

Table 1. Information of the onsite tested utility boilers

Power plant	Installed capacity (MW)	Location	Boiler type	Air pollution control devices (APCDs)	Coal type	Coal consumption (kt/yr)
Plant 1	200	Guizhou	PC boiler	ESP+WFGD	Bituminous	894
Plant 2	600	Guizhou	PC boiler	ESP+WFGD	Bituminous	1672
Plant 3	300	Guizhou	PC boiler	ESP+WFGD	Anthracite	836
Plant 4	600	Guangdong	PC boiler	ESP+WFGD	Lignite	1280
Plant 5	100	Shanxi	PC boiler	ESP+CFB-FGD+FF	Bituminous	363
Plant 6	165	Beijing	PC boiler	SCR+ESP+WFGD	Lignite	452

Notes:

PC boiler – pulverized-coal boiler

ESP – electrostatic precipitator

FF – fabric filter

FGD – flue gas desulfurization

WFGD – wet FGD

CFB-FGD – circulating fluidized bed FGD

SCR – selective catalytic reduction