





































## APPENDIX 3

Coal power generation (TWh) for China and the world to keep warming to 1.5°C and well below 2°C. The pathway for the world is from the IPCC SR1.5 pathways (median of the 1.5°C no and low overshoot and lower 2°C, with no carbon capture and storage).

The pathway for China was determined by GEM and assumes a 50% capacity factor and that every country retires its coal plants at the same age to meet the global IPCC coal power pathways, resulting in the coal power generation schedule below for China.

	CHINA		GLOBAL	
	1.5°C	2°C	1.5°C	2°C
2019	4,498	4,498	8595	9701
2020	4,611	4,672	8609	9800
2021	4,695	4,803	7892	9100
2022	4,836	5,020	7010	8300
2023	4,401	4,839	6533	7663
2024	3,965	4,658	6015	7304
2025	3,530	4,477	5381	6760
2026	3,139	4,108	4632	6000
2027	2,748	3,739	4168	5749
2028	2,357	3,370	3524	5217
2029	1,966	3,001	2800	4636
2030	1,575	2,632	2437	4051
2031	1,319	2,257	2000	3747
2032	1,063	1,875	1500	3087
2033	806	1,506	1000	2399
2034	550	1,131	732	1874
2035	294	750	483	1412
2036	259	500	388	1222
2037	223	359	312	1075
2038	187	240	250	960
2039	151	160	200	796
2040	115	114	150	670
2041	90	91	110	618
2042	69	70	80	566
2043	46	50	60	503
2044	23	30	40	434
2045	0	20	30	377
2046	0	16	25	317
2047	0	13	20	243
2048	0	10	15	171
2049	0	8	12	110
2050	0	6	10	38