	COA Water Management Strategies*	Water Supply Benefit	Economic Benefit	Environmental Impacts	Social Impacts	Implementability	Sustainabilty	Level of risk of alternative supplies		Benefit/Cost Ratio
		CRM Yield Drought resilience Improved reliability of existing supplies Protect/extend Highland Lakes storage Quality compatibility with existing distribution systems Local control (resilience)	Appropriate metric for relative comparison ($/kgal?) Effects to rate payers and affordability of essential water use	Surface water, groundwater, stream, current land use, infrastructure. etc. Effect on aquifer protection zone development	Acceptability for Region Imagine Austin Plan Community Values-Quality of Life	Required entity coordination Water rights/supply contract required Land purchase required Permit required Timing Regulatory approval Political opposition Public acceptance	Effectively balances economic and environmental impacts with community interests o Effects to carbon intensity of AWU	Financial Political Potential impacts to quality of life Dependence on climatic conditions - Variability of yield Local control Hydrologic storage risk for potential environmental release		
Optimize Existing Supplies/ Operational Augmentation via Efficiency	Conservation - *(Demand Management)*									
	Direct Reuse - *(Demand Management)*									
	Irrigation system management									
	Augmentation of Supplies - *(Supply Management)*									
	System Operational Improvements (Existing Supplies)									
	Longhorn Dam Gate Operation									
	Reduced Lake Evaporation-include Fayette									
	Walter Long Lake Off-Channel Storage									
	SAR Discharge Relocation above Austin Gauge									
	Leak detection									
	Lake Austin Varying Operating Level									
	Enhanced Operations (requires additional capital)									
	Automate Longhorn Gates									
Operational Augmentation w/Signif. Capital, Permitting or Community Impact	Walter Long Lake Off-Channel Storage (enhanced storage)									
	Capture Local Inflows to Lady Bird Lake									
	Aquifer Storage & Recovery - Northern Edwards									
	Indirect Potable Reuse - SAR to Lady Bird Lake									
	Barton Springs Flow Augmentation									
	Gray water use									
	Smart Meter implementation									
	Decentralization (WW/Reuse/Reclaimed/Net Zero Systems)									
New Supplies	*New Groundwater Supplies*									
	Blue Water Systems									
	Forestar									
	Northern Edwards Wellfield									
	Vista Ridge									
	Hays-Caldwell Public Utility Authority									
	Trinity Aquifer supplies									
	Other									
	Brackish desalination ~~(in Edwards)~~									
	Reclaimed water bank infiltration									
	Colorado Bed and Banks									
	Rainwater harvesting									
	ASR- Regional/Desalination									
	Regional partnerships									
Regulatory	Building code modifications									
	Plumbing code modifications									
	Incentives for conservation programs									
	Incentives for rainwater harvesting sytems									
	Stormwater management incentives/programs									
	Land use management incentives/programs									
	Gray water use programs/incentives									
	Consumption comparison average on water bill									
	Developers/industry bring their own water									
	Participate in LCRA Management Plan process									
	Water pricing structures									
	Enter into drought stages earlier									