

Full Matrix of Water Supply Strategies

Strategy Number	Supply	Acceptability (1)	Diversity of Supply (2)	Environmental Impacts and Benefits (3)	Legal/Permitting (4)	Cost Sharing Opportunities (5)	Water Quality (6)	Unit Cost (7)	Total Project Cost (8)	Yield Or Supply Volume (9)	Energy Intensity (10)	Time to Implement (11)	Land Acquisition (12)	Revenue Impacts (13)	Total Score
		Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight		
		1.00	0.75	0.75	0.75	0.75	0.75	1.00	0.75	1.00	0.50	0.50	0.50	1.00	---
1	Mary Rhodes Pipeline Phase II (Garwood Project) ^{2,3}	9	9	8	10	10	8	8	7	7	9	9	9	9	86
2	Nueces Off-Channel Reservoir near Lake Corpus Christi ^{2,5}	7	5	6	5	7	8	8	2	10	10	5	6	9	69
3	One Way Pipeline CCR to LCC ^{2,5,6}	5	5	5	5	5	8	9	7	3	10	6	9	9	65
4	Bee-San Patricio Well Field Brackish GW Desalt (Concentrate to Wells) ⁶	7	9	9	7	7	9	8	7	5	4	7	9	9	75
5	Nueces Northwest Well Field Brackish GW Desalt (Concentrate to Wells) ⁶	7	9	9	7	7	9	7	8	3	4	7	7	9	72
6	Nueces South-Central Well Field Brackish GW Desalt (Concentrate to Wells) ⁶	7	9	9	7	7	9	7	9	2	4	7	7	9	72
7	Seawater Desalination- 25 MGD ^{6,7}	9	10	9	8	9	9	4	1	5	1	7	10	9	71
8	Groundwater Use- Refugio County	5	9	9	5	7	2	8	8	5	7	7	3	9	66
9	Off-Channel Reservoir in Lavaca River Basin ⁸	7	7	6	5	8	8	5	6	2	9	5	7	9	64
10	Water Conservation	8	7	8	10	1	10	10	10	1	10	10	10	5	74
11	GBRA Lower Basin Storage (100-acre Site)	6	9	6	5	9	8	9	8	6	10	5	8	9	75
12	GBRA Lower Basin New Appropriations	5	9	6	3	8	8	1	2	1	9	5	5	9	53

Category	Description
1 - Acceptability	The acceptability category rank is developed by subjectively rating the success of a project based on perceived public support.
2 - Reliability	The diversity category rank is developed by considering the potential of the project to diversify Corpus' supply.
3 - Environmental Impact	The environmental impact category rank is developed by subjectively rating the project on the potential to reduce streamflows and inflows to estuaries.
4 - Legal / Permitting	The legal/permitting category rank is developed by subjectively rating the legal and permitting challenges that would need to be overcome before implementation.
5 - Flexibility / Partnership Opportunities	The Cost Sharing Opportunity category is developed by subjectively rating its ability to facilitate partnership opportunities.
6 - Quality of Water	The quality category is developed by considering the changes in Corpus' finished treated water quality.
7 - Annual Unit Cost	The unit cost (UC) category rank is developed by taking the relative UC of the strategy and applying a ranking considering all the projects.
8 - Total Project Cost	The total project cost (TPC) category rank is developed by taking the relative TPC of the strategy and applying a ranking considering all the projects.
9 - Yield	The yield category rank is developed by taking the relative supply volume (acft/yr) and applying a rank based off all the supply volumes from all the projects.
10 - Energy Intensity	The energy intensity category rank is developed by taking the relative energy intensity for this project and applying a rank considering all projects.
11 - Schedule/Timeframe	The Time to Implement category is developed by taking the relative length of time for project development and applying a rank considering all projects.
12 - Land Acquisition	The land acquisition category is developed by rating the acreage of land to be acquired.
13 - Rate or Revenue Impacts	The revenue impact category is developed by rating the impact of the project on potential reduction in revenues.

