

ATTACHMENT 1 – EVALUATION SUMMARY

	Reliability & Sustainability	Flexibility & Resiliency	Schedule & Implementation	Water Quality	Environment	Social Steward ship	Economic & Financial
Desalination 10 MGD	Availability of source water is excellent Provides 10,600 AFY	<ul style="list-style-type: none"> Operational flexibility reduced by need to run at all times System resilience improved Complexity of operation increased 	<ul style="list-style-type: none"> Regulatory complexity Implementation timeframe 5 to 7 years min Litigation likely 	Source water may create public concerns over water quality	<ul style="list-style-type: none"> Brine discharge High energy use (although no GHG impact) Concerns for impingement and entrainment of aquatic species 	Inequity in consumption of water	<ul style="list-style-type: none"> High capital costs High O&M costs All new infrastructure that needs frequent and costly cyclic replacement Capital \$350 M - \$520M
Local Storage Kent	Up to 5,000 AFY in scenario drought	<ul style="list-style-type: none"> Low complexity Increases resilience Increases operational flexibility 	<ul style="list-style-type: none"> Project implementation > 10 years Potential constructability concerns, extended construction duration and risk 	Provides same water quality as existing reservoirs	Environmental mitigation is possible to offset increased size of reservoir	No impacts to private land	<ul style="list-style-type: none"> Capital \$519M Long lifecycle of project would result in low cost of water in long run
Local Storage Soulajule	Up to 5,000 AFY in scenario drought	<ul style="list-style-type: none"> Low complexity Increases resilience Increases operational flexibility 	<ul style="list-style-type: none"> Project implementation > 10 years Litigation Likely 	Provides same water quality as existing reservoirs.	Environmental mitigation is possible to offset increased size of reservoir	Loss of structures, inundation of farmland used for grazing	<ul style="list-style-type: none"> Capital \$485M Long lifecycle of project would result in low cost of water in long run
Conveyance Peta-3	3,800- to 8,100 AFY increase in dry year water supply	<ul style="list-style-type: none"> Highly flexible and used only when needed Could have synergies with future storage projects Regional benefits 	<ul style="list-style-type: none"> Could be online in as few as 4 years Phaseable 	Provides same water quality as existing SCWA supply.	Minimal or no long-term impacts	Pipeline must traverse conservation easement but use appears compatible	<ul style="list-style-type: none"> Costs may be phased Capital \$168M - \$405M PETA-3 is \$168M for initial phase

