

BHP Load and Resource Balance - Base Case

Appendix J
Schedule J-1

	BHP Load and Resources Balance - 2024-2043																			Schedule 5
	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	
PEAK DEMAND*																				
BHP Native Load	395	395	397	401	404	407	410	412	414	417	419	421	424	426	428	431	433	435	437	
RESOURCES*																				
Neil Simpson II	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	
Wyodak	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62					
Ben French Diesels	10	10	10	10	10															
Ben French CTs	72	72	72	72	72															
Lange CT	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
Neil Simpson CT I	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
Wygen III	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
CPGS CC	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
Corriedale**	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	
Total Resources	416	416	416	416	416	333	333	333	333	333	333	333	333	333	333	271	271	271	271	
PURCHASES																				
Happy Jack**	3.0	3.0	3.0	3.0																
Silver Sage**	4.4	4.4	4.4	4.4	4.4															
Wind Contract (12 MW)**	2.6	2.6	2.6	2.6	2.6															
Fall River***	28.5	28.4	28.2	28.1	27.9	27.8	27.7	27.5	27.4	27.3	27.1	27.0	26.8	26.7	26.6	26.4	26.3	26.2	26.1	
Total Purchases	39	38	38	38	35	28	28	28	27	27	27	27	27	27	27	26	26	26	26	
SALES																				
MEAN Contract	15	15	15																	
MDU All-Requirements	43	44	45	45																
COG All-Requirements	16	17	19																	
Total Sales	74	76	78	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL RESOURCES-SALES	380	378	376	409	451	361	361	361	361	360	360	360	360	360	360	298	297	297	297	
COG NS CT II (40 MW Planning Reserve)	40	40	40																	
COG Wygen III Share (23 MW Planning Reserve)	23	23	23																	
COG Wygen I PPA (5 MW Planning Reserve)	5	5	5																	
COG WAPA Hydro (4 MW Planning Reserve)	4	4	4																	
TOTAL PLANNING RESERVES (30%)	145	145	146	120	121	122	123	124	124	125	126	126	127	128	129	129	130	131	131	
PEAK PLUS RESERVES	540	541	543	521	525	530	533	536	539	542	545	548	551	554	557	560	563	566	569	
CAPACITY EXCESS/DEFICIT (MW)	-159	-163	-167	-112	-74	-169	-172	-175	-178	-181	-185	-188	-191	-194	-197	-262	-265	-268	-271	
CAPACITY EXCESS/DEFICIT (%)	-29%	-30%	-31%	-22%	-14%	-32%	-32%	-33%	-33%	-33%	-34%	-34%	-35%	-35%	-35%	-47%	-47%	-47%	-48%	
* Peak demand is forecasted summer peak and resource capacities are summer ratings corresponding to the peak day.										0.3										
**22% of Happy Jack, Silver Sage, Corriedale count as accredited capacity.																				
***36% of Fall River capacity counts as accredited capacity.																				