

Environmental Benefits of Ultra-Low Emission (ULE) Technology Applied in China

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Table S1. Definition of Coal-fired Sectors ^a.

Integrated Sectors	Detailed Sectors
Power	Thermal Power; Heating Supply
Industry	Coal Washing; Coking; Petroleum Refineries; Gas Works; Briquettes; Industry Final Consumption

a. Coal-fired sectors are classified based on China Energy Statistical Yearbook 2016: http://www.stats.gov.cn/tjsj/tjcbw/201706/t20170621_1505833.html.

Table S2. The Sectors Definition of the GAINS ^b.

Sectors & Fuel type	Coal	Liquid fuels	Natural gas	Biomass	Agriculture	Industrial processes & production	Other sources incl. natural	Non-exhaust
Power & heating plants	188.8	2.9	0.45	0.78	0			188.78
Fuel conversion	1.4	0.2	0.17					1.39
Residential combustion	4.2	1.2	1.85	32.83	0			4.2
Industrial combustion	159.4	2.4	4.77	1.08			66.11	159.42
Industrial processes						121.55	5.09	
Light duty vehicles		21.12						
Heavy duty vehicles-diesel		181.56	0.26					
Non-road machinery		172.67						
Agriculture								1.7

Waste							0.12	
Sum	353.8	381.98	7.51	34.69	0	121.55	73.02	353.79

b Take the NO_x emission results from Anhui province in the GAINS inventory as an example.
GAINS: <http://www.iiasa.ac.at/webhome/research/researchPrograms/air/Asia.html>.