

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	201,600	225,792	252,887	283,233	317,222	355,288	397,923	445,673	499,154	559,053
	Year total	\$180,000	\$201,600	\$225,792	\$252,887	\$283,233	\$317,222	\$355,288	\$397,923	\$445,673	\$499,154	\$559,053
	Cumulative value	\$180,000	\$381,600	\$607,392	\$860,279	\$1,143,513	\$1,460,734	\$1,816,022	\$2,213,945	\$2,659,618	\$3,158,772	\$3,717,825
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)	\$194,600	\$218,582	\$245,461	\$275,584	\$309,343	\$347,173	\$389,564	\$437,064	\$490,287	\$549,919
	Cumulative total	(\$1,519,050)	(\$1,324,450)	(\$1,105,868)	(\$860,407)	(\$584,823)	(\$275,480)	\$71,693	\$461,258	\$898,322	\$1,388,609	\$1,938,528
	Breakeven point	n/a										
	ROI	-89.41%	-77.63%	-64.55%	-50.00%	-33.84%	-15.87%	4.11%	26.32%	51.00%	78.45%	108.95%

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 12% annual increase