

IPL CAIR CSP NOx Reduction Calculations																			
Eligible Units	Plant / Facility File No.	Unit ID	ORIS	NOx control project	Baseline years	Baseline Year 1 emission rate (lb/mmBtu)	Baseline Year 2 emission rate (lb/mmBtu)	Two Year Baseline Average	Year 2007 NOx Reduction Calculations				Year 2008 NOx Reduction Calculations						
									Actual Emission Rate lb/mmBtu	Annual Heat Input mmBtu	Projected Baseline Emissions	Actual Emission tons	2007 Reduction (tons)	Actual Emission Rate lb/mmBtu	Annual Heat Input mmBtu	Projected Baseline Emissions	Actual Emission tons	2008 Reduction	Total Reduction 2007-08 (tons)
IPL/Ottumwa Generating Station	90-07-001	1	6254	Smart Burn NOx control project completed 12/31/2007 (78-A-019P-S8)	2005-2006	0.347	0.32	0.3335	0.185	45465798	N/A	4206	N/A	0.143	51708122	8622	36919	4930	4930
IPL/Burlington Generating Station	29-02-003	1	1104	2002 CI/Smart Burn (in completed project) (93-A-390-S3)	2000-2001	0.194	0.178	0.186	0.151	15127079	1407	1142	265	0.155	14196092	1320	10401	280	545
IPL/Milton I. Kapp Generating Station	23-01-014	2	1048	2002 CI/Smart Burn (78-A-157-S2)	2000-2001	0.192	0.176	0.184	0.117	12288339	1131	719	412	0.122	8515770	783	5222	261	673
IPL/Sixth Street Generating Station	54-01-040		1058																
Boiler#6		3		8/7/2002-2004 low NOx burner installed (02-A-404-P)	2000-2001	0.378	0.423	0.401	0.241	829921	166	100	66	0.250	361635	72	446	28	94
Boiler#8		4		8/7/2002-2004 low NOx burner installed (02-A-405-P)	2000-2001	0.454	0.378	0.416	0.267	816668	170	109	61	0.296	515754	107	753	32	93
Boiler#9/10		5		8/7/2002-2004 low NOx burner installed (02-A-406-P)	2000-2001	0.749	0.757	0.753	0.185	2115171	796	196	601	0.140	759794	286	528	233	834
IPL/Sutherland Generating Station	64-01-012		1077																
Boiler#1		1		2003 low NOx burners installed (75-A-229-S2)	2001-2002	0.593	0.547	0.570	0.306	3363838	959	515	444	0.321	2774889	791	4478	343	787
Boiler#2		2		2003 low NOx burners installed (75-A-230-S2)	2001-2002	0.487	0.531	0.509	0.272	3525093	897	479	418	0.252	3098188	788	3924	396	814
													IPL Total NOx Reductions:		8770				