

Supplementary Materials

Table S1. Changes of installed units and power generation from coal-fired power plants in Anhui from 2012 to 2017.

Year		2012	2013	2014	2015	2016	2017
Types of units (MW)	50–200	7	9	9	10	10	10
	300	22	28	28	30	30	30
	600	30	34	36	40	42	42
	1000	1	1	1	5	7	8
	Total	60	72	74	85	89	90
Installed capacity (MW)		28,289	33,902	34,527	41,877	45,227	46,227
Growth rate of installed capacity (%)		-	19.8	1.8	21.3	7.9	2.2
Power generation (GWh)		159.01	168.44	169.98	179.09	192.12	195.02
Growth rate of power generation (%)		-	5.9	0.9	5.4	7.3	1.5

Table S2. An overview of CEMS execution standards and test basis in Anhui coal-fired power plants.

Code	Title	Year
HJ 75	Specifications for continuous emissions monitoring of SO ₂ , NO _x and particulate matter in the flue gas emitted from stationary sources (on trial)	2017
HJ 76	Specifications and test procedures for continuous emissions monitoring systems for SO ₂ , NO _x and particulate matter in flue gas emitted from stationary sources (on trial)	2017
HJ 836	Stationary source emission-Determination of mass concentration of particulate matter at low concentration- Manual gravimetric method (on trial)	2017
DL/T414	Specification for environmental monitoring of thermal power plants	2012
HJ/T373	Technical Specifications of quality assurance and quality control for monitoring of stationary pollution source (on trial)	2007
GB/T16157	Determination of particulates and sampling methods of gaseous pollutions emitted from exhaust gas of stationary source	1996