

Value Analysis Calculator for Brine Well

		Yr1	Yr2	Yr3	Yr4	Yr5	Yr6	Yr7	Yr8	Yr9	Yr10	Yr11
BENEFITS												
	Increased revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Reduced costs	180,000	216,000	259,200	311,040	373,248	447,898	537,477	644,973	773,967	928,760	1,114,513
	Year total	\$180,000	\$216,000	\$259,200	\$311,040	\$373,248	\$447,898	\$537,477	\$644,973	\$773,967	\$928,760	\$1,114,513
	Cumulative value	\$180,000	\$396,000	\$655,200	\$966,240	\$1,339,488	\$1,787,386	\$2,324,863	\$2,969,835	\$3,743,802	\$4,672,563	\$5,787,075
INVESTMENTS												
	One time investment	(\$1,699,050)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Ongoing investment	0	(7,000)	(7,210)	(7,426)	(7,649)	(7,879)	(8,115)	(8,358)	(8,609)	(8,867)	(9,133)
	Year total	(\$1,699,050)	(\$7,000)	(\$7,210)	(\$7,426)	(\$7,649)	(\$7,879)	(\$8,115)	(\$8,358)	(\$8,609)	(\$8,867)	(\$9,133)
	Cumulative investment	(\$1,699,050)	(\$1,706,050)	(\$1,713,260)	(\$1,720,686)	(\$1,728,335)	(\$1,736,214)	(\$1,744,329)	(\$1,752,687)	(\$1,761,296)	(\$1,770,164)	(\$1,779,297)
NET VALUE												
	Year total	(\$1,519,050)	\$209,000	\$251,990	\$303,614	\$365,599	\$440,019	\$529,362	\$636,614	\$765,358	\$919,893	\$1,105,379
	Cumulative total	(\$1,519,050)	(\$1,310,050)	(\$1,058,060)	(\$754,446)	(\$388,847)	\$51,172	\$580,534	\$1,217,148	\$1,982,506	\$2,902,399	\$4,007,778
	Breakeven point	n/a										
	ROI	-89.41%	-76.79%	-61.76%	-43.85%	-22.50%	2.95%	33.28%	69.44%	112.56%	163.96%	225.25%

Brine Well	
Design	\$ 150,000.00
Construction	\$ 1,549,050.00
Total Investment	\$ 1,699,050.00

Ongoing Costs	
Maintenance - Brine Well	\$ 7,000.00 3% annual increase

Reduced Costs - Water Plant	
Plant Salt reduction	\$ 180,000.00 20% annual increase