Evaporation

Before	After	
18	18	

9.46 MGPY

M = E + B

Make up water = Evaporation + Blow down

Evap = (Rec.gpm) (.001) (DF)

Blow down = Evap / COC-1



Before	After		
\$10,000.00	-\$10,000.00		

Make up gpm

Before	After	
54	54	

28.38 MGPY

Blowdown gpm

Before	After
36	36
18.92 MGPY	

Before After

	1	
C. tons	1,000	1,000
Recirculation	3,000	3,000
DF	6	6.00
Evap, (gpm)	18	18

	coc	1.5	1.5	N/A	water cost : \$ / gal.
	Blow down	36	36	See below	0.008
	Make up water	54	54	See below	chemical bill / ton
	Reused water	NA	36	\$151,372.80	\$10.00
KW/TON	Chemical bill	\$10,000	\$0	\$10,000.00	\$ / kw-hr
0.7	Energy	\$1,533,000	\$1,533,000	\$0.00	\$0.25

Lease

\$18,000.00 5.28%

After deducting chemical bill, lease is covered by reusing only 5.28% of the water

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