advanced Municipal Conservation	Evaluate existing or historical conservation efforts and any readily available data regarding the effectiveness of past programming. Identify planned or recommended future initiatives, and estimation of water conserved. This includes utility loss prevention programs.	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 24,804	All municipal WUGs will be considered	Yes, updated demands and GPCD numbers. Potential requests from project sponsors for new water loss reduction WMS	February 21, 2024 RWPG Meeting	Yes	No, each WUG will need to be revisited to determine appropriate conservation strategies
	X									M	**5B**	2	Update to Irrigation District Conservation	Evaluate the condition of existing facilities, gather any plans for improvements, estimate the loss reduction associated with a range of typical improvements.	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 37,206	Irrigation Districts	Yes, updated Rio Grande WAM may impact levels of irrigation district water loss	February 21, 2024 RWPG Meeting	Yes	Yes
	X									M	**5B**	3	Update to Agricultural Conservation	Discuss BMPs for agricultural water use for common crops, update with current estimates of agricultural water use. Strategies will focus on on-farm conservation measures.	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 16,536	Irrigation WUGs	Yes, updated WAM may reduce available firm water to irrigation	February 21, 2024 RWPG Meeting	Yes	Yes
	X									M	**5B**	4	Update to Industrial Conservation	Discuss BMPs for industrial water users. Estimate water conserved by application of BMPs for existing and future industrial water users	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface.	$ 8,268	Manufacturing, Mining, and Steam-Electric WUGs	No	February 21, 2024 RWPG Meeting	Yes	Yes
						X				M	**5B**	5	Update to Conversion of Water Right Classification	Water rights that have been separated from irrigated land can be converted into municipal water rights with a reduction in maximum authorized diversion.	Estimated rate of conversion of water rights on a county and basin level, approximate increase in municipal water rights and associated decrease in agricultural water rights. Identify WUGs that plan to purchase water rights. Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface.	$ 33,072	Municipal WUGs relying on surface water	Yes, change in municipal demands from last cycle may impact the need for conversion	February 21, 2024 RWPG Meeting	Yes	Yes
						X				M	**5B**	6	Update to New or Expanded Surface Water Treatment	Identify WUGs/WWPs that are or will be limited by their treatment capacity for surface water and evaluate the potential for new or expanded treatment capacity.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 28,938	WUGs or WWP Entities that are limited by their treatment capacity	Yes, change in municipal demands from last cycle may impact the need for additional treatment capacity	February 21, 2024 RWPG Meeting	Yes	Maybe, there could be requests from WUGs/WWPs that were not included last cycle. Unknown as of yet.

DRAFT

HANDOUT B

Strategy Type(s)																				
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	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 N
									X	M	**5B**	7	Update to New or Expanded Distribution and Transmission Facilities Resulting in Increased Supplies	Identify WUGs/WWPs with limitations associated with distribution and transmission infrastructure and evaluate the potential for more capacity.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 28,938	WUGs or WWP Entities that are limited by their distribution and transmission infrastructure	Yes, change in municipal demands from last cycle may impact the need for supply	February 21, 2024 RWPG Meeting	Yes	Maybe, there could be requests from WUGs/WWPs that were not included last cycle. Unknown as of yet.
					X	X				M	**5B**	8	Update to Off-Channel Storage	Identify WUGs or WWPs with supply limitations associated with storage capabilities where off-channel reservoirs may increase supply.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 16,536	Brownsville PUB, Donna, and potential others	Yes, change in municipal demands from last cycle may impact the need for supply	February 21, 2024 RWPG Meeting	Yes	Yes
			X							M	**5B**	9	Update to New or Expanded Fresh Groundwater Supply	Identify areas where fresh groundwater may be available to expand existing or develop new groundwater supplies.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields within the MAG, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 28,938	WUGs where fresh groundwater is available	Yes, change in municipal demands from last cycle may impact the need for supply	February 21, 2024 RWPG Meeting	Yes	No, this may be looked at as an option for WUGs where it wasn't last cycle
		X								M	**5B**	10	Update to New or Expanded Brackish Groundwater Desalination	Identify areas where brackish groundwater may be available to expand existing or develop new groundwater supplies using desalination facilities.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields within the MAG, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 24,804	WUGs where brackish groundwater is available.	Yes, change in municipal demands from last cycle may impact the need for supply	February 21, 2024 RWPG Meeting	Yes	No, new requests for this WMS have been received this cycle
							X			M	**5B**	11	Update to Seawater Desalination	Evaluate coastal areas for feasibility of seawater desalination	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 16,536	Laguna Madre Water District, Brownsville PUB, WUGs in Cameron and Willacy Counties, and potential others	Yes, change in municipal demands from last cycle may impact the need for supply; Potential new requests from other WUGs/WWPs	February 21, 2024 RWPG Meeting	Yes	Maybe, there may be a new request included this cycle
				X						M	**5B**	12	Update to Reuse	Evaluate direct reuse opportunities, both potable and non-potable	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 24,804	WUGs with needs or planned projects	Yes, change in municipal demands from last cycle may impact the need for supply; Potential new requests from other WUGs/WWPs	February 21, 2024 RWPG Meeting	Yes	Maybe, there could be requests from WUGs/WWPs that were not included last cycle. Unknown as of yet.
						X				M	**5B**	13	Update to Biological Control of *Arundo Donax*	Arundo Donax control or eradication has been tested and implemented across the valley, with potential for expanded use.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface.	$ 12,402	Irrigation WUGs	No	February 21, 2024 RWPG Meeting	Yes	Yes

DRAFT

HANDOUT B

Strategy Type(s)																			
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	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 N
	X									M	**5B**	14	Update to Drought Management	Evaluate operational drought response which could alleviate the push water issue, estimate impacts of municipal conservation for utilities relying on groundwater, emergency transfers, and other drought management issues that arise.	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface.	$ 16,536	Irrigation Districts and WUGs with needs	Yes, updated Rio Grande WAM may impact push water	February 21, 2024 RWPG Meeting	Yes	Yes
X										M	**5B**	15	Update to Aquifer Storage and Recovery	Evaluate aquifers in Region M for suitable locations to implement ASR.	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 20,670	WUGs with needs or planned projects near viable areas	No	February 21, 2024 RWPG Meeting	Yes, alternative WMS only	Maybe, there could be requests from WUGs/WWPs that were not included last cycle. Unknown as of yet.
									X	M	**5B**	16	Regional Water Supply Facilities	Evaluate proposed regional water supply facilities that will provide water on a more regional basis, including updating the Delta Region Water Management Strategy	Updated WMS documentation will include discussion of strategy, firm DOR water supply yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 16,575	Hidalgo County Drainage District #1 and its potential customers	Yes, updated WAM model and will likely identify potential customers this cycle	February 21, 2024 RWPG Meeting	Yes, as an amendment to the 2021 Region M Water Plan	No
														REGION-SPECIFIC SUBTASKS TOTAL BUDGET		**$ 355,563**					