

## Electronic Supplementary Material

Policy documents reviewed in this study

Table S1 Policy documents reviewed in this study

	<b>Policies</b>	<b>Department of issue</b>	<b>Date of issue</b>
1	The National Medium- and Long-term Program for Science and Technology Development (2006–2020)	State Council	2006.2.9
2	China's National Climate Change Program	State Council	2007.6.3
3	Responding to Climate Change: China's Policies and Actions	Ministry of Science and Technology, National Development and Reform Commission, Ministry of Foreign Affairs, Ministry of Education, Ministry of Finance, etc.	2007.6.13
4	China's Policies and Actions on Climate Change (2008)	State Council	2008.10.29
5	Outline of the 12th Five-Year Plan for Land and Resources	Ministry of Land and Resources (now Ministry of Natural Resources)	2011.5.1
6	National 12th Five-Year for Science and Technology Development Plan	Ministry of Science and Technology, National Development and Reform Commission, Ministry of Finance, Ministry of Education, Chinese Academy of Sciences, etc.	2011.7.13
7	The 12th Five-Year Plan for Science and Technology Development of Land and Resources	Ministry of Land and Resources (now Ministry of Natural Resources)	2011.9.13
8	China's Carbon Capture, Utilization and Storage (CCUS) Technology Development Roadmap	Ministry of Science and Technology	2011.9.18
9	National 12th Five-Year Plan for Energy Science and Technology (2011–2015)	National Energy Administration	2011.12.5
10	The 12th Five-Year Work Plan for Controlling Greenhouse Gas Emissions	State Council	2012.1.13

11	The 12th Five-Year Plan for Coal Industry Development	National Development and Reform Commission, National Energy Administration	2012.3.18
12	National 12th Five-Year Plan for Science and Technology Development on Climate Change	Ministry of Science and Technology, Ministry of Foreign Affairs, National Development and Reform Commission, Ministry of Education, Ministry of Industry and Information Technology, etc.	2012.5.4
13	Climate Change Action Plan in Industry (2012–2020)	Ministry of Industry and Information Technology, National Development and Reform Commission, Ministry of Science and Technology, Ministry of Finance	2012.12.31
14	The 12th Five-Year Plan for National Independent Innovation Capacity Construction	State Council	2013.1.15
15	The 12th Five-Year Development Plan for National Carbon Capture Utilization and Storage Technology	Ministry of Science and Technology	2013.2.16
16	The National Medium- and Long-term Plan of Major Scientific and Technological Infrastructure Construction (2012–2030)	State Council	2013.2.23
17	Notice on Promoting Carbon Capture, Utilization and Storage Pilot and Demonstration	National Development and Reform Commission, Ministry of Science and Technology, Ministry of Industry and Information Technology, Ministry of Finance, Ministry of Natural Resources, etc.	2013.4.27
18	Notice on Strengthening Environmental Protection of Carbon Capture, Utilization and Storage Pilot and Demonstration Projects	Ministry of Ecology and Environment	2013.10.28
19	Catalog for Promotion of Key Technologies on National Low Carbon Emission (First Instalment)	National Development and Reform Commission	2014.8.25
20	National Climate Change Program (2014–2020)	National Development and Reform Commission	2014.9.19
21	US-China Joint Statement on Climate Change	China, US	2014.11.12
22	Opinions on Promoting Safe and Green Coal Development and Clean and Highly Efficient Utilization	National Energy Administration, Ministry of Ecology and Environment, Ministry of Industry and Information Technology	2014.12.26

23	Action Plan for Clean and Highly-Efficient Utilization of Coal (2015–2020)	National Energy Administration	2015.4.27
24	Catalog for Promotion of Key Technologies on National Low Carbon Emission (Second Instalment)	National Development and Reform Commission	2015.12.6
25	Energy Technology Innovation Action Plan (2016–2030)	National Development and Reform Commission, National Energy Administration	2016.4.7
26	Technical Guideline for Environmental Risk Assessment of Carbon Dioxide Capture, Utilization and Storage (Trial)	Ministry of Ecology and Environment	2016.6.20
27	Industrial Green Development Plan (2016–2020)	Ministry of Industry and Information Technology	2016.6.30
28	National 13th Five-Year Scientific and Technological Innovation Plan	State Council	2016.8.8
29	The 13th Five-Year Work Plan for Controlling Greenhouse Gas Emission	State Council	2016.11.4
30	The 13th Five-Year Plan for Development of Coal Industry	National Development and Reform Commission, National Energy Administration	2016.12.22
31	Energy Supply and Consumption Revolution Strategy (2016–2030)	National Development and Reform Commission, National Energy Administration	2016.12.29
32	Guiding Catalogue of Key Products and Services for Strategic Emerging Industries (2016 edition)	National Development and Reform Commission	2017.1.25
33	The 13th Five-Year Special Program Plan for Scientific and Technological Innovation to Address Climate Change	Ministry of Science and Technology, Ministry of Ecology and Environment, China Meteorological Administration	2017.4.27
34	Design Standard for Flue Gas Carbon Dioxide Capture and Purification Engineering	Ministry of Housing and Urban-Rural Development	2018.9.11
35	Technology Development Roadmap on Carbon Capture, Utilization and Storage in China (2019 edition)	Ministry of Science and Technology, The Administrative Centre for China's Agenda 21	2019.5.17
36	Catalogue of Guidance on Industrial Structure Adjustment (2019 Version)	National Development and Reform Commission	2019.11.6
37	Guiding Opinions on Facilitating the Investment and Financing on Climate Change Adaptations	Ministry of Ecology and Environment, National Development and Reform Commission, the People's Bank of China, China Banking	2020.10.21

		and Insurance Regulatory Commission, China Securities Regulatory Commission	
38	Green Technology Promotion Catalogue (2020)	National Development and Reform Commission, Ministry of Science and Technology, Ministry of Industry and Information Technology, Ministry of Natural Resources	2020.12.31
39	Guiding Opinions on Coordinating and Strengthening the Work Related to Climate Change and Ecological Environment Protection	Ministry of Ecology and Environment	2021.01.11
40	Guiding Opinions on Accelerating the Establishment and Improvement of the Green and Low-carbon Circular Development Economic Systems	State Council	2021.2.22
41	Outline of the 14th Five-Year Plan for National Economic and Social Development and Vision 2035 of the People's Republic of China	The People's Congress, The National Committee of the Chinese People's Political Consultative Conference	2021.3.13
42	US-China Joint Statement Addressing the Climate Crisis	China, US	2021.4.18
43	Guiding Opinions on Strengthening the Prevention and Control of Ecological and Environmental Pollution at the Sources from Energy-Intensive Construction Projects with High Emissions	Ministry of Ecology and Environment	2021.5.30
44	Notice on Submitting the Information About the Carbon Dioxide Capture, Utilization and Storage (CCUS) Projects	National Development and Reform Commission	2021.6.17
45	Green Bond Endorsed Projects Catalogue (2021 edition)	The People's Bank of China, National Development and Reform Commission, China Securities Regulatory Commission	2021.7.1
46	Opinions of the Central Committee of the CPC and the State Council on Carbon Dioxide Peaking and Carbon Neutrality in Full and Faithful Implementing of the New Development Philosophy	Central Committee of Communist Party of China, State Council	2021.9.22
47	National Standardization Development Outline	Central Committee of Communist Party of China, State Council	2021.10.10
48	Action Plan for Carbon Dioxide Peaking Before 2030	State Council	2021.10.24
49	Responding to Climate Change: China's Policies and Actions (October 2021)	State Council	2021.10.27

50	US-China Joint Glasgow Declaration on Enhancing Climate Action in the 2020s	China, US	2021.11.10
51	The 14th Five-Year Plan for Scientific and Technological Innovation in the Energy Sector	National Energy Administration, Ministry of Science and Technology	2021.11.29
52	The 14th Five-Year Plan on Industrial Green Development	Ministry of Industry and Information Technology	2021.12.03
53	Climate Investment and Financing Pilot Work Plan	Ministry of Ecology and Environment, National Development and Reform Commission, Ministry of Industry and Information Technology, Ministry of Housing and Urban-Rural Development, Ministry of Transport, etc.	2021.12.21
54	14th Five-Year Plan on Modern Energy System Planning	National Development and Reform Commission, National Energy Administration	2022.1.19
55	Implementation Guidelines for Energy Conservation and Carbon Reduction Transformation and Upgrading of Modern Coal Chemical Industry (2022 Edition)	National Development and Reform Commission, Ministry of Industry and Information Technology, Ministry of Ecology and Environment, National Energy Administration	2022.2.11
56	Guiding Opinions on Promoting the High-Quality Development of the Petrochemical and Chemical Industry During the 14th Five-Year Plan	Ministry of Industry and Information Technology, National Development and Reform Commission, Ministry of Science and Technology, Ministry of Ecology and Environment, Ministry of Emergency Management, National Energy Administration	2022.3.28
57	Work Plan for Strengthening the Construction of Higher Education Personnel Training System of Carbon Peaking and Carbon Neutrality	Ministry of Education	2022.4.19
58	Implementation plan for Synergetic Reduction of Pollution and Carbon Emissions	Ministry of Ecology and Environment, National Development and Reform Commission, Ministry of Industry and Information Technology, Ministry of Housing and Urban-Rural Development, Ministry of Transport, etc.	2022.6.13

