

Webb County
Phase 1 Proposed Option

Phase 1 Cost Details:					
	20 Year Utility Savings	20 Year O&M Savings	20 Year Savings	Project Cost	Simple Payback
Downtown Chiller Plant & Mechanical Upgrades includes 10 Yr Warranty	\$ 3,591,489	\$ 4,103,749	\$ 7,695,238	\$ 4,978,053	12.9
Negotiation: Use Centrifugal chillers instead of magnetic bearing				\$ (27,716)	
Negotiation: AHU Motors at Justice Center (removed in negotiations)				\$ -	
Building Automation (BAS) Upgrades - Down Town Campus	\$ 3,044,069	\$ -	\$ 3,044,069	\$ 1,294,510	8.5
Building Automation (BAS) Upgrades - Other County Buildings	\$ 579,824	\$ -	\$ 579,824	\$ 249,600	8.6
UCRM Totals	\$ 7,215,382	\$ 4,103,749	\$ 11,319,131	\$ 6,494,447	
	Detailed Energy Audit Cost			\$ 300,000	
	Scope Development and Engineering Cost			\$ 699,593	
	Negotiated Reduction: Detailed Energy Audit Cost			\$ (300,000)	
	Training, Tools, Storage, Job Office, Warranty, etc			\$ 20,620	
	Construction Bonding & Insurance Cost			\$ 101,640	
	Measurement and Verification Setup, M&V During Construction, First Year PASS			\$ 107,509	
TOTALS	\$ 7,215,382	\$ 4,103,749	\$ 11,319,131	\$ 7,423,809	13.1
OWNER CONTROLLED CONTINGENCY FUND				\$ 350,000	
TOTAL CONTRACT AMOUNT				\$ 7,773,809	

Scope developed but not included in any option above could to be considered for future phases	
Rio Bravo Packed Plant (Davco) Renovation AND/OR SBR Plant Renovation	critical need for County, but not clear direction County wants to take with Davco vs. SBR Plant
Lift Station Improvements	critical need for County, can be added as charge order / future phase
Countywide Water Retrofits	great savings opportunity - will reduce usage of critical resource (water) and
Countywide LED Retrofits	great savings opportunity - will save significant energy, provide better lighting for
Rio Bravo Water Meter AMI Upgrade	good financial payback, but not critical need
Rio Bravo SCADA & VFD Upgrades	needed for improved operational efficiency, but not as critical as other needs
UPS	back up equipment for County, can be deferred
Generator Trailer, Space Motors	back up equipment for County, can be deferred
WTP Dewatering Press	provides significant operational savings/benefit, but not critical need
Chiller for Future Expansion	not critical near term need