Synapse Energy Generation and Capacity Appendix A Comparison of Generation Estimates

Generation (TWh)	Case A1			Case A2			Case A3			Case A4			Case A5			Case A6		
	2018	2022	2030	2018	2022	2030	2018	2022	2030	2018	2022	2030	2018	2022	2030	2018	2022	2030
Nuclear	42.6	42.6	42.6	42.6	42.6	42.6	42.6	26.2	26.2	42.6	26.2	26.2	42.6	26.2	26.2	42.6	26.2	26.2
Coal	2.1	0.0	0.0	2.9	0.0	0.0	2.1	0.0	0.0	1.9	0.0	0.0	2.1	0.0	0.0	1.8	0.0	0.0
Gas	56.7	46.8	15.2	56.9	47.4	13.7	56.7	49.5	14.2	56.7	49.0	16.4	56.7	48.5	14.8	56.7	48.7	14.6
New Gas	5.1	5.1	17.0	5.1	5.2	19.7	5.1	5.1	23.1	5.1	5.1	17.4	5.1	5.1	21.0	5.1	5.1	17.9
Hydro	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
Wind	5.2	8.2	23.9	5.2	9.7	26.8	5.2	8.2	23.7	5.2	5.3	17.8	5.2	8.2	24.3	5.2	5.3	17.2
Solar	0.3	0.3	5.2	0.5	0.5	8.3	0.3	0.3	5.4	1.1	4.4	5.4	0.3	0.3	4.8	0.3	0.3	0.3
DG PV	2.3	5.6	6.5	2.3	5.6	6.5	2.3	5.6	6.5	1.5	1.5	1.5	2.3	5.6	6.5	2.3	5.6	6.5
Biopower	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Oil-Gas-Steam	4.6	3.5	1.5	4.9	4.4	1.5	4.6	5.3	1.5	4.4	3.9	1.5	4.5	4.4	1.5	4.3	3.1	1.5
Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canadian Hydro	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
CHPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.0	0.0	7.0	7.0
ICAP Total	159.8	155.0	146.1	162.1	160.4	157.9	159.8	155.0	146.1	159.1	146.5	122.9	159.8	155.0	146.1	159.1	146.5	122.9

Case A1. Reference Case (CES EE) IPEC In-Service, ICAP

Case A2. Reference case Status Quo EE, IPEC in-service, ICAP

Case A3. Retirement scenario, reference load (CES EE) ICAP

Case A4. Retirement scenario, high energy efficiency, ICAP

Case A5. Retirement scenario, CHPE, reference load (CES EE) ICAP

Case A6. Retirement scenario, CHPE, high energy efficiency ICAP