

Table C1-1: Boiler NOx Control Cost Effectiveness Summary

Boiler Capacity	Hours of Operation	Heat Release	Reduction (ton/yr)	LNB/FGR/SCR Cost	Cost Effectiveness
(MMBtu/hr)	(hr/yr)	(MMBtu/yr)	HR * (0.14-0.0107)	Total Annualized (\$/yr)	(\$/ton)
50	8760	438000	28.3167	\$186,359	\$6,581
50	6570	328500	21.237525	\$169,837	\$7,997
50	4380	219000	14.15835	\$153,315	\$10,829
50	2454	122700	7.932555	\$138,784	\$17,495
50	2190	109500	7.079175	\$140,385	\$19,831
50	876	43800	2.83167	\$127,238	\$44,934
70	8760	613200	39.64338	\$219,938	\$5,548
70	6570	459900	29.732535	\$196,986	\$6,625
70	4380	306600	19.82169	\$174,034	\$8,780
70	2190	153300	9.910845	\$151,083	\$15,244
70	1865	130550	8.4400575	\$147,677	\$17,497
70	876	61320	3.964338	\$137,312	\$34,637
80	8760	700800	45.30672	\$235,108	\$5,189
80	6570	525600	33.98004	\$211,187	\$6,215
80	4380	350400	22.65336	\$187,267	\$8,267
80	2190	175200	11.32668	\$163,346	\$14,421
80	1752	140160	9.061344	\$158,562	\$17,499
80	876	70080	4.530672	\$148,993	\$32,885
100	8760	876000	56.6334	\$250,573	\$4,424
100	6570	657000	42.47505	\$225,566	\$5,311
100	4380	438000	28.3167	\$200,558	\$7,083
100	2190	219000	14.15835	\$175,551	\$12,399
100	1480	148000	9.5682	\$167,443	\$17,500
100	876	87600	5.66334	\$160,546	\$28,348
130	8760	1138800	73.62342	\$297,078	\$4,035
130	6570	854100	55.217565	\$265,523	\$4,809
130	4380	569400	36.81171	\$233,969	\$6,356
130	2190	284700	18.405855	\$202,414	\$10,997
130	1288	167440	10.824996	\$189,418	\$17,498
130	876	113880	7.362342	\$183,482	\$24,922
150	8760	1314000	84.9501	\$316,647	\$3,727
150	6570	985500	63.712575	\$283,108	\$4,444
150	4380	657000	42.47505	\$249,569	\$5,876
150	2190	328500	21.237525	\$216,029	\$10,172

Boiler Capacity	Hours of Operation	Heat Release	Reduction (ton/yr)	LNB/FGR/SCR Cost	Cost Effectiveness
150	1182	177300	11.462445	\$200,592	\$17,500
150	876	131400	8.49501	\$195,906	\$23,061
175	8760	1533000	99.10845	\$372,937	\$3,763
175	6570	1149750	74.3313375	\$328,429	\$4,418
175	4380	766500	49.554225	\$284,383	\$5,739
175	2190	383250	24.7771125	\$240,337	\$9,700
175	1104	193200	12.49038	\$218,495	\$17,493
175	876	153300	9.910845	\$213,909	\$21,583
200	8760	1752000	113.2668	\$422,048	\$3,726
200	6570	1314000	84.9501	\$371,041	\$4,368
200	4380	876000	56.6334	\$320,035	\$5,651
200	2190	438000	28.3167	\$269,028	\$9,501
200	1074	214800	13.88682	\$243,036	\$17,501
200	876	175200	11.32668	\$238,425	\$21,050
230	8760	2014800	130.25682	\$466,090	\$3,578
230	6570	1511100	97.692615	\$407,638	\$4,173
230	4380	1007400	65.12841	\$349,147	\$5,361
230	2190	503700	32.564205	\$290,735	\$8,928
230	995	228850	14.7951525	\$258,841	\$17,495
230	876	201480	13.025682	\$255,665	\$19,628
250	8760	2190000	141.5835	\$486,814	\$3,438
250	6570	1642500	106.187625	\$426,424	\$4,016
250	4380	1095000	70.79175	\$366,035	\$5,171
250	2190	547500	35.395875	\$305,645	\$8,635
250	961	240250	15.5321625	\$271,755	\$17,496
250	876	219000	14.15835	\$269,411	\$19,028