

BFN Heat Rejection

Power Level			Mode	Cooling Towers	River Flow cfs	U/S Temperature °F	D/S Temperature (1) °F	Wet Bulb Temperature (2) °F	Heat rejected by condensers 10 <sup>9</sup> BTU/hr	Heat dissipation to atmosphere by towers 10 <sup>9</sup> BTU/hr	Heat sent to river 10 <sup>9</sup> BTU/hr
Unit 1	Unit 2	Unit 3									
0%	105%	105%	open	NA	10000	84.7	90	NA	16.4	NA	16.4
0%	120%	120%	open	NA	10000	84.1	90	NA	19.1	NA	19.1
120%	120%	120%	open	NA	10000	83.7	90	NA	28.5	NA	28.5
0%	105%	105%	helper	5 (existing)	10000	88.6	90	78	16.5	13.4	3.1
0%	120%	120%	helper	5 (existing)	10000	88.3	90	78	19.4	15.4	4
120%	120%	120%	helper	6 (SEIS preferred alternative)	10000	87.1	90	78	28.8	19.6	9.2

Notes: 1. 90°F = NPDES limit for instream water temperature.  
 2. Wet bulb temperature 78°F considered worst case condition for cooling tower performance.