

Supplementary Table 1

Basic information on carbon neutral enterprises.

ID	Code	Primary industry	Secondary industry	Carbon	SO	RI	Market value	MV
1	000009	Industrial	Electric Power Equipment	1	0	0	224.4	2
2	000035	Industrial	Environmental Protection	1	0	0	115.8	2
3	000100	Information Technology	Electronics	1	0	0	790.6	3
4	000155		unselected					
5	000581	Consumer Discretionary	Passenger Cars and Parts	1	1	0	163.8	2
6	000598	Public Utility	Public Utility	1	0	1	221.5	2
7	000685	Public Utility	Public Utility	1	1	0	104.7	2
8	000709	Raw Materials	Steel	0	1	1	200.5	2
9	000786	Industrial	Construction Decoration	0	1	0	515.6	3
10	000877	Raw Materials	Non-metal Materials	0	1	1	483.4	2
11	000885	Industrial	Environmental Protection	1	1	0	72.94	1
12	000959	Raw Materials	Steel	0	1	0	215.1	2
13	000966	Public Utility	Public Utility	1	1	0	120.4	2
14	001289		unselected					
15	002034	Industrial	Environmental Protection	1	0	0	56.69	1
16	002050	Consumer Discretionary	Consumer Durables	1	0	0	764.1	3
17	002051	Industrial	Construction Decoration	0	1	0	85.38	1
18	002074	Industrial	Electric Power Equipment	1	0	0	341.1	2
19	002129	Industrial	Electric Power Equipment	1	1	0	346.5	2
20	002233	Raw Materials	Non-metal Materials	0	1	0	81.43	1
21	002271	Industrial	Construction Decoration	0	0	0	325.0	2
22	002340	Industrial	Electric Power Equipment	1	0	0	321.5	2
23	002430	Raw Materials	Chemicals	0	1	0	224.8	2
24	002459	Industrial	Electric Power Equipment	1	0	1	381.6	2
25	002460	Raw Materials	Nonferrous Metals	0	0	0	566.2	3
26	002466	Raw Materials	Nonferrous Metals	0	0	1	484.7	2
27	002493	Raw Materials	Chemicals	0	0	0	981.2	3
28	002549	Industrial	Environmental	1	0	0	35.67	1

			Protection					
29	002594	Consumer	Passenger Cars and	1	0	0	7390	3
		Discretionary	Parts					
30	002645	Industrial	Environmental	1	0	0	36.64	1
			Protection					
31	002648	Raw Materials	Chemicals	0	0	0	622.9	3
32	002709	Industrial	Electric Power	1	0	0	340.8	2
			Equipment					
33	002738	Raw Materials	Nonferrous Metals	0	1	0	190.3	2
34	002756	Raw Materials	Nonferrous Metals	0	0	0	195.5	2
35	002812	Industrial	Electric Power	1	0	0	319.5	2
			Equipment					
36	003039		unselected					
37	003816		unselected					
38	300014	Industrial	Electric Power	1	0	0	836.7	3
			Equipment					
39	300037	Industrial	Electric Power	1	0	0	215.1	2
			Equipment					
40	300124	Industrial	Machinery	1	0	0	1385	3
			Manufacturing					
41	300274	Industrial	Electric Power	1	0	0	1328	3
			Equipment					
42	300285	Information	Electronics	1	0	0	179.2	2
		Technology						
43	300316	Industrial	Electric Power	1	0	0	382.4	2
			Equipment					
44	300450	Industrial	Machinery	1	0	0	267.8	2
			Manufacturing					
45	300750		unselected					
46	300919		unselected					
47	301175		unselected					
48	301358		unselected					
49	600019	Raw Materials	Steel	0	1	0	1458	3
50	600022	Raw Materials	Steel	0	1	0	127.3	2
51	600023	Public Utility	Public Utility	1	1	0	933.2	3
52	600025		unselected					
53	600027	Public Utility	Public Utility	1	1	0	691.4	3
54	600089	Industrial	Electric Power	1	0	1	693.7	3
			Equipment					
55	600096	Raw Materials	Chemicals	0	1	0	365.0	2
56	600111	Raw Materials	Nonferrous Metals	0	1	1	610.2	3
57	600143	Raw Materials	Chemicals	0	0	0	178.1	2
58	600170	Industrial	Construction Decoration	0	1	0	191.9	2
59	600236	Public Utility	Public Utility	1	1	0	584.1	3

60	600282	Raw Materials	Steel	0	1	0	307.0	2
61	600309	Raw Materials	Chemicals	0	1	0	2693	3
62	600323	Industrial	Environmental Protection	1	1	0	168.0	2
63	600362	Raw Materials	Nonferrous Metals	0	1	0	832.4	3
64	600378	Raw Materials	Chemicals	0	1	1	288.0	2
65	600438	Industrial	Electric Power Equipment	1	0	1	886.4	3
66	600475	Industrial	Environmental Protection	1	1	0	79.74	1
67	600483	Public Utility	Public Utility	1	1	0	287.3	2
68	600549	Raw Materials	Nonferrous Metals	0	1	0	247.6	2
69	600585	Raw Materials	Non-metal Materials	0	1	0	1248	3
70	600674	Public Utility	Public Utility	1	1	1	889.1	3
71	600801	Raw Materials	Non-metal Materials	0	0	0	296.5	2
72	600820	Industrial	Construction Decoration	0	1	0	204.7	2
73	600885	Industrial	Electric Power Equipment	1	0	0	279.2	2
74	600886	Public Utility	Public Utility	1	1	0	1334	3
75	600900	Public Utility	Public Utility	1	1	0	7010	3
76	600905		unselected					
77	600989		unselected					
78	601012	Industrial	Electric Power Equipment	1	0	1	1094	3
79	601200	Industrial	Environmental Protection	1	1	0	94.57	1
80	601238	Consumer Discretionary	Passenger Cars and Parts	1	1	0	831.6	3
81	601390	Industrial	Construction Decoration	0	1	0	1599	3
82	601600	Raw Materials	Nonferrous Metals	0	1	0	1295	3
83	601636	Raw Materials	Non-metal Materials	0	0	0	179.3	2
84	601827		unselected					
85	601865		unselected					
86	601877	Industrial	Electric Power Equipment	1	0	0	418.4	2
87	601899	Raw Materials	Nonferrous Metals	0	1	0	4611	3
88	601985	Public Utility	Public Utility	1	1	0	1987	3
89	601991	Public Utility	Public Utility	1	1	0	544.1	3
90	603568	Industrial	Environmental Protection	1	0	0	353.2	2
91	603588	Industrial	Environmental Protection	1	0	0	101.6	2
92	603659		unselected					
93	603737	Raw Materials	Chemicals	0	0	0	208.7	2

94	603799	Raw Materials	Nonferrous Metals	0	0	0	373.7	2
95	603806	Industrial	Electric Power	1	0	0	400.4	2
			Equipment					
96	603993	Raw Materials	Nonferrous Metals	0	0	0	1799	3
97	605589		unselected					
98	688223		unselected					
99	688303		unselected					
100	688599		unselected					

Note: The primary and secondary industries are classified according to the China Securities Index Industry Standards; Based on the SEEE Carbon Neutrality Index compilation standards, the sample enterprises are categorized into low-carbon and high-carbon attributes according to the China Securities Index Industry Standards, while also considering whether their primary business operations fall under nationally designated high-energy-consuming industries. Carbon represents carbon neutrality, with a value of 1 indicating low-carbon enterprises and a value of 0 indicating high-carbon industries; SO represents enterprise ownership, with 0 for private enterprises and 1 for state-owned enterprises; RI represents resource intensity, with 1 indicating that the enterprise is registered in a resource-rich province (Shaanxi, Shanxi, Inner Mongolia, Sichuan, Xinjiang, Hebei), and 0 indicating it is not in a resource-rich province; MV indicates the scale of the enterprise's market value, with 1 for small-size stocks, market value less than 10 billion yuan, 2 for medium-size stocks, market value between 10-50 billion yuan, and 3 for large-size stocks, market value greater than 50 billion yuan.