

Table 3-32 State Settlements in EPA Platform v6 Summer 2021 Reference Case

Company and Plant	State	Unit	State Enforcement Actions														Notes
			Retire/Repower		SO <sub>2</sub> Control			NO <sub>x</sub> 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	
<b>Old AES</b>																	
			If the MPC project is discontinued at Greenidge Unit 4 by 12/31/2009, Unit 4 will be subject to the following SO <sub>2</sub> 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 <sub>2</sub> emission caps: 2005 is 9500 tons, 2006 is 9250, 2007 is 9000, 2008 is 8750, 2009 is 8500 tons.														<a href="http://www.aq.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution">http://www.aq.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution</a>
Greenidge	New York	Unit 4	Update: as of May 2009, CONSOL and AES describe the Greenidge Unit 4 MPC effort as a success.														<a href="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">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</a>
									Operate SCR and SNCR	0.08	09/07/2016 – 09/06/2021	Baghouse	48.9 tpy	09/07/2016 – 09/06/2021			Greenidge Station Unit 4 is operational – fired primarily with natural gas. <a href="http://www.dec.ny.gov/dardata/boss/afsp/ermits/857360000400017_r0_1.pdf">http://www.dec.ny.gov/dardata/boss/afsp/ermits/857360000400017_r0_1.pdf</a>
	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 <sub>x</sub> emissions appear to be above the specified 0.15 lbs/MMBtu														<a href="http://www.powermag.com/print/environmental/Apply-the-fundamentals-to-improve-emissions-performance_574.html">http://www.powermag.com/print/environmental/Apply-the-fundamentals-to-improve-emissions-performance_574.html</a>
	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%				Cayuga Unit 1 has been mothballed	
	New York	Unit 2			FGD			LN Concentric Firing	Meets System Wide RACT		ESP	98%				Cayuga Unit 2 has been mothballed	
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	
<b>Entergy</b>																	
Indian Point	New York	Unit 2	Retire	04/30/2020												Indian Point unit 2 may extend its operating time if mutually agreed upon between NYS and Entergy, but must retire no later than April 30, 2024	
	New York	Unit 3	Retire	04/30/2021												Indian Point unit 3 may extend its	

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																	operating time if mutually agreed upon between NYS and Entergy, but must retire no later than April 30, 2025  Indian Point units 2 and 3 can operate until retirement without updating their existing cooling water intake technologies.  <a href="https://www.riverkeeper.org/wp-content/uploads/2017/01/Indian-Point-Closure-Agreement-January-8-2017.pdf">https://www.riverkeeper.org/wp-content/uploads/2017/01/Indian-Point-Closure-Agreement-January-8-2017.pdf</a>
<b>Niagara Mohawk Power</b>																	
			NRG shall comply with the below annual tonnage limitations for its Huntley and Dunkirk Stations: In 2005 59,537 tons of SO <sub>2</sub> and 10,777 tons of NO <sub>x</sub> , in 2006 34,230 of SO <sub>2</sub> and 6,772 of NO <sub>x</sub> , in 2007 30,859 of SO <sub>2</sub> and 6,211 of NO <sub>x</sub> , in 2008 22,733 tons of SO <sub>2</sub> and 6,211 tons of NO <sub>x</sub> , in 2009 19,444 of SO <sub>2</sub> and 5,388 of NO <sub>x</sub> , in 2010 and 2011 19,444 of SO <sub>2</sub> and 4,861 of NO <sub>x</sub> , in 2012 16,807 of SO <sub>2</sub> and 3,241 of NO <sub>x</sub> , 2013 and 14,169 of SO <sub>2</sub> and 3,241 of NO <sub>x</sub> , thereafter.														<a href="http://www.ag.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution">http://www.ag.ny.gov/press-release/governor-and-attorney-general-announce-new-yorks-largest-coal-plants-slash-pollution</a>
Huntley	New York	Units 63 – 66	Retire	Before 2008													
<b>Public Service Co. of NM</b>																	
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	All four units have installed Wet Scrubbers. Unit 1 and 4 NO <sub>x</sub> controls [SNCR] are hardwired into EPA Platform v6.	
	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		
<b>Public Service Co of Colorado</b>																	
Comanche	Colorado	Unit 1			Install and operate FGD	0.1 lbs/MMBtu combined average	07/01/09	Install low-NO <sub>x</sub> emission controls	0.15 lbs/MMBtu combined average	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 <sub>x</sub> , nor 0.10 for SO <sub>2</sub> , no later than 180 days after initial start-up of control equipment, or by 7/01/2009, whichever is earlier.		
	Colorado	Unit 2			Install and operate FGD		07/01/09	Install low-NO <sub>x</sub> emission controls		07/01/09	Install sorbent injection technology	07/01/09					
	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	<a href="http://content.sierraclub.org/coal/sites/content.sierraclub.org_coal/files/elp/docs/cc-comanche_agree-sign_2004-12-02.pdf">http://content.sierraclub.org/coal/sites/content.sierraclub.org_coal/files/elp/docs/cc-comanche_agree-sign_2004-12-02.pdf</a>		
<b>Rochester Gas &amp; Electric</b>																	
Russell Plant	New York	Units 1 – 4	Retire all units														<a href="http://www.ag.ny.gov/press-release/cuomo-announces-settlement-close-rochester-gas-electrics-coal-burning-russell-power">http://www.ag.ny.gov/press-release/cuomo-announces-settlement-close-rochester-gas-electrics-coal-burning-russell-power</a>
<b>Mirant New York</b>																	
Lovett Plant	New York	Unit 1	Retire	05/07/07													<a href="http://www.nytimes.com/2007/05/11/nyregion/11plant.html?_r=1&amp;pagewanted=print">http://www.nytimes.com/2007/05/11/nyregion/11plant.html?_r=1&amp;pagewanted=print</a>
	New York	Unit 2	Retire	04/30/08													Retirements are pursuant to a 2003 consent decree, and the plant's failure to comply with the required reductions.
<b>TVA</b>																	
Allen	Tennessee	Units 1 - 3			Remove from Service, FGD, or Retire		12/31/2018	Install SCR		Effective Date							<a href="http://www2.epa.gov/sites/production/files/documents/tvacoal-fired-cd.pdf">http://www2.epa.gov/sites/production/files/documents/tvacoal-fired-cd.pdf</a>
Bull Run	Tennessee	Unit 1			Install Wet FGD		Effective Date	Install SCR		Effective Date							

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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									
		Unit 5			Remove from Service, FGD, or Retire		12/31/2015	Install SCR		Effective Date									
Cumberland	Tennessee	Units 1 & 2			Install Wet FGD		Effective Date	Install SCR		Effective Date									
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									
John Sevier	Tennessee	Units 1 & 2	Retire	12/31/2012															
		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									
Johnsonville	Tennessee	Units 1 - 10	Retire	6 Units by 12/31/15, 4 Units by 12/31/18															
Kingston	Tennessee	Units 1 - 9			Install Wet FGD		Effective Date	Install SCR		Effective Date									
Paradise	Kentucky	Units 1 & 2			Upgrade FGD	93% Removal	12/31/2012	Install SCR		Effective Date									
		Unit 3			Install Wet FGD		Effective Date	Install SCR		Effective Date									
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									
Widows Creek	Alabama	Units 1 & 2	Retire	7/31/2013															
		Unit 3 & 4	Retire	7/31/2014															
		Units 5 & 6	Retire	7/31/2015															
		Units 7 & 8			Install Wet FGD		Effective Date	Install SCR		Effective Date									
<b>RC Cape May Holdings, LLC</b>																			
B L England	New Jersey	Unit 1	Retire/Repower	05/01/14														<a href="http://www.nj.gov/dep/docs/20120613104728.pdf">http://www.nj.gov/dep/docs/20120613104728.pdf</a>	
		Unit 2	Retire/Repower	05/01/17	FGD			SNCR & OFA	0.42 lb/MMBtu									BL England units have retired	
<b>First Energy</b>																			
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				Permit R13-2988A	

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		2							0.25 lb/MMBtu, 30-day rolling average, Annual basis  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.	5/26/2016							Permit R13-2988A
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			Appeal No. 16-01-AQB, Permit R13-3082A