					LIFE CYCLE COST ANALYSIS					
Project No. & Title					SAVINGS-TO-INVESTMENT RATIO (SIR)					
Installation & Location				– s						
Design Feature					- & DISCOUNTED PAYBACK CALCULATION					
Baseline Syste	m									
Investment				Fo	or use of this fo	orm, see TM 8	5-802-1; the pr	oponent agen	cy is USACE.	
SIR Calculation			1		Discounted Payback Calculation					
Element of		Type of Cost/Benefit	1	Trial Values of Post-BOD Analysis Period, n(years)						
Calculation	System			_	n =	n =	n =	n =	n =	
PW of Operating & Maintenance Costs □ \$ x 10 ³ □ \$ x 10 ⁶	Base- line	Energy/Fuel								
		Other O&M								
		Total								
	Invest- ment	Energy/Fuel		1						
		Other O&M		1						
		Total								
	Δ	Net Savings		1						
PW of Capital Costs □ \$ x 10 ³ □ \$ x 10 ⁶	Base- line	Initial (MCP)		1						
		Replacements								
		Terminal								
		Other								
		Total Net								
	Invest- ment	Initial (MCP)		1						
		Replacements								
		Terminal								
		Other								
		Total Net								
	Δ	Extra Investment								
SIR	Δ	Net Savings Extra Investment								
Next Trial n Value (Years)	A = This SIR — 1.0									
	B = This SIR — Last SIR*									
	C = Ratio of A to B									
	D = Last n* — This n									
	E = Product of C & D									
	F = Next n = This n + E									