Table 3-31 State Settlements in EPA 2023 Reference Case

Company and Plant	State	Unit	State Enforcement Actions														Notes
			Retire/Repower		SO_2 Control			NO_x Control			PM Control			Mercury Control			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	
Old AES																	
			If the MPC project is discontinued at Greenidge Unit 4 by 12/31/2009, Unit 4 will be subject to the following SO_2 emission caps: 2005 will be 12,125 tons, 2006 will be 11,800 tons, 2007 will be 11,475 tons, 2008 will be 11,150 tons, and 2009 will be 10,825 tons. By 12/31/2009, AES shall control, repower, or cease operations at Westover Unit 7. Beginning in 2005, Unit 8 will be subject to the following SO_2 emission caps: 2005 is 9500 tons, 2006 is 9250, 2007 is 9000, 2008 is 8750, 2009 is 8500 tons.														http://www.ag.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution
Greenidge	New York	Unit 4	Update: as of May 2009, CONSOL and AES describe the Greenidge Unit 4 MPC effort as a success.														http://www.aes.com/investors/press-releases/press-release-details/2009/CONSOL-Energy-and-AES-Greenidge-Announce-Successful-Demonstration-of-Multi-Pollutant-Control-Technology-for-Smaller-Coal-Fired-Plants/default.aspx
								Operate SCR and SNCR	0.08	09/07/2016 – 09/06/2021	Baghouse	48.9 tpy	09/07/2016 – 09/06/2021				Unit has retired. http://www.dec.ny.gov/dardata/boss/afs/permits/857360000400017_r0_1.pdf
	New York	Unit 3	Retired	2011	Install BACT		12/31/09	Install BACT		12/31/09							Unit has retired
Westover			Update: as of May 2009, NO_x emissions appear to be above the specified 0.15 lbs/MMBtu														http://www.powermag.com/print/environmental/Apply-the-fundamentals-to-improve-emissions-performance_574.html
	New York	Unit 8	Retired	2010		90%	12/31/10	Install SCR	0.15	12/31/10							Unit has retired
	New York	Unit 7	Retired	2010	Install BACT		12/31/09	Install BACT		12/31/09							Unit has retired
Hickling	New York	Unit 1	Retired	2010	Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired
	New York	Unit 2	Retired	2010	Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired
Cayuga	New York	Unit 1			FGD			SCR	Meets System Wide RACT		ESP	98%					Unit has retired
	New York	Unit 2			FGD			LN Concentric Firing	Meets System Wide RACT		ESP	98%					Unit has retired
Jennison	New York	Unit 1	Retired	2010	Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired
	New York	Unit 2	Retired	2010	Install BACT		05/01/07	Install BACT		05/01/07							Unit has retired
Entergy																	
Indian Point	New York	Unit 2	Retire	04/30/2020													Unit has retired
	New York	Unit 3	Retire	04/30/2021													Unit has retired. https://www.riverkeeper.org/wp-

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																		content/uploads/2017/01/Indian-Point-Closure-Agreement-January-8-2017.pdf
Niagara Mohawk Power																		
			NRG shall comply with the below annual tonnage limitations for its Huntley and Dunkirk Stations: In 2005 59,537 tons of SO_2 and 10,777 tons of NO_x, in 2006 34,230 of SO_2 and 6,772 of NO_x, in 2007 30,859 of SO_2 and 6,211 of NO_x, in 2008 22,733 tons of SO_2 and 6,211 tons of NO_x, in 2009 19,444 of SO_2 and 5,388 of NO_x, in 2010 and 2011 19,444 of SO_2 and 4,861 of NO_x, in 2012 16,807 of SO_2 and 3,241 of NO_x, 2013 and 14,169 of SO_2 and 3,241 of NO_x thereafter.															http://www.ag.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution
Huntley	New York	Units 63 – 66	Retire	Before 2008														Units have retired
Public Service Co. of NM																		
San Juan	New Mexico	Unit 1			State-of-the-art technology	90%	10/31/08	State-of-the-art technology	0.3	10/31/08	Operate Baghouse and demister technology	0.015	12/31/09	Design activated carbon injection technology (or comparable tech)		12/31/09	Units have retired
	New Mexico	Unit 2					03/31/09			03/31/09			12/31/09			12/31/09	
	New Mexico	Unit 3					04/30/08			04/30/08			04/30/08			04/30/08	
	New Mexico	Unit 4					10/31/07			10/31/07			10/31/07			10/31/07	
Public Service Co of Colorado																		
Comanche	Colorado	Unit 1			Install and operate FGD	0.1 lbs/MMBtu combined average	07/01/09	Install low-NO_x emission controls	0.15 lbs/MMBtu combined average	07/01/09				Install sorbent injection technology		07/01/09	Comanche units 1 and 2 retired. Comanche unit 3 has DryFGD, SCR, Baghouse, and ACI.
	Colorado	Unit 2			Install and operate FGD		07/01/09	Install low-NO_x emission controls		07/01/09				Install sorbent injection technology		07/01/09	Comanche units 1 and 2 taken together shall not exceed a 0.15 heat rate for NO_x, nor 0.10 for SO_2 no later than 180 days after initial start-up of control equipment, or by 7/01/2009, whichever is earlier.
	Colorado	Unit 3			Install and operate FGD	0.1 lbs/MMBtu		Install and operate SCR	0.08		Install and operate a fabric filter dust collection system	0.013		Install sorbent injection technology		Within 180 days of start-up	http://content.sierraclub.org/coal/sites/content.sierraclub.org.coal/files/elp/docs/co-comanche_agree-sign_2004-12-02.pdf
Rochester Gas & Electric																		
Russell Plant	New York	Units 1 – 4	Retire all units															Units have retired. http://www.ag.ny.gov/press-release/cuomo-announces-settlement-close-rochester-gas-electrics-coal-burning-russell-power
Mirant New York																		
Lovett Plant	New York	Unit 1	Retire	05/07/07														Unit has retired. http://www.nytimes.com/2007/05/11/nyregion/11plant.html?_r=1&pagewanted=print
	New York	Unit 2	Retire	04/30/08														Unit has retired. Retirements are pursuant to a 2003 consent decree, and the plant's failure to comply with the required reductions.
TVA																		
Allen	Tennessee	Units 1 – 3			Remove from Service, FGD, or Retire		12/31/2018	Install SCR		Effective Date								Units have retired. http://www2.epa.gov/sites/production/files/documents/tvacoal-fired-cd.pdf
Bull Run	Tennessee	Unit 1			Install Wet FGD		Effective Date	Install SCR		Effective Date								Unit has retired
Colbert	Alabama	Units 1 - 4			Remove from Service, FGD, Repower to Renewable Biomass, or Retire		6/30/2016	Remove from Service, SCR, Repower to Renewable Biomass, or Retire		6/30/2016								Units have retired

Company and Plant	State	Unit	State Enforcement Actions															Notes
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		Unit 5			Remove from Service, FGD, or Retire		12/31/2015	Install SCR		Effective Date								Unit has retired
Cumberland	Tennessee	Units 1 & 2			Install Wet FGD		Effective Date	Install SCR		Effective Date								Cumberland 1 has installed a WetFGD and SCR. Cumberland 2 has retired.
Gallatin	Tennessee	Units 1 - 4			FGD, Repower to Renewable Biomass, or Retire		12/31/2017	Install SCR, Repower to Renewable Biomass, or Retire		12/31/2017								Gallatin Units 1-4 have DryFGD and SCR
John Sevier	Tennessee	Units 1 & 2	Retire	12/31/2012														Units have retired
		Units 3 & 4	Remove from Service	12/31/2012	FGD, Repower to Renewable Biomass, or Retire		12/31/2015	Install SCR, Repower to Renewable Biomass, or Retire		12/31/2015								Units have retired
Johnsonville	Tennessee	Units 1 - 10	Retire	6 Units by 12/31/15, 4 Units by 12/31/18														Units have retired
Kingston	Tennessee	Units 1 - 9			Install Wet FGD		Effective Date	Install SCR		Effective Date								Units have retired
Paradise	Kentucky	Units 1 & 2			Upgrade FGD	93% Removal	12/31/2012	Install SCR		Effective Date								Units have retired
		Unit 3			Install Wet FGD		Effective Date	Install SCR		Effective Date								Unit has retired
Shawnee	Kentucky	Units 1 & 4			FGD, Repower to Renewable Biomass, or Retire		12/31/2017	Install SCR, Repower to Renewable Biomass, or Retire		12/31/2017								Shawnee Units 1 & 4 have DryFGD and SCR
Widows Creek	Alabama	Units 1 & 2	Retire	7/31/2013														Units have retired
		Unit 3 & 4	Retire	7/31/2014														Units have retired
		Units 5 & 6	Retire	7/31/2015														Units have retired
		Units 7 & 8			Install Wet FGD		Effective Date	Install SCR		Effective Date								Units have retired
RC Cape May Holdings, LLC																		
B L England	New Jersey	Unit 1	Retire/Repower	05/01/14														http://www.nj.gov/dep/docs/20120613104728.pdf BL England units have retired.
		Unit 2	Retire/Repower	05/01/17	FGD			SNCR & OFA	0.42 lb/MMBtu									
First Energy																		
Harrison	West Virginia	1,3			FGD			SCR	0.25 lb/MMBtu, 30-day rolling average, Annual basis 0.20 lb/MMBtu 30-day rolling average, Ozone Season basis	5/26/2016				ESP			Harrison Units 1 and 3 installed Wet FGD and SCR Permit R13-2988A
		2							0.25 lb/MMBtu, 30-day rolling average, Annual basis	5/26/2016								Permit R13-2988A

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			Retire/Repower		SO_2 Control			NO_x Control			PM Control			Mercury Control			
			Action	Effective Date	Equipment	Percent Removal or Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	Equipment	Rate	Effective Date	
									0.20 lb/MMBtu 30-day rolling average, Ozone Season basis For Unit 2 boiler only, during the five consecutive 30 day periods of May through September 2016, preceding and during a catalyst replacement: 0.28 lb/MMBtu on a 30 day rolling average.								
Pleasants	West Virginia	1,2			FGD			SCR	0.25 lb/MMBtu, 30-day rolling average, Annual basis 0.20 lb/MMBtu 30-day rolling average, Ozone Season basis	5/26/2016				ESP			Units have retired. Appeal No. 16-01-AQB, Permit R13-3082A
PacifiCorp																	
Jim Bridger Power Plant	Wyoming	1,2	Repower to NG	Jan 1, 2024					0.12 lb/MMBtu 30-day rolling average NOX limit, a 1,314 tpy per unit NOX limit								https://wyofile.com/wp-content/uploads/2022/02/Jim-Bridger-Consent-Decree-rh-2-14-22.pdf
Xcel Energy																	
Harrington Station	Texas	1,2,3	Company shall cease burning coal at the units	January 1, 2025													AGREED ORDER DOCKET NO. 2020-0982-MIS. Agreed Order between TCEQ and Xcel