

Sheet 1

No	Concept	Description	Presenter	amt	savings	lcc
1	B	Ute Lake pump intake station	Danny	5,040,000	750,000	750,000
2	F	Relocate WTP to Clovis	Danny	55,400,000	500,000	500,000
3	G	Relocate WTP to multiple sites	Danny	55,400,000		
4	AL	Size intake pipe for 28MGD	Danny	5,040,000	18,000	18,000
5	AD	VFD reduce number	Dave	7,400,000	1,200,000	1,200,000 **
6	AH	Use radio SCADIA	Dave	3,000,000	2,700,000	2,600,000
7	L	Use hydro power generator at WTP	Dave	5,000,000	5,000,000	17,400,000
8	AB	Optional pipe layout and size	Dave	13,100,000	1,450,000	1,450,000
9	Y	Add redundant vacuum relief valves	Dave	4,000	4,000	10,000
10	C	Eliminate upper intake (2 to 1)	Chris	198,000	100,000	130,000
11	D	Use tow equal size intake tunnels	Chris	505,000	103,000	135,000
12	M	Minimize building cover	Chris	3,365,000	2,520,000	3,400,000
13	O	Adjust treatment plant hydraulics	Chris	1,000,000	210,000	297,000
14	W	Use alt tx process	Chris	614,000	307,000	332,000
15	X	Conduct addition bench scale studies	Chris	-	-	-
16	S	Process unit improvements	Chris		544,000	715,000
17	AA	Reduce pipe cover from 5' to 4'	Wayne	201,150,000	3,000,000	3,000,000 *
18	AC	Storage tank materials	Wayne	850,000	250,000	250,000
19	J	Optimize HVAC units	Wayne	162,750	93,000	130,000
20	N	Smaller M&O space	Wayne	697,500	112,500	112,500
21	P,Q,\	Alternate materials	Wayne	2,400,000	250,000	250,000
22	AE	paving vs not paved	Wayne	112,500	112,500	112,500
23	AF	size building	Chris	1,530,000	459,000	649,000
		OCFC	Bob			
				301,528,750	19,683,000	33,441,000
					op savings	13,758,000

* Amount shown is earth only. Savings of risers, access, etc are not computed. Expect much higher savings than amount shown upon further analysis. Data not found during study to compute.

** Significant life cycle savings not computed due to time available to value study team.