

New York State Ozone Season NOx and Operating Parameters Trends

Year	Program	Operating Time	Gross Load (MW-h)	Steam Load (1000lb)	NOx Mass (tons)	Heat Input (MMBtu)	NOx Rate (lb/MMBtu)
1999	OTC	461,227	36,741,462	42,908,784	47,314	469,154,154	0.202
2000	OTC	443,427	30,564,571	48,540,940	43,547	397,012,554	0.219
2001	OTC	430,576	33,085,805	41,041,108	39,025	403,551,586	0.193
2002	OTC	438,390	31,053,186	39,949,024	38,281	393,464,090	0.195
2003	NBP	405,007	30,025,097	28,344,553	34,815	358,268,184	0.194
2004	NBP	403,502	30,790,747	30,230,404	34,157	359,701,729	0.190
2005	NBP	444,388	39,120,040	24,314,557	36,633	405,276,593	0.181
2006	NBP	386,671	36,658,385	20,036,974	26,339	354,172,411	0.149
2007	NBP	356,890	35,728,134	19,800,516	24,728	340,982,934	0.145
2008	CAIROS	328,850	30,175,631	18,589,349	21,086	310,442,171	0.136
2009	CAIROS	252,350	25,474,768	11,207,910	15,045	245,964,669	0.122
2010	CAIROS	322,231	33,463,492	14,569,991	18,202	323,394,001	0.113
2011	CAIROS	295,527	30,139,292	11,403,295	15,534	282,093,067	0.110
2012	CAIROS	310,977	32,532,533	11,605,696	12,364	296,160,038	0.083
2013	CAIROS	288,769	27,821,884	12,405,440	10,778	259,801,730	0.083
2014	CAIROS	248,620	26,524,604	10,488,828	7,875	244,841,193	0.064
2015	CSNOXOS	223,708	28,367,794	4,754,917	5,603	253,191,098	0.044
2016	CSNOXOS	233,035	30,049,850	5,484,781	6,523	269,659,087	0.048
2017	CSOSG2	179,976	22,516,029	3,955,019	3,978	199,651,976	0.040
2018	CSOSG2	202,175	25,629,543	5,534,634	4,605	228,573,114	0.040
2019	CSOSG2	171,227	22,493,410	4,844,158	3,219	195,436,443	0.033
2020	CSOSG2	194,435	26,475,631	4,287,484	3,563	227,998,051	0.031

Program	Average NOx Mass (tons)	Reduction From OTC Baseline	Reduction from Previous Program
OTC	42,042		
NBP	31,334	-25%	
CAIROS	14,412	-66%	-54%
CSNOXOS	6,063	-86%	-58%
CSOSG2	3,841	-91%	-37%