Preliminary Strategy Evaluation Criteria

Cooperation	Weighting Factor (Low [1] - High [100]): 4			
Description:	d on the notential for interaction wi	th other entities		
Scoring:		in other entities.		
Less Favorable 1	2	3	More Favorable 4	
Significant potential obstacles in working with other stakeholders to develop project	Potentially some obstacles in working with other stakeholders to develop project	Potentially some opportunity to develop project synergistically with other stakeholders	Significant opportunity to develop project synergistically with other stakeholders	

Cost	Weighting Factor (Low [1] - High [100]): 40					
Description:	Description:					
Estimated cost of water for a proje	ct. This value will be based on prelir	minary estimates and regional plann	ing-level data.			
Scoring:						
Less Favorable			More Favorable			
1	2	3	4			
>\$1,000 per ac-ft	\$500 to \$1,000 per ac-ft	\$250 to \$500 per ac-ft	<\$250 per ac-ft			

Diversification	Weighting Factor (Low [1] - High [100]): 2			
Description:				
Scoring based on how likely a proje	ct is to provide diversification to the	e existing SJRA water supply portfolic).	
Scoring:				
Less Favorable			More Favorable	
1	2	3	4	
Supply originates from sources linked to existing SJRA supplies	Supply originates from sources linked to existing SJRA supplies but may be influenced by other factors	Supply developed from sources unrelated to existing SJRA supplies	Supply developed from a variety of water resource outside of current SJRA portfolio	

Environmental	nvironmental Weighting Factor (Low [1] - High [100]):				
Description: Describes the extent of environmental impacts required for implementation of the project.					
Scoring:					
Less Favorable 1	2	3	More Favorable 4		
Significant environmental impact is expected; significant environmental studies and mitigation may be required	Some notable environmental impact; uncertain course for studies and mitigation	Some notable environmental impact; routine process for permitting	Minor environmental impact; environmental studies have been completed on similar projects		

Funding	Wei	ighting Factor (Low [1] - High [100]):	4	
Description:				
Related to the ease at which altern	ative funding may be obtained for t	he project and if special incentives m	hay be available for project	
development.				
Scoring:				
Less Favorable	2	3	More Favorable 4	
No obvious potential opportunities for funding	Common funding mechanisms may be utilized; project will compete equally with other competing projects	Specialized funding mechanisms exist	Project will receive beneficial consideration in a funding program due to type of project or source of water	
Land Acquisition	Weighting Factor (Low [1] - High [100]): 4			
Description:				
Refers to the number of land acres	that must be acquired in order to in	nplement the project.		
Scoring:				
Less Favorable More Favorable				

Legal	Weighting Factor (Low [1] - High [100]):	6

5-100 ac

Minimal land impact

(<5 ac)

Significant land impact

(>1,000 ac)

Description: Defines the level of legal obstacles that must be overcome in implementing the project.

100-1,000 ac

Scoring:				
Less Favorable			More Favorable	
1	2	3	4	
Significant permitting required; extensive contracting	Moderate level of permitting and contracting; several unknowns	Moderate level of permitting and contracting; few unknowns	Minimal permitting required; simple contracting	

Location	Weighting Factor (Low [1] - High [100]): 6				
Description:	Description:				
Related to the location of the deve	loped supply and proximity to poter	itial demands served.			
Scoring:					
Less Favorable			More Favorable		
1	2	3	4		
IBT required, long distance from SJRA service area	major conveyance required to meet the majority of identified needs	Some conveyance required to meet identified demands	Limited conveyance needs		

Preliminary Strategy Evaluation Criteria

agnitude Weighting Factor (Low [1] - High [100]):						
Description:	escription:					
Describes the potential yield of a st	rategy. Values is based on maximur	n potential without regard for "right	-sizing" to meet identified			
demands.						
Scoring:						
Less Favorable			More Favorable			
1	2	3	4			
<5,000 ac-ft per year	5,000 to 25,000 ac-ft per year	25,000 to 50,000 ac-ft/yr	>50,000 ac-ft per year			
Other Supplies	Wei	ghting Factor (Low [1] - High [100]):	2			
Description:						
Defines how the project interacts v enhancing the yield of existing or fu	vith other projects or existing supplie uture supplies.	es in either preventing the developm	nent of other alternatives or			
Scoring:						
Less Favorable			More Favorable			
1	2	3	4			
Negative impacts to existing and other potential supplies	Negative impacts to other potential projects	Opportunity to enhance other potential projects	Opportunity to enhance existing supplies and other potential supplies			
Public	Wei	gnting Factor (Low [1] - High [100]):	6			
Description: Describes public support or potent likely to receive both positive and r	ial opposition for a project concept. negative support from various sectio	This is considered from an overall p ns of the public.	erspective, noting projects are			
Less Favorable			More Favorable			
1	2	3	4			
No local support; significant opposition	– Minimal local support; some opposition	Local support; minimal opposition	Widespread local support; opportunity for ancillary community benefits			
Scalability	Wei	ghting Factor (Low [1] - High [100]):	4			
Description:						
Defines the ability of a project to b	e implemented by smaller stakehold	ers in partnership with SJRA.				
Scoring:			Mayo Foyoyabla			
Less Favorable	2	3	viore Favorable 4			
Project requires significant infrastructure and development by a major sponsor	Project may be implemented by a small number of larger entities	Project may be implemented by most existing and potential entities	Project can be implemented by entities of all sizes			
Schodulo	\\/oi	abting Factor (Low [1] - High [100]).	(
	Wei					
Defines the anticipated schedule for	or the development of a project. Pro	jects with shorter lead-times are pre	eferred.			
Scoring:		· · ·				
Less Favorable	2	2	More Favorable			
>30 years	15-30 years	5 to 15 years	0 to 5 years			
Yield Risk	Wei	ghting Factor (Low [1] - High [100]):				
Description: Determined by the risk associated v	with a potential project's yield being	reduced due to regulatory or enviro	onmental issues.			
Scoring:						
Less Favorable 1	2	3	More Favorable 4			
High level of uncertainty that project yield can be developed or will be maintained in the long	Moderate risk that a project's yield cannot be realized or will	Some risk that project yield will not be realized or will be redice	Virtually no risk of project yield cannot ba achieved or will be			
term. High risk of supply	of events eventlebility	over time. Some risk of supply	viale of surgely surgitability			

availability

risk of supply availability

of supply availability

availability

Highlands System Projects (Sorted)					
Number	Score	Rank	Name	Sub-Type	
1	328	1	Lake Livingston Transfer		
2	326	2	Purchase Surface Water	TRA	
3	324	3	Trinity Return Flows		
4	316	4	Regional Return Flows	Lake Houston	
5	286	5	Purchase Surface Water	CLCND	
6	254	6	Purchase Groundwater	Purchase from Eastern Basins	
7	254	6	Purchase Groundwater	Purchase from Western Basins	
8	242	8	East Texas Water Transfer	Neches Basin	
9	242	8	East Texas Water Transfer	Sabine Basin	
10	234	10	Seawater Desalination		
11	220	11	Lake Creek Reservoir		
12	212	12	Bedias Reservoir		
13	204	13	Brazos River Supplies		

	Montgomery System Projects (Sorted)				
Number	Score	Rank	Name	Sub-Type	
1	364	1	Conservation	TWDB Baseline	
2	344	2	Catahoula Aquifer Supplies	Developed by SJRA Customers (Blended)	
3	338	3	Conservation	SJRA Water Conservation Plan	
4	304	4	Regional Return Flows	Lake Conroe	
5	302	5	Direct Reuse, Non-Potable	GRP Participants	
6	300	6	Direct Reuse, Non-Potable	Woodlands	
7	274	7	Catahoula Aquifer Supplies	Developed by SJRA (Lake Conroe)	
8	270	8	Catahoula Aquifer Supplies	Developed by SJRA Customers (Treated)	
9	268	9	Catahoula Aquifer Supplies	Developed by SJRA (Blended)	
10	262	10	Lake Livingston Transfer	Livingston to Conroe	
11	262	10	Purchase Surface Water	TRA	
12	258	12	Aquifer Storage and Recovery	Developed by SJRA Customers	
13	254	13	Purchase Groundwater	Purchase from Eastern Basins	
14	254	13	Purchase Groundwater	Purchase from Western Basins	
15	234	15	Aquifer Storage and Recovery	Developed by SJRA (Mildly Treated)	
16	234	15	Catahoula Aquifer Supplies	Developed by SJRA (Treated)	
17	230	17	Aquifer Storage and Recovery	Developed by SJRA (GRP Treated)	
18	228	18	Lake Creek Scalping	Storage in Lake Conroe	
19	224	19	Lake Creek Scalping	Run-of-River Diversion	
20	224	19	Lake Creek Scalping	Dedicated Storage	
21	214	21	Lake Creek Reservoir		
22	214	21	Regional Return Flows	Lake Houston w/ South Plant	
23	204	23	Brazos River Supplies		
24	202	24	East Texas Water Transfer	Neches Basin	
25	202	24	East Texas Water Transfer	Sabine Basin	
26	200	26	Increase Lake Conroe Conservation Pool		
27	172	27	Bedias Reservoir		
28	172	27	Seawater Desalination		

	Weighting Factors Summary					
Number	Factor	Weight				
1	Cooperation	4				
2	Cost	40				
3	Diversification	2				
4	Environmental	6				
5	Funding	4				
6	Land Acquisition	4				
7	Legal	6				
8	Location	6				
9	Magnitude	4				
10	Other Supplies	2				
11	Public	6				
12	Scalability	4				
13	Schedule	6				
14	Yield Risk	6				
TOTAL		100				

Workshop adopted Weighting Factors

Table A.11 - Strategy Evaluation Summary Sheet for Conservation (Texas Water Development Board - Baseline)										
	Strategy Name:			Conservation						
ſ	Strategy Sub-Type:			I WDB Baseline						
		Criteria Score	Explanation		Criteria Score	Explanation				
_				3	Potentially some opportunity to develop project synergistically with other stakeholders	RWP 2016: Requires coordination between small systems on conservation plans and attitudes.				
				4	<\$250 per ac-ft	2016 RWP: Based on anticipated installation of efficient plumbing fixtures and appliances (no cost); Water conservation approaches consistently achieve high scores related to cost.				
				3	Supply developed from sources unrelated to existing SJRA supplies	2016 RWP: Does not add another source of water, but instead decreases demand and reliance on existing sources.				
				4	Minor environmental impact; environmental studies have been completed on similar projects	2016 RWP: Generally, there are no significant negative environmental impacts associated with the conservation projects or that may results from implementation of the conservation management project.				
				4	Project will receive beneficial consideration in a funding program due to type of project or source of water	2016 RWP: Although sponsors are identified, commitment to implementation varies considerably. Dedicated SWIFT funds are available through the TWDB funding program.				
				4	Minimal land impact (<5 ac)	No applicable cost.				
				3	Moderate level of permitting and contracting; few unknowns	2016 RWP: Requires identifying utility to manage conservations measures.				
				4	Limited conveyance needs	n/a				
				2	5,000 to 25,000 ac-ft per year	2016 RWP;6,000 (2020)- 30,000 (2070) ac-ft/yr;				
				2	Negative impacts to other potential projects	2016 RWP: Conservation may negatively impact the availability of return flows for development into indirect reuse projects.				
				4	Widespread local support; opportunity for ancillary community benefits	2016 RWP: No opposition to conservation efforts. Local support to initiatives				
				4	Project can be implemented by entities of all sizes	2016 RWP: Can be implemented at every level.				
				3	5 to 15 years	2016 RWP: 2020 with ongoing annual expenditures; Conservation programs can be implemented in a relatively short period of time.				
				3	Some risk that project yield will not be realized or will be redice over time. Some risk of supply availability	Uncertain near and long-term efficiency.				
		N/A	Highlands System Score		364.00	Montgomery County Score				

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