

Cost and Thermal Discharge Reduction Metrics (Cost-Effectiveness) (9/24/11) 599

	OpenCyc	Option1	Option2	Option3	Option4	Option5
BaseBtu	26301024	26301024	26301024	26301024	26301024	26301024
DischBtu	26301024	17803867	8591860	94703		
BtuRed	0	8497157	17709164	26206321		
Cost	0	2.5	7	9		
\$/Btu-red	0	2.94216E-07	3.95276E-07	3.43429E-07		

BaseFlow/mgd  
days per year

BaseFlow	256.32	256.32	256.32	256.32		
DischFlow	200150	187.55	69.96	1.19		
FlowRed	0	68.77	186.36	255.13		
Cost	0	2.5	7	9		
\$/gpm-red	0	0.036353061	0.037561709	0.035276134		

	OpenCyc	Option1	Option2	Option3	Option4	Option5
BaseBtu	26301024	26301024	26301024	26301024	26301024	26301024
DischBtu	26301024	18936737.28	8591860	94703		
BtuRed	0	7364286.72	17709164	26206321		
Cost	0	2.5	7	9		
\$/Btu-red	0	3.39476E-07	3.95276E-07	3.43429E-07		
Btu-red/\$		2945714.688	2529880.571	2911813.444	0.988491335	0.86883333

	Open Cyc	M Btu	%-Red	Amt Reduced	Mill \$ Cost	\$/BtuRed		
Open Cyc	26301024		0	0	26301024	0		
Option 1	26301024		0.323	8495230.752	17805793.25	2.5	2.94283E-07	3398092.301
Option 2	26301024		0.673	17700589.15	8600434.848	7	3.95467E-07	2528655.593
Option 3	26301024		0.996	26195819.9	105204.096	9	3.43566E-07	2910646.656
								30.8342
								275513.3
								86.7225
								204106.1
								111.8166
								234274.9

Open Cyc	26301024	0	0	26301024	0		
Option 1	26301024	0.28	7364286.72	18936737.28	2.5	3.39476E-07	2945714.688
Option 2	26301024	0.67	17621686.08	8679337.92	7	3.97238E-07	2517383.726
Option 3	26301024	0.95	24985972.8	1315051.2	9	3.60202E-07	2776219.2

Base Flow MGD	256.32	256.32	256.32	256.32
Days/year	365	365	365	365
Base Flow/yr	93556.8	93556.8	93556.8	93556.8
Disch Flow MGD	256.32	187.55	69.96	1.19
Days/year	365	365	365	365
Disch Flow/yr	93556.8	68455.75	25535.4	434.35
Flow reduc/yr	0	25101.05	68021.4	93122.45
Ann Cost		2.5	7	9
Gal/\$/yr		10040.42	9717.342857	10346.93889

	3806764	3806764	3806764	3806764
	0	0.27	0.73	0.995
	0	1027826.28	2778937.72	3787730.18