

Historical Data for CT NBP Units **

Unit	Ozone Season NOx tons	Ozone Season Heat Input	Ozone Season MWhts	Ozone Season lb/MMBtu	Ozone Season lb/MWh
Cogen units & Industrial boilers					
Plant A	153.7	6,427,293	639,468	0.048	0.481
Plant B	105.2	1,556,616	129,187	0.135	1.629
Plant C **	0.9	23,826	888	0.076	2.027
Plant D (indust)	156.3	755,125	---	0.414	---
Plant E - 5 (indust)	17.8	323,509	---	0.110	---
Plant E - 8 (indust)	7.6	173,986	---	0.087	---
Plant F	3.5	298,230	?	0.023	?
	445.0	9,558,585	769,543	0.093	

"Baseline" EGUs

Plant G	1.2	2,000	91	1.200	26.264
Plant H - 2	5.0	31,432	2,480	0.318	4.033
Plant H - 3	936.6	13,101,413	1,131,214	0.143	1.656
Plant H - 4	0.4	1,108	71	0.670	10.426
Plant I - 10	1.2	2,000	69	1.200	34.879
Plant I - 11	0.9	1,500	65	1.200	27.646
Plant I - 12	1.1	1,750	72	1.200	29.330
Plant J - 7	12.9	131,235	7,711	0.196	3.341
Plant J - 8					
Plant K - 10	2.6	4,250	225	1.200	22.632
Plant L - 10	1.4	2,250	98	1.200	27.664
Plant L - 2	133.7	1,360,399	101,800	0.197	2.628
Plant L - 3	131.7	911,272	81,083	0.289	3.249
Plant L - 4	13.0	96,966	6,042	0.268	4.304
Plant M - 5	10.0	107,106	7,634	0.187	2.619
Plant M - 6	22.5	233,712	14,639	0.192	3.071
Plant N	122.6	1,607,800	153,885	0.152	1.593
Plant O - 1	51.7	674,666	48,283	0.153	2.143
Plant O - 2	99.4	1,378,466	98,015	0.144	2.029
Plant O - 3	1.9	3,248	139	1.200	28.132
Plant P	0.5	1,868	104	0.519	9.327
Plant Q - 11	1.9	4,835	387	0.803	10.026
Plant Q - 12	2.4	5,812	438	0.818	10.844
Plant Q - 13	2.7	7,144	556	0.749	9.630
Plant Q - 14	2.1	5,510	425	0.777	10.079
Plant R - 10	1.2	2,000	71	1.200	33.713
Plant S - 10	1.2	4,340	302	0.557	8.005
	1561.7	19,684,082	1,655,899	0.159	1.886

"New" EGUs

Plant T - 1 & 2	77.8	9,486,420	1,333,565	0.016	0.117
Plant U - 11	1.0	23,185	2,050	0.089	1.007
Plant U - 12	0.9	22,805	2,069	0.078	0.856
Plant U - 13	1.1	26,087	2,329	0.085	0.951
Plant U - 14	0.9	21,156	1,935	0.087	0.949
Plant V - 1	14.7	5,559,968	767,537	0.005	0.038
Plant V - 2	14.2	2,486,804	329,041	0.011	0.086
Plant V - 3	14.0	3,522,670	475,154	0.008	0.059
Plant W - 1 **	20.0	4,877,081	647,974	0.008	0.062
Plant W - 2 **	19.1	5,728,150	762,138	0.007	0.050
Plant X - 1	0.9	87,012	8,643	0.020	0.205
Plant X - 2	0.5	41,090	4,101	0.025	0.249
Plant X - 3	0.6	53,216	5,267	0.021	0.213
Plant X - 4	0.4	47,995	4,799	0.016	0.158
Plant X - 5	0.5	39,704	4,051	0.023	0.230
Plant Y - 4	4.4	10,018	619	0.884	14.304
Plant Y - 5	3.6	8,151	504	0.874	14.143
Plant Y - 6	2.7	7,224	447	0.737	11.906
	177.1	32,048,736	4,352,224	0.011	0.081
	2183.9	61,291,403	6,777,665	0.071	

Allocation Methodology Options

(allocations in tons)			
CAIR Option 1	CAIR Option 2	CAIR Option 3	CAIR Option 4
192	267	192	192
118	133	118	118
2	2	2	2
72	72	72	72
31	31	31	31
17	17	17	17
5	5	5	5
437	527	437	437
0	0	0	0
3	2	2	1
1553	1116	848	462
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
11	11	6	3
0	0	0	0
0	0	0	0
0	0	0	0
140	114	76	42
111	78	61	33
8	8	5	2
10	9	6	3
20	20	11	6
211	139	115	63
66	57	36	20
135	114	74	40
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	1	0	0
0	0	0	0
0	0	0	0
0	0	0	0
2268	1669	1240	675
2.739	2.016	1.500	0.817
100	256	372	546
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
21	111	214	314
9	48	92	134
13	69	133	194
17	93	181	265
20	109	213	311
0	1	2	4
0	0	1	2
0	1	1	2
0	1	1	2
0	0	1	2
1	1	0	0
1	1	0	0
1	1	0	0
187	696	1215	1780
0.086	0.320	0.558	0.817
152	152	152	152
3044	3044	3044	3044

For all methodology options, assume that ozone season NOx budget = 3044 tons and assume that there are no new units to draw allowances from the "new unit" set-aside pool.

CAIR Option 1:

same as under current NBP rule, except 152 tons (5%) set aside for RE/EE Cogen & Indust and New EGUs - based on heat input x applicable lb/MMBtu rate
Baseline EGUs - remainder prorated on MWh output
effective alloc. rate = 2.739 lb/MWh

CAIR Option 2:

152 tons (5%) set aside for RE/EE Cogen & Indust & New EGUs - (same as current) based on heat input x applicable lb/MMBtu rate
Baseline EGUs allocated at 0.15 lb/MMBtu to start
All leftover allowances allocated to Baseline EGUs, New EGUs and Cogens on prorated MWh basis.
effective rate = 2.016 lb/MWh for Baseline EGUs and = 0.320 lb/MWh for New EGUs

CAIR Option 3:

152 tons (5%) set aside for RE/EE Cogen & Indust - (same as current) based on heat input x applicable lb/MMBtu rate
Baseline EGUs allocated at 1.5 lb/MWh
New EGUs - remainder prorated on MWh output. **effective rate = 0.558 lb/MWh**

CAIR Option 4:

152 tons (5%) set aside for RE/EE Cogen & Indust - (same as current) based on heat input x applicable lb/MMBtu rate
Baseline EGUs and New EGUs - remainder prorated on MWh output
effective alloc. rate = 0.817 lb/MWh

** - 2005 data used for Plant C & Plant W units, 2004 data for all other units
Total CAIR budget of 3044 tons assumes upward adjustment for inclusion of smaller NBP units.

152 5% EE/RE Set-Aside
3044 3044 3044 3044