

Load Following Directly After Steam Generator

Percent Reduction	Water Split	Volume Clean Water Out (m ³ /hr)	Power MWe
25	0.85	4152.48	979.2
50	0.68	8645.21	654.8
75	0.39	16009.08	327.5
100	0	23890	0
20	0.86	3973	1044

Load Following At Condenser	Volume Clean Water Out (m ³ /hr)	Power MWe	Hourly Water
25	18090	979.2	1899.45
50	20050	654.8	2105.25
75	21990	327.5	2308.95
100	23890	0	2508.45
20	17930	1044	1882.65

Reverse Osmosis Load Following (SW-S 132 kW)	Pumps	Volume Clean Water Out (m ³ /hr)	Power MWe
25	2482	103524.22	982.376
50	4963	207006.73	654.884
75	7444	310489.24	327.392
100	9925	413971.75	0
20	1985	8279.435	1048

Reverse Osmosis Load Following (SW-L 630 kW)	Pumps	Volume Clean Water Out (m ³ /hr)	Power MWe
25	520	108316	982.4
50	1040	216632	629.22
75	1560	324948	327.2
100	2080	433624	0
20	416	86694.4	1048

Reverse Osmosis Load Following (SW-M 132 kW)	Pumps	Volume Clean Water Out (m ³ /hr)	Power MWe
25	2482	206700.96	982.4
50	4963	413318.64	629.22
75	7444	619936.32	327.2

100	9925	826554	0
20	1985	165370.35	1048

Smaller Interval Load Following

Load Following Directly After Steam Generator

Percent Reduction	Volume Clean Water Out		
	Water Split	(m ³ /hr)	Power MWe
5	0.988	341.1	1244.862
10	0.9403	2683	1178.609677
15	0.901	2762	1134.833
20	0.86	3973	1044

Load Following At Condenser	Volume Clean Water Out		
	(m ³ /hr)	Power MWe	Hourly Water
5	NA	NA	NA
10	17110	1178.631	1796.55
15	17380	1134.279	1824.9
20	17930	1044	1882.65

Reverse Osmosis Load Following (SW-S 132 kW)	Volume Clean Water Out		
	Pumps	(m ³ /hr)	Power MWe
5	497	20729.87	1244.396
10	993	41418.03	1178.924
15	1489	62106.19	1113.452
20	1985	82794.35	1047.98

Reverse Osmosis Load Following (SW-L 630 kW)	Volume Clean Water Out		
	Pumps	(m ³ /hr)	Power MWe
5	104	21673.6	1244.48
10	208	43347.2	1178.96
15	312	65020.8	1113.44
20	416	86694.4	1047.92

Reverse Osmosis Load Following (SW-M 132 kW)	Volume Clean Water Out		
	Pumps	(m ³ /hr)	Power MWe
5	497	41405.07	1244.396
10	993	82726.83	1178.924
15	1489	124048.59	1113.452
20	1985	165370.35	1047.98

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X		
436.0104	78336	78772.0104	75.52953		
				Value of	
907.74705	52384	53291.74705	50.49962	Water:	0.105
				Value of	
1680.9534	26200	27880.9534	26.10576	Electricity:	80
2508.45	0	2508.45	2.350122		
417.165	83520	83937.165	81.30689		

Hourly Value Electricit	Total Value	Exergy Change
78336	80235.45	1055.91
52384	54489.25	1056.62
26200	28508.95	1048.89
0	2508.45	1067.37
83520	85402.65	1055.91

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
10870.0431	78590.08	89460.1231	3.621369
21735.70665	52390.72	74126.42665	1.414877
32601.3702	26191.36	58792.7302	0.81644
43467.03375	0	43467.03375	0.454367
869.340675	83840	84709.34068	4.242896

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
11373.18	78592	89965.18	17.8306
22746.36	50337.6	73083.96	8.074585
34119.54	26176	60295.54	4.617988
45530.52	0	45530.52	2.668498
9102.912	83840	92942.912	21.3066

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
21703.6008	78592	100295.6008	8.822942
43398.4572	50337.6	93736.0572	4.32142
65093.3136	26176	91269.3136	2.850877

86788.17	0	86788.17	2.049892
17363.88675	83840	101203.8868	11.3223

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
35.8155	99588.96	99624.7755	96.89806
281.715	94288.77419	94570.48919	89.61564
290.01	90786.64	91076.65	87.7788
417.165	83520	83937.165	81.30689

Hourly Value Electricit	Total Value	Exergy Change
NS	NA	NA
94290.48	96087.03	1056.62
90742.32	92567.22	1048.89
83520	85402.65	1055.91

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
2176.63635	99551.68	101728.3164	17.60496
4348.89315	94313.92	98662.81315	9.389973
6521.14995	89076.16	95597.30995	6.274388
8693.40675	83838.4	92531.80675	4.634706

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
2275.728	99558.4	101834.128	54.44121
4551.456	94316.8	98868.256	36.60326
6827.184	89075.2	95902.384	27.15534
9102.912	83833.6	92936.512	21.30513

Hourly Water Value	Hourly Value Electricity	Total Value	\$/X
4347.53235	99551.68	103899.2124	46.42521
8686.31715	94313.92	103000.2372	23.03494
13025.10195	89076.16	102101.262	15.22771
17363.88675	83838.4	101202.2868	11.32212