

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL						
1	Revised Embrittlement Database 08/23/2004 E. D. Eason										Version 8-04										Including corrections from 6-04 E10.02.02 meeting, emails from B. Hall, S. Byrne, W. Server (Burgos), and R. Lott (Stan Anderson)															
2	Includes calibration dataset from 05/00, outliers from NUREG 6551 and 7/00 models, new points from NewEmbrittlementDatabase.xls (received from Stan Rosinski 7/10/03), and additional new 5/04 points from completeness check																																			
3	Key to color coding, revision history, and important notes are given below the data																																			
4	PRE-DECISIONAL - NOT FOR DISTRIBUTION																																			
5	Dataset	MAT_ID	PLANT	I	REAC	CAPS	HEAT_ID	PROD	FLUX	SPEC	Hrs_use	CAP_F1	Flux_used	Tc	UTT30	ITT30	DTT30	C	MN	MnGen	P	S	SI	NI	CR	MO	CU	VESSEL_MFG	Reference							
6	NRG6551A5083	BD1	PWR	U		FBD101	F	LT	9639	3.70E+18	1.07E+11	551.0	-66.00	-60.00	6.00	0.213	1.207	1.207	0.009	0.010	0.300	0.736	0.108	0.494	0.046	Babcock & Wilcox										
7	NRG6551A5083	BD1	PWR	X		FBD101	F	LT	37080	1.14E+19	8.54E+10	551.0	-66.00	-36.00	30.00	0.213	1.207	1.207	0.009	0.010	0.300	0.736	0.108	0.494	0.046	Babcock & Wilcox										
8	7-03P	A5083	BD1	PWR	W	FBD101	F	LT	66664	2.09E+19	8.71E+10	551.0	-66.00	-51.51	14.49	0.213	1.207	1.207	0.009	0.010	0.300	0.736	0.108	0.494	0.046	Babcock & Wilcox	[8]									
9																																				
10	NRG6551A5083	BD1	PWR	U		FBD101	F	TL	9639	3.70E+18	1.07E+11	551.0	-44.00	-69.00	-25.00	0.213	1.207	1.207	0.009	0.010	0.300	0.736	0.108	0.494	0.046	Babcock & Wilcox										
11	NRG6551A5083	BD1	PWR	X		FBD101	F	TL	37080	1.14E+19	8.54E+10	551.0	-44.00	-18.00	26.00	0.213	1.207	1.207	0.009	0.010	0.300	0.736	0.108	0.494	0.046	Babcock & Wilcox										
12	7-03P	A5083	BD1	PWR	W	FBD101	F	TL	66664	2.09E+19	8.71E+10	551.0	-44.08	-9.63	34.45	0.213	1.207	1.207	0.009	0.010	0.300	0.736	0.108	0.494	0.046	Babcock & Wilcox	[8]									
13																																				
14	NRG6551A5083	BD2	PWR	U		FBD201	F	LT	10056	3.85E+18	1.06E+11	558.0	-15.00	-27.00	-12.00	0.230	1.340	1.340	0.012	0.006	0.290	0.787	0.087	0.525	0.057	Babcock & Wilcox										
15	5-00Calib	A5083	BD2	PWR	X	FBD201	F	LT	36880	1.13E+19	8.51E+10	558.0	-15.00	-19.00	-5.00	0.230	1.340	1.340	0.012	0.006	0.290	0.787	0.087	0.525	0.057	Babcock & Wilcox										
16	7-03P	A5083	BD2	PWR	W	FBD201	F	LT	74723	2.25E+19	8.36E+10	558.0	-15.00	-9.36	5.64	0.230	1.340	1.340	0.012	0.006	0.290	0.787	0.087	0.525	0.057	Babcock & Wilcox	[9]									
17																																				
18	NRG6551A5083	BD2	PWR	U		FBD201	F	TL	10056	3.85E+18	1.06E+11	558.0	-21.00	-20.00	1.00	0.230	1.340	1.340	0.012	0.006	0.290	0.787	0.087	0.525	0.057	Babcock & Wilcox										
19	5-00Calib	A5083	BD2	PWR	X	FBD201	F	TL	36880	1.13E+19	8.51E+10	558.0	-21.00	13.00	34.00	0.230	1.340	1.340	0.012	0.006	0.290	0.787	0.087	0.525	0.057	Babcock & Wilcox										
20	7-03P	A5083	BD2	PWR	W	FBD201	F	TL	74723	2.25E+19	8.36E+10	558.0	-21.00	12.42	33.42	0.230	1.340	1.340	0.012	0.006	0.290	0.787	0.087	0.525	0.057	Babcock & Wilcox	[9]									
21																																				
22	7-03B-OCA	A5082	OYS	BWR	H	FBWEPR	F	TL	27384	1.60E+18	1.62E+10	530.0	-29.91	-22.67	7.24	####	####	0.781	0.006	0.012	0.250	0.750	#####	#####	0.040	Babcock & Wilcox	[1]									
23																																				
24	NRG6551A5082	BY1	PWR	U		FBY101	F	LT	10083	3.72E+18	1.02E+11	551.0	-86.00	-60.00	26.00	0.198	0.684	0.684	0.005	0.010	0.256	0.761	0.350	0.562	0.033	Babcock & Wilcox										
25	NRG6551A5082	BY1	PWR	X		FBY101	F	LT	49444	1.39E+19	7.81E+10	551.0	-86.00	-56.00	30.00	0.198	0.684	0.684	0.005	0.010	0.256	0.761	0.350	0.562	0.033	Babcock & Wilcox										
26	5-00Calib	A5082	BY1	PWR	W	FBY101	F	LT	80998	2.41E+19	8.26E+10	551.0	-85.59	-26.02	60.00	0.198	0.684	0.684	0.005	0.010	0.256	0.761	0.350	0.562	0.033	Babcock & Wilcox										
27																																				
28	NRG6551A5082	BY1	PWR	U		FBY101	F	TL	10083	3.72E+18	1.02E+11	551.0	-70.00	-50.00	20.00	0.198	0.684	0.684	0.005	0.010	0.256	0.761	0.350	0.562	0.033	Babcock & Wilcox										
29	NRG6551A5082	BY1	PWR	X		FBY101	F	TL	49444	1.39E+19	7.81E+10	551.0	-70.00	-16.00	54.00	0.198	0.684	0.684	0.005	0.010	0.256	0.761	0.350	0.562	0.033	Babcock & Wilcox										
30	5-00Calib	A5082	BY1	PWR	W	FBY101	F	TL	80998	2.41E+19	8.26E+10	551.0	-69.64	-36.95	33.00	0.198	0.684	0.684	0.005	0.010	0.256	0.761	0.350	0.562	0.033	Babcock & Wilcox										
31																																				
32	NRG6551A5083	BY2	PWR	U		FBY201	F	LT	10111	3.93E+18	1.08E+11	551.0	-32.00	-33.00	-1.00	0.124	1.266	1.266	0.009	0.011	0.361	0.704	0.072	0.417	0.053	Babcock & Wilcox										
33	NRG6551A5083	BY2	PWR	W		FBY201	F	LT	40587	1.21E+19	8.28E+10	551.0	-32.00	-30.00	2.00	0.124	1.266	1.266	0.009	0.011	0.361	0.704	0.072	0.417	0.053	Babcock & Wilcox										
34	5-00Calib	A5083	BY2	PWR	X	FBY201	F	LT	75125	2.16E+19	7.99E+10	551.0	-32.22	-15.25	17.00	0.124	1.266	1.266	0.009	0.011	0.361	0.704	0.072	0.417	0.053	Babcock & Wilcox										
35																																				
36	NRG6551A5083	BY2	PWR	U		FBY201	F	TL	10111	3.93E+18	1.08E+11	551.0	-42.00	-22.00	20.00	0.124	1.266	1.266	0.009	0.011	0.361	0.704	0.072	0.417	0.053	Babcock & Wilcox										
37	NRG6551A5083	BY2	PWR	W		FBY201	F	TL	40587	1.21E+19	8.28E+10	551.0	-42.00	-13.00	29.00	0.124	1.266	1.266	0.009	0.011	0.361	0.704	0.072	0.417	0.053	Babcock & Wilcox										
38	5-00Calib	A5083	BY2	PWR	X	FBY201	F	TL	75125	2.16E+19	7.99E+10	551.0	-41.94	-2.30	40.00	0.124	1.266	1.266	0.009	0.011	0.361	0.704	0.072	0.417	0.053	Babcock & Wilcox										
39																																				
40	NRG6551A5082	CB1	PWR	Z		FCB101	F	LT	6944	3.32E+18	1.33E+11	562.0	-4.00	-24.00	-21.00	0.204	0.725	0.725	0.008	0.009	0.292	0.845	0.399	0.580	0.090	Rotterdamse Droogdok Madtdschappij (Netherland										
41	5-00Calib	A5082	CB1	PWR	Y	FCB101	F	LT	43611	1.35E+19	8.60E+10	560.0	-3.88	11.00	15.00	0.204	0.725	0.725	0.008	0.009	0.292	0.845	0.399	0.580	0.090	Rotterdamse Droogdok Madtdschappij (Netherland										
42	5-00Calib	A5082	CB1	PWR	V	FCB101	F	LT	81436	2.11E+19	7.20E+10	562.0	-3.88	24.69	29.00	0.204	0.725	0.725	0.008	0.009	0.292	0.845	0.399	0.580	0.090	Rotterdamse Droogdok Madtdschappij (Netherland										
43																																				
44	NRG6551A5082	CB1	PWR	Z		FCB101	F	TL	6944	3.32E+18	1.33E+11	562.0	-16.00	-2.00	14.00	0.204	0.725	0.725	0.008	0.009	0.292	0.845	0.399	0.580	0.090	Rotterdamse Droogdok Madtdschappij (Netherland										
45	5-00Calib	A5082	CB1	PWR	Y	FCB101	F	TL	43611	1.35E+19	8.60E+10	560.0	-16.06	29.00	45.00	0.204	0.725	0.725	0.008	0.009	0.292	0.845	0.399	0.580	0.090	Rotterdamse Droogdok Madtdschappij (Netherland										
46	5-00Calib	A5082	CB1	PWR	V	FCB101	F	TL	81436	2.11E+19	7.20E+10																									

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
66																														
67	NRG6551A5082	KWE	PWR	V		FKWE01	F		LT	11278	6.08E+18	1.50E+11	532.0	-34.00	-10.00	24.00	0.210	0.690	0.690	0.010	0.011	0.250	0.710	0.400	0.580	0.060	Combustion Engineering			
68	NRG6551A5082	KWE	PWR	R		FKWE01	F		LT	40556	1.90E+19	1.30E+11	532.0	-34.00	-19.00	15.00	0.210	0.690	0.690	0.010	0.011	0.250	0.710	0.400	0.580	0.060	Combustion Engineering			
69	NRG6551A5082	KWE	PWR	P		FKWE01	F		LT	97500	2.84E+19	8.09E+10	532.0	-34.00	15.00	49.00	0.210	0.690	0.690	0.010	0.011	0.250	0.710	0.400	0.580	0.060	Combustion Engineering			
70	NRG6551A5082	KWE	PWR	S		FKWE01	F		LT	142009	3.45E+19	6.75E+10	532.0	-34.00	24.00	58.00	0.210	0.690	0.690	0.010	0.011	0.250	0.710	0.400	0.580	0.060	Combustion Engineering			
71																														
72	NRG6551A5082	KWE	PWR	V		FKWE02	F		LT	11278	6.08E+18	1.50E+11	532.0	-71.00	-54.00	18.00	0.200	0.790	0.790	0.010	0.009	0.280	0.750	0.350	0.580	0.060	Combustion Engineering			
73	NRG6551A5082	KWE	PWR	R		FKWE02	F		LT	40556	1.90E+19	1.30E+11	532.0	-71.00	-36.00	35.00	0.200	0.790	0.790	0.010	0.009	0.280	0.750	0.350	0.580	0.060	Combustion Engineering			
74	NRG6551A5082	KWE	PWR	P		FKWE02	F		LT	97500	2.84E+19	8.09E+10	532.0	-71.00	-25.00	46.00	0.200	0.790	0.790	0.010	0.009	0.280	0.750	0.350	0.580	0.060	Combustion Engineering			
75	NRG6551A5082	KWE	PWR	S		FKWE02	F		LT	142009	3.45E+19	6.75E+10	532.0	-71.00	-13.00	59.00	0.200	0.790	0.790	0.010	0.009	0.280	0.750	0.350	0.580	0.060	Combustion Engineering			
76																														
77	NRG6551A5082	MC2	PWR	V		FMC201	F		LT	9000	3.33E+18	1.03E+11	558.0	-74.00	-12.00	63.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
78	NRG6551A5082	MC2	PWR	X		FMC201	F		LT	36389	1.46E+19	1.11E+11	558.0	-74.00	19.00	93.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
79	NRG6551A5082	MC2	PWR	U		FMC201	F		LT	53056	2.00E+19	1.05E+11	558.0	-74.00	13.00	87.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
80	5-00Calib A5082	MC2	PWR	W		FMC201	F		LT	82751	2.97E+19	9.97E+10	558.0	-74.21	19.01	93.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
81																														
82	NRG6551A5082	MC2	PWR	V		FMC201	F		TL	9000	3.33E+18	1.03E+11	558.0	-19.00	39.00	58.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
83	NRG6551A5082	MC2	PWR	X		FMC201	F		TL	36389	1.46E+19	1.11E+11	558.0	-19.00	72.00	92.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
84	NRG6551A5082	MC2	PWR	U		FMC201	F		TL	53056	2.00E+19	1.05E+11	558.0	-19.00	65.00	84.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
85	5-00Calib A5082	MC2	PWR	W		FMC201	F		TL	82751	2.97E+19	9.97E+10	558.0	-19.30	111.59	131.00	0.181	0.686	0.686	0.012	0.015	0.179	0.780	0.414	0.592	0.154	Rotterdamse Droogdok Madtdschappij (Netherland			
86																														
87	NRG6551A5082	NA1	PWR	V		FNA101	F		LT	9444	2.63E+18	7.74E+10	550.0	-2.00	47.00	49.00	0.195	0.703	0.703	0.019	0.013	0.240	0.828	0.326	0.637	0.156	Rotterdamse Droogdok Madtdschappij (Netherland			
88	NRG6551A5082	NA1	PWR	U		FNA101	F		LT	49722	8.72E+18	4.87E+10	553.0	-2.00	110.00	112.00	0.195	0.703	0.703	0.019	0.013	0.240	0.828	0.326	0.637	0.156	Rotterdamse Droogdok Madtdschappij (Netherland			
89	7-03P A5082	NA1	PWR	W		FNA101	F		LT	129336	2.05E+19	4.41E+10	553.4	-1.71	89.68	91.39	0.195	0.703	0.703	0.019	0.013	0.240	0.828	0.326	0.637	0.156	Rotterdamse Droogdok Madtdschappij (Netherland			
90																														
91	NRG6551A5082	NA1	PWR	V		FNA101	F		TL	9444	2.63E+18	7.74E+10	550.0	40.00	69.00	29.00	0.195	0.703	0.703	0.019	0.013	0.240	0.828	0.326	0.637	0.156	Rotterdamse Droogdok Madtdschappij (Netherland			
92	NRG6551A5082	NA1	PWR	U		FNA101	F		TL	49722	8.72E+18	4.87E+10	553.0	40.00	112.00	72.00	0.195	0.703	0.703	0.019	0.013	0.240	0.828	0.326	0.637	0.156	Rotterdamse Droogdok Madtdschappij (Netherland			
93	7-03P A5082	NA1	PWR	W		FNA101	F		TL	129336	2.05E+19	4.41E+10	553.4	40.17	135.78	95.61	0.195	0.703	0.703	0.019	0.013	0.240	0.828	0.326	0.637	0.156	Rotterdamse Droogdok Madtdschappij (Netherland			
94																														
95	NRG6551A5082	NA2	PWR	V		FNA201	F		LT	8722	2.46E+18	7.83E+10	550.0	-22.00	-10.00	12.00	0.190	0.715	0.715	0.018	0.013	0.230	0.860	0.345	0.615	0.110	Rotterdamse Droogdok Madtdschappij (Netherland			
96	NRG6551A5082	NA2	PWR	U		FNA201	F		LT	53333	9.80E+18	5.10E+10	554.0	-22.00	13.00	35.00	0.190	0.715	0.715	0.018	0.013	0.230	0.860	0.345	0.615	0.110	Rotterdamse Droogdok Madtdschappij (Netherland			
97	7-03P A5082	NA2	PWR	W		FNA201	F		LT	134160	2.09E+19	4.33E+10	554.5	-22.12	57.36	79.48	0.190	0.715	0.715	0.018	0.013	0.230	0.860	0.345	0.615	0.110	Rotterdamse Droogdok Madtdschappij (Netherland			
98																														
99	NRG6551A5082	NA2	PWR	V		FNA201	F		TL	8722	2.46E+18	7.83E+10	550.0	54.00	69.00	15.00	0.190	0.715	0.715	0.018	0.013	0.230	0.860	0.345	0.615	0.110	Rotterdamse Droogdok Madtdschappij (Netherland			
100	NRG6551A5082	NA2	PWR	U		FNA201	F		TL	53333	9.80E+18	5.10E+10	554.0	54.00	120.00	66.00	0.190	0.715	0.715	0.018	0.013	0.230	0.860	0.345	0.615	0.110	Rotterdamse Droogdok Madtdschappij (Netherland			
101	7-03P A5082	NA2	PWR	W		FNA201	F		TL	134160	2.09E+19	4.33E+10	554.5	54.07	119.92	65.85	0.190	0.715	0.715	0.018	0.013	0.230	0.860	0.345	0.615	0.110	Rotterdamse Droogdok Madtdschappij (Netherland			
102																														
103	NRG6551A5082	OC2	PWR	C		FOC201	F		LT	10561	1.02E+18	2.68E+10	556.0	-26.00	-3.00	24.00	0.240	0.630	0.630	0.006	0.012	0.250	0.750	0.360	0.620	0.040	Babcock & Wilcox			
104	NRG6551A5082	OC2+CR:	PWR	A		FOC201	F		LT	18672	3.37E+18	5.01E+10	556.0	-26.00	-33.00	-7.00	0.240	0.630	0.630	0.006	0.012	0.250	0.750	0.360	0.620	0.040	Babcock & Wilcox			
105	NRG6551A5082	OC2+CR:	PWR	E		FOC201	F		LT	55584	1.21E+19	6.05E+10	556.0	-26.00	-8.00	18.00	0.240	0.630	0.630	0.006	0.012	0.250	0.750	0.360	0.620	0.040	Babcock & Wilcox			
106																														
107	NRG6551A5082	OC2+CR:	PWR	A		FOC201	F		TL	18672	3.37E+18	5.01E+10	556.0	-30.00	-27.00	4.00	0.240	0.630	0.630	0.006	0.012	0.250	0.750	0.360	0.620	0.040	Babcock & Wilcox			
108	NRG6551A5082	OC2+CR:	PWR	E		FOC201	F		TL	55584	1.21E+19	6.05E+10	556.0	-30.00	-22.00	8.00	0.240	0.630	0.630	0.006	0.012	0.250	0.750	0.360	0.620	0.040	Babcock & Wilcox			
109																														
110	NRG6551A5082	OC3	PWR	A		FOC301	F		LT	8286	8.05E+17	2.70E+10	556.0	3.00	15.00	12.00	0.240	0.720	0.720	0.014	0.012	0.210	0.760	0.340	0.620	0.020	Babcock & Wilcox			
111																														
112	NRG6551A5082	OC3	PWR	A		FOC301	F		TL	8286	8.05E+17	2.70E+10	556.0	-2.00	6.00	7.00	0.240	0.720	0.720	0.014	0.012	0.210	0.760	0.340	0.620	0.020	Babcock & Wilcox			
113	NRG6551A5082	OC3+CR:	PWR	B		FOC301	F		TL	16392	3.12E+18	5.29E+10	556.0	-2.00	2.00	4.00	0.240	0.720	0.720	0.014	0.012	0.210	0.760	0.340	0.620	0.020	Babcock & Wilcox			
114	NRG6551A5082	OC3+CR:	PWR	D		FOC301	F		TL	68443	1.45E+19	5.88E+10	556.0	-2.00	21.00	22.00	0.240	0.720	0.720	0.014	0.012	0.210	0.760	0.340	0.620	0.020	Babcock & Wilcox			
115																														
116	NRG6551A5082	OC3	PWR	A		FOC302	F		TL	8286	8.05E+17	2.70E+10	556.0	1.00	53.00	52.00	0.210	0.5												

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
131	NRG6551A5083	P1I		PWR	P	FPI101	F		LT	50278	1.46E+19	8.07E+10	527.0	-35.00	-14.00	21.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
132	NRG6551A5083	P1I		PWR	R	FPI101	F		LT	75000	3.95E+19	1.46E+11	527.0	-35.00	57.00	92.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
133	5-00Calib A5083	P1I		PWR	S	FPI101	F		LT	158840	4.02E+19	7.03E+10	527.0	-35.22	60.17	95.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
134																														
135	NRG6551A5083	P1I		PWR	V	FPI101	F		TL	11722	5.40E+18	1.28E+11	527.0	-26.00	18.00	44.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
136	NRG6551A5083	P1I		PWR	P	FPI101	F		TL	50278	1.46E+19	8.07E+10	527.0	-26.00	4.00	31.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
137	NRG6551A5083	P1I		PWR	R	FPI101	F		TL	75000	3.95E+19	1.46E+11	527.0	-26.00	55.00	81.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
138	5-00Calib A5083	P1I		PWR	S	FPI101	F		TL	158840	4.02E+19	7.03E+10	527.0	-26.39	43.38	70.00	0.170	1.410	1.410	0.013	0.005	0.280	0.720	0.170	0.480	0.060	Societe des Forges et Ateliers du Creusot			
139																														
140	NRG6551A5083	P12		PWR	V	FPI201	F		LT	12222	5.78E+18	1.31E+11	527.0	-24.00	14.00	38.00	0.174	1.215	1.215	0.011	0.012	0.272	0.697	0.144	0.458	0.077	Societe des Forges et Ateliers du Creusot			
141	NRG6551A5083	P12		PWR	T	FPI201	F		LT	36111	1.09E+19	8.38E+10	527.0	-24.00	28.00	51.00	0.174	1.215	1.215	0.011	0.012	0.272	0.697	0.144	0.458	0.077	Societe des Forges et Ateliers du Creusot			
142	NRG6551A5083	P12		PWR	R	FPI201	F		LT	77222	4.05E+19	1.46E+11	527.0	-24.00	62.00	86.00	0.174	1.215	1.215	0.011	0.012	0.272	0.697	0.144	0.458	0.077	Societe des Forges et Ateliers du Creusot			
143	5-00Calib A5083	P12		PWR	P	FPI201	F		LT	151126	4.17E+19	7.66E+10	527.0	-23.87	70.55	94.00	0.174	1.215	1.215	0.011	0.012	0.272	0.697	0.144	0.458	0.077	Societe des Forges et Ateliers du Creusot			
144																														
145	NRG6551A5083	P12		PWR	V	FPI201	F		TL	12222	5.78E+18	1.31E+11	527.0	-1.00	36.00	36.00	0.174	1.215	1.215	0.011	0.012	0.272	0.697	0.144	0.458	0.077	Societe des Forges et Ateliers du Creusot			
146	NRG6551A5083	P12		PWR	T	FPI201	F		TL	36111	1.09E+19	8.38E+10	527.0	-1.00	29.00	29.00	0.174	1.215	1.215	0.011	0.012	0.272	0.697	0.144	0.458	0.077	Societe des Forges et Ateliers du Creusot			
147																														

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
196	NRG6551A533B1	AN1+DB1	PWR	B	PAN102	P		LT		17256	4.28E+18	6.89E+10	556.0	-9.00	13.00	22.00	0.210	1.320	1.320	0.010	0.016	0.200	0.520	0.190	0.570	0.150	Babcock & Wilcox			
197																														
198	NRG6551A533B1	AN1+DB1	PWR	B	PAN102	P		TL		17256	4.28E+18	6.89E+10	556.0	14.00	9.00	-5.00	0.210	1.320	1.320	0.010	0.016	0.200	0.520	0.190	0.570	0.150	Babcock & Wilcox			
199																														
200	NRG6551A533B1	AN2	PWR	W97	PAN201	P		LT		14815	3.41E+18	6.39E+10	553.0	4.00	25.00	21.00	0.220	1.400	1.400	0.013	0.011	0.210	0.561	0.150	0.630	0.078	Combustion Engineering			
201																														
202	NRG6551A533B1	AN2	PWR	W97	PAN201	P		TL		14815	3.33E+18	6.24E+10	553.0	12.00	51.00	38.00	0.220	1.400	1.400	0.013	0.011	0.210	0.561	0.150	0.630	0.078	Combustion Engineering			
203	7-03P	A533B1	AN2	PWR	w104	PAN201	P	TL		137424	2.94E+19	5.94E+10	553.0	12.49	76.53	64.04	0.220	1.400	1.400	0.013	0.011	0.210	0.561	0.150	0.630	0.078	Combustion Engineering			
204																														
205	NRG6551A302BM	BF2	BWR	30D	PBF201	P		LT		79299	1.52E+17	5.32E+08	528.0	-40.00	-13.00	27.00	0.200	1.350	1.350	0.007	0.011	0.190	0.550	#####	0.490	0.140	Babcock & Wilcox			
206																														
207	NRG6551A302B	BR	BWa	119	PBR_01	P		TL		6578	1.50E+18	6.33E+10	570.0	5.00	-20.00	-25.00	0.300	1.420	1.420	0.016	0.018	0.250	0.180	0.130	0.510	0.100	Combustion Engineering			
208	NRG6551A302B	BR	BWa	122	PBR_01	P		TL		6578	2.30E+19	9.71E+11	570.0	5.00	72.00	67.00	0.300	1.420	1.420	0.016	0.018	0.250	0.180	0.130	0.510	0.100	Combustion Engineering			
209	NRG6551A302B	BR	BWa	124	PBR_01	P		TL		18290	1.07E+20	1.63E+12	570.0	5.00	156.00	151.00	0.300	1.420	1.420	0.016	0.018	0.250	0.180	0.130	0.510	0.100	Combustion Engineering			
210	NRG6551A302B	BR	BWa	127	PBR_01	P		TL		26114	7.10E+18	7.55E+10	570.0	5.00	61.00	56.00	0.300	1.420	1.420	0.016	0.018	0.250	0.180	0.130	0.510	0.100	Combustion Engineering			
211	NRG6551A302B	BR	BWa	125	PBR_01	P		TL		75556	2.27E+19	8.35E+10	570.0	5.00	110.00	105.00	0.300	1.420	1.420	0.016	0.018	0.250	0.180	0.130	0.510	0.100	Combustion Engineering			
212																														
213	NRG6551A533B1	BV1	PWR	V	PBV101	P		LT		10167	2.81E+18	7.68E+10																		

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
261																														
262	NRG6551A533B1	CK1	PWR	T	PCK101	P		LT	11111	2.69E+18	6.73E+10	537.0	8.00	67.00	58.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
263	NRG6551A533B1	CK1	PWR	X	PCK101	P		LT	29722	8.13E+18	7.60E+10	537.0	8.00	94.00	86.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
264	NRG6551A533B1	CK1	PWR	Y	PCK101	P		LT	43333	1.23E+19	7.88E+10	537.0	8.00	106.00	97.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
265	NRG6551A533B1	CK1	PWR	U	PCK101	P		LT	80556	1.77E+19	6.10E+10	537.0	8.00	114.00	106.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
266																														
267	NRG6551A533B1	CK1	PWR	T	PCK101	P		TL	11111	2.69E+18	6.73E+10	537.0	20.00	81.00	60.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
268	NRG6551A533B1	CK1	PWR	X	PCK101	P		TL	29722	8.13E+18	7.60E+10	537.0	20.00	125.00	105.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
269	NRG6551A533B1	CK1	PWR	Y	PCK101	P		TL	43333	1.23E+19	7.88E+10	537.0	20.00	130.00	110.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
270	NRG6551A533B1	CK1	PWR	U	PCK101	P		TL	80556	1.77E+19	6.10E+10	537.0	20.00	115.00	94.00	0.240	1.400	1.400	0.009	0.009	0.250	0.490	0.068	0.460	0.140	Combustion Engineering				
271																														
272	NRG6551A533B1	CK2	PWR	T	PCK201	P		LT	9444	2.18E+18	6.41E+10	542.0	25.00	81.00	56.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
273	NRG6551A533B1	CK2	PWR	Y	PCK201	P		LT	28333	6.62E+18	6.49E+10	542.0	25.00	107.00	82.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
274	NRG6551A533B1	CK2	PWR	X	PCK201	P		LT	46111	1.03E+19	6.20E+10	542.0	25.00	116.00	91.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
275	NRG6551A533B1	CK2	PWR	U	PCK201	P		LT	75833	1.50E+19	5.49E+10	542.0	25.00	121.00	96.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
276																														
277	NRG6551A533B1	CK2	PWR	T	PCK201	P		TL	9444	2.18E+18	6.41E+10	542.0	25.00	103.00	78.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
278	NRG6551A533B1	CK2	PWR	Y	PCK201	P		TL	28333	6.62E+18	6.49E+10	542.0	25.00	127.00	102.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
279	NRG6551A533B1	CK2	PWR	X	PCK201	P		TL	46111	1.03E+19	6.20E+10	542.0	25.00	137.00	112.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
280	NRG6551A533B1	CK2	PWR	U	PCK201	P		TL	75833	1.50E+19	5.49E+10	542.0	25.00	162.00	137.00	0.215	1.285	1.285	0.017	0.014	0.215	0.580	0.072	0.525	0.110	Chicago Bridge and Iron				
281																														
282	NRG6551A533B1	CL1	PWR	U	PCL101	P		LT	9222	3.47E+18	1.05E+11	558.0	-2.00	-5.00	-3.00	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engineering				
283	NRG6551A533B1	CL1	PWR	Y	PCL101	P		LT	40278	1.30E+19	8.97E+10	558.0	-2.00	20.00	22.00	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engineering				
284	5-04	A533B1	CL1	PWR	V	PCL101	P	LT	86345	2.36E+19	7.59E+10	559.0	-1.74	13.33	15.07	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engine [27]				
285	7-03P	A533B1	CL1	PWR	X	PCL101	P	LT	108624	3.33E+19	8.52E+10	559.0	-1.74	22.65	24.39	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engine [10]				
286																														
287	NRG6551A533B1	CL1	PWR	U	PCL101	P		TL	9222	3.47E+18	1.05E+11	558.0	-17.00	9.00	26.00	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engineering				
288	NRG6551A533B1	CL1	PWR	Y	PCL101	P		TL	40278	1.30E+19	8.97E+10	558.0	-17.00	28.00	45.00	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engineering				
289	5-04	A533B1	CL1	PWR	V	PCL101	P	TL	86345	2.36E+19	7.59E+10	559.0	-17.18	28.42	45.60	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engine [27]				
290	7-03P	A533B1	CL1	PWR	X	PCL101	P	TL	108624	3.33E+19	8.52E+10	559.0	-17.18	11.39	28.57	0.225	1.395	1.395	0.006	0.015	0.235	0.570	0.055	0.530	0.065	Combustion Engine [10]				
291																														
292	NRG6551A533B1	COF	BWR	3D	PCOF01	P		TL	49646	8.40E+17	4.70E+09	533.0	-49.00	-31.00	18.00	####	1.480	1.480	0.005	####	0.240	0.600	####	0.580	0.029	-999				
293																														
294	5-00Calib A533B1	CP1	PWR	U	PCP101	P		LT	7972	3.53E+18	1.23E+11	558.0	-20.37	-12.00	8.00	####	1.360	1.360	0.006	####	####	0.590	####	####	0.050	Combustion Engineering				
295	5-00Calib A533B1	CP1	PWR	Y	PCP101	P		LT	54700	1.60E+19	8.13E+10	558.0	-20.37	-12.63	8.00	####	1.360	1.360	0.006	####	####	0.590	####	####	0.050	Combustion Engineering				
296																														
297	5-00Calib A533B1	CP1	PWR	U	PCP101	P		TL	7972	3.53E+18	1.23E+11	558.0	1.94	22.00	20.00	####	1.360	1.360	0.006	####	####	0.590	####	####	0.050	Combustion Engineering				
298	5-00Calib A533B1	CP1	PWR	Y	PCP101	P		TL	54700	1.60E+19	8.13E+10	558.0	1.94	26.95	25.00	####	1.360	1.360	0.006	####	####	0.590	####	####	0.050	Combustion Engineering				
299																														
300	5-00Calib A533B1	CP2	PWR	U	PCP201	P		LT	7924	3.28E+18	1.15E+11	560.0	-8.00	-8.00	0.00	0.220	1.380	1.380	0.014	0.015	0.245	0.620	0.048	0.585	0.065	Combustion Engineering				
301																														
302	5-00Calib A533B1	CP2	PWR	U	PCP201	P		TL	7924	3.28E+18	1.15E+11	560.0	-12.00	11.00	24.00	0.220	1.380	1.380	0.014	0.015	0.245	0.620	0.048	0.585	0.065	Combustion Engineering				
303																														
304	NRG6551A533B1	CPR	BWR	30D	PCPR01	P		LT	59528	2.40E+17	1.12E+09	527.0	-54.00	10.00	64.00	0.230	1.278	1.278	0.009	0.014	0.200	0.758	0.110	0.496	0.210	Combustion Engineering				
305	NRG6551A533B1	CPR	BWR	300D	PCPR01	P		LT	98179	2.80E+17	7.92E+08	527.0	-54.00	8.00	62.00	0.230	1.278	1.278	0.009	0.014	0.200	0.758	0.110	0.496	0.210	Combustion Engineering				
306																														
307	7-03B-OC A533B1	OYS	BWR	G	PCPR02	P		TL	27384	1.74E+18	1.77E+10	530.0	-12.80	75.54	88.34	0.230	1.410	1.410	0.014	0.020	0.240	0.620	####	0.450	0.160	Combustion Engine [1], [50]				
308	7-03B-OC A533B1	OYS	BWR	D	PCPR02	P		TL	27390	1.13E+18	1.15E+10	530.0	-12.80	48.33	61.13	0.230	1.410	1.410	0.014	0.020	0.240	0.620	####	0.450	0.160	Combustion Engine [1], [50]				
309	7-03B-OC A533B1	OYS	BWR	E	PCPR02	P		TL	57616	1.72E+18	8.29E+09	530.0	-12.80	61.58	74.38	0.230	1.410	1.410	0.014	0.020	0.240	0.620	####	0.450	0.160	Combustion Engine [2], [50]				
310	7-03B-OC A533B1	OYS	BWR	I	PCPR02	P		TL	57617	2.71E+18	1.31E+10	530.0	-12.80	79.34	92.14	0.230	1.410	1.410	0.014	0.020	0.240	0.620	####	0.450	0.160	Combustion Engine [2], [50]				
311																														
312	NRG6551A533B1	CR3	PWR	B	PCR301	P		TL	6451	1.05E+18	4.52E+10	556.0	17.00	56.00	39.00	0.230	1.300	1.300	0.008	0.016	0.220	0.540	0.110	0.550	0.200	Babcock & Wilcox				

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
326	NRG6551A302B	CTY	PWR	H		PCTY07	P		LT	66667	1.55E+19	6.46E+10	537.0	-24.00	27.00	51.00	0.200	1.460	1.460	0.013	0.010	0.220	0.200	####	0.480	0.120	Combustion Engineering			
327																														
328	NRG6551A533B1	DAC	BWR	1		PDAC01	P		LT	52000	4.90E+17	2.62E+09	532.0	-33.00	10.00	42.00	####	1.350	1.350	0.008	####	0.065	0.667	0.140	0.625	0.150	Chicago Bridge and Iron			
329	5-00Calib A533B1	DAC	BWR	W36		PDAC01	P		LT	128860	1.10E+18	2.37E+09	532.0	-32.96	40.75	74.00	####	1.350	1.350	0.008	####	0.065	0.667	0.140	0.625	0.150	Chicago Bridge and Iron			
330																														
331	7-03B-OC A533B1	OYS	BWR	F		PDAC01	P		LT	57614	1.87E+18	9.02E+09	530.0	-32.96	40.77	73.73	####	1.350	1.350	0.010	####	0.070	0.650	0.140	0.625	0.150	Chicago Bridge and [2]			
332																														
333	NRG6551A533B1	DC1	PWR	S		PDC103	P		LT	11056	2.84E+18	7.14E+10	539.0	6.00	14.00	9.00	0.235	1.445	1.445	0.010	0.014	0.225	0.481	0.049	0.475	0.081	Combustion Engineering			
334	NRG6551A533B1	DC1	PWR	Y		PDC103	P		LT	51389	9.41E+18	5.09E+10	540.0	6.00	51.00	46.00	0.235	1.445	1.445	0.010	0.014	0.225	0.481	0.049	0.475	0.081	Combustion Engineering			
335	7-03P A533B1	DC1	PWR	V		PDC103	P		LT	125005	1.37E+19	3.04E+10	541.0	5.59	37.17	31.58	0.235	1.445	1.445	0.010	0.014	0.225	0.481	0.049	0.475	0.081	Combustion Engine [17]			
336																														
337	NRG6551A533B1	DC2	PWR	U		PDC201	P		LT	8694	3.65E+18	1.17E+11	542.0	6.00	73.00	68.00	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engineering			
338	NRG6551A533B1	DC2	PWR	X		PDC201	P		LT	27250	9.16E+18	9.34E+10	541.0	6.00	115.00	109.00	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engineering			
339	NRG6551A533B1	DC2	PWR	Y		PDC201	P		LT	61362	1.32E+19	5.98E+10	540.0	6.00	117.00	111.00	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engineering			
340	7-03P A533B1	DC2	PWR	V		PDC201	P		LT	100652	2.41E+19	6.65E+10	545.0	5.58	131.50	125.92	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engine [12]			
341																														
342	NRG6551A533B1	DC2	PWR	U		PDC201	P		TL	8694	3.65E+18	1.17E+11	542.0	27.00	100.00	73.00	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engineering			
343	NRG6551A533B1	DC2	PWR	X		PDC201	P		TL	27250	9.16E+18	9.34E+10	541.0	27.00	125.00	98.00	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engineering			
344	NRG6551A533B1	DC2	PWR	Y		PDC201	P		TL	61362	1.32E+19	5.98E+10	540.0	27.00	136.00	109.00	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engineering			
345	7-03P A533B1	DC2	PWR	V		PDC201	P		TL	100652	2.41E+19	6.65E+10	545.0	26.71	137.82	111.11	0.237	1.255	1.255	0.009	0.012	0.164	0.662	0.073	0.438	0.140	Combustion Engine [12]			
346																														
347	NRG6551A302BM	DR2	BWb	3		PDR201	P		LT	5556	1.20E+16	6.00E+08	546.0	-12.00	-49.00	-37.00	0.197	1.190	1.190	0.008	0.013	0.250	0.465	####	0.435	0.190	Babcock & Wilcox			
348	NRG6551A302BM	DR2	BWb	4		PDR201	P		LT	5737	9.50E+18	4.60E+11	546.0	-12.00	38.00	51.00	0.197	1.190	1.190	0.008	0.013	0.250	0.465	####	0.435	0.190	Babcock & Wilcox			
349	NRG6551A302BM	DR2	BWb	2		PDR201	P		LT	20136	2.00E+19	2.76E+11	546.0	-12.00	90.00	102.00	0.197	1.190	1.190	0.008	0.013	0.250	0.465	####	0.435	0.190	Babcock & Wilcox			
350	NRG6551A302BM	DR2	BWb	5		PDR201	P		LT	33984	4.29E+19	3.51E+11	546.0	-12.00	73.00	85.00	0.197	1.190	1.190	0.008	0.013	0.250	0.465	####	0.435	0.190	Babcock & Wilcox			
351	NRG6551A302BM	DR2	BWR	8		PDR201	P		LT	54623	5.21E+16	2.65E+08	529.0	-12.00	-34.00	-21.00	0.197	1.190	1.190	0.008	0.013	0.250	0.465	####	0.435	0.190	Babcock & Wilcox			
352																														
353	NRG6551A302BM	DR3	BWR	13		PDR301	P		LT	8460	9.26E+15	3.04E+08	529.0	-5.00	-8.00	-2.00	0.247	1.645	1.645	0.008	0.016	0.253	0.537	0.102	0.493	0.133	Babcock & Wilcox			
354	NRG6551A302BM	DR3	BWb	14		PDR301	P		LT	8460	7.11E+18	2.33E+11	546.0	-5.00	47.00	53.00	0.247	1.645	1.645	0.008	0.016	0.253	0.537	0.102	0.493	0.133	Babcock & Wilcox			
355	NRG6551A302BM	DR3	BWb	12		PDR301	P		LT	13200	1.36E+19	2.86E+11	546.0	-5.00	44.00	49.00	0.247	1.645	1.645	0.008	0.016	0.253	0.537	0.102	0.493	0.133	Babcock & Wilcox			
356	NRG6551A302BM	DR3	BWR	6		PDR301	P		LT	23232	2.70E+16	3.23E+08	529.0	-5.00	-5.00	0.00	0.247	1.645	1.645	0.008	0.016	0.253	0.537	0.102	0.493	0.133	Babcock & Wilcox			
357	NRG6551A302BM	DR3	BWb	4		PDR301	P		LT	23564	1.86E+19	2.19E+11	546.0	-5.00	97.00	103.00	0.247	1.645	1.645	0.008	0.016	0.253	0.537	0.102	0.493	0.133	Babcock & Wilcox			
358	NRG6551A302BM	DR3	BWR	18		PDR301	P		LT	52421	7.10E+16	3.76E+08	529.0	-5.00	2.00	8.00	0.247	1.645	1.645	0.008	0.016	0.253	0.537	0.102	0.493	0.133	Babcock & Wilcox			
359																														
360	7-03B-OC A533B1	OYS	BWR	G		PEP2JP	P		TL	27380	1.86E+18	1.89E+10	530.0	-40.01	-14.42	25.59	0.200	1.490	1.490	0.006	0.008	0.220	0.590	####	0.460	0.060	CRIEPI/EPRI [1]			
361	7-03B-OC A533B1	OYS	BWR	D		PEP2JP	P		TL	27390	1.13E+18	1.15E+10	530.0	-40.01	-4.53	35.48	0.200	1.490	1.490	0.006	0.008	0.220	0.590	####	0.460	0.060	CRIEPI/EPRI [1]			
362	7-03B-OC A533B1	OYS	BWR	E		PEP2JP	P		TL	57615	1.70E+18	8.19E+09	530.0	-40.01	-18.92	21.09	0.200	1.490	1.490	0.006	0.008	0.220	0.590	####	0.460	0.060	CRIEPI/EPRI [2]			
363	7-03B-OC A533B1	OYS	BWR	I		PEP2JP	P		TL	57615	2.60E+18	1.25E+10	530.0	-40.01	-18.01	22.00	0.200	1.490	1.490	0.006	0.008	0.220	0.590	####	0.460	0.060	CRIEPI/EPRI [2]			
364																														
365	7-03P-DB A533B1	DB1	PWR	PWR-5		PEP2JP	P		TL	49096	1.14E+19	6.45E+10	556.0	-40.27	-35.57	4.70	0.200	1.490	1.490	0.006	0.008	0.220	0.590	####	0.460	0.060	CRIEPI/EPRI [3]			
366																														
367	5-00Calib A533B1	FA1	PWR	Y		PFA101	P		LT	10111	5.73E+18	1.57E+11	544.0	-22.00	46.00	68.00	0.200	1.395	1.395	0.015	0.014	0.230	0.560	0.130	0.535	0.100	Combustion Engineering			
368	5-00Calib A533B1	FA1	PWR	U		PFA101	P		LT	27056	1.75E+19	1.80E+11	544.0	-22.00	85.00	107.00	0.200	1.395	1.395	0.015	0.014	0.230	0.560	0.130	0.535	0.100	Combustion Engineering			
369	5-00Calib A533B1	FA1	PWR	X		PFA101	P		LT	53611	2.99E+19	1.55E+11	544.0	-22.00	107.00	128.00	0.200	1.395	1.395	0.015	0.014	0.230	0.560	0.130	0.535	0.100	Combustion Engineering			
370	5-00Calib A533B1	FA1	PWR	W		PFA101	P		LT	108961	4.04E+19	1.03E+11	544.0	-22.00	125.00	146.00	0.200	1.395	1.395	0.015	0.014	0.230	0.560	0.130	0.535	0.100	Combustion Engineering			
371																														
372	5-00Calib A533B1	FA1	PWR	Y		PFA101	P		TL	10111	5.73E+18	1.57E+11	544.0	3.00	75.00	73.00	0.200	1.395	1.395	0.015	0.014	0.230	0.560	0.130	0.535	0.100	Combustion Engineering			
373	5-00Calib A533B1</																													

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
391	NRG6551A533B1	FC1	PWR	W265	PFC101	P			TL	51895	7.71E+18	4.13E+10	534.0	31.00	106.00	75.00	0.220	1.461	1.461	0.011	0.012	0.214	0.483	0.040	0.524	0.101	Combustion Engineering			
392	5-00Calib A533B1	FC1	PWR	W275	PFC101	P			TL	118519	1.28E+19	3.00E+10	538.0	31.00	108.00	77.00	0.220	1.461	1.461	0.011	0.012	0.214	0.483	0.040	0.524	0.101	Combustion Engineering			
393																														
394	NRG6551A533B1	FTZ	BWR	30D	PFTZ01	P			LT	52438	2.60E+17	1.38E+09	532.0	-29.00	-22.00	7.00	0.205	1.290	1.290	0.012	0.019	0.230	0.600	0.100	0.460	0.110	Combustion Engine [43], [44], [50]			
395	5-04	A533B1	FTZ	BWR	W120	PFTZ01	P		LT	117461	5.00E+17	1.18E+09	532.0	-29.00	-4.88	24.12	0.205	1.290	1.290	0.012	0.019	0.230	0.600	0.100	0.460	0.110	Combustion Engine [44], [50]			
396																														
397	7-03B-OC A533B1	OYS	BWR	G	PFTZ01	P			TL	27389	1.55E+18	1.57E+10	530.0	-34.46	-9.03	25.43	0.205	1.290	1.290	0.013	0.018	0.230	0.610	0.100	0.460	0.110	Combustion Engine [1], [44], [50]			
398	7-03B-OC A533B1	OYS	BWR	D	PFTZ01	P			TL	27390	1.06E+18	1.08E+10	530.0	-34.46	-0.56	33.90	0.205	1.290	1.290	0.013	0.018	0.230	0.610	0.100	0.460	0.110	Combustion Engine [1], [44], [50]			
399	7-03B-OC A533B1	OYS	BWR	I	PFTZ01	P			TL	57616	2.80E+18	1.35E+10	530.0	-34.46	34.51	68.97	0.205	1.290	1.290	0.013	0.018	0.230	0.610	0.100	0.460	0.110	Combustion Engine [2], [44], [50]			
400	7-03B-OC A533B1	OYS	BWR	E	PFTZ01	P			TL	57617	1.71E+18	8.26E+09	530.0	-34.46	20.85	55.31	0.205	1.290	1.290	0.013	0.018	0.230	0.610	0.100	0.460	0.110	Combustion Engine [2], [44], [50]			
401																														
402	7-03B-OC A533B1	OYS	BWR	D	PGG_01	P			TL	27373	1.15E+18	1.17E+10	530.0	-15.73	-4.49	11.24	0.180	1.375	1.375	0.012	0.012	0.280	0.650	0.000	0.445	0.030	Chicago Bridge and [1], [50]			
403	7-03B-OC A533B1	OYS	BWR	G	PGG_01	P			TL	27391	1.84E+18	1.87E+10	530.0	-15.73	7.88	23.61	0.180	1.375	1.375	0.012	0.012	0.280	0.650	0.000	0.445	0.030	Chicago Bridge and [1], [50]			
404	7-03B-OC A533B1	OYS	BWR	E	PGG_01	P			TL	57615	1.71E+18	8.25E+09	530.0	-15.73	14.99	30.72	0.180	1.375	1.375	0.012	0.012	0.280	0.650	0.000	0.445	0.030	Chicago Bridge and [2], [50]			
405	7-03B-OC A533B1	OYS	BWR	I	PGG_01	P			TL	57617	2.66E+18	1.28E+10	530.0	-15.73	13.84	29.57	0.180	1.375	1.375	0.012	0.012	0.280	0.650	0.000	0.445	0.030	Chicago Bridge and [2], [50]			
406																														
407	NRG6551A533B1	HA1	BWR	30D	PHA101	P			LT	50324	2.40E+17	1.32E+09	530.0	-64.00	-16.00	48.00	0.240	1.430	1.430	0.010	0.013	0.200	0.650	0.000	0.560	0.113	Combustion Engineering			
408																														
409	7-03B-OC A533B1	OYS	BWR	H	PHA102	P			TL	27384	1.53E+18	1.55E+10	530.0	-11.15	17.21	28.36	0.240	1.420	1.420	0.015	0.017	0.270	0.600	0.000	0.480	0.110	Combustion Engine [1], [50]			
410																														
411	NRG6551A533B1	HA2	BWR	30D	PHA201	P			LT	57692	2.30E+17	1.11E+09	532.0	-21.00	-16.00	4.00	0.000	1.390	1.390	0.010	0.000	0.630	0.000	0.600	0.080	Combustion Engineering				
412																														
413	NRG6551A302B	HB2	PWR	S	PHB201	P			LT	11222	5.06E+18	1.25E+11	546.0	-17.00	17.00	34.00	0.190	1.350	1.350	0.007	0.019	0.230	0.090	0.000	0.480	0.120	Combustion Engineering			
414	7-03P	A302B	HB2	PWR	X	PHB201	P		LT	178616	4.49E+19	6.98E+10	546.0	-17.28	86.95	104.23	0.190	1.350	1.350	0.007	0.019	0.230	0.090	0.000	0.480	0.120	Combustion Engine [23]			
415																														
416	NRG6551A302B	HB2	PWR	S	PHB202	P			LT	11222	5.06E+18	1.25E+11	546.0	11.00	27.00	16.00	0.200	1.290	1.290	0.010	0.021	0.220	0.200	0.000	0.460	0.100	Combustion Engineering			
417	NRG6551A302B	HB2	PWR	V	PHB202	P			LT	28056	6.01E+18	5.95E+10	546.0	11.00	55.00	44.00	0.200	1.290	1.290	0.010	0.021	0.220	0.200	0.000	0.460	0.100	Combustion Engineering			
418																														
419	NRG6551A302B	HB2	PWR	S	PHB203	P			LT	11222	5.06E+18	1.25E+11	546.0	27.00	41.00	13.00	0.190	1.320	1.320	0.010	0.015	0.190	0.200	0.000	0.490	0.090	Combustion Engineering			
420	NRG6551A302B	HB2	PWR	T	PHB203	P			LT	63611	4.42E+19	1.93E+11	546.0	27.00	102.00	74.00	0.190	1.320	1.320	0.010	0.015	0.190	0.200	0.000	0.490	0.090	Combustion Engineering			
421																														
422	NRG6551A533B1	HOP	BWR	30D	PHOP01	P			LT	52646	1.42E+17	7.49E+08	532.0	-6.00	-8.00	-2.00	0.200	1.380	1.380	0.012	0.012	0.290	0.640	0.120	0.560	0.090	Babcock & Wilcox [34]			
423																														
424	NRG6551A302BM	IP2	PWR	T	PIP201	P			LT	12444	2.43E+18	5.42E+10	534.0	9.00	58.00	49.00	0.200	1.280	1.280	0.010	0.019	0.250	0.630	0.000	0.460	0.211	Combustion Engineering			
425	NRG6551A302BM	IP2	PWR	Z	PIP201	P			LT	45833	1.08E+19	6.55E+10	525.0	9.00	121.00	113.00	0.200	1.280	1.280	0.010	0.019	0.250	0.630	0.000	0.460	0.211	Combustion Engineering			
426																														
427	NRG6551A302BM	IP2	PWR	T	PIP202	P			LT	12444	2.43E+18	5.42E+10	534.0	17.00	110.00	93.00	0.220	1.300	1.300	0.014	0.020	0.220	0.441	0.000	0.500	0.149	Combustion Engineering			
428	NRG6551A302BM	IP2	PWR	Z	PIP202	P			LT	45833	1.08E+19	6.55E+10	525.0	17.00	123.00	106.00	0.220	1.300	1.300	0.014	0.020	0.220	0.441	0.000	0.500	0.149	Combustion Engineering			
429	NRG6551A302BM	IP2	PWR	V	PIP202	P			LT	75833	5.06E+18	1.85E+10	524.0	17.00	100.00	83.00	0.220	1.300	1.300	0.014	0.020	0.220	0.441	0.000	0.500	0.149	Combustion Engineering			
430																														
431	NRG6551A302BM	IP2	PWR	T	PIP203	P			LT	12444	2.43E+18	5.42E+10	534.0	16.00	147.00	131.00	0.220	1.290	1.290	0.011	0.018	0.250	0.595	0.000	0.460	0.197	Combustion Engineering			
432	NRG6551A302BM	IP2	PWR	Y	PIP203	P			LT	20833	4.53E+18	6.04E+10	529.0	16.00	169.00	152.00	0.220	1.290	1.290	0.011	0.018	0.250	0.595	0.000	0.460	0.197	Combustion Engineering			
433	NRG6551A302BM	IP2	PWR	Z	PIP203	P			LT	45833	1.08E+19	6.55E+10	525.0	16.00	198.00	182.00	0.220	1.290	1.290	0.011	0.018	0.250	0.595	0.000	0.460	0.197	Combustion Engineering			
434																														
435	NRG6551A302BM	IP3	PWR	T	PIP301	P			LT	12000	3.12E+18	7.22E+10	540.0	-6.00	87.00	93.00	0.220	1.410	1.410	0.010	0.023	0.280	0.500	0.080	0.460	0.180	Combustion Engineering			
436																														
437	NRG6551A302BM	IP3	PWR	Z	PIP303	P			LT	48889	1.04E+19	5.91E+10	540.0	-20.00	118.00	138.00	0.200	1.320	1.320	0.011	0.025	0.260	0.490	0.080	0.500	0.190	Combustion Engineering			
438																														
439	NRG6551A302BM	IP3	PWR	T	PIP304	P			LT	12000	3.12E+18	7.22E+10	540.0	25.00	168.00	143.00	0.220	1.300	1.300	0.012	0.024	0.280	0.520	0.080	0.450	0.240	Combustion Engineering			
440	NRG6551A302BM	IP3	PWR	Z	PIP304	P			LT	48889	1.04E+19	5.91E+10	540.0	25.00	199.00	174.00	0.220	1.300	1.300	0.012	0.024	0.280	0.520	0.080	0.450	0.240	Combustion Engineering			
441																														
442	NRG6551A302BM	IP3	PWR	T	PIP304	P			TL	12000	3.12E+18	7.22E+10	540.0	59.00	168.00	109.00	0.220	1.300	1.300	0.012	0.024	0.280	0.520	0.080	0.450	0.240	Combustion Engineering			
443	NRG6551A302BM	IP3	PWR	Y	PIP304	P			TL	29167	7.24E+18	6.90E+10	540.0	59.00	208.00	150.00	0.220	1.300	1.300	0.012	0.02									

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
456																														
457	NRG6551A533B1	MC1		PWR	U	PMC101	P		TL	9556	4.43E+18	1.29E+11	558.0	2.00	53.00	52.00	0.210	1.260	1.260	0.010	0.016	0.230	0.600	0.068	0.570	0.087	Combustion Engineering			
458	NRG6551A533B1	MC1		PWR	X	PMC101	P		TL	37778	1.46E+19	1.07E+11	557.0	2.00	66.00	64.00	0.210	1.260	1.260	0.010	0.016	0.230	0.600	0.068	0.570	0.087	Combustion Engineering			
459	5-04	A533B1	MC1	PWR	V	PMC101	P		TL	63466	2.19E+19	9.57E+10	557.0	1.65	77.84	76.19	0.210	1.260	1.260	0.010	0.016	0.230	0.600	0.068	0.570	0.087	Combustion Engine [28]			
460	5-00Calib	A533B1	MC1	PWR	Y	PMC101	P		TL	89501	2.93E+19	9.09E+10	557.0	1.65	111.19	110.00	0.210	1.260	1.260	0.010	0.016	0.230	0.600	0.068	0.570	0.087	Combustion Engineering			
461																														
462	NRG6551A302BM	ML1		BWR	210D	PML101	P		LT	78470	3.30E+17	1.17E+09	531.0	15.00	73.00	58.00	0.230	1.320	1.320	0.010	0.028	0.220	0.490	0.080	0.470	0.210	Combustion Engineering			
463	NRG6551A302BM	ML1		BWR	300D	PML101	P		LT	129823	6.60E+17	1.41E+09	531.0	15.00	94.00	79.00	0.230	1.320	1.320	0.010	0.028	0.220	0.490	0.080	0.470	0.210	Combustion Engineering			
464										Assumed the heats are the same above & below to fill in missing chemistry. Did not change the chemistry where it was reported																				
465	7-03B-OCA302BM	OYS		BWR	H	PML101	P		TL	27376	1.50E+18	1.52E+10	530.0	9.45	103.73	94.28	0.230	1.370	1.370	0.018	0.028	0.220	0.510	0.080	0.390	0.220	Combustion Engine [1], [50]			
466	7-03B-OCA302BM	OYS		BWR	F	PML101	P		TL	57615	1.88E+18	9.06E+09	530.0	9.45	82.12	72.67	0.230	1.370	1.370	0.018	0.028	0.220	0.510	0.080	0.390	0.220	Combustion Engine [2], [50]			
467																														
468	NRG6551A533B1	ML2		PWR	W97	PML201	P		LT	26298	3.78E+18	3.99E+10	546.5	41.00	108.00	67.00	0.210	1.276	1.276	0.007	0.015	0.312	0.603	0.100	0.601	0.141	Combustion Engineering			
469	NRG6551A533B1	ML2		PWR	W104	PML201	P		LT	87149	8.84E+18	2.82E+10	549.0	41.00	131.00	90.00	0.210	1.276	1.276	0.007	0.015	0.312	0.603	0.100	0.601	0.141	Combustion Engineering			
470	7-03P	A533B1	ML2	PWR	W83	PML201	P		LT	134028	1.74E+19	3.61E+10	549.0	41.14	157.85	116.71	0.210	1.276	1.276	0.007	0.015	0.312	0.603	0.100	0.601	0.141	Combustion Engine [16]			
471																														
472	NRG6551A533B1	ML2		PWR	W97	PML201	P		TL	26298	3.78E+18	3.99E+10	546.5	13.00	109.00	95.00	0.210	1.276	1.276	0.007	0.015	0.312	0.603	0.100	0.601	0.141	Combustion Engineering			
473	7-03P	A533B1	ML2	PWR	W83	PML201	P		TL	134028	1.74E+19	3.61E+10	549.0	13.07	162.03	148.96	0.210	1.276	1.276	0.007	0.015	0.312	0.603	0.100	0.601	0.141	Combustion Engine [16]			
474																														
475	7-03P	A533B1	ML3	PWR	X	PML301	P		LT	70080	2.21E+19	8.76E+10	558.0	2.45	30.59	28.14	0.230	1.310	1.310	0.014	0.012	0.220	0.620	0.070	0.580	0.050	Combustion Engine [13]			
476																														
477	7-03P	A533B1	ML3	PWR	X	PML301	P		TL	70080	2.21E+19	8.76E+10	558.0	17.44	43.69	26.25	0.230	1.310	1.310	0.014	0.012	0.220	0.620	0.070	0.580	0.050	Combustion Engine [13]			
478																														
479	5-04	A533B1	MON	BWR	G-1	PMON01	P		LT	66883	2.93E+17	1.22E+09	530.0	23.90	58.52	34.62	0.242	1.413	1.413	0.010	0.012	0.290	0.648	0.100	0.439	0.166	Chicago Bridge and [37]			
480	5-04	A533B1	MON+P1BWR+IW			PMON01	P		LT	78366	3.33E+18	1.18E+10	531.5	23.90	118.09	94.19	0.242	1.413	1.413	0.010	0.012	0.290	0.648	0.100	0.439	0.166	Chicago Bridge and [37]	This set has been irra		
481																														
482	NRG6551A533B1	MY		PWR	A25	PMY_01	P		LT	7714	1.76E+19	6.34E+11	522.0	-6.00	112.00	119.00	0.238	1.332	1.332	0.013	0.011	0.154	0.528	0.030	0.492	0.100	Combustion Engineering			
483	NRG6551A533B1	MY		PWR	A35	PMY_01	P		LT	40167	7.13E+19	4.93E+11	533.0	-6.00	184.00	190.00	0.238	1.332	1.332	0.013	0.011	0.154	0.528	0.030	0.492	0.100	Combustion Engineering			
484	NRG6551A533B1	MY		PWR	W263	PMY_01	P		LT	40167	5.67E+18	3.92E+10	533.0	-6.00	97.00	103.00	0.238	1.332	1.332	0.013	0.011	0.154	0.528	0.030	0.492	0.100	Combustion Engineering			
485	NRG6551A533B1	MY		PWR	W253	PMY_01	P		LT	102562	1.25E+19	3.39E+10	542.0	-6.00	127.00	133.00	0.238	1.332	1.332	0.013	0.011	0.154	0.528	0.030	0.492	0.100	Combustion Engineering			
486																														
487	NRG6551A533B1	MY		PWR	A35	PMY_01	P		TL	40167	7.13E+19	4.93E+11	533.0	6.00	208.00	202.00	0.238	1.332	1.332	0.013	0.011	0.154	0.528	0.030	0.492	0.100	Combustion Engineering			
488	NRG6551A533B1	MY		PWR	W263	PMY_01	P		TL	40167	5.67E+18	3.92E+10	533.0	6.00	108.00	102.00	0.238	1.332	1.332	0.013	0.011	0.154	0.528	0.030	0.492	0.100	Combustion Engineering			
489																														
490	5-00Calib	A302B1	NM1	BWR	W210	PNM101	P		LT	147356	9.34E+17	1.76E+09	530.0	9.89	87.78	78.00	0.216	1.263	1.263	0.031	0.021	0.195	0.554	0.094	0.458	0.207	Combustion Engineering			
491				PNM101 above & below are believed to be the same heat per E900ChemChanges, but apparent mixup in heats at NM1 (see NMEL-90001, Jan 1991) causes some uncertainty. Only Cr was filled in from the prior entry.																										
492	7-03B-OCA302BM	OYS		BWR	D	PNM101	P		TL	27376	1.09E+18	1.11E+10	530.0	-6.93	49.14	56.07	0.200	1.160	1.160	0.018	0.028	0.170	0.584	0.094	0.430	0.172	Combustion Engine [1], [50]			
493	7-03B-OCA302BM	OYS		BWR	G	PNM101	P		TL	27382	1.66E+18	1.68E+10	530.0	-6.93	75.49	82.42	0.200	1.160	1.160	0.018	0.028	0.170	0.584	0.094	0.430	0.172	Combustion Engine [1], [50]			
494	7-03B-OCA302BM	OYS		BWR	E	PNM101	P		TL	57615	1.72E+18	8.29E+09	530.0	-6.93	78.08	85.01	0.200	1.160	1.160	0.018	0.028	0.170	0.584	0.094	0.430	0.172	Combustion Engine [2], [50]			
495	7-03B-OCA302BM	OYS		BWR	I	PNM101	P		TL	57618	2.75E+18	1.33E+10	530.0	-6.93	92.59	99.52	0.200	1.160	1.160	0.018	0.028	0.170	0.584	0.094	0.430	0.172	Combustion Engine [2], [50]			
496																														
497	NRG6551A302B	OC1		PWR	F	POC101	P		LT	7303	5.70E+17	2.17E+10	556.0	2.00	25.00	22.00	0.200	1.400	1.400	0.012	0.017	0.200	0.630	0.130	0.500	0.110	Babcock & Wilcox			
498																														
499	NRG6551A302B	OC1		PWR	F	POC101	P		TL	7303	5.70E+17	2.17E+10	556.0	-1.00	29.00	30.00	0.200	1.400	1.400	0.012	0.017	0.200	0.630	0.130	0.500	0.110	Babcock & Wilcox			
500																														
501	NRG6551A302B	OC1		PWR	E	POC102	P		LT	14406	1.50E+18	2.89E+10	556.0	-7.00	49.00	55.00	0.210	1.420	1.420	0.015	0.015	0.230	0.500	0.170	0.490	0.100	Babcock & Wilcox			
502	NRG6551A302B	OC1+CR:	PWR	A		POC102	P		LT	38093	8.95E+18	6.53E+10	556.0	-7.00	48.00	55.00	0.210	1.420	1.420	0.015	0.015	0.230	0.500	0.170	0.490	0.100	Babcock & Wilcox			
503	NRG6551A302B	OC1+CR:	PWR	C		POC102	P		LT	51888	9.86E+18	5.28E+10	556.0	-7.00	38.00	45.00	0.210	1.420	1.420	0.015	0.015	0.230	0.500	0.170	0.490	0.100	Babcock & Wilcox			
504																														
505	NRG6551A302B	OC1		PWR	E	POC102	P		TL	14406	1.50E+18	2.89E+10	556.0	7.00	36.00	29.00	0.210	1.420	1.420	0.015	0.015	0.230	0.500	0.170	0.490	0.100	Babcock & Wilcox			
506	NRG6551A302B	OC1+CR:	PWR	A		POC102	P		TL	38093	8.95E+18	6.53E+10	556.0	7.00	35.00	28.00	0.210	1.420	1.420	0.015	0.015	0.230	0.500	0.170	0.490	0.100	Babcock & Wilcox			
507	NRG6551A302B	OC1+CR:	PWR	C		POC102	P		TL	51888	9.86E+18	5.28E+10	556.0	7.00	94.00	87.00	0.210	1.420	1.420	0.015	0.015	0.230	0.500	0.170	0.490	0.100	Babcock & Wilcox			
508																														
509	NRG6551A302B1	OYS		BWR	210D	POYS01	P		LT	71400	7.46E+17	2.90E+09	530.0	16.00	93.00	78.00	0.200													

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
521	NRG6551A302B	PB1	PWR	S	PPB101	P		LT	31667	8.29E+18	7.27E+10	542.0	-35.00	52.00	87.00	0.190	1.460	1.460	0.010	0.020	0.250	0.056	0.057	0.480	0.200	Babcock & Wilcox				
522	NRG6551A302B	PB1	PWR	R	PPB101	P		LT	44722	2.19E+19	1.36E+11	542.0	-35.00	58.00	93.00	0.190	1.460	1.460	0.010	0.020	0.250	0.056	0.057	0.480	0.200	Babcock & Wilcox				
523	NRG6551A302B	PB1	PWR	T	PPB101	P		LT	81389	2.23E+19	7.61E+10	535.0	-35.00	47.00	82.00	0.190	1.460	1.460	0.010	0.020	0.250	0.056	0.057	0.480	0.200	Babcock & Wilcox				
524																														
525	NRG6551A302B	PB1	PWR	V	PPB102	P		LT	13028	6.34E+18	1.35E+11	542.0	-26.00	15.00	41.00	0.210	1.460	1.460	0.014	0.019	0.250	0.067	0.062	0.470	0.120	Babcock & Wilcox				
526	NRG6551A302B	PB1	PWR	S	PPB102	P		LT	31667	8.29E+18	7.27E+10	542.0	-26.00	17.00	43.00	0.210	1.460	1.460	0.014	0.019	0.250	0.067	0.062	0.470	0.120	Babcock & Wilcox				
527	NRG6551A302B	PB1	PWR	R	PPB102	P		LT	44722	2.19E+19	1.36E+11	542.0	-26.00	2.00	28.00	0.210	1.460	1.460	0.014	0.019	0.250	0.067	0.062	0.470	0.120	Babcock & Wilcox				
528	NRG6551A302B	PB1	PWR	T	PPB102	P		LT	81389	2.23E+19	7.61E+10	535.0	-26.00	19.00	45.00	0.210	1.460	1.460	0.014	0.019	0.250	0.067	0.062	0.470	0.120	Babcock & Wilcox				
529																														
530	NRG6551A302BM	PH3	BWR	1	PPH301	P		LT	66359	1.60E+17	6.70E+08	528.0	-11.00	1.00	12.00	0.210	1.427	1.427	0.008	0.016	0.233	0.620	#####	0.497	0.133	Babcock & Wilcox				
531																														
532	NRG6551A533B1	PL1	BWR	1	PPL101	P		LT	36582	2.30E+17	1.75E+09	529.0	6.00	35.00	29.00	0.231	1.337	1.337	0.015	0.014	0.175	0.634	0.135	0.596	0.134	Combustion Engineering				
533																														
534	5-00Calib A533B1	PV1	PWR	W137	PPV101	P		LT	39931	3.45E+18	2.40E+10	552.0	12.00	41.00	29.00	0.240	1.330	1.330	0.004	0.010	0.280	0.600	0.040	0.530	0.060	Combustion Engineering				
535																														
536	5-00Calib A533B1	PV1	PWR	W137	PPV101	P		TL	39931	3.45E+18	2.40E+10	552.0	28.00	43.00	15.00	0.240	1.330	1.330	0.004	0.010	0.280	0.600	0.040	0.530	0.060	Combustion Engineering				
537																														
538	7-03P	A533B1	PV1	PWR	W38	PPV104	P		LT	85936	7.85E+18	2.54E+10	552.0	-12.85	10.79	23.64	0.240	1.480	1.480	0.003	0.006	0.230	0.630	0.070	0.500	0.040	Combustion Engine [21]			
539																														
540	7-03P	A533B1	PV1	PWR	W38	PPV104	P		TL	85936	7.85E+18	2.54E+10	552.0	9.04	10.42	1.38	0.240	1.480	1.480	0.003	0.006	0.230	0.630	0.070	0.500	0.040	Combustion Engine [21]			
541																														
542	NRG6551A533B1	PV2	PWR	W137	PPV201	P		LT	39806	4.07E+18	2.84E+10	552.0	0.00	8.00	8.00	0.240	1.540	1.540	0.006	0.009	0.210	0.680	0.030	0.520	0.040	Combustion Engineering				
543																														
544	NRG6551A533B1	PV2	PWR	W137	PPV201	P		TL	39806	4.07E+18	2.84E+10	552.0	3.00	9.00	6.00	0.240	1.540	1.540	0.006	0.009	0.210	0.680	0.030	0.520	0.040	Combustion Engineering				
545																														
546	5-00Calib A533B1	PV3	PWR	W137	PPV301	P		TL	38921	3.64E+18	2.60E+10	552.0	-30.00	-13.00	17.00	####	1.400	1.400	0.005	####	####	0.650	#####	#####	0.040	Combustion Engineering				
547																														
548	NRG6551A302BM	QC1	BWb	1	PQC101	P		LT	10800	8.20E+18	2.11E+11	546.0	-28.00	79.00	107.00	0.238	1.520	1.520	0.010	0.017	0.224	0.520	0.110	0.490	0.212	Babcock & Wilcox				
549	NRG6551A302BM	QC1	BWR	2	PQC101	P		LT	10800	1.03E+16	2.65E+08	530.0	-28.00	-37.00	-8.00	0.238	1.520	1.520	0.010	0.017	0.224	0.520	0.110	0.490	0.212	Babcock & Wilcox				
550	NRG6551A302BM	QC1	BWb	3	PQC101	P		LT	34528	4.23E+19	3.40E+11	546.0	-28.00	137.00	165.00	0.238	1.520	1.520	0.010	0.017	0.224	0.520	0.110	0.490	0.212	Babcock & Wilcox				
551	NRG6551A302BM	QC1	BWR	8	PQC101	P		LT	58206	5.50E+16	2.62E+08	530.0	-28.00	-25.00	3.00	0.238	1.520	1.520	0.010	0.017	0.224	0.520	0.110	0.490	0.212	Babcock & Wilcox				
552																														
553	7-03B-OCA302BM	OYS	BWR	H	PQC101	P		TL	27381	1.45E+18	1.47E+10	530.0	-33.95	22.05	56.00	0.185	1.315	1.315	0.015	0.018	0.190	0.520	0.110	0.385	0.170	Babcock & Wilcox	[1], [50]			
554	7-03B-OCA302BM	OYS	BWR	F	PQC101	P		TL	57615	1.88E+18	9.06E+09	530.0	-33.95	51.83	85.78	0.185	1.315	1.315	0.015	0.018	0.190	0.520	0.110	0.385	0.170	Babcock & Wilcox	[2], [50]			
555																														
556	NRG6551A302BM	QC2	BWb	12	PQC201	P		LT	14316	9.75E+18	1.89E+11	546.0	-12.00	25.00	37.00	0.268	1.640	1.640	0.008	0.016	0.283	0.522	0.130	0.474	0.095	Babcock & Wilcox				
557	NRG6551A302BM	QC2	BWR	13	PQC201	P		LT	14316	1.73E+16	3.36E+08	530.0	-12.00	-10.00	2.00	0.268	1.640	1.640	0.008	0.016	0.283	0.522	0.130	0.474	0.095	Babcock & Wilcox				
558	NRG6551A302BM	QC2	BWb	3	PQC201	P		LT	39500	4.28E+19	3.01E+11	546.0	-12.00	41.00	53.00	0.268	1.640	1.640	0.008	0.016	0.283	0.522	0.130	0.474	0.095	Babcock & Wilcox				
559	NRG6551A302BM	QC2	BWR	18	PQC201	P		LT	49353	6.56E+16	3.69E+08	530.0	-12.00	-11.00	1.00	0.268	1.640	1.640	0.008	0.016	0.283	0.522	0.130	0.474	0.095	Babcock & Wilcox				
560																														
561	7-03B		RB	BWR	183	PRB_01	P	TL	88301	1.16E+18	3.65E+09	534.0	-14.93	24.91	39.84	0.180	1.300	1.300	0.007	0.016	0.280	0.670	#####	0.560	0.080	Chicago Bridge and	[24]			
562																														
563	NRG6551A533B1	RS1+DB1	PWR	B	PRS101	P		TL	13068	3.99E+18	8.48E+10	556.0	5.00	40.00	34.00	0.200	1.260	1.260	0.013	0.017	0.150	0.600	0.140	0.550	0.120	Babcock & Wilcox				
564	NRG6551A533B1	RS1+DB1	PWR	D	PRS101	P		TL	20172	6.60E+18	9.09E+10	556.0	5.00	63.00	57.00	0.200	1.260	1.260	0.013	0.017	0.150	0.600	0.140	0.550	0.120	Babcock & Wilcox				
565	NRG6551A533B1	RS1+DB1	PWR	F	PRS101	P		TL	42720	1.42E+19	9.23E+10	556.0	5.00	75.00	69.00	0.200	1.260	1.260	0.013	0.017	0.150	0.600	0.140	0.550	0.120	Babcock & Wilcox				
566																														
567	NRG6551A533B1	SA1	PWR	T	PSA101	P		LT	9639	2.56E+18	7.38E+10	539.0	-22.00	87.00	109.00	0.235	1.497	1.497	0.013	0.017	0.285	0.528	0.185	0.480	0.241	Combustion Engineering				
568	NRG6551A533B1	SA1	PWR	Z	PSA101	P		LT	53056	1.23E+19	6.44E+10	539.0	-22.00	159.00	181.00	0.235	1.497	1.497	0.013	0.017	0.285	0.528	0.185	0.480	0.241	Combustion Engineering				
569	5-00Calib A533B1	SA1	PWR	S	PSA101	P		LT	94672	1.97E+19	5.78E+10	539.0	-21.72	152.92	175.00	0.235	1.497	1.497	0.013	0.017	0.285	0.528	0.185	0.480	0.241	Combustion Engineering				
570																														
571	NRG6551A533B1	SA1	PWR	T	PSA102	P		LT	9639	2.56E+18	7.38E+10	539.0	-21.00	68.00	89.00	0.220	1.467	1.467	0.016	0.018	0.305	0.525	0.175	0.473	0.235	Combustion Engineering				
572	NRG6551A533B1	SA1	PWR	Z	PSA102	P		LT	53056	1.23E+19	6.44E+10	539.0	-21.00	137.00	158.00	0.220	1.467	1.467	0.016	0.018	0.305	0.525	0.175	0.473	0.235	Combustion Engineering				
573																														
574	NRG6551A533B1	SA1	PWR	T	PSA103	P		LT	9639	2.56E+18	7.38E+10	539.0	-43.00	25.00	68.00	0.200	1.220	1.220	0.012	0.026	0.270	0.508	0.110	0.437	0.220	Combustion Engineering				
575	NRG6551A																													

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
586	7-03P	A533B1	SA2	PWR	Y	PSA201	P		TL	94608	1.81E+19	5.31E+10	539.0	11.18	140.01	128.83	0.235	1.359	1.359	0.010	0.009	0.275	0.617	0.105	0.563	0.117	Combustion Engine [14]			
587																														
588	NRG6551A533B1	SB1		PWR	U	PSB101	P		LT	8001	3.36E+18	1.17E+11	558.0	-24.00	15.00	39.00	0.200	1.450	1.450	0.007	0.010	0.240	0.570	0.060	0.550	0.060	Combustion Engineering			
589	7-03P	A533B1	SB1	PWR	Y	PSB101	P		LT	48840	1.15E+19	6.54E+10	559.0	-24.20	21.24	45.44	0.200	1.450	1.450	0.007	0.010	0.240	0.570	0.060	0.550	0.060	Combustion Engineering			
590																														
591	NRG6551A533B1	SB1		PWR	U	PSB101	P		TL	8001	3.36E+18	1.17E+11	558.0	9.00	37.00	29.00	0.200	1.450	1.450	0.007	0.010	0.240	0.570	0.060	0.550	0.060	Combustion Engineering			
592	7-03P	A533B1	SB1	PWR	Y	PSB101	P		TL	48840	1.15E+19	6.54E+10	559.0	8.60	43.85	35.25	0.200	1.450	1.450	0.007	0.010	0.240	0.570	0.060	0.550	0.060	Combustion Engineering			
593																														
594	NRG6551A533B1	SH1		BWR	30D	PSH101	P		LT	58531	1.40E+17	6.64E+08	528.0	10.00	28.00	18.00	0.180	1.313	1.313	0.009	0.015	0.177	0.613	#####	0.567	0.093	Chicago Bridge and Iron			
595																														
596	NRG6551A533B1	SH2		BWR	30D	PSH201	P		LT	54619	1.30E+17	6.61E+08	528.0	-9.00	0.00	9.00	0.200	1.300	1.300	0.008	0.015	0.240	0.633	#####	0.573	0.123	Chicago Bridge and Iron			
597																														
598	NRG6551A533B1	SL1		PWR	W97	PSL101	P		LT	40917	5.50E+18	3.73E+10	541.0	6.00	76.00	69.00	0.250	1.300	1.300	0.007	0.017	0.201	0.575	0.070	0.629	0.141	Combustion Engineering			
599	NRG6551A533B1	SL1		PWR	W104	PSL101	P		LT	83408	7.16E+18	2.38E+10	545.0	6.00	86.00	80.00	0.250	1.300	1.300	0.007	0.017	0.201	0.575	0.070	0.629	0.141	Combustion Engineering			
600	7-03P	A533B1	SL1	PWR	W284	PSL101	P		LT	150935	1.45E+19	2.67E+10	546.7	6.07	95.04	88.97	0.250	1.300	1.300	0.007	0.017	0.201	0.575	0.070	0.629	0.141	Combustion Engine [19]			
601																														
602	NRG6551A533B1	SL1		PWR	W97	PSL101	P		TL	40917	5.50E+18	3.73E+10	541.0	19.00	79.00	60.00	0.250	1.300	1.300	0.007	0.017	0.201	0.575	0.070	0.629	0.141	Combustion Engineering			
603	7-03P	A533B1	SL1	PWR	W284	PSL101	P		TL	150935	1.45E+19	2.67E+10	546.7	18.76	99.42	80.66	0.250	1.300	1.300	0.007	0.017	0.201	0.575	0.070	0.629	0.141	Combustion Engine [19]			
604																														
605	NRG6551A533B1	SL2		PWR	W83	PSL201	P		LT	9773	1.60E+18	4.55E+10	548.0	12.00	39.00	27.00	0.275	1.335	1.335	0.005	0.010	0.270	0.565	0.095	0.535	0.101	Combustion Engineering			
606																														
607	NRG6551A533B1	SL2		PWR	W83	PSL201	P		TL	9773	1.60E+18	4.55E+10	548.0	31.00	60.00	29.00	0.275	1.335	1.335	0.005	0.010	0.270	0.565	0.095	0.535	0.101	Combustion Engineering			
608	5-00Calib A533B1	SL2		PWR	W263	PSL201	P		TL	96426	1.24E+19	3.57E+10	558.0	31.31	133.72	102.00	0.275	1.335	1.335	0.005	0.010	0.270	0.565	0.095	0.535	0.101	Combustion Engineering			
609																														
610	5-00Calib A302B	SO1		PWR	D	PSO101	P		LT	24722	3.48E+19	3.91E+11	552.0	31.00	150.00	118.00	0.235	1.403	1.403	0.013	0.021	0.270	0.200	#####	0.453	0.170	Combustion Engineering			
611																														
612	5-00Calib A302B	SO1		PWR	D	PSO102	P		LT	24722	3.48E+19	3.91E+11	552.0	14.00	119.00	104.00	0.210	1.360	1.360	0.011	0.019	0.230	0.200	#####	0.470	0.180	Combustion Engineering			
613	5-00Calib A302B	SO1		PWR	F	PSO102	P		LT	67500	3.85E+19	1.58E+11	552.0	14.00	123.00	108.00	0.210	1.360	1.360	0.011	0.019	0.230	0.200	#####	0.470	0.180	Combustion Engineering			
614																														
615	5-00Calib A302B	SO1		PWR	A	PSO103	P		LT	16278	1.75E+19	2.99E+11	552.0	27.00	121.00	94.00	0.205	1.437	1.437	0.011	0.023	0.245	0.200	#####	0.467	0.180	Combustion Engineering			
616	5-00Calib A302B	SO1		PWR	D	PSO103	P		LT	24722	3.48E+19	3.91E+11	552.0	27.00	145.00	118.00	0.205	1.437	1.437	0.011	0.023	0.245	0.200	#####	0.467	0.180	Combustion Engineering			
617																														
618	5-00Calib A533B1	SO2		PWR	W97	PSO201	P		LT	23620	5.07E+18	5.96E+10	553.0	22.81	73.00	50.19	####	1.420	1.420	0.008	0.009	0.280	0.600	0.200	0.580	0.100	Combustion Engineering			
619																														
620	5-00Calib A533B1	SO2		PWR	W97	PSO201	P		TL	23620	5.07E+18	5.96E+10	553.0	36.25	67.00	30.75	####	1.420	1.420	0.008	0.009	0.280	0.600	0.200	0.580	0.100	Combustion Engineering			
621																														
622	7-03P	A533B1	SO2	PWR	W263	PSO201	P		TL	116376	2.20E+19	5.26E+10	551.1	36.25	114.36	78.11	####	1.420	1.420	0.008	0.009	0.280	0.600	0.200	0.580	0.100	Combustion Engineering			
623																														
624	NRG6551A533B1	SO3		PWR	W97	PSO301	P		LT	37957	8.00E+18	5.85E+10	553.0	82.00	138.00	56.00	0.238	1.312	1.312	0.009	0.014	0.180	0.562	0.090	0.550	0.056	Combustion Engineering			
625																														
626	NRG6551A533B1	SO3		PWR	W97	PSO301	P		TL	37957	8.00E+18	5.85E+10	553.0	43.00	111.00	68.00	0.238	1.312	1.312	0.009	0.014	0.180	0.562	0.090	0.550	0.056	Combustion Engineering			
627	5-04	A533B1	SO3	PWR	W263	PSO301	P		TL	130353	2.47E+19	5.27E+10	549.6	42.90	136.14	93.24	0.238	1.312	1.312	0.009	0.014	0.180	0.562	0.090	0.550	0.056	Combustion Engine [30]			
628																														
629	NRG6551A533B1	SR1		PWR	U	PSR101	P		LT	9583	6.12E+18	1.77E+11	557.0	52.00	82.00	29.00	0.220	1.340	1.340	0.014	0.016	0.370	0.490	0.095	0.500	0.073	Chicago Bridge and Iron			
630	NRG6551A533B1	SR1		PWR	V	PSR101	P		LT	26722	1.52E+19	1.58E+11	557.0	52.00	94.00	42.00	0.220	1.340	1.340	0.014	0.016	0.370	0.490	0.095	0.500	0.073	Chicago Bridge and Iron			
631	7-03P	A533B1	SR1	PWR	X	PSR101	P		LT	82788	3.25E+19	1.09E+11	557.0	52.06	146.95	94.89	0.220	1.340	1.340	0.014	0.016	0.370	0.490	0.095	0.500	0.073	Chicago Bridge and Iron			
632																														
633	NRG6551A533B1	SR1		PWR	U	PSR101	P		TL	9583</																				

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL	
651	5-00Calib	A533B1	SU1	PWR	X	PSU101	P		LT	139914	1.60E+19	3.18E+10	541.0	-6.92	77.46	84.00	0.232	1.395	1.395	0.013	0.015	0.325	0.500	0.091	0.584	0.110	Rotterdamse Droogdok	Madtdschappij (Netherland			
652																															
653	NRG6551A533B1	SU2	PWR	X	PSU201	P		LT	10250	2.94E+18	7.97E+10	535.0	-2.00	56.00	58.00	0.244	1.340	1.340	0.011	0.014	0.244	0.540	0.083	0.536	0.110	Rotterdamse Droogdok	Madtdschappij (Netherland				
654	NRG6551A533B1	SU2	PWR	V	PSU201	P		LT	73333	1.75E+19	6.63E+10	541.0	-2.00	77.00	80.00	0.244	1.340	1.340	0.011	0.014	0.244	0.540	0.083	0.536	0.110	Rotterdamse Droogdok	Madtdschappij (Netherland				
655	7-03P	A533B1	SU2	PWR	Y	PSU201	P		LT	177828	2.73E+19	4.26E+10	543.0	-2.38	105.89	108.27	0.244	1.340	1.340	0.011	0.014	0.244	0.540	0.083	0.536	0.110	Rotterdamse Droog	[15]			
656																															
657	NRG6551A533B1	SU2	PWR	X	PSU201	P		TL	10250	2.94E+18	7.97E+10	535.0	11.00	59.00	49.00	0.244	1.340	1.340	0.011	0.014	0.244	0.540	0.083	0.536	0.110	Rotterdamse Droogdok	Madtdschappij (Netherland				
658	NRG6551A533B1	SU2	PWR	V	PSU201	P		TL	73333	1.75E+19	6.63E+10	541.0	11.00	76.00	65.00	0.244	1.340	1.340	0.011	0.014	0.244	0.540	0.083	0.536	0.110	Rotterdamse Droogdok	Madtdschappij (Netherland				
659	7-03P	A533B1	SU2	PWR	Y	PSU201	P		TL	177828	2.73E+19	4.26E+10	543.0	10.60	115.84	105.24	0.244	1.340	1.340	0.011	0.014	0.244	0.540	0.083	0.536	0.110	Rotterdamse Droog	[15]			
660																															
661	NRG6551A302B	TM1	PWR	E	PTM101	P		LT	11211	1.09E+18	2.70E+10	556.0	-11.00	14.00	26.00	0.240	1.360	1.360	0.010	0.017	0.230	0.570	0.190	0.510	0.090	Babcock & Wilcox					
662	NRG6551A302B	TM1+CR	PWR	C	PTM101	P		LT	38371	8.66E+18	6.27E+10	556.0	-11.00	2.00	14.00	0.240	1.360	1.360	0.010	0.017	0.230	0.570	0.190	0.510	0.090	Babcock & Wilcox					
663																															
664	NRG6551A302B	TM1+CR	PWR	C	PTM101	P		TL	38371	8.66E+18	6.27E+10	556.0	25.00	41.00	15.00	0.240	1.360	1.360	0.010	0.017	0.230	0.570	0.190	0.510	0.090	Babcock & Wilcox					
665																															
666	5-04	A533B1	DB1	PWR	TM2-C	PTM201	P		TL	9126	1.71E+18	5.20E+10	556.0	14.80	44.37	29.57	0.220	1.420	1.420	0.010	0.015	0.190	0.500	####	0.470	0.140	Babcock & Wilcox	[52]			
667																															
668	5-04	A533B1	DB1	PWR	TM2-C	PTM202	P		TL	9126	1.68E+18	5.11E+10	556.0	38.20	82.65	44.45	0.220	1.350	1.350	0.010	0.015	0.230	0.500	####	0.470	0.120	Babcock & Wilcox	[52]			
669	5-04	A533B1	DB1	PWR	TM2-E	PTM202	P		TL	9126	1.74E+18	5.30E+10	556.0	38.20	77.18	38.98	0.220	1.350	1.350	0.010	0.015	0.230	0.500	####	0.470	0.120	Babcock & Wilcox	[52]			
670																															
671	NRG6551A533B1	TRO	PWR	U	PTRO01	P		LT	10139	4.11E+18	1.13E+11	554.0	-17.00	45.00	62.00	0.210	1.270	1.270	0.011	0.016	0.200	0.600	0.048	0.530	0.150	Chicago Bridge and Iron					
672	NRG6551A533B1	TRO	PWR	X	PTRO01	P		LT	38333	1.77E+19	1.28E+11	554.0	-17.00	69.00	86.00	0.210	1.270	1.270	0.011	0.016	0.200	0.600	0.048	0.530	0.150	Chicago Bridge and Iron					
673	NRG6551A533B1	TRO	PWR	V	PTRO01	P		LT	70278	2.34E+19	9.25E+10	554.0	-17.00	72.00	89.00	0.210	1.270	1.270	0.011	0.016	0.200	0.600	0.048	0.530	0.150	Chicago Bridge and Iron					
674																															
675	NRG6551A533B1	TRO	PWR	U	PTRO01	P		TL	10139	4.11E+18	1.13E+11	554.0	-6.00	60.00	66.00	0.210	1.270	1.270	0.011	0.016	0.200	0.600	0.048	0.530	0.150	Chicago Bridge and Iron					
676	NRG6551A533B1	TRO	PWR	X	PTRO01	P		TL	38333	1.77E+19	1.28E+11	554.0	-6.00	102.00	108.00	0.210	1.270	1.270	0.011	0.016	0.200	0.600	0.048	0.530	0.150	Chicago Bridge and Iron					
677	NRG6551A533B1	TRO	PWR	V	PTRO01	P		TL	70278	2.34E+19	9.25E+10	554.0	-6.00	94.00	99.00	0.210	1.270	1.270	0.011	0.016	0.200	0.600	0.048	0.530	0.150	Chicago Bridge and Iron					
678																															
679	5-04	A533B1	VO1	PWR	U	PVO101	P		LT	9583	3.62E+18	1.05E+11	560.0	-14.01	3.72	17.73	0.235	1.301	1.301	0.014	0.010	0.270	0.593	0.049	0.510	0.057	Combustion Engine	[48]			
680	NRG6551A533B1	VO1	PWR	Y	PVO101	P		LT	40556	1.31E+19	8.97E+10	560.0	-14.00	24.00	38.00	0.235	1.301	1.301	0.014	0.010	0.270	0.593	0.049	0.510	0.057	Combustion Engineering					
681	5-00Calib	A533B1	VO1	PWR	V	PVO101	P		LT	75125	1.98E+19	7.32E+10	560.0	-14.01	27.03	41.00	0.235	1.301	1.301	0.014	0.010	0.270	0.593	0.049	0.510	0.057	Combustion Engineering				
682																															
683	5-04	A533B1	VO1	PWR	U	PVO101	P		TL	9583	3.62E+18	1.05E+11	560.0	16.66	5.26	-11.40	0.235	1.301	1.301	0.014	0.010	0.270	0.593	0.049	0.510	0.057	Combustion Engine	[48]			
684	NRG6551A533B1	VO1	PWR	Y	PVO101	P		TL	40556	1.31E+19	8.97E+10	560.0	17.00	27.00	10.00	0.235	1.301	1.301	0.014	0.010	0.270	0.593	0.049	0.510	0.057	Combustion Engineering					
685	5-00Calib	A533B1	VO1	PWR	V	PVO101	P		TL	75125	1.98E+19	7.32E+10	560.0	16.66	50.02	33.00	0.235	1.301	1.301	0.014	0.010	0.270	0.593	0.049	0.510	0.057	Combustion Engineering				
686																															
687	5-04	A533B1	VO2	PWR	U	PVO201	P		LT	10361	4.03E+18	1.08E+11	557.0	8.25	10.73	2.48	0.221	1.252	1.252	0.008	0.012	0.217	0.582	0.054	0.537	0.051	Combustion Engine	[49]		Chemistry is the avera	
688	5-04	A533B1	VO2	PWR	Y	PVO201	P		LT	42339	1.13E+19	7.41E+10	557.0	8.25	14.03	5.78	0.221	1.252	1.252	0.008	0.012	0.217	0.582	0.054	0.537	0.051	Combustion Engine	[49]		Chemistry is the avera	
689	5-04	A533B1	VO2	PWR	X	PVO201	P		LT	66795	2.16E+19	8.98E+10	557.0	8.25	37.82	29.57	0.221	1.252	1.252	0.008	0.012	0.217	0.582	0.054	0.537	0.051	Combustion Engine	[49]		Chemistry is the avera	
690																															
691	5-04	A533B1	VO2	PWR	U	PVO201	P		TL	10361	4.03E+18	1.08E+11	557.0	27.47	20.64	-6.83	0.221	1.252	1.252	0.008	0.012	0.217	0.582	0.054	0.537	0.051	Combustion Engine	[49]		Chemistry is the avera	
692	5-04	A533B1	VO2	PWR	Y	PVO201	P		TL	42339	1.13E+19	7.41E+10	557.0	27.47	30.12	2.65	0.221	1.252	1.252	0.008	0.012	0.217	0.582	0.054	0.537	0.051	Combustion Engine	[49]		Chemistry is the avera	
693	5-04	A533B1	VO2	PWR	X	PVO201	P		TL	66795	2.16E+19	8.98E+10	557.0	27.47	58.07	30.60	0.221	1.252	1.252	0.008	0.012	0.217	0.582	0.054	0.537	0.051	Combustion Engine	[49]		Chemistry is the avera	
694																															
695	NRG6551A533B1	VS1	PWR	U	PVS101	P		LT	9861	6.55E+18	1.85E+11	555.0	-19.00	21.00	40.00	0.220	1.300	1.300	0.009	0.015	0.240	0.510	0.080	0.490	0.100	Chicago Bridge and Iron					
696	NRG6551A533B1	VS1	PWR	V	PVS101	P		LT	25639	1.55E+19	1.68E+11	555.0	-19.00	40.00	58.00	0.220	1.300	1.300	0.009	0.015	0.240	0.510	0.080	0.490	0.100	Chicago Bridge and Iron					
697	NRG6551A533B1	VS1	PWR	X	PVS101	P		LT	44167	2.62E+19	1.65E+11	555.0	-19.00	16.00	35.00	0.220	1.300	1.300	0.009	0.015	0.240	0.510	0.080	0.490	0.100	Chicago Bridge and Iron					
698	5-00Calib	A533B1	VS1	PWR	W	PVS101	P		LT	94498	4.66E+19	1.37E+11	555.0	-18.87	44.98	64.00	0.220	1.300	1.300	0.009	0.015	0.240	0.510	0.080	0.490	0.100	Chicago Bridge and Iron				
699																															
700	NRG6551A533B1	VS1	PWR	U	PVS101	P		TL	9861	6.55E+18	1.85E+11	555.0	28.00	43.00	15.00	0.220	1.300	1.300	0.009	0.015	0.240	0.510	0.080	0.490	0.100	Chicago Bridge and Iron					
701	NRG6551A533B1	VS1	PWR	V	PVS101	P		TL	25639	1.55E+19	1.68E+11	555.0	28.00	60.00	32.00	0.220	1.300	1.300	0.009	0.015	0.240	0.510	0.080	0.490	0.100	Chicago Bridge and Iron					
702																															

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL	
716																															
717	NRG6551A533B1	WF3		PWR	W97	PWF301	P		LT	38921	6.47E+18	4.62E+10	553.0	-7.00	-2.00	5.00	0.230	1.380	1.380	0.005	0.005	0.230	0.580	0.010	0.570	0.030	Combustion Engineering				
718																															
719	NRG6551A533B1	WF3		PWR	W97	PWF301	P		TL	38921	6.47E+18	4.62E+10	553.0	-25.00	6.00	31.00	0.230	1.380	1.380	0.005	0.005	0.230	0.580	0.010	0.570	0.030	Combustion Engineering				
720	5-04	A533B1	WF3	PWR	W263	PWF301	P		TL	121231	1.45E+19	3.32E+10	553.0	-24.59	-25.57	-0.98	0.230	1.380	1.380	0.005	0.005	0.230	0.580	0.010	0.570	0.030	Combustion Engine [33]				surprisingly small shift
721																															
722	NRG6551A533B1	ZN1		PWR	T	PZN101	P		LT	10667	3.10E+18	8.07E+10	529.0	-3.00	50.00	53.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
723	NRG6551A533B1	ZN1		PWR	U	PZN101	P		LT	31389	1.02E+19	9.03E+10	529.0	-3.00	87.00	90.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
724	NRG6551A533B1	ZN1		PWR	X	PZN101	P		LT	45278	1.26E+19	7.73E+10	529.0	-3.00	91.00	94.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
725	NRG6551A533B1	ZN1		PWR	Y	PZN101	P		LT	75278	1.56E+19	5.76E+10	529.0	-3.00	96.00	99.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
726																															
727	NRG6551A533B1	ZN1		PWR	T	PZN101	P		TL	10667	3.10E+18	8.07E+10	529.0	21.00	53.00	32.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
728	NRG6551A533B1	ZN1		PWR	U	PZN101	P		TL	31389	1.02E+19	9.03E+10	529.0	21.00	87.00	65.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
729	NRG6551A533B1	ZN1		PWR	X	PZN101	P		TL	45278	1.26E+19	7.73E+10	529.0	21.00	94.00	73.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
730	NRG6551A533B1	ZN1		PWR	Y	PZN101	P		TL	75278	1.56E+19	5.76E+10	529.0	21.00	121.00	100.00	0.239	1.375	1.375	0.010	0.015	0.202	0.490	0.082	0.467	0.110	Babcock & Wilcox				
731																															
732	NRG6551A533B1	ZN2		PWR	U	PZN201	P		LT	11583	2.70E+18	6.48E+10	528.0	31.00	73.00	42.00	0.160	1.315	1.315	0.007	0.013	0.235	0.530	0.065	0.495	0.120	Babcock & Wilcox				
733	NRG6551A533B1	ZN2		PWR	T	PZN201	P		LT	31389	7.79E+18	6.89E+10	528.0	31.00	102.00	71.00	0.160	1.315	1.315	0.007	0.013	0.235	0.530	0.065	0.495	0.120	Babcock & Wilcox				
734	NRG6551A533B1	ZN2		PWR	Y	PZN201	P		LT	80556	1.46E+19	5.03E+10	528.0	31.00	126.00	94.00	0.160	1.315	1.315	0.007	0.013	0.235	0.530	0.065	0.495	0.120	Babcock & Wilcox				
735																															
736	NRG6551A533B1	ZN2		PWR	U	PZN201	P		TL	11583	2.70E+18	6.48E+10	528.0	47.00	100.00	53.00	0.160	1.315	1.315	0.007	0.013	0.235	0.530	0.065	0.495	0.120	Babcock & Wilcox				
737	NRG6551A533B1	ZN2		PWR	T	PZN201	P		TL	31389	7.79E+18	6.89E+10	528.0	47.00	130.00	83.00	0.160	1.315	1.315	0.007	0.013	0.235	0.530	0.065	0.495	0.120	Babcock & Wilcox				
738	NRG6551A533B1	ZN2		PWR	Y	PZN201	P		TL	80556	1.46E+19	5.03E+10	528.0	47.00	168.00	121.00	0.160	1.315	1.315	0.007	0.013	0.235	0.530	0.065	0.495	0.120	Babcock & Wilcox				
739																															
740	NRG6551A302B	TP3		PWR	T	SASTM	SRM		LT	10056	7.39E+18	2.04E+11	547.0	37.00	117.00	80.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
741	NRG6551A302B	GIN		PWR	V	SASTM	SRM		LT	12361	5.85E+18	1.31E+11	552.0	37.00	127.00	90.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
742	NRG6551A302B	IP2		PWR	T	SASTM	SRM		LT	12444	2.43E+18	5.42E+10	534.0	37.00	96.00	59.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
743	NRG6551A302B	PB1		PWR	V	SASTM	SRM		LT	13028	6.34E+18	1.35E+11	542.0	37.00	132.00	95.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
744	5-00Calib A302B	SO1		PWR	A	SASTM	SRM		LT	16278	1.75E+19	2.99E+11	552.0	37.00	147.00	110.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
745	NRG6551A302B	IP2		PWR	Y	SASTM	SRM		LT	20833	4.53E+18	6.04E+10	529.0	37.00	104.00	67.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
746	NRG6551A302B	CTY		PWR	F	SASTM	SRM		LT	21278	4.63E+18	6.04E+10	537.0	37.00	123.00	86.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
747	NRG6551A302B	GIN		PWR	R	SASTM	SRM		LT	22333	1.10E+19	1.37E+11	550.0	37.00	133.00	97.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
748	5-00Calib A302B	SO1		PWR	D	SASTM	SRM		LT	24722	3.48E+19	3.91E+11	552.0	37.00	185.00	148.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
749	7-03B-OCA302B	OYS		BWR	H	SASTM	SRM		LT	27387	1.54E+18	1.56E+10	530.0	36.91	105.05	68.14	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	US STEEL [1]				
750	NRG6551A302B	TP3		PWR	S	SASTM	SRM		LT	30278	1.72E+19	1.58E+11	544.5	37.00	137.00	100.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
751	NRG6551A302B	PB1		PWR	S	SASTM	SRM		LT	31667	8.29E+18	7.27E+10	542.0	37.00	129.00	92.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
752	NRG6551A302B	PB1		PWR	R	SASTM	SRM		LT	44722	2.19E+19	1.36E+11	542.0	37.00	149.00	112.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
753	NRG6551A302B	IP2		PWR	Z	SASTM	SRM		LT	45833	1.08E+19	6.55E+10	525.0	37.00	125.00	88.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
754	NRG6551A302B	GIN		PWR	T	SASTM	SRM		LT	60278	1.91E+19	8.80E+10	548.0	37.00	127.00	90.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
755	NRG6551A302B	CTY		PWR	H	SASTM	SRM		LT	66667	1.55E+19	6.46E+10	537.0	37.00	156.00	119.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
756	5-00Calib A302B	SO1		PWR	F	SASTM	SRM		LT	67500	3.85E+19	1.58E+11	552.0	37.00	161.00	124.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Combustion Engineering				
757	NRG6551A302B	TP3		PWR	V	SASTM	SRM		LT	70556	1.53E+19	6.02E+10	547.0	37.00	131.00	94.00	0.240	1.340	1.340	0.014	0.023	0.230	0.180	0.110	0.510	0.200	Babcock & Wilcox				
758	NRG6551A302B	IP2		PWR	V																										

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
781	5-00Calib	A533B1	FC1	PWR	W275	SHSS01	SRM	LT	118519	1.28E+19	3.00E+10	538.0	29.74	186.00	156.00	0.219	1.465	1.465	0.010	0.015	0.186	0.665	0.103	0.548	0.174	Combustion Engineering				
782	5-04	A533B1	WF3	PWR	W263	SHSS01	SRM	LT	121231	1.45E+19	3.32E+10	553.0	29.74	186.89	157.15	0.219	1.465	1.465	0.010	0.015	0.186	0.665	0.103	0.548	0.174	Combustion Engine [33]				
783	5-04	A533B1	SO3	PWR	W263	SHSS01	SRM	LT	130353	2.47E+19	5.27E+10	549.6	29.74	156.04	126.30	0.219	1.465	1.465	0.010	0.015	0.186	0.665	0.103	0.548	0.174	Combustion Engine [30]				
784	7-03P	A533B1	AN2	PWR	w104	SHSS01	SRM	LT	137424	2.94E+19	5.94E+10	553.0	29.74	163.74	134.00	0.219	1.465	1.465	0.010	0.015	0.186	0.665	0.103	0.548	0.174	Combustion Engineering				
785																														
786	NRG6551A533B1	OC1	PWR	F	SHSS02	SRM	LT	7303	5.70E+17	2.17E+10	556.0	47.00	56.00	9.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
787	NRG6551A533B1	AN1	PWR	E	SHSS02	SRM	LT	8281	7.27E+17	2.44E+10	556.0	47.00	55.00	8.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
788	5-04	A533B1	DB1	PWR	TM2-C	SHSS02	SRM	LT	9126	1.71E+18	5.20E+10	556.0	46.90	101.96	55.06	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox [52]				
789	NRG6551A533B1	SU1	PWR	T	SHSS02	SRM	LT	9389	2.82E+18	8.34E+10	534.0	47.00	119.00	72.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Rotterdamse Droogdok Madtdschappij (Netherland					
790	NRG6551A533B1	SA1	PWR	T	SHSS02	SRM	LT	9639	2.56E+18	7.38E+10	539.0	47.00	114.00	67.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
791	NRG6551A533B1	SU2	PWR	X	SHSS02	SRM	LT	10250	2.94E+18	7.97E+10	535.0	47.00	108.00	61.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Rotterdamse Droogdok Madtdschappij (Netherland					
792	NRG6551A533B1	TP4	PWR	T	SHSS02	SRM	LT	10278	7.08E+18	1.91E+11	547.0	47.00	134.00	87.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
793	NRG6551A533B1	OC2	PWR	C	SHSS02	SRM	LT	10561	1.02E+18	2.68E+10	556.0	47.00	89.00	42.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
794	NRG6551A533B1	ZN1	PWR	T	SHSS02	SRM	LT	10667	3.10E+18	8.07E+10	529.0	47.00	113.00	67.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
795	NRG6551A533B1	DC1	PWR	S	SHSS02	SRM	LT	11056	2.84E+18	7.14E+10	539.0	47.00	112.00	66.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
796	NRG6551A533B1	CK1	PWR	T	SHSS02	SRM	LT	11111	2.69E+18	6.73E+10	537.0	47.00	105.00	58.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
797	NRG6551A533B1	TM1	PWR	E	SHSS02	SRM	LT	11211	1.09E+18	2.70E+10	556.0	47.00	88.00	41.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
798	NRG6551A533B1	KWE	PWR	V	SHSS02	SRM	LT	11278	6.08E+18	1.50E+11	532.0	47.00	143.00	96.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
799	NRG6551A533B1	ZN2	PWR	U	SHSS02	SRM	LT	11583	2.70E+18	6.48E+10	528.0	47.00	97.00	50.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
800	NRG6551A533B1	PI1	PWR	V	SHSS02	SRM	LT	11722	5.40E+18	1.28E+11	527.0	47.00	149.00	102.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Societe des Forges et Ateliers du Creusot					
801	NRG6551A533B1	PI2	PWR	V	SHSS02	SRM	LT	12222	5.78E+18	1.31E+11	527.0	47.00	169.00	122.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Societe des Forges et Ateliers du Creusot					
802	NRG6551A533B1	PB2	PWR	V	SHSS02	SRM	LT	13361	6.50E+18	1.35E+11	542.0	47.00	140.00	93.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
803	NRG6551A533B1	OC1	PWR	E	SHSS02	SRM	LT	14406	1.50E+18	2.89E+10	556.0	47.00	77.00	30.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
804	NRG6551A533B1	OC3+CR:	PWR	B	SHSS02	SRM	LT	16392	3.12E+18	5.29E+10	556.0	47.00	98.00	51.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
805	NRG6551A533B1	OC2+CR:	PWR	A	SHSS02	SRM	LT	18672	3.37E+18	5.01E+10	556.0	47.00	117.00	70.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
806	NRG6551A533B1	DB1	PWR	A	SHSS02	SRM	LT	29146	1.29E+19	1.23E+11	556.0	47.00	159.00	112.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
807	NRG6551A533B1	IP3	PWR	Y	SHSS02	SRM	LT	29167	7.24E+18	6.90E+10	540.0	47.00	192.00	145.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
808	NRG6551A533B1	CK1	PWR	X	SHSS02	SRM	LT	29722	8.13E+18	7.60E+10	537.0	47.00	147.00	100.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
809	NRG6551A533B1	TP4	PWR	S	SHSS02	SRM	LT	30000	1.43E+19	1.32E+11	547.0	47.00	150.00	103.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
810	NRG6551A533B1	PB2	PWR	T	SHSS02	SRM	LT	30278	8.61E+18	7.90E+10	542.0	47.00	166.00	119.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
811	NRG6551A533B1	SA1	PWR	Y	SHSS02	SRM	LT	31389	9.30E+18	8.23E+10	539.0	47.00	178.00	132.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
812	NRG6551A533B1	ZN1	PWR	U	SHSS02	SRM	LT	31389	1.02E+19	9.03E+10	529.0	47.00	171.00	124.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
813	NRG6551A533B1	ZN2	PWR	T	SHSS02	SRM	LT	31389	7.79E+18	6.89E+10	528.0	47.00	146.00	99.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
814	NRG6551A533B1	AN1+DB1	PWR	A	SHSS02	SRM	LT	30912	1.03E+19	9.26E+10	556.0	47.00	118.00	71.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
815	NRG6551A533B1	CR3	PWR	C	SHSS02	SRM	LT	35568	6.56E+18	5.12E+10	556.0	47.00	129.00	82.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
816	NRG6551A533B1	PI2	PWR	T	SHSS02	SRM	LT	36111	1.09E+19	8.38E+10	527.0	47.00	207.00	160.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Societe des Forges et Ateliers du Creusot					
817	NRG6551A533B1	OC1+CR:	PWR	A	SHSS02	SRM	LT	38093	8.95E+18	6.53E+10	556.0	47.00	129.00	82.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
818	NRG6551A533B1	TM1+CR:	PWR	C	SHSS02	SRM	LT	38371	8.66E+18	6.27E+10	556.0	47.00	124.00	77.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
819	NRG6551A533B1	KWE	PWR	R	SHSS02	SRM	LT	40556	1.90E+19	1.30E+11	532.0	47.00	201.00	154.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
820	NRG6551A533B1	CK1	PWR	Y	SHSS02	SRM	LT	43333	1.23E+19	7.88E+10	537.0	47.00	155.00	108.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
821	NRG6551A533B1	ZN1	PWR	X	SHSS02	SRM	LT	45278	1.26E+19	7.73E+10	529.0	47.00	165.00	118.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
822	NRG6551A533B1	PB2	PWR	R	SHSS02	SRM	LT	45556	2.20E+19	1.34E+11	542.0	47.00	200.00	153.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
823	NRG6551A533B1	AN1+DB1	PWR	C	SHSS02	SRM	LT	46908	1.46E+19	8.65E+10	556.0	47.00	122.00	75.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
824	NRG6551A533B1	PI1	PWR	P	SHSS02	SRM	LT	50278	1.46E+19	8.07E+10	527.0	47.00	207.00	161.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Societe des Forges et Ateliers du Creusot					
825	NRG6551A533B1	DC1	PWR	Y	SHSS02	SRM	LT	51389	9.41E+18	5.09E+10	540.0	47.00	155.00	109.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
826	NRG6551A533B1	OC1+CR:	PWR	C	SHSS02	SRM	LT	51888	9.86E+18	5.28E+10	556.0	47.00	122.00	75.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox					
827	NRG6551A533B1	SA1	PWR	Z	SHSS02	SRM	LT	53056	1.23E+19	6.44E+10	539.0	47.00	182.00	135.00	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engineering					
828	NRG6551A533B1																													

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
845	7-03P	A533B1	DC1	PWR	V	SHSS02	SRM		LT	125005	1.37E+19	3.04E+10	541.0	46.93	158.89	111.96	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Combustion Engine [17]			
846	7-03P	A533B1	SU2	PWR	Y	SHSS02	SRM		LT	177828	2.73E+19	4.26E+10	543.0	46.93	187.74	140.81	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Rotterdamse Droog [15]			
847	Found that the OYS and PWR-5 specimens were machined in the TL orientation, so pooled the raw data to get UTT30 in TL orient.																													
848	7-03B-OC	A533B1	OYS	BWR	H	SHSS02	SRM		TL	27381	1.38E+18	1.40E+10	530.0	25.84	103.16	77.32	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	LUKENS STEEL	[1], [50]		
849	7-03P-DB	A533B1	DB1	PWR	PWR-5	SHSS02	SRM		TL	49096	1.14E+19	6.45E+10	556.0	25.84	168.80	142.96	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	Babcock & Wilcox	[3]		
850	7-03B-OC	A533B1	OYS	BWR	F	SHSS02	SRM		TL	57615	1.87E+18	9.03E+09	530.0	25.84	107.03	81.19	0.217	1.478	1.478	0.011	0.015	0.225	0.640	0.095	0.502	0.170	LUKENS STEEL	[2], [50]		
851																														
852	NRG6551A	A533B1	AN1	PWR	E	WAN101	W	L80	TL	8281	7.27E+17	2.44E+10	556.0	8.00	108.00	100.00	0.090	1.490	1.490	0.016	0.016	0.510	0.580	0.060	0.390	0.270	Babcock & Wilcox			
853	NRG6551A	A533B1	AN1+DB1	PWR	A	WAN101	W	L80	TL	30912	1.03E+19	9.26E+10	556.0	8.00	153.00	145.00	0.090	1.490	1.490	0.016	0.016	0.510	0.580	0.060	0.390	0.270	Babcock & Wilcox			
854	NRG6551A	A533B1	AN1+DB1	PWR	C	WAN101	W	L80	TL	46908	1.46E+19	8.65E+10	556.0	8.00	182.00	174.00	0.090	1.490	1.490	0.016	0.016	0.510	0.580	0.060	0.390	0.270	Babcock & Wilcox			
855																														
856	NRG6551A	A533B1	AN2	PWR	W97	WAN201	W	L0091	TL	14815	3.34E+18	6.26E+10	553.0	-2.00	12.00	14.00	0.130	1.330	1.330	0.007	0.009	0.140	0.083	0.020	0.620	0.044	Combustion Engineering			
857	7-03P	A533B1	AN2	PWR	W104	WAN201	W	L0091	TL	137424	2.94E+19	5.94E+10	553.0	-1.95	22.25	24.20	0.130	1.330	1.330	0.007	0.009	0.140	0.083	0.020	0.620	0.044	Combustion Engineering			
858																														
859	NRG6551A	A5083	BD1	PWR	U	WBD101	W	L80	TL	9639	3.70E+18	1.07E+11	551.0	-28.00	-9.00	18.00	0.065	1.467	1.467	0.017	0.013	0.488	0.657	0.090	0.443	0.032	Babcock & Wilcox			
860	NRG6551A	A5083	BD1	PWR	X	WBD101	W	L80	TL	37080	1.14E+19	8.54E+10	551.0	-28.00	4.00	32.00	0.065	1.467	1.467	0.017	0.013	0.488	0.657	0.090	0.443	0.032	Babcock & Wilcox			
861	7-03P	A5083	BD1	PWR	W	WBD101	W	L80	TL	66664	2.09E+19	8.71E+10	551.0	-27.48	24.24	51.72	0.065	1.467	1.467	0.017	0.013	0.488	0.657	0.090	0.443	0.032	Babcock & Wilcox [8]			
862																														
863	NRG6551A	A5083	BD2	PWR	U	WBD201	W	L80	TL	10056	3.85E+18	1.06E+11	558.0	-19.00	-19.00	-1.00	0.068	1.445	1.445	0.015	0.013	0.505	0.718	0.091	0.450	0.033	Babcock & Wilcox			
864	5-00Calib	A5083	BD2	PWR	X	WBD201	W	L80	TL	36880	1.13E+19	8.51E+10	558.0	-19.00	6.00	24.00	0.068	1.445	1.445	0.015	0.013	0.505	0.718	0.091	0.450	0.033	Babcock & Wilcox			
865	7-03P	A5083	BD2	PWR	W	WBD201	W	L80	TL	74723	2.25E+19	8.36E+10	558.0	-19.00	4.26	23.26	0.068	1.445	1.445	0.015	0.013	0.505	0.718	0.091	0.450	0.033	Babcock & Wilcox [9]			
866																														
867	NRG6551A	A302BM	BF2	BWR	30D	WBF201	W		TL	79299	1.52E+17	5.32E+08	528.0	-48.00	-20.00	28.00	0.150	1.490	1.490	0.010	0.011	0.090	0.330	#####	0.490	0.200	Babcock & Wilcox			
868																														
869	NRG6551A	A302B	BR	BW	a	119	WBR_01	W		TS	6578	1.50E+18	6.33E+10	570.0	-72.00	-23.00	49.00	0.120	1.250	1.250	0.014	0.012	0.280	0.100	0.190	0.530	0.270	Combustion Engineering		
870	NRG6551A	A302B	BR	BW	a	127	WBR_01	W		TS	26114	7.10E+18	7.55E+10	570.0	-72.00	69.00	141.00	0.120	1.250	1.250	0.014	0.012	0.280	0.100	0.190	0.530	0.270	Combustion Engineering		
871	NRG6551A	A302B	BR	BW	a	125	WBR_01	W		TS	75556	2.27E+19	8.35E+10	570.0	-72.00	51.00	123.00	0.120	1.250	1.250	0.014	0.012	0.280	0.100	0.190	0.530	0.270	Combustion Engineering		
872																														
873	NRG6551A	A533B1	BV1	PWR	V	WBV101	W	L1092	TL	10167	2.81E+18	7.68E+10	545.0	-63.00	92.00	154.00	0.117	1.395	1.395	0.013	0.005	0.274	0.629	0.022	0.480	0.245	Combustion Engineering			
874	NRG6551A	A533B1	BV1	PWR	U	WBV101	W	L1092	TL	31389	6.53E+18	5.78E+10	545.0	-63.00	98.00	161.00	0.117	1.395	1.395	0.013	0.005	0.274	0.629	0.022	0.480	0.245	Combustion Engineering			
875	NRG6551A	A533B1	BV1	PWR	W	WBV101	W	L1092	TL	51667	9.13E+18	4.91E+10	545.0	-63.00	119.00	182.00	0.117	1.395	1.395	0.013	0.005	0.274	0.629	0.022	0.480	0.245	Combustion Engineering			
876	7-03P	A533B1	BV1	PWR	Y	WBV101	W	L1092	TL	125268	2.15E+19	4.77E+10	543.0	-62.69	110.78	173.47	0.117	1.395	1.395	0.013	0.005	0.274	0.629	0.022	0.480	0.245	Combustion Engine [6]			
877																														
878	5-04	A533B1	BV2	PWR	U	WBV201	W	L0091	TL	10889	6.30E+18	1.61E+11	543.0	-27.15	-11.01	16.14	0.100	1.170	1.170	0.008	0.011	0.140	0.070	0.070	0.490	0.080	Combustion Engine [46]			
879	5-04	A533B1	BV2	PWR	V	WBV201	W	L0091	TL	52420	2.64E+19	1.40E+11	543.0	-27.15	-4.47	22.68	0.100	1.170	1.170	0.008	0.011	0.140	0.070	0.070	0.490	0.080	Combustion Engine [26]			
880	7-03P	A533B1	BV2	PWR	W	WBV201	W	L0091	TL	85585	3.63E+19	1.18E+11	543.0	-27.15	-18.36	8.79	0.100	1.170	1.170	0.008	0.011	0.140	0.070	0.070	0.490	0.080	Combustion Engine [7]			
881																														
882	7-03B-OC	SAW	OYS	BWR	H	WBWL80	W	L80	TL	27376	1.50E+18	1.52E+10	530.0	38.20	200.70	162.50	0.080	1.540	1.540	0.014	0.011	0.530	0.560	#####	0.330	0.260	Babcock & Wilcox [1], [50]			
883	7-03B-OC	SAW	OYS	BWR	F	WBWL80	W	L80	TL	57615	1.94E+18	9.36E+09	530.0	38.20	162.43	124.23	0.080	1.540	1.540	0.014	0.011	0.530	0.560	#####	0.330	0.260	Babcock & Wilcox [2], [50]			
884	Note Brian Hall suggests WBWL01 - WBWL02 for the welds above & below																													
885	7-03B-OC	SAW	OYS	BWR	F	WBWL80_1	W	L80	TL	57614	1.92E+18	9.25E+09	530.0	9.73	149.94	140.21	####	1.630	1.630	0.019	0.008	0.600	0.570	#####	#####	0.280	Babcock & Wilcox [2]			
886																														
887	NRG6551A	A5082	BY1	PWR	U	WBY101	W	L80	TL	10083	3.72E+18	1.02E+11	551.0	-30.00	-26.00	4.00	0.080	1.443	1.443	0.011	0.014	0.535	0.690	0.099	0.417	0.022	Babcock & Wilcox			
888	NRG6551A	A5082	BY1	PWR	X	WBY101	W	L80	TL	49444	1.39E+19	7.81E+10	551.0	-30.00	10.00	40.00	0.080	1.443	1.443	0.011	0.014	0.535	0.690	0.099	0.417	0.022	Babcock & Wilcox			
889	5-00Calib	A5082	BY1	PWR	W	WBY101	W	L80	TL	80998	2.41E+19	8.26E+10	551.0	-30.04	20.24	50.00	0.080	1.443	1.443	0.011	0.014	0.535	0.690	0.099	0.417	0.022	Babcock & Wilcox			
890																														
891	NRG6551A	A5083	BY2	PWR	U	WBY201	W	L80	TL	10111	3.93E+18	1.08E+11	551.0	-71.00	-64.00	8.00	0.083	1.417	1.417	0.012	0.013	0.520	0.708	0.086	0.433	0.028	Babcock & Wilcox			
892	NRG6551A	A5083	BY2	PWR	W	WBY201	W	L80	TL	40587	1.21E+19	8.28E+10	551.0	-71.00	-42.00	29.00	0.083	1.417	1.417	0.012	0.013	0.520	0.708	0.086	0.433	0.028	Babcock & Wilcox			
893	5-00Calib	A5083	BY2	PWR	X	WBY201	W	L80	TL	75125	2.16E+19	7.99E+10	551.0	-71.27	-19.04	52.00	0.083	1.417	1.417	0.012	0.013	0.520	0.708	0.086	0.433	0.028	Babcock & Wilcox			
894																														
895	NRG6551A	A5082	CB1	PWR	Z	WCB1>																								

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL	
900	NRG6551A533B1	CB2	PWR	X	WCB201	W	L0091	TL	39722	1.22E+19	8.53E+10	562.0	-51.00	-19.00	32.00	0.140	1.163	1.163	0.008	0.010	0.133	0.153	0.043	0.568	0.042	Combustion Engineering					
901	7-03P	A533B1	CB2	PWR	V	WCB201	W	L0091	TL	80942	2.38E+19	8.17E+10	562.0	-51.00	7.02	58.02	0.140	1.163	1.163	0.008	0.010	0.133	0.153	0.043	0.568	0.042	Combustion Engine [11]				
902																															
903	NRG6551A533B1	CC1	PWR	W263	WCC101	W	L0091	TL	25772	6.20E+18	6.68E+10	545.0	-53.00	-10.00	43.00	0.150	1.254	1.254	0.009	0.028	0.291	0.160	0.036	0.470	0.177	Combustion Engineering					
904	5-00Calib	A533B1	CC1	PWR	W97	WCC101	W	L0091	TL	97222	2.64E+19	7.54E+10	545.0	-53.00	43.00	96.00	0.150	1.254	1.254	0.009	0.028	0.291	0.160	0.036	0.470	0.177	Combustion Engineering				
905																															
906	7-03P-DB	CE-4 (WIDB1	PWR	PWR-5	WCC101	W	L0091	TL	49096	1.14E+19	6.45E+10	556.0	-52.96	-1.50	51.46	0.150	1.050	1.050	0.014	0.013	0.200	0.180	0.036	0.550	0.160	Combustion Engine [3]					
907																															
908	NRG6551A533B1	CC2	PWR	W263	WCC201	W	L0091	TL	40114	8.06E+18	5.58E+10	545.0	-49.00	18.00	67.00	0.115	1.167	1.167	0.013	0.008	0.143	0.060	0.050	0.480	0.210	Combustion Engineering					
909	5-00Calib	A533B1	CC2	PWR	W97	WCC201	W	L0091	TL	96120	1.85E+19	5.35E+10	545.0	-49.00	30.00	78.00	0.115	1.167	1.167	0.013	0.008	0.143	0.060	0.050	0.480	0.210	Combustion Engineering				
910																															
911	7-03B-OC	SAW	OYS	BWR	D	WCEL_1	W	L1092	TL	27393	1.14E+18	1.16E+10	530.0	-41.84	86.74	128.58	####	####	1.426	0.014	0.009	0.210	1.000	#####	#####	0.220	Combustion Engine [1]				
912	7-03B-OC	SAW	OYS	BWR	I	WCEL_1	W	L1092	TL	57614	2.69E+18	1.30E+10	530.0	-41.84	151.83	193.67	####	####	1.426	0.014	0.009	0.210	1.000	#####	#####	0.220	Combustion Engine [1], [2]				
913																															
914	7-03B-OC	SAW	OYS	BWR	G	WCEL_2	W	L1092	TL	27382	1.87E+18	1.90E+10	530.0	-96.39	69.09	165.48	####	####	1.426	0.012	0.012	0.230	0.860	#####	#####	0.210	Combustion Engine [1]				
915	7-03B-OC	SAW	OYS	BWR	E	WCEL_2	W	L1092	TL	57616	1.76E+18	8.47E+09	530.0	-96.39	96.12	192.51	####	####	1.426	0.012	0.012	0.230	0.860	#####	#####	0.210	Combustion Engine [2]				
916																															
917	OL7-00	A533B1	CK1	PWR	T	WCK101	W	L1092	TL	11111	2.69E+18	6.73E+10	537.0	-97.00	-27.00	70.00	0.260	1.330	1.330	0.023	0.014	0.180	0.740	0.022	0.440	0.270	Combustion Engineering				
918	NRG6551A533B1	CK1	PWR	Y	WCK101	W	L1092	TL	43333	1.23E+19	7.88E+10	537.0	-97.00	86.00	184.00	0.260	1.330	1.330	0.023	0.014	0.180	0.740	0.022	0.440	0.270	Combustion Engineering					
919	OLNRG	A533B1	CK1	PWR	U	WCK101	W	L1092	TL	80556	1.77E+19	6.10E+10	537.0	-97.00	11.00	109.00	0.260	1.330	1.330	0.023	0.014	0.180	0.740	0.022	0.440	0.270	Combustion Engineering				
920																															
921	NRG6551A533B1	CK2	PWR	T	WCK201	W	L124	TL	9444	2.18E+18	6.41E+10	542.0	2.00	44.00	41.00	0.095	1.375	1.375	0.020	0.014	0.400	0.965	0.069	0.540	0.053	Chicago Bridge and Iron					
922	NRG6551A533B1	CK2	PWR	Y	WCK201	W	L124	TL	28333	6.62E+18	6.49E+10	542.0	2.00	47.00	45.00	0.095	1.375	1.375	0.020	0.014	0.400	0.965	0.069	0.540	0.053	Chicago Bridge and Iron					
923	NRG6551A533B1	CK2	PWR	X	WCK201	W	L124	TL	46111	1.03E+19	6.20E+10	542.0	2.00	69.00	67.00	0.095	1.375	1.375	0.020	0.014	0.400	0.965	0.069	0.540	0.053	Chicago Bridge and Iron					
924	NRG6551A533B1	CK2	PWR	U	WCK201	W	L124	TL	75833	1.50E+19	5.49E+10	542.0	2.00	54.00	51.00	0.095	1.375	1.375	0.020	0.014	0.400	0.965	0.069	0.540	0.053	Chicago Bridge and Iron					
925																															
926	NRG6551A533B1	CL1	PWR	U	WCL101	W	L124	TL	9222	3.47E+18	1.05E+11	558.0	-55.00	13.00	68.00	0.130	1.325	1.325	0.005	0.012	0.455	0.065	0.040	0.520	0.045	Combustion Engineering					
927	NRG6551A533B1	CL1	PWR	Y	WCL101	W	L124	TL	40278	1.30E+19	8.97E+10	558.0	-55.00	-16.00	39.00	0.130	1.325	1.325	0.005	0.012	0.455	0.065	0.040	0.520	0.045	Combustion Engineering					
928	5-04	A533B1	CL1	PWR	V	WCL101	W	L124	TL	86345	2.36E+19	7.59E+10	559.0	-54.91	-7.66	47.25	0.130	1.325	1.325	0.005	0.012	0.455	0.065	0.040	0.520	0.045	Combustion Engine [27]				
929	7-03P	A533B1	CL1	PWR	X	WCL101	W	L124	TL	108624	3.33E+19	8.52E+10	559.0	-54.91	-3.91	51.00	0.130	1.325	1.325	0.005	0.012	0.455	0.065	0.040	0.520	0.045	Combustion Engine [10]				
930																															
931	NRG6551A533B1	COF	BWR	3D	WCOF01	W		TL	49646	8.40E+17	4.70E+09	533.0	-36.00	-64.00	-28.00	####	1.700	1.700	0.012	####	0.240	0.760	#####	0.510	0.072	-999					
932																															
933	5-00Calib	A533B1	CP1	PWR	Y	WCP101	W	L0091	TL	54700	1.60E+19	8.13E+10	558.0	-64.74	-49.59	15.00	####	1.330	1.330	0.004	####	####	0.220	#####	#####	0.040	Combustion Engineering				
934	5-00Calib	A533B1	CP1	PWR	U	WCP101	W	L0091	TL	7972	3.53E+18	1.23E+11	558.0	-64.74	-81.00	-16.00	####	1.330	1.330	0.004	####	####	0.220	#####	#####	0.040	Combustion Engineering				
935																															
936	5-00Calib	A533B1	CP2	PWR	U	WCP201	W	L124	TL	7924	3.28E+18	1.15E+11	560.0	-50.00	-48.00	2.00	0.110	1.370	1.370	0.011	0.014	0.490	0.072	0.058	0.590	0.030	Combustion Engineering				
937																															
938	NRG6551A533B1	CR3	PWR	B	WCR301	W	L80	TL	6451	1.17E+18	5.04E+10	556.0	38.00	70.00	32.00	0.080	1.650	1.650	0.021	0.013	1.000	0.100	0.070	0.450	0.410	Babcock & Wilcox					
939	NRG6551A533B1	CR3	PWR	C	WCR301	W	L80	TL	35568	6.56E+18	5.12E+10	556.0	38.00	151.00	114.00	0.080	1.650	1.650	0.021	0.013	1.000	0.100	0.070	0.450	0.410	Babcock & Wilcox					
940	NRG6551A533B1	CR3	PWR	D	WCR301	W	L80	TL	41592	7.50E+18	5.01E+10	556.0	38.00	136.00	99.00	0.080	1.650	1.650	0.021	0.013	1.000	0.100	0.070	0.450	0.410	Babcock & Wilcox					
941	NRG6551A533B1	CR3	PWR	F	WCR301	W	L80	TL	45024	1.08E+19	6.66E+10	556.0	38.00	156.00	118.00	0.080	1.650	1.650	0.021	0.013	1.000	0.100	0.070	0.450	0.410	Babcock & Wilcox					
942																															
943	NRG6551A302B	CTY	PWR	A	WCTY01	W	ARCO	TL	14806	2.59E+18	4.86E+10	537.0	-49.00	52.00	100.00	0.047	1.304	1.304	0.018	0.019	0.325	0.044	0.061	0.516	0.205	Combustion Engineering					
944	NRG6551A302B	CTY	PWR	D	WCTY01	W	ARCO	TL	95278	2.28E+19	6.65E+10	537.0	-49.00	64.00	112.00	0.047	1.304	1.304	0.018	0.019	0.325	0.044	0.061	0.516	0.205	Combustion Engineering					
945																															
946	NRG6551A533B1	DAC	BWR	1	WDAC01	W		LT	52000	4.90E+17	2.62E+09	532.0	-45.00	-41.00	4.00	####	1.250	1.250	0.012	####	0.325	0.973	0.035	0.490	0.023	Chicago Bridge and Iron					
947	5-00Calib	A533B1	DAC	BWR	W36	WDAC01	W		LT	128860	1.10E+18	2.37E+09	532.0	-44.71	-29.61	15.00	####	1.250	1.250	0.012	####	0.325	0.973	0.035	0.490	0.023	Chicago Bridge and Iron				
948																															
949	7-03B-OC	SMAW	OYS	BWR	F	WDAC01	W		TL	57614	1.93E+18	9.32E+09	530.0	-44.70	-18.28	26.42	####	1.250	1.250	0.010	####	0.325	0.936	0.035	0.490	0.023	Chicago Bridge and [2]				
950																															
951	NRG6551A5082	DB1	PWR	F	WDB101	W	L80	TL	8976	1.96E+18	6.07E+10	556.0	-6.00	101.00	107.00	0.089	1.705	1.705	0.014	0.013	0.422	0.630	0.150	0.400	0.220	Babcock & Wilcox					

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
955	7-03P	A5082	DB1	PWR	A3	WDB101	W	L80	TL	68935	1.06E+19	4.27E+10	556.0	-5.70	208.76	214.46	0.089	1.705	1.705	0.014	0.013	0.422	0.630	0.150	0.400	0.220	Babcock & Wilcox [41]			
956																														
957	NRG6551A533B1	DC1	PWR	S		WDC101	W	L1092	TL	11056	2.84E+18	7.14E+10	539.0	-68.00	45.00	113.00	0.097	1.347	1.347	0.013	0.016	0.214	1.000	0.113	0.501	0.196	Combustion Engineering			
958	NRG6551A533B1	DC1	PWR	Y		WDC101	W	L1092	TL	51389	9.41E+18	5.09E+10	540.0	-68.00	166.00	233.00	0.097	1.347	1.347	0.013	0.016	0.214	1.000	0.113	0.501	0.196	Combustion Engineering			
959	7-03P	A533B1	DC1	PWR	V	WDC101	W	L1092	TL	125005	1.37E+19	3.04E+10	541.0	-67.82	136.65	204.47	0.097	1.347	1.347	0.013	0.016	0.214	1.000	0.113	0.501	0.196	Combustion Engine [17]			
960																														
961	NRG6551A533B1	DC2	PWR	U		WDC201	W	L1092	TL	8694	3.65E+18	1.17E+11	542.0	-13.00	160.00	173.00	0.127	1.403	1.403	0.015	0.007	0.158	0.871	0.049	0.493	0.219	Combustion Engineering			
962	NRG6551A533B1	DC2	PWR	X		WDC201	W	L1092	TL	27250	9.16E+18	9.34E+10	541.0	-13.00	190.00	203.00	0.127	1.403	1.403	0.015	0.007	0.158	0.871	0.049	0.493	0.219	Combustion Engineering			
963	NRG6551A533B1	DC2	PWR	Y		WDC201	W	L1092	TL	61362	1.32E+19	5.98E+10	540.0	-13.00	198.00	211.00	0.127	1.403	1.403	0.015	0.007	0.158	0.871	0.049	0.493	0.219	Combustion Engineering			
964	7-03P	A533B1	DC2	PWR	V	WDC201	W	L1092	TL	100652	2.41E+19	6.65E+10	545.0	-12.67	211.85	224.52	0.127	1.403	1.403	0.015	0.007	0.158	0.871	0.049	0.493	0.219	Combustion Engine [12]			
965																														
966	NRG6551A302BM	DR3	BWR	13		WDR301	W		TL	8460	9.26E+15	3.04E+08	529.0	45.00	35.00	-10.00	0.209	1.780	1.780	0.009	0.017	0.213	0.345	0.065	0.522	0.212	Babcock & Wilcox			
967	NRG6551A302BM	DR3	BWb	14		WDR301	W		TL	8460	7.11E+18	2.33E+11	546.0	45.00	181.00	136.00	0.209	1.780	1.780	0.009	0.017	0.213	0.345	0.065	0.522	0.212	Babcock & Wilcox			
968	NRG6551A302BM	DR3	BWb	12		WDR301	W		TL	13200	1.36E+19	2.86E+11	546.0	45.00	146.00	101.00	0.209	1.780	1.780	0.009	0.017	0.213	0.345	0.065	0.522	0.212	Babcock & Wilcox			
969	NRG6551A302BM	DR3	BWb	4		WDR301	W		TL	23564	1.61E+19	1.90E+11	546.0	45.00	184.00	139.00	0.209	1.780	1.780	0.009	0.017	0.213	0.345	0.065	0.522	0.212	Babcock & Wilcox			
970	NRG6551A302BM	DR3	BWR	18		WDR301	W		TL	52421	7.10E+16	3.76E+08	529.0	45.00	37.00	-8.00	0.209	1.780	1.780	0.009	0.017	0.213	0.345	0.065	0.522	0.212	Babcock & Wilcox			
971																														
972	NRG6551A302B	DR3	BWb	14		WDR302	W		TL	8460	7.11E+18	2.33E+11	546.0	-47.00	151.00	198.00	0.090	1.750	1.750	0.013	0.013	0.540	0.730	0.100	0.420	0.350	Babcock & Wilcox			
973	NRG6551A302B	DR3	BWb	12		WDR302	W		TL	13200	1.36E+19	2.86E+11	546.0	-47.00	155.00	201.00	0.090	1.750	1.750	0.013	0.013	0.540	0.730	0.100	0.420	0.350	Babcock & Wilcox			
974	NRG6551A302B	DR3	BWb	4		WDR302	W		TL	23564	1.08E+19	1.27E+11	546.0	-47.00	212.00	259.00	0.090	1.750	1.750	0.013	0.013	0.540	0.730	0.100	0.420	0.350	Babcock & Wilcox			
975																														
976	5-00Calib A533B1	FA1	PWR	Y		WFA101	W	L0091	TL	10111	5.73E+18	1.57E+11	544.0	-73.00	1.00	74.00	0.130	1.060	1.060	0.016	0.009	0.270	0.190	0.063	0.500	0.140	Combustion Engineering			
977	5-00Calib A533B1	FA1	PWR	U		WFA101	W	L0091	TL	27056	1.75E+19	1.80E+11	544.0	-73.00	-2.00	72.00	0.130	1.060	1.060	0.016	0.009	0.270	0.190	0.063	0.500	0.140	Combustion Engineering			
978	5-00Calib A533B1	FA1	PWR	X		WFA101	W	L0091	TL	53611	2.99E+19	1.55E+11	544.0	-73.00	14.00	87.00	0.130	1.060	1.060	0.016	0.009	0.270	0.190	0.063	0.500	0.140	Combustion Engineering			
979	5-00Calib A533B1	FA1	PWR	W		WFA101	W	L0091	TL	108961	4.04E+19	1.03E+11	544.0	-73.00	23.00	96.00	0.130	1.060	1.060	0.016	0.009	0.270	0.190	0.063	0.500	0.140	Combustion Engineering			
980																														
981	5-00Calib A533B1	FA2	PWR	U		WFA201	W		TL	9750	6.12E+18	1.74E+11	544.0	-28.00	-44.00	-16.00	0.139	0.937	0.937	0.004	0.014	0.324	0.900	0.027	0.234	0.030	Combustion Engineering			
982	5-00Calib A533B1	FA2	PWR	W		WFA201	W		TL	34722	1.67E+19	1.34E+11	544.0	-28.00	-29.00	-1.00	0.139	0.937	0.937	0.004	0.014	0.324	0.900	0.027	0.234	0.030	Combustion Engineering			
983	5-00Calib A533B1	FA2	PWR	X		WFA201	W		TL	56389	3.02E+19	1.49E+11	544.0	-28.00	-47.00	-19.00	0.139	0.937	0.937	0.004	0.014	0.324	0.900	0.027	0.234	0.030	Combustion Engineering			
984	5-00Calib A533B1	FA2	PWR	Z		WFA201	W		TL	116062	5.28E+19	1.26E+11	543.0	-27.97	-12.44	16.00	0.139	0.937	0.937	0.004	0.014	0.324	0.900	0.027	0.234	0.030	Combustion Engineering			
985																														
986	NRG6551A533B1	FC1	PWR	W225		WFC101	W	L1092	TL	22753	5.53E+18	6.75E+10	527.0	-32.00	178.00	210.00	0.140	1.563	1.563	0.013	0.012	0.202	0.600	0.030	0.527	0.301	Combustion Engineering			
987	NRG6551A533B1	FC1	PWR	W265		WFC101	W	L1092	TL	51895	7.71E+18	4.13E+10	534.0	-32.00	193.00	225.00	0.140	1.563	1.563	0.013	0.012	0.202	0.600	0.030	0.527	0.301	Combustion Engineering			
988	5-00Calib A533B1	FC1	PWR	W275		WFC101	W	L1092	TL	118519	1.28E+19	3.00E+10	538.0	-32.00	187.00	219.00	0.140	1.563	1.563	0.013	0.012	0.202	0.600	0.030	0.527	0.301	Combustion Engineering			
989																														
990	7-03P-DB	CE-3 (W)	DB1	PWR	PWR-5	WFC101	W	L1092	TL	49096	1.14E+19	6.45E+10	556.0	-31.70	145.63	177.33	0.140	1.570	1.570	0.013	0.011	0.140	0.600	0.030	0.500	0.350	Combustion Engine [3]			
991																														
992	7-03B-OC	SAW	OYS	BWR	D	WGG_01	W	L124	TL	27380	1.17E+18	1.19E+10	530.0	-27.05	-26.84	0.21	0.070	1.330	1.330	0.012	0.017	0.430	0.900	0.000	0.390	0.010	Chicago Bridge and [1], [50]			
993	7-03B-OC	SAW	OYS	BWR	G	WGG_01	W	L124	TL	27382	1.87E+18	1.90E+10	530.0	-27.05	6.76	33.81	0.070	1.330	1.330	0.012	0.017	0.430	0.900	0.000	0.390	0.010	Chicago Bridge and [1], [50]			
994	7-03B-OC	SAW	OYS	BWR	E	WGG_01	W	L124	TL	57614	1.77E+18	8.54E+09	530.0	-27.05	-22.38	4.67	0.070	1.330	1.330	0.012	0.017	0.430	0.900	0.000	0.390	0.010	Chicago Bridge and [2], [50]			
995	7-03B-OC	SAW	OYS	BWR	I	WGG_01	W	L124	TL	57615	2.75E+18	1.32E+10	530.0	-27.05	-4.78	22.27	0.070	1.330	1.330	0.012	0.017	0.430	0.900	0.000	0.390	0.010	Chicago Bridge and [2], [50]			
996																														
997	NRG6551A5082	GIN	PWR	V		WGIN01	W	L80	TL	12361	5.03E+18	1.13E+11	552.0	-36.00	111.00	148.00	0.070	1.300	1.300	0.009	0.018	0.500	0.520	0.030	0.290	0.240	Babcock &			

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
1010																														
1011	NRG6551A533B1	HOP		BWR	30D	WHOP01	W	1125-0	TL	52646	1.42E+17	7.49E+08	532.0	-55.00	-6.00	49.00	0.110	1.480	1.480	0.014	0.005	0.310	0.590	0.011	0.400	0.080	Babcock & Wilcox	[34]		
1012																														
1013	5-00Calib A5082	CR3	PWR	C1	WHSS63	W	L80	TL		23352	7.79E+18	9.27E+10	556.0	-18.00	187.00	205.00	0.090	1.550	1.550	0.014	0.015	0.550	0.700	0.080	0.410	0.360	Babcock & Wilcox			
1014																														
1015	5-00Calib A5082	TM2+CR3	PWR	T1(LG1	WTM202	W	L80	TL		40344	9.68E+18	6.66E+10	556.0	15.44	262.00	246.56	0.090	1.580	1.580	0.015	0.016	0.540	0.670	0.090	0.420	0.350	Babcock & Wilcox	[39]		
1016																														
1017	5-00Calib A5082	CR3	PWR	C1	WHSS65	W	L80	TL		23352	5.10E+18	6.07E+10	556.0	-25.59	116.00	141.59	0.080	1.450	1.450	0.016	0.016	0.510	0.590	0.090	0.380	0.220	Babcock & Wilcox			
1018	5-00Calib A5082	CR3	PWR	C2(LG2	WHSS65	W	L80	TL		72000	1.67E+19	6.44E+10	556.0	-25.59	144.00	170.00	0.080	1.450	1.450	0.016	0.016	0.510	0.590	0.090	0.380	0.220	Babcock & Wilcox	[40]		
1019																														
1020	5-00Calib A5082	SU2	PWR	W1	WHSS65	W	L80	TL		46608	6.69E+18	3.99E+10	546.0	-25.59	125.11	151.00	0.080	1.450	1.450	0.016	0.016	0.510	0.590	0.090	0.380	0.220	Babcock & Wilcox	[38]		
1021																														
1022	5-00Calib A5082	CR3	PWR	C2(LG2	WHSS66	W	L80	TL		72000	1.19E+19	4.59E+10	556.0	44.00	170.00	126.00	0.090	1.630	1.630	0.018	0.009	0.540	0.580	0.110	0.400	0.390	Babcock & Wilcox	[40]		
1023	5-00Calib A5082	DB1	PWR	D1	WHSS66	W	L80	TL		20160	6.63E+18	9.14E+10	556.0	44.00	181.00	138.00	0.090	1.630	1.630	0.018	0.009	0.540	0.580	0.110	0.400	0.390	Babcock & Wilcox			
1024																														
1025	5-00Calib A5082	SU2	PWR	W1	WHSS66	W	L80	TL		46608	6.44E+18	3.84E+10	546.0	43.52	228.47	185.00	0.090	1.630	1.630	0.018	0.009	0.540	0.580	0.110	0.400	0.390	Babcock & Wilcox	[38]		
1026	5-00Calib A5082	TM2+CR3	PWR	T1(LG1	WHSS66	W	L80	TL		40344	5.85E+18	4.03E+10	556.0	44.00	166.00	122.00	0.090	1.630	1.630	0.018	0.009	0.540	0.580	0.110	0.400	0.390	Babcock & Wilcox	[39]		
1027																														
1028	5-00Calib A5082	DB1	PWR	D1	WHSS67	W	L80	TL		20160	1.03E+19	1.42E+11	556.0	-33.00	105.00	138.00	0.080	1.450	1.450	0.011	0.013	0.490	0.590	0.080	0.380	0.270	Babcock & Wilcox			
1029																														
1030	5-00Calib A5082	CR3	PWR	C1	WHSSCR	W	L80	TL		23352	6.09E+18	7.24E+10	556.0	-1.00	167.00	168.00	0.080	1.550	1.550	0.021	0.016	0.580	0.600	0.100	0.400	0.220	Babcock & Wilcox			
1031	5-00Calib A5082	CR3	PWR	C2(LG2	WHSSCR	W	L80	TL		72000	1.95E+19	7.52E+10	556.0	-1.00	137.00	138.00	0.080	1.550	1.550	0.021	0.016	0.580	0.600	0.100	0.400	0.220	Babcock & Wilcox	[40]		
1032																														
1033	7-03P-DB B&W-3	DB1	PWR	PWR-5	WHSSCR	W	L80	TL		49096	1.14E+19	6.45E+10	556.0	-1.17	165.13	166.30	0.080	1.550	1.550	0.021	0.016	0.580	0.600	0.100	0.400	0.220	Babcock & Wilcox	[3]		
1034																														
1035	5-00Calib A5082	DB1	PWR	D1	WHSSDB	W	L80	TL		20160	8.21E+18	1.13E+11	556.0	-46.00	144.00	189.00	0.080	1.470	1.470	0.016	0.015	0.540	0.590	0.070	0.400	0.320	Babcock & Wilcox			
1036																														
1037	NRG6551A302B	IP2	PWR	Y	WIP201	W	L1092	TL		20833	4.53E+18	6.04E+10	529.0	-68.00	128.00	196.00	####	####	1.426	0.019	####	####	1.150	####	####	0.200	Combustion Engineering			
1038	NRG6551A302B	IP2	PWR	V	WIP201	W	L1092	TL		75833	5.06E+18	1.85E+10	524.0	-68.00	128.00	196.00	####	####	1.426	0.019	####	####	1.150	####	####	0.200	Combustion Engineering			
1039																														
1040	NRG6551A302B	IP3	PWR	T	WIP301	W	L1092	TL		12000	3.12E+18	7.22E+10	540.0	-70.00	85.00	155.00	0.080	1.180	1.180	0.019	0.016	0.170	1.080	0.040	0.530	0.155	Combustion Engineering			
1041	NRG6551A302B	IP3	PWR	Y	WIP301	W	L1092	TL		29167	7.24E+18	6.90E+10	540.0	-70.00	106.00	176.00	0.080	1.180	1.180	0.019	0.016	0.170	1.080	0.040	0.530	0.155	Combustion Engineering			
1042	NRG6551A302B	IP3	PWR	Z	WIP301	W	L1092	TL		48889	1.04E+19	5.91E+10	540.0	-70.00	165.00	235.00	0.080	1.180	1.180	0.019	0.016	0.170	1.080	0.040	0.530	0.155	Combustion Engineering			
1043																														
1044	NRG6551A533B1	KU1	BWR	177D	WKU101	W		TL		59968	9.60E+17	4.45E+09	533.0	-31.00	-15.00	15.00	0.096	1.300	1.300	0.009	0.012	0.370	0.880	0.083	0.450	0.080	-999			
1045																														
1046	NRG6551A533B1	KU2	BWR	3D	WKU201	W		TL		61223	1.10E+18	4.99E+09	533.0	-38.00	-4.00	34.00	0.086	1.430	1.430	0.010	0.016	0.400	0.870	0.092	0.440	0.050	-999			
1047																														
1048	NRG6551A5082	KWE	PWR	V	WKWE01	W	L1092	TL		11278	6.08E+18	1.50E+11	532.0	-69.00	126.00	194.00	0.120	1.370	1.370	0.016	0.011	0.200	0.724	0.090	0.480	0.218	Combustion Engineering			
1049	NRG6551A5082	KWE	PWR	R	WKWE01	W	L1092	TL		40556	1.90E+19	1.30E+11	532.0	-69.00	180.00	249.00	0.120	1.370	1.370	0.016	0.011	0.200	0.724	0.090	0.480	0.218	Combustion Engineering			
1050	NRG6551A5082	KWE	PWR	P	WKWE01	W	L1092	TL		97500	2.84E+19	8.09E+10	532.0	-69.00	180.00	248.00	0.120	1.370	1.370	0.016	0.011	0.200	0.724	0.090	0.480	0.218	Combustion Engineering			
1051	NRG6551A5082	KWE	PWR	S	WKWE01	W	L1092	TL		142009	3.45E+19	6.75E+10	532.0	-69.00	180.00	249.00	0.120	1.370	1.370	0.016	0.011	0.200	0.724	0.090	0.480	0.218	Combustion Engineering			
1052																														
1053	NRG6551A533B1	LS1	BWR	300D	WLS101	W	L1092	TL		56979	9.00E+16	4.39E+08	533.0	-69.00	-12.00	56.00	0.120	1.490	1.490	0.016	0.011	0.230	0.780	0.080	0.520	0.210	Combustion Engine	[35]		
1054																														
1055	NRG6551A533B1	LS2	BWR	300D	WLS201	W	L124	LT		61217	1.15E+17	5.22E+08	533.0	-60.00	-40.00	20.00	0.069	1.470	1.470	0.010	0.015	0.370	0.890	0.080	0.470	0.040	Chicago Bridge and	[36]		
1056																														
1057	NRG6551A533B1	MC1	PWR	U	WMC101	W	L1092	TL		9556	4.43E+18	1.29E+11	558.0	-11.00	146.00	157.00	0.100	1.275	1.275	0.013	0.008	0.235	0.874	0.045	0.545	0.198	Combustion Engineering			
1058	NRG6551A533B1	MC1	PWR	X	WMC101	W	L1092	TL		37778	1.46E+19	1.07E+11	557.0	-11.00	155.00	167.00	0.100	1.275	1.275	0.013	0.008	0.235	0.874	0.045	0.545	0.198	Combustion Engineering			
1059	5-04 A533B1	MC1	PWR	V	WMC101	W	L1092	TL		63466	2.19E+19	9.57E+10	557.0	-11.22	164.64	175.86	0.100	1.275	1.275	0.013	0.008	0.235	0.874	0.045	0.545	0.198	Combustion Engineering	[28]		
1060	5-00Calib A533B1	MC1	PWR	Y	WMC101	W	L1092	TL		89501	2.93E+19	9.09E+10	557.0	-11.22	174.26	185.00	0.100	1.275	1.275	0.013	0.008	0.235	0.874	0.045	0.545	0.198	Combustion Engineering			
1061																														
1062	NRG6551A5082	MC2	PWR	V	WMC201	W	LW320	TL		9000	3.33E+18	1.03E+11	558.0	-52.00	-13.00	39.00	0.059	1.830	1.830	0.013	0.009	0.200	0.736	0.035	0.575	0.036	Rotterdamse Droogdok Madtdschappij (Netherland			
1063	NRG6551A5082	MC2	PWR	X	WMC201	W	LW320	TL		36389	1.46E+19	1.11E+11																		

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL	
1071	The welds above and below have been assumed to be the same and the older chemistry values have been used above, based on Millstone1 Surveillance Weld Nickel.txt by Steve Byrne, 2/20/04. But note that the recorded Ni are unusually far apart (1.8																														
1072	NRG6551A302BM	ML1		BWR	210D	WML101	W	L1092	TS	78470	3.30E+17	1.17E+09	531.0	-42.00	-21.00	22.00	0.110	1.280	1.280	0.019	0.016	0.170	1.050	#####	0.550	0.200	Combustion Engineering				
1073	NRG6551A302BM	ML1		BWR	300D	WML101	W	L1092	TS	129823	6.60E+17	1.41E+09	531.0	-42.00	26.00	68.00	0.110	1.280	1.280	0.019	0.016	0.170	1.050	#####	0.550	0.200	Combustion Engineering				
1074																															
1075	5-00Calib	A533B1	ML2	PWR	W97	WML201	W	L0091	TL	26298	3.78E+18	3.99E+10	546.5	-34.00	35.00	68.00	0.120	1.104	1.104	0.013	0.015	0.247	0.059	0.040	0.536	0.279	Combustion Engineering				
1076	NRG6551A533B1	ML2		PWR	W104	WML201	W	L0091	TL	87149	8.84E+18	2.82E+10	549.0	-34.00	25.00	59.00	0.120	1.104	1.104	0.013	0.015	0.247	0.059	0.040	0.536	0.279	Combustion Engineering				
1077																															
1078	7-03P	A533B1	ML2	PWR	W83	WML201	W	L0091	TL	134028	1.74E+19	3.61E+10	549.0	-25.44	30.19	55.63	0.120	1.104	1.104	0.013	0.015	0.247	0.059	0.040	0.536	0.279	Combustion Engine	[16]			
1079																															
1080	7-03P	A533B1	ML3	PWR	X	WML301	W	L0091	TL	70080	2.21E+19	8.76E+10	558.0	-36.96	-41.99	-5.03	0.140	1.330	1.330	0.018	0.012	0.130	0.060	0.067	0.520	0.038	Combustion Engine	[13]			
1081																															
1082	NRG6551A533B1	MY		PWR	A25	WMY_01	W	L1092	TL	7714	1.76E+19	6.34E+11	522.0	-34.00	238.00	272.00	0.176	1.418	1.418	0.013	0.011	0.180	0.780	0.036	0.489	0.360	Combustion Engineering				
1083	NRG6551A533B1	MY		PWR	A35	WMY_01	W	L1092	TL	40167	7.13E+19	4.93E+11	533.0	-34.00	311.00	345.00	0.176	1.418	1.418	0.013	0.011	0.180	0.780	0.036	0.489	0.360	Combustion Engineering				
1084	NRG6551A533B1	MY		PWR	W263	WMY_01	W	L1092	TL	40167	5.67E+18	3.92E+10	533.0	-34.00	188.00	222.00	0.176	1.418	1.418	0.013	0.011	0.180	0.780	0.036	0.489	0.360	Combustion Engineering				
1085	NRG6551A533B1	MY		PWR	W253	WMY_01	W	L1092	TL	102562	1.25E+19	3.39E+10	542.0	-34.00	221.00	255.00	0.176	1.418	1.418	0.013	0.011	0.180	0.780	0.036	0.489	0.360	Combustion Engineering				
1086																															
1087	NRG6551A5082	NA1		PWR	V	WNA101	W	SMIT	8 TL	9444	2.63E+18	7.74E+10	550.0	-40.00	45.00	84.00	0.060	1.370	1.370	0.020	0.012	0.350	0.110	0.041	0.514	0.086	Rotterdamse Droogdok	Madtdschappij (Netherland			
1088	NRG6551A5082	NA1		PWR	U	WNA101	W	SMIT	8 TL	49722	8.72E+18	4.87E+10	553.0	-40.00	-13.00	27.00	0.060	1.370	1.370	0.020	0.012	0.350	0.110	0.041	0.514	0.086	Rotterdamse Droogdok	Madtdschappij (Netherland			
1089	7-03P	A5082	NA1	PWR	W	WNA101	W	SMIT	8 TL	129336	2.05E+19	4.41E+10	553.4	-39.92	43.60	83.52	0.060	1.370	1.370	0.020	0.012	0.350	0.110	0.041	0.514	0.086	Rotterdamse Droogdok	Madtdschappij (Netherland			
1090																															
1091	NRG6551A5082	NA2		PWR	V	WNA201	W	LW320	TL	8722	2.46E+18	7.83E+10	550.0	-35.00	-20.00	15.00	0.080	1.820	1.820	0.017	0.011	0.250	0.084	0.042	0.490	0.088	Rotterdamse Droogdok	Madtdschappij (Netherland			
1092	NRG6551A5082	NA2		PWR	U	WNA201	W	LW320	TL	53333	9.80E+18	5.10E+10	554.0	-35.00	-23.00	13.00	0.080	1.820	1.820	0.017	0.011	0.250	0.084	0.042	0.490	0.088	Rotterdamse Droogdok	Madtdschappij (Netherland			
1093	7-03P	A5082	NA2	PWR	W	WNA201	W	LW320	TL	134160	2.09E+19	4.33E+10	554.5	-35.20	9.68	44.88	0.080	1.820	1.820	0.017	0.011	0.250	0.084	0.042	0.490	0.088	Rotterdamse Droogdok	Madtdschappij (Netherland			
1094																															
1095	NRG6551A302B	OC1		PWR	E	WOC101	W	L80	TL	14406	1.50E+18	2.89E+10	556.0	-9.00	73.00	82.00	0.080	1.470	1.470	0.016	0.015	0.540	0.590	0.070	0.400	0.320	Babcock & Wilcox				
1096	NRG6551A302B	OC1+CR:		PWR	A	WOC101	W	L80	TL	38093	8.95E+18	6.53E+10	556.0	-9.00	163.00	172.00	0.080	1.470	1.470	0.016	0.015	0.540	0.590	0.070	0.400	0.320	Babcock & Wilcox				
1097	NRG6551A302B	OC1+CR:		PWR	C	WOC101	W	L80	TL	51888	9.86E+18	5.28E+10	556.0	-9.00	180.00	189.00	0.080	1.470	1.470	0.016	0.015	0.540	0.590	0.070	0.400	0.320	Babcock & Wilcox				
1098																															
1099	NRG6551A5082	OC2		PWR	C	WOC201	W	L80	TL	10561	1.02E+18	2.68E+10	556.0	5.00	51.00	46.00	0.110	1.550	1.550	0.022	0.010	0.650	0.580	0.090	0.390	0.350	Babcock & Wilcox				
1100	NRG6551A5082	OC2+CR:		PWR	A	WOC201	W	L80	TL	18672	3.37E+18	5.01E+10	556.0	5.00	111.00	107.00	0.110	1.550	1.550	0.022	0.010	0.650	0.580	0.090	0.390	0.350	Babcock & Wilcox				
1101	NRG6551A5082	OC2+CR:		PWR	E	WOC201	W	L80	TL	55584	1.21E+19	6.05E+10	556.0	5.00	179.00	174.00	0.110	1.550	1.550	0.022	0.010	0.650	0.580	0.090	0.390	0.350	Babcock & Wilcox				
1102																															
1103	NRG6551A5082	OC3		PWR	A	WOC301	W	L80	TL	8286	8.05E+17	2.70E+10	556.0	29.00	45.00	16.00	0.080	1.630	1.630	0.017	0.012	0.610	0.560	0.100	0.390	0.290	Babcock & Wilcox				
1104	NRG6551A5082	OC3+CR:		PWR	B	WOC301	W	L80	TL	16392	3.12E+18	5.29E+10	556.0	29.00	98.00	70.00	0.080	1.630	1.630	0.017	0.012	0.610	0.560	0.100	0.390	0.290	Babcock & Wilcox				
1105	NRG6551A5082	OC3+CR:		PWR	D	WOC301	W	L80	TL	68443	1.45E+19	5.88E+10	556.0	29.00	174.00	145.00	0.080	1.630	1.630	0.017	0.012	0.610	0.560	0.100	0.390	0.290	Babcock & Wilcox				
1106																															
1107	7-03P-DB	B&W-2 (DB1		PWR	PWR-5	WOC301	W	L80	TL	49096	1.14E+19	6.45E+10	556.0	28.56	218.78	190.22	0.080	1.630	1.630	0.017	0.012	0.610	0.560	0.100	0.390	0.290	Babcock & Wilcox	[3]			
1108																															
1109	NRG6551A302BM	PAL		PWR	A240	WPAL01	W	L1092	TL	19806	6.00E+19	8.41E+11	524.0	-86.00	272.00	358.00	0.134	1.230	1.230	0.012	0.011	0.199	1.200	0.068	0.507	0.230	Combustion Engineering				
1110	NRG6551A302BM	PAL		PWR	W290	WPAL01	W	L1092	TL	43611	1.09E+19	6.94E+10	530.0	-86.00	199.00	285.00	0.134	1.230	1.230	0.012	0.011	0.199	1.200	0.068	0.507	0.230	Combustion Engineering				
1111	NRG6551A302BM	PAL		PWR	W110	WPAL01	W	L1092	TL	87167	1.78E+19	5.67E+10	533.0	-86.00	219.00	305.00	0.134	1.230	1.230	0.012	0.011	0.199	1.200	0.068	0.507	0.230	Combustion Engineering				
1112	5-04	A302BM	PAL	PWR	W100	WPAL01	W	L1092	TL	148404	2.09E+19	3.91E+10	534.0	-86.21	219.94	306.15	0.134	1.230	1.230	0.012	0.011	0.199	1.200	0.068	0.507	0.230	Combustion Engine	[29]			
1113																															
1114	NRG6551A302B	PB1		PWR	V	WPB101	W	L80	TL	13028	6.34E+18	1.35E+11	542.0	-42.00	65.00	108.00	0.090	1.575	1.575	0.019	0.024	0.490	0.620	0.140	0.385	0.230	Babcock & Wilcox				
1115	NRG6551A302B	PB1		PWR	S	WPB101	W	L80	TL	31667	8.29E+18	7.27E+10	542.0	-42.00	123.00	165.00	0.090	1.575	1.575	0.019	0.024	0.490	0.620	0.140	0.385	0.230	Babcock & Wilcox				
1116	NRG6551A302B	PB1		PWR	R	WPB101	W	L80	TL	44722	2.19E+19	1.36E+11	542.0	-42.00	112.00	154.00	0.090	1.575	1.575	0.019	0.024	0.490	0.620	0.140	0.385	0.230	Babcock & Wilcox				
1117	NRG6551A302B	PB1		PWR	T	WPB101	W	L80	TL	81389	2.23E+19	7.61E+10	535.0	-42.00	137.00	179.00	0.090	1.575	1.575	0.019	0.024	0.490	0.620	0.140	0.385	0.230	Babcock & Wilcox				
1118																															
1119	NRG6551A5082	PB2		PWR	V	WPB201	W	L80	TL	13361	6.50E+18	1.35E+11	542.0	-10.00	157.00	167.00	0.079	1.400	1.400	0.014	0.013	0.550	0.590	0.070	0.						

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
1136	NRG6551A533B1	PL1		BWR	1	WPL101	W	L1092	TL	36582	2.30E+17	1.75E+09	529.0	-112.00	-83.00	29.00	0.122	1.122	1.122	0.014	0.009	0.245	0.794	0.099	0.618	0.161	Combustion Engineering			
1137																														
1138	5-00Calib A533B1	PV1		PWR	W137	WPV101	W	L0091	TL	39931	3.45E+18	2.40E+10	552.0	-53.00	-51.00	2.00	0.160	1.080	1.080	0.005	0.005	0.240	0.060	0.060	0.580	0.040	Combustion Engineering			
1139																														
1140	7-03P	A533B1	PV1	PWR	W38	WPV101	W	L0091	TL	85936	7.85E+18	2.54E+10	552.0	-53.00	-44.06	8.94	0.160	1.080	1.080	0.005	0.005	0.240	0.060	0.060	0.580	0.040	Combustion Engine [21]			
1141																														
1142	NRG6551A533B1	PV2		PWR	W137	WPV201	W	L124	TL	39806	4.07E+18	2.84E+10	552.0	-38.00	-42.00	-4.00	0.120	1.460	1.460	0.010	0.011	0.470	0.090	0.100	0.510	0.070	Combustion Engineering			
1143																														
1144	5-00Calib A533B1	PV3		PWR	W137	WPV301	W	L124	TL	38921	3.64E+18	2.60E+10	552.0	-37.00	-12.00	25.00	####	1.550	1.550	0.008	####	####	0.140	####	####	0.020	Combustion Engineering			
1145																														
1146	NRG6551A302BM	QC1		BWb	1	WQC101	W		TL	10800	8.20E+18	2.11E+11	546.0	14.00	96.00	83.00	0.203	1.560	1.560	0.012	0.009	0.153	0.315	0.061	0.450	0.188	Babcock & Wilcox			
1147	NRG6551A302BM	QC1		BWR	2	WQC101	W		TL	10800	1.03E+16	2.65E+08	530.0	14.00	1.00	-12.00	0.203	1.560	1.560	0.012	0.009	0.153	0.315	0.061	0.450	0.188	Babcock & Wilcox			
1148	NRG6551A302BM	QC1		BWb	3	WQC101	W		TL	34528	3.68E+19	2.96E+11	546.0	14.00	169.00	155.00	0.203	1.560	1.560	0.012	0.009	0.153	0.315	0.061	0.450	0.188	Babcock & Wilcox			
1149	NRG6551A302BM	QC1		BWR	8	WQC101	W		TL	58206	5.50E+16	2.62E+08	530.0	14.00	-18.00	-32.00	0.203	1.560	1.560	0.012	0.009	0.153	0.315	0.061	0.450	0.188	Babcock & Wilcox			
1150																														
1151	NRG6551A302B	QC1		BWb	1	WQC102	W		TL	10800	8.20E+18	2.11E+11	546.0	-37.66	120.00	158.00	0.090	1.800	1.800	0.010	0.014	0.550	0.650	0.080	0.390	0.310	Babcock & Wilcox			
1152	NRG6551A302B	QC1		BWb	3	WQC102	W		TL	34806	2.47E+19	1.97E+11	546.0	-37.66	224.00	262.00	0.090	1.800	1.800	0.010	0.014	0.550	0.650	0.080	0.390	0.310	Babcock & Wilcox			
1153																														
1154	7-03B-OC	SAW	OYS	BWR	D	WQC102_1	W	L80	TL	27394	1.07E+18	1.09E+10	530.0	-12.22	120.22	132.44	0.090	1.575	1.575	0.016	0.018	0.470	0.690	####	0.360	0.290	Babcock & Wilcox [1], [50]			
1155	7-03B-OC	SAW	OYS	BWR	G	WQC102_1	W	L80	TL	27379	1.58E+18	1.60E+10	530.0	-12.22	147.50	159.72	0.090	1.575	1.575	0.016	0.018	0.470	0.690	####	0.360	0.290	Babcock & Wilcox [1], [50]			
1156	7-03B-OC	SAW	OYS	BWR	I	WQC102_1	W	L80	TL	57615	2.89E+18	1.39E+10	530.0	-12.22	182.43	194.65	0.090	1.575	1.575	0.016	0.018	0.470	0.690	####	0.360	0.290	Babcock & Wilcox [2], [50]			
1157	7-03B-OC	SAW	OYS	BWR	E	WQC102_1	W	L80	TL	57615	1.77E+18	8.55E+09	530.0	-12.22	162.29	174.51	0.090	1.575	1.575	0.016	0.018	0.470	0.690	####	0.360	0.290	Babcock & Wilcox [2], [50]			
1158																														
1159	NRG6551A302BM	QC2		BWb	12	WQC201	W	ESW	TL	14316	9.75E+18	1.89E+11	546.0	-26.16	67.00	93.00	0.202	1.750	1.750	0.009	0.016	0.145	0.338	0.087	0.501	0.158	Babcock & Wilcox			
1160	NRG6551A302BM	QC2		BWR	13	WQC201	W	ESW	TL	14316	1.73E+16	3.36E+08	530.0	-26.16	7.00	33.00	0.202	1.750	1.750	0.009	0.016	0.145	0.338	0.087	0.501	0.158	Babcock & Wilcox			
1161	NRG6551A302BM	QC2		BWb	3	WQC201	W	ESW	TL	39500	3.94E+19	2.77E+11	546.0	-26.16	124.00	150.00	0.202	1.750	1.750	0.009	0.016	0.145	0.338	0.087	0.501	0.158	Babcock & Wilcox			
1162	NRG6551A302BM	QC2		BWR	18	WQC201	W	ESW	TL	49353	6.56E+16	3.69E+08	530.0	-26.16	6.00	32.00	0.202	1.750	1.750	0.009	0.016	0.145	0.338	0.087	0.501	0.158	Babcock & Wilcox			
1163																														
1164	7-03B-OC	ESW	OYS	BWR	D	WQC201_1	W	ESW	TL	27380	1.10E+18	1.12E+10	530.0	-23.37	8.43	31.80	0.170	1.485	1.485	0.015	0.017	0.130	0.240	####	0.410	0.110	Babcock & Wilcox [1], [50]			
1165	7-03B-OC	ESW	OYS	BWR	G	WQC201_1	W	ESW	TL	27391	1.70E+18	1.72E+10	530.0	-23.37	53.65	77.02	0.170	1.485	1.485	0.015	0.017	0.130	0.240	####	0.410	0.110	Babcock & Wilcox [1], [50]			
1166	7-03B-OC	ESW	OYS	BWR	E	WQC201_1	W	ESW	TL	57615	1.78E+18	8.58E+09	530.0	-23.37	55.32	78.69	0.170	1.485	1.485	0.015	0.017	0.130	0.240	####	0.410	0.110	Babcock & Wilcox [2], [50]			
1167	7-03B-OC	ESW	OYS	BWR	I	WQC201_1	W	ESW	TL	57617	2.85E+18	1.37E+10	530.0	-23.37	53.00	76.37	0.170	1.485	1.485	0.015	0.017	0.130	0.240	####	0.410	0.110	Babcock & Wilcox [2], [50]			
1168																														
1169	NRG6551A302B1	QC2		BWb	12	WQC202	W		TL	14316	9.75E+18	1.89E+11	546.0	9.00	192.00	182.00	0.090	1.880	1.880	0.013	0.014	0.300	0.600	0.070	0.390	0.260	Babcock & Wilcox			
1170	NRG6551A302B1	QC2		BWb	3	WQC202	W		TL	39500	2.52E+19	1.77E+11	546.0	9.00	224.00	214.00	0.090	1.880	1.880	0.013	0.014	0.300	0.600	0.070	0.390	0.260	Babcock & Wilcox			
1171																														
1172	7-03B-OC	SAW	OYS	BWR	H	WRB_01	W	L124	TL	27375	1.36E+18	1.38E+10	530.0	-64.99	-3.71	61.28	0.090	1.320	1.320	0.009	0.015	0.400	0.930	####	0.440	0.059	Chicago Bridge and [1], [24], [50]			
1173	7-03B-OC	SAW	OYS	BWR	F	WRB_01	W	L124	TL	57617	1.94E+18	9.34E+09	530.0	-64.99	-6.33	58.66	0.090	1.320	1.320	0.009	0.015	0.400	0.930	####	0.440	0.059	Chicago Bridge and [2], [24], [50]			
1174																														
1175	7-03B	SAW	RB	BWR	183	WRB_01	W	L124	TL	88301	1.16E+18	3.65E+09	534.0	-64.99	-18.70	46.29	0.090	1.320	1.320	0.009	0.015	0.400	0.930	####	0.440	0.059	Chicago Bridge and [24]			
1176																														
1177	NRG6551A533B1	RS1+DB1	PWR	B	WRS101	W	L80	TL		13068	3.99E+18	8.48E+10	556.0	-20.00	95.00	114.00	0.090	1.490	1.490	0.016	0.016	0.520	0.590	0.070	0.400	0.310	Babcock & Wilcox			
1178	NRG6551A533B1	RS1+DB1	PWR	D	WRS101	W	L80	TL		20172	6.60E+18	9.09E+10	556.0	-20.00	129.00	148.00	0.090	1.490	1.490	0.016	0.016	0.520	0.590	0.070	0.400	0.310	Babcock & Wilcox			
1179	NRG6551A533B1	RS1+DB1	PWR	F	WRS101	W	L80	TL		42720	1.42E+19	9.23E+10	556.0	-20.00	145.00	164.00	0.090	1.490	1.490	0.016	0.016	0.520	0.590	0.070	0.400	0.310	Babcock & Wilcox			
1180																														
1181	NRG6551A533B1	SA1		PWR	Y	WSA101	W	L1092	TL	31389	9.30E+18	8.23E+10	539.0	-150.00	36.00	186.00	0.150	1.210	1.210	0.019	0.015	0.165	1.260	0.040	0.510	0.160	Combustion Engineering			
1182	5-00Calib A533B1	SA1		PWR	S	WSA101	W	L1092	TL	94672	1.97E+19	5.78E+10	539.0	-150.42	81.37	232.00	0.150	1.210	1.210	0.019	0.015	0.165	1.260	0.040	0.510	0.160	Combustion Engineering			
1183																														
1184	NRG6551A533B1	SA2		PWR	T	WSA2																								

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
1201	5-00Calib	A533B1	SL2	PWR	W263	WSL201	W	L124	TL	96426	1.24E+19	3.57E+10	558.0	-43.86	-25.17	19.00	0.160	1.525	1.525	0.005	0.012	0.375	0.067	0.056	0.555	0.048	Combustion Engineering			
1202																														
1203	NRG6551A533B1	SO2		PWR	W97	WSO201	W	L0091	TL	23620	5.07E+18	5.96E+10	553.0	-58.00	-50.00	9.00	####	1.380	1.380	0.003	0.009	0.230	0.140	0.110	0.540	0.030	Combustion Engineering			
1204	7-03P	A533B1	SO2	PWR	W263	WSO201	W	L0091	TL	116376	2.20E+19	5.26E+10	551.1	-58.49	-29.93	28.56	####	1.380	1.380	0.003	0.009	0.230	0.140	0.110	0.540	0.030	Combustion Engineering			
1205																														
1206	NRG6551A533B1	SO3		PWR	W97	WSO301	W	L124	TL	37957	8.00E+18	5.85E+10	553.0	-28.00	2.00	30.00	0.116	1.419	1.419	0.009	0.008	0.390	0.097	0.060	0.540	0.031	Combustion Engineering			
1207	5-04	A533B1	SO3	PWR	W263	WSO301	W	L124	TL	130353	2.47E+19	5.27E+10	549.6	-27.88	48.11	75.99	0.116	1.419	1.419	0.009	0.008	0.390	0.097	0.060	0.540	0.031	Combustion Engine [30]			
1208																														
1209	NRG6551A5082	SQ1		PWR	T	WSQ101	W	SMIT 8	TL	9361	2.88E+18	8.55E+10	545.0	-80.00	47.00	128.00	0.058	1.400	1.400	0.021	0.009	0.420	0.125	0.068	0.530	0.370	Rotterdamse Droogdok Madtdschappij (Netherland			
1210	NRG6551A5082	SQ1		PWR	U	WSQ101	W	SMIT 8	TL	25139	9.55E+18	1.06E+11	545.0	-80.00	65.00	145.00	0.058	1.400	1.400	0.021	0.009	0.420	0.125	0.068	0.530	0.370	Rotterdamse Droogdok Madtdschappij (Netherland			
1211	NRG6551A5082	SQ1		PWR	X	WSQ101	W	SMIT 8	TL	46111	1.39E+19	8.37E+10	545.0	-80.00	77.00	157.00	0.058	1.400	1.400	0.021	0.009	0.420	0.125	0.068	0.530	0.370	Rotterdamse Droogdok Madtdschappij (Netherland			
1212	7-03P	A5082	SQ1	PWR	Y	WSQ101	W	SMIT 4	TL	87863	2.19E+19	6.92E+10	545.0	-80.33	81.53	161.86	0.058	1.400	1.400	0.021	0.009	0.420	0.125	0.068	0.530	0.370	Rotterdamse Droog [5]			
1213																														
1214	NRG6551A5082	SQ2		PWR	T	WSQ201	W	SMIT 8	TL	9333	2.42E+18	7.20E+10	545.0	-82.00	-1.00	81.00	0.095	1.500	1.500	0.016	0.013	0.410	0.110	0.085	0.530	0.130	Rotterdamse Droogdok Madtdschappij (Netherland			
1215	OLNRG	A5082	SQ2	PWR	U	WSQ201	W	SMIT 8	TL	25528	6.08E+18	6.62E+10	545.0	-82.00	72.00	154.00	0.095	1.500	1.500	0.016	0.013	0.410	0.110	0.085	0.530	0.130	Rotterdamse Droogdok Madtdschappij (Netherland			
1216	NRG6551A5082	SQ2		PWR	X	WSQ201	W	SMIT 8	TL	46944	1.03E+19	6.09E+10	545.0	-82.00	-53.00	30.00	0.095	1.500	1.500	0.016	0.013	0.410	0.110	0.085	0.530	0.130	Rotterdamse Droogdok Madtdschappij (Netherland			
1217	7-03P	A5082	SQ2	PWR	Y	WSQ201	W	SMIT 8	TL	92330	2.14E+19	6.44E+10	545.0	-82.31	0.83	83.14	0.095	1.500	1.500	0.016	0.013	0.410	0.110	0.085	0.530	0.130	Rotterdamse Droog [4]			
1218																														
1219	NRG6551A533B1	SR1		PWR	U	WSR101	W	L124	TL	9583	6.12E+18	1.77E+11	557.0	-34.00	-15.00	18.00	0.040	1.230	1.230	0.006	0.006	0.410	0.958	0.068	0.480	0.024	Chicago Bridge and Iron			
1220	7-03P	A533B1	SR1	PWR	V	WSR101	W	L124	TL	26722	1.32E+19	1.37E+11	557.0	-33.74	-16.14	17.60	0.040	1.230	1.230	0.006	0.006	0.410	0.958	0.068	0.480	0.024	Chicago Bridge and Iron			
1221	7-03P	A533B1	SR1	PWR	X	WSR101	W	L124	TL	82788	3.25E+19	1.09E+11	557.0	-33.74	44.99	78.73	0.040	1.230	1.230	0.006	0.006	0.410	0.958	0.068	0.480	0.024	Chicago Bridge and Iron			
1222																														
1223	NRG6551A533B1	ST1		PWR	U	WST101	W	L124	TL	6861	2.83E+18	1.15E+11	560.0	-54.00	-23.00	31.00	0.120	1.360	1.360	0.009	0.010	0.420	0.090	0.020	0.530	0.020	Combustion Engineering			
1224	5-04	A533B1	ST1	PWR	Y	WST101	W	L124	TL	42952	1.34E+19	8.67E+10	559.0	-54.00	-20.02	33.98	0.120	1.360	1.360	0.009	0.010	0.420	0.090	0.020	0.530	0.020	Combustion Engine [47]			
1225																														
1226	NRG6551A533B1	ST2		PWR	V	WST201	W	L124	TL	7889	2.54E+18	8.94E+10	560.0	-15.00	-23.00	-8.00	####	1.450	1.450	0.010	####	####	0.150	####	####	0.010	Combustion Engineering			
1227	5-00Calib	A533B1	ST2	PWR	Y	WST201	W	L124	TL	44970	1.16E+19	7.17E+10	560.0	-15.14	-10.26	5.00	####	1.450	1.450	0.010	####	####	0.150	####	####	0.010	Combustion Engineering			
1228																														
1229	NRG6551A533B1	SU1		PWR	T	WSU101	W	L80	TL	9389	2.92E+18	8.64E+10	534.0	-25.00	146.00	171.00	0.140	1.470	1.470	0.011	0.014	0.380	0.640	0.070	0.430	0.230	Rotterdamse Droogdok Madtdschappij (Netherland			
1230	NRG6551A533B1	SU1		PWR	V	WSU101	W	L80	TL	70278	1.99E+19	7.87E+10	538.0	-25.00	225.00	250.00	0.140	1.470	1.470	0.011	0.014	0.380	0.640	0.070	0.430	0.230	Rotterdamse Droogdok Madtdschappij (Netherland			
1231	5-00Calib	A533B1	SU1	PWR	X	WSU101	W	L80	TL	139914	1.60E+19	3.18E+10	541.0	-24.59	209.64	234.00	0.140	1.470	1.470	0.011	0.014	0.380	0.640	0.070	0.430	0.230	Rotterdamse Droogdok Madtdschappij (Netherland			
1232																														
1233	5-00Calib	A5082	TM2+CR:	PWR	T1(LG1	WTM201	W	L80	TL	40344	8.30E+18	5.71E+10	556.0	-25.00	201.00	226.00	0.090	1.530	1.530	0.013	0.017	0.530	0.700	0.080	0.420	0.370	Babcock & Wilcox [39]			
1234	OL7-00	-999	SU2	PWR	W1	WTM201	W	L80	TL	46608	6.14E+18	3.66E+10	546.0	-24.95	238.53	263.00	0.090	1.530	1.530	0.013	0.017	0.530	0.700	0.080	0.420	0.370	Babcock & Wilcox [38]			
1235																														
1236	NRG6551A533B1	SU2		PWR	X	WSU201	W	GRAU	TL	10250	2.94E+18	7.97E+10	535.0	-20.00	75.00	95.00	0.093	1.535	1.535	0.018	0.014	0.454	0.560	0.108	0.410	0.190	Rotterdamse Droogdok Madtdschappij (Netherland			
1237	NRG6551A533B1	SU2		PWR	V	WSU201	W	GRAU	TL	73333	1.75E+19	6.63E+10	541.0	-20.00	121.00	141.00	0.093	1.535	1.535	0.018	0.014	0.454	0.560	0.108	0.410	0.190	Rotterdamse Droogdok Madtdschappij (Netherland			
1238	7-03P	A533B1	SU2	PWR	Y	WSU201	W	GRAU	TL	177828	2.73E+19	4.26E+10	543.0	-20.05	159.44	179.49	0.093	1.535	1.535	0.018	0.014	0.454	0.560	0.108	0.410	0.190	Rotterdamse Droog [15]			
1239																														
1240	NRG6551A302B	TM1		PWR	E	WTM101	W	L80	TL	11211	1.07E+18	2.65E+10	556.0	-25.00	50.00	75.00	0.090	1.620	1.620	0.014	0.015	0.460	0.670	0.100	0.400	0.330	Babcock & Wilcox			
1241	NRG6551A302B	TM1+CR:		PWR	C	WTM101	W	L80	TL	38371	8.82E+18	6.39E+10	556.0	-25.00	140.00	165.00	0.090	1.620	1.620	0.014	0.015	0.460	0.670	0.100	0.400	0.330	Babcock & Wilcox			
1242																														
1243	5-04	A533B1	DB1	PWR	TM2-C	WTM203	W	L80	TL	9126	1.68E+18	5.11E+10	556.0	-1.63	117.28	118.91	0.090	1.680	1.680	0.015	0.013	0.490	0.630	0.130	0.390	0.280	Babcock & Wilcox [52]			
1244	5-04	A533B1	DB1	PWR	TM2-E	WTM203	W	L80	TL	9126	1.74E+18	5.30E+10	556.0	-1.63	106.41	108.04	0.090	1.680	1.680	0.015	0.013	0.490	0.630	0.130	0.390	0.280	Babcock & Wilcox [52]			
1245																														
1246	NRG6551A5082	TP3		PWR	T	WTP301	W	L80	TL	10056	7.39E+18	2.04E+11	547.0	0.00	166.00	166.00	0.076	1.260	1.260	0.011	0.018	0.660	0.570	0.140	0.420	0.330	Babcock & Wilcox			
1247	NRG6551A5082	TP3		PWR	V	WTP301	W	L80	TL	70556	1.53E+19	6.02E+10	547.0	0.00	180.00	180.00	0.076	1.260	1.260	0.011	0.018	0.660	0.570	0.140	0.420	0.330	Babcock &			

	A	B	C	E	F	G	I	J	K	M	N	P	Q	S	W	AA	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BJ	BK	BL
1266	NRG6551A533B1	VS1		PWR	V	WVS101	W	L124	TL	25639	1.55E+19	1.68E+11	555.0	-53.00	-6.00	47.00	0.085	1.410	1.410	0.009	0.009	0.450	0.950	0.130	0.475	0.040	Chicago Bridge and Iron			
1267	NRG6551A533B1	VS1		PWR	X	WVS101	W	L124	TL	44167	2.62E+19	1.65E+11	555.0	-53.00	-30.00	23.00	0.085	1.410	1.410	0.009	0.009	0.450	0.950	0.130	0.475	0.040	Chicago Bridge and Iron			
1268	5-00Calib A533B1	VS1		PWR	W	WVS101	W	L124	TL	94498	4.66E+19	1.37E+11	555.0	-53.35	-10.06	43.00	0.085	1.410	1.410	0.009	0.009	0.450	0.950	0.130	0.475	0.040	Chicago Bridge and Iron			
1269																														
1270	NRG6551A533B1	VY		BWR	30D	WVY_01	W		TL	66120	4.30E+16	1.81E+08	527.0	-56.00	-46.00	10.00	####	####	1.426	0.013	####	####	0.941	#####	#####	0.026	Chicago Bridge and Iron			
1271																														
1272	7-03P	A5082	WB1	PWR	U	WWB101	W	GRAU	TL	10512	5.05E+18	1.33E+11	559.0	-29.75	-23.36	6.39	0.075	1.960	1.960	0.013	0.009	0.250	0.730	0.035	0.550	0.041	Rotterdamse Droog [22]			
1273	5-04	A5082	WB1	PWR	W	WWB101	W	GRAU	TL	33398	1.23E+19	1.02E+11	559.0	-29.75	-0.43	29.32	0.075	1.960	1.960	0.013	0.009	0.250	0.730	0.037	0.550	0.041	Rotterdamse Droog [31]			
1274																														
1275	NRG6551A533B1	WC1		PWR	U	WWC101	W	L124	TL	9417	3.53E+18	1.04E+11	560.0	-55.00	-31.00	24.00	0.110	1.460	1.460	0.005	0.011	0.480	0.090	0.090	0.560	0.040	Combustion Engineering			
1276	NRG6551A533B1	WC1		PWR	Y	WWC101	W	L124	TL	41944	1.27E+19	8.41E+10	560.0	-55.00	-12.00	43.00	0.110	1.460	1.460	0.005	0.011	0.480	0.090	0.090	0.560	0.040	Combustion Engineering			
1277	5-04	A533B1	WC1	PWR	V	WWC101	W	L124	TL	83188	2.53E+19	8.44E+10	557.0	-55.10	-10.82	44.28	0.110	1.460	1.460	0.005	0.011	0.480	0.090	0.090	0.560	0.040	Combustion Engine [32]			
1278	7-03P	A533B1	WC1	PWR	X	WWC101	W	L124	TL	120888	3.49E+19	8.02E+10	554.0	-55.11	10.80	65.91	0.110	1.460	1.460	0.005	0.011	0.480	0.090	0.090	0.560	0.040	Combustion Engine [20]			
1279																														
1280	NRG6551A533B1	WF3		PWR	W97	WWF301	W	L0091	TL	38921	6.47E+18	4.62E+10	553.0	-80.57	-51.06	29.51	0.230	1.350	1.350	0.008	0.006	0.160	0.160	0.050	0.570	0.050	Combustion Engine [51]			
1281	5-04	A533B1	WF3	PWR	W263	WWF301	W	L0091	TL	121231	1.45E+19	3.32E+10	553.0	-80.57	-75.86	4.71	0.230	1.350	1.350	0.008	0.006	0.160	0.160	0.050	0.570	0.050	Combustion Engine [33]	surprisingly small shift		
1282																														
1283	NRG6551A533B1	ZN1		PWR	T	WZN101	W	L80	TL	10667	3.10E+18	8.07E+10	529.0	5.00	113.00	108.00	0.100	1.480	1.480	0.019	0.014	0.670	0.540	0.070	0.390	0.250	Babcock & Wilcox			
1284	NRG6551A533B1	ZN1		PWR	U	WZN101	W	L80	TL	31389	1.02E+19	9.03E+10	529.0	5.00	194.00	190.00	0.100	1.480	1.480	0.019	0.014	0.670	0.540	0.070	0.390	0.250	Babcock & Wilcox			
1285	NRG6551A533B1	ZN1		PWR	X	WZN101	W	L80	TL	45278	1.26E+19	7.73E+10	529.0	5.00	199.00	194.00	0.100	1.480	1.480	0.019	0.014	0.670	0.540	0.070	0.390	0.250	Babcock & Wilcox			
1286	NRG6551A533B1	ZN1		PWR	Y	WZN101	W	L80	TL	75278	1.56E+19	5.76E+10	529.0	5.00	205.00	200.00	0.100	1.480	1.480	0.019	0.014	0.670	0.540	0.070	0.390	0.250	Babcock & Wilcox			
1287	7-03P	A533B1	ZN1+DB1	PWR	Y+A5	WZN101	W	L80	TL	125829	2.60E+19	5.74E+10	540.0	4.77	220.71	215.94	0.100	1.480	1.480	0.019	0.014	0.670	0.540	0.070	0.390	0.250	Babcock & Wilcox	[42]		
1288																														
1289	NRG6551A533B1	ZN2		PWR	U	WZN201	W	L80	LT	11583	2.70E+18	6.48E+10	528.0	-23.00	115.00	138.00	0.084	1.560	1.560	0.019	0.010	0.450	0.554	0.071	0.389	0.250	Babcock & Wilcox			
1290	NRG6551A533B1	ZN2		PWR	T	WZN201	W	L80	LT	31389	7.79E+18	6.89E+10	528.0	-23.00	151.00	174.00	0.084	1.560	1.560	0.019	0.010	0.450	0.554	0.071	0.389	0.250	Babcock & Wilcox			
1291	NRG6551A533B1	ZN2		PWR	Y	WZN201	W	L80	LT	80556	1.46E+19	5.03E+10	528.0	-23.00	202.00	225.00	0.084	1.560	1.560	0.019	0.010	0.450	0.554	0.071	0.389	0.250	Babcock & Wilcox			
1292																														
1293	Light blue fill is for outliers from NUREG 6551 and 7/00 models																													
1294	Yellow fill is for attention of EPRI/ASTM/ORNL: potential or actual data changes that should be checked or missing items to fill in																													
1295	Green fill denoted a duplicate of a point in earlier dataset (there were 24 of them). These duplicates have been deleted 2/25/04 both on this sheet and Database sheet, where they were 7-03P.																													
1296	Tan fill is for attention of ORNL: EDB heat ID and Matl ID codes needing resolved and similar issues																													
1297	Pink fill denotes large error found during database update (these are in hidden columns)																													
1298	Dark blue fill denotes generic values of Mn																													
1299	Gray fill in column A denotes a new point added 5/04 from completeness check																													
1300																														
1301	Review and Revision History																													
1302																														
1303		10/3/03			E. D. Eason					10-03 Draft, combining NewEmbrittlementDatabase.xls with earlier calibration database and outliers from prior fits, sorted by heats																				
1304		11/9/03			J. A. Wang					Reviewed Draft, corrected many details regarding HEAT_IDs, filled in missing info from EDB update 12																				
1305		11/12/03			E. D. Eason					10-03 Version, incorporating comments from J-A Wang																				
1306		12/19/03			R. G. Lott					Reviewed and commented on 10-03 Version, extracted subsets for more detailed E10.02 review																				
1307		1/13/04			ASTM E10.02					Reviewed 10-03 Version at E10.02 meeting in Tampa FL, resolved many discrepancies, assigned AI's for additional investigation																				
1308		4/30/04			E. D. Eason					4-04 Version incorporating E10.02 and Lott's comments and revisions from 1/04 meeting & follow-up emails. TT30 from asymmetric fit, consistency of heat chemistry, etc.																				
1309		6/1/04			E. D. Eason					5-04 Version adding in new data from completeness check, further corrections of Tc, chemistry, updated TT30 for PWR-5 and new 5-04 data																				
1310		6/8/04			ASTM E10.02					Reviewed 5-04 Version at E10.02 meeting in Boston MA, resolved some discrepancies and assigned action items for others																				
1311		6/11/04			E. D. Eason					Prelim6-04 Version with updates from the 6/8/04 E10.02 meeting, S. Byrne's email 6/10/04																				
1312		6/11/04			J. B. Hall					Reviewed 5-04 Version in detail, made changes to update some fluences, Tc, EFPH and chemistry of B&W L80 welds. The chemistry changes agree with B&W response to GL92-01																				
1313		6/18/04			E.D. Eason					Incorporated Brian Hall's changes, including corrections in 6/17/04 email and additional capsules (TM2, irradi at DB1)																				
1314		6/25/04			E.D. Eason					Incorporated fits to raw unirrr Cv data at BV2, chemistry changes from B. Burgos (email dated 6/18/04)																				
1315		7/16/04			E.D. Eason					Incorporated temperature updates from Stan Anderson via Randy Lott emails 7/8/04 and 7/9/04, estimated time-varying temperatures																				
1316		8/6/04			E.D. Eason					Incorporated temperature updates from S Byrne email 8/6/04 and SO2 & SO3 chemistry update from B Hall email 8/5/04																				
1317		8/23/04			E. D. Eason					Changed VO2 Tc from 560 to 557 per S. Byrne email 8/18/04, changed VESSEL_MFG codes to eliminate variations on B&W, B&W/other, etc. Original VESSEL_MFG is preserved in an adjacent hidden																				
1318	Notes:																													
1319										1. Where cell comments refer to an "ASTM" or "E10.02" 1/04 meeting, that is a reference to the ASTM E10.02 data analysis subcommittee meeting held 1/13/04 in Tampa FL, at which the 11/12/03 draft spreadsheet was discussed in detail.		</																		

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Plan for filling in and changing data in the Workbook

It is important to take an organized approach to the changes that will result from review of the Database8-04.xls workbook. **All changes and additions should be made on the Database sheet**, to make it easy to put the change in context with other data on the same sheet. **The changes should be made in red font, leaving the yellow fill as is (or adding yellow fill if there was none) so that they are easy to find.** In addition, the comment feature should be used as suggested in NewEmbrittlementData.xls, reproduced in updated form below.

Changing Existing Data or Adding Info on the Database sheet:

1. Any time a cell is filled in or changed, it is critical to document that change with an inserted comment. Within the comment, the following information must be provided:
 - a. Name of Individual changing the data.
 - b. Date the change was made.
 - c. Reason for change.
 - d. Document the original value or state it was missing, and give the value it is being changed to (e.g., changed from 2.5 ft-lbs to the new value of 3.2 ft-lbs).
2. Ensure that the reference column (BD) is still accurate or that a reference is added (with a comment) as applicable.
3. Update Cell G1 with the last date changes were made and put the name(s) of the reviewer(s) making the changes in cell P1.
4. Update the Reference Sheet with the new reference (if applicable).
5. Add the revision date and details below line 1300, add notes there as appropriate.

When changes are received from the reviewers, they will be integrated by M&CS on a master copy, disagreements will be addressed, and the revised result will be sent out to the reviewers. The plan is to eventually delete the blank lines and do the fitting with the revised database defined by the updated Database sheet.

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HEAT_ID	MN	MnGeneric	
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FSQ101	0.620	0.620		
FSQ101	0.620	0.620		
FSQ201	0.710	0.710		
FSQ201	0.710	0.710		
FSQ201	0.710	0.710		
FSQ201	0.710	0.710		
			0.710	
FSQ201	0.710	0.710		
FSQ201	0.710	0.710		
FSQ201	0.710	0.710		
FSQ201	0.710	0.710		
FTP301	0.640	0.640		
FTP301	0.640	0.640		
			0.640	
FTP302	0.610	0.610		
FTP302	0.610	0.610		
FTP302	0.610	0.610		
			0.610	
FTP401	0.670	0.670		
FTP401	0.670	0.670		
			0.670	
FTP402	0.670	0.670		
			0.670	
FWB101	0.710	0.710		
			0.710	
FWB101	0.710	0.710		
			0.710	Average of 28 forging heats = 0.781107
PAN101	1.320	1.320		
PAN101	1.320	1.320		
PAN101	1.320	1.320		
			1.320	
PAN101	1.320	1.320		
PAN101	1.320	1.320		
PAN101	1.320	1.320		
PAN102	1.320	1.320		
			1.320	
PAN102	1.320	1.320		
			1.320	
PAN201	1.400	1.400		
			1.400	
PAN201	1.400	1.400		
PAN201	1.400	1.400		
PBF201	1.350	1.350		
			1.350	
PBR_01	1.420	1.420		
PBR_01	1.420	1.420		
PBR_01	1.420	1.420		
PBR_01	1.420	1.420		
PBR_01	1.420	1.420		
			1.420	
PBV101	1.310	1.310		
PBV101	1.310	1.310		
PBV101	1.310	1.310		
PBV101	1.310	1.310		
			1.310	
PBV101	1.310	1.310		
PBV101	1.310	1.310		
PBV101	1.310	1.310		
PBV101	1.310	1.310		
PBV201	1.320	1.320		
			1.320	
PBV201	1.320	1.320		
			1.320	
PBWE_1	-999.000	-999.000		
PBWE_1	-999.000	-999.000		
PBWE_2	-999.000	-999.000		

PBWE_3	-999.000	-999.000	
PBWE_3	-999.000	-999.000	
PCB201	1.393	1.393	
PCB201	1.393	1.393	
PCB201	1.393	1.393	
			1.393
PCB201	1.393	1.393	
PCB201	1.393	1.393	
PCB201	1.393	1.393	
PCC103	1.374	1.374	
PCC103	1.374	1.374	
			1.374
PCC103	1.374	1.374	
PCC202	1.210	1.210	
PCC202	1.210	1.210	
			1.210
PCC202	1.210	1.210	
PCH101	1.420	1.420	1.420
PCK101	1.400	1.400	
PCK101	1.400	1.400	
PCK101	1.400	1.400	
PCK101	1.400	1.400	
			1.400
PCK101	1.400	1.400	
PCK101	1.400	1.400	
PCK101	1.400	1.400	
PCK101	1.400	1.400	
PCK201	1.285	1.285	
PCK201	1.285	1.285	
PCK201	1.285	1.285	
PCK201	1.285	1.285	
			1.285
PCK201	1.285	1.285	
PCK201	1.285	1.285	
PCK201	1.285	1.285	
PCK201	1.285	1.285	
PCL101	1.395	1.395	
PCL101	1.395	1.395	
PCL101	1.400	1.400	
			1.395
PCL101	1.395	1.395	
PCL101	1.395	1.395	
PCL101	1.400	1.400	
PCOF01	1.480	1.480	1.480
PCP101	1.360	1.360	
PCP101	1.360	1.360	
			1.360
PCP101	1.360	1.360	
PCP101	1.360	1.360	
PCP201	1.380	1.380	
			1.380
PCP201	1.380	1.380	
PCPR01	1.278	1.278	
PCPR01	1.278	1.278	1.278
PCPR02	-999.000	-999.000	
PCPR02	-999.000	-999.000	
PCPR02	-999.000	-999.000	
PCPR02	-999.000	-999.000	
PCR301	1.300	1.300	
PCR301	1.300	1.300	
PCR301	1.300	1.300	1.300

PCR301	1.300	1.300	
PCTY02	1.420	1.420	
PCTY02	1.420	1.420	1.420
PCTY02	1.420	1.420	
PCTY04	1.370	1.370	
PCTY04	1.370	1.370	1.370
PCTY04	1.370	1.370	
PCTY07	1.460	1.460	
PCTY07	1.460	1.460	1.460
PDAC01	1.350	1.350	
PDAC01	1.350	1.350	
PDAC01	1.350	1.350	1.350
PDC103	1.445	1.445	
PDC103	1.445	1.445	1.445
PDC103	1.445	1.445	
PDC201	1.255	1.255	
PDC201	1.255	1.255	
PDC201	1.255	1.255	
PDC201	1.255	1.255	1.255
PDC201	1.255	1.255	
PDC201	1.255	1.255	
PDC201	1.255	1.255	
PDC201	1.255	1.255	
PDR201	1.190	1.190	
PDR201	1.190	1.190	
PDR201	1.190	1.190	1.190
PDR201	1.190	1.190	
PDR201	1.190	1.190	
PDR301	1.645	1.645	
PDR301	1.645	1.645	
PDR301	1.645	1.645	1.645
PDR301	1.645	1.645	
PDR301	1.645	1.645	
PDR301	1.645	1.645	
PEP2JP	-999.000	-999.000	
PEP2JP	-999.000	-999.000	
PEP2JP	-999.000	-999.000	
PEP2JP	-999.000	-999.000	
PEP2JP	-999.000	-999.000	
PFA101	1.395	1.395	
PFA101	1.395	1.395	
PFA101	1.395	1.395	
PFA101	1.395	1.395	1.395
PFA101	1.395	1.395	
PFA101	1.395	1.395	
PFA101	1.395	1.395	
PFA101	1.395	1.395	
PFA201	1.327	1.327	
PFA201	1.327	1.327	
PFA201	1.327	1.327	
PFA201	1.327	1.327	1.327
PFA201	1.327	1.327	
PFA201	1.327	1.327	
PFA201	1.327	1.327	
PFA201	1.327	1.327	
PFC101	1.461	1.461	
PFC101	1.461	1.461	
PFC101	1.461	1.461	1.461

PFC101	1.461	1.461	
PFC101	1.461	1.461	
PFTZ01	1.350	1.350	
			1.350
PFTZ01	1.350	1.350	
PFTZ01	1.350	1.350	
PFTZ01	1.350	1.350	
PFTZ01	1.350	1.350	
PGG_01	-999.000	-999.000	
PGG_01	-999.000	-999.000	
PGG_01	-999.000	-999.000	
PGG_01	-999.000	-999.000	
PHA101	1.430	1.430	1.430
PHA102	-999.000	-999.000	
PHA201	1.390	1.390	1.390
PHB201	1.350	1.350	
PHB201	1.350	1.350	1.350
PHB202	1.290	1.290	
PHB202	1.290	1.290	1.290
PHB203	1.320	1.320	
PHB203	1.320	1.320	1.320
PHOP01	1.380	1.380	1.380
PIP201	1.280	1.280	
PIP201	1.280	1.280	1.280
PIP202	1.300	1.300	
PIP202	1.300	1.300	1.300
PIP202	1.300	1.300	
PIP203	1.290	1.290	
PIP203	1.290	1.290	1.290
PIP203	1.290	1.290	
PIP301	1.410	1.410	1.410
PIP303	1.320	1.320	1.320
PIP304	1.300	1.300	
PIP304	1.300	1.300	
			1.300
PIP304	1.300	1.300	
PIP304	1.300	1.300	
PIP304	1.300	1.300	
PKU101	1.160	1.160	1.160
PKU201	1.330	1.330	1.330
PLS101	1.290	1.290	1.290
PMC101	1.260	1.260	
PMC101	1.260	1.260	
PMC101	1.260	1.260	1.260
PMC101	1.260	1.260	
PMC101	1.260	1.260	
PMC101	1.260	1.260	
PML101	1.320	1.320	
PML101	1.320	1.320	
			1.320
PML101	1.320	1.320	
PML101	1.320	1.320	
PML201	1.276	1.276	
PML201	1.276	1.276	

PML201	1.276	1.276	1.276
PML201	1.276	1.276	
PML201	1.276	1.276	
PML301	1.310	1.310	1.310
PML301	1.310	1.310	
PMY_01	1.332	1.332	1.332
PMY_01	1.332	1.332	
PMY_01	1.332	1.332	
PMY_01	1.332	1.332	
PMY_01	1.332	1.332	
PMY_01	1.332	1.332	
PNM101	1.263	1.263	1.263
PNM101	1.263	1.263	
PNM101	1.263	1.263	
PNM101	1.253	1.253	
POC101	1.400	1.400	1.400
POC101	1.400	1.400	
POC102	1.420	1.420	1.420
POC102	1.420	1.420	
POC102	1.420	1.420	
POC102	1.420	1.420	
POC102	1.420	1.420	
POC102	1.420	1.420	
POYS01	1.400	1.400	1.400
PPAL01	1.368	1.368	1.368
PPAL01	1.368	1.368	
PPAL01	1.368	1.368	
PPAL01	1.368	1.368	1.368
PPAL01	1.368	1.368	
PPB101	1.460	1.460	1.460
PPB101	1.460	1.460	
PPB101	1.460	1.460	
PPB101	1.460	1.460	
PPB102	1.460	1.460	1.460
PPB102	1.460	1.460	
PPB102	1.460	1.460	
PPB102	1.460	1.460	
PPH301	1.427	1.427	1.427
PPL101	1.337	1.337	1.337
PPV101	1.330	1.330	1.330
PPV101	1.330	1.330	
PPV104	1.480	1.480	1.480
PPV104	1.480	1.480	
PPV201	1.540	1.540	1.540
PPV201	1.540	1.540	
PPV301	1.400	1.400	1.400
PQC101	1.520	1.520	
PQC101	1.520	1.520	
PQC101	1.520	1.520	

PQC101	1.520	1.520	
PQC101	1.520	1.520	1.520
PQC101	1.520	1.520	
PQC201	1.640	1.640	
PQC201	1.640	1.640	
PQC201	1.640	1.640	1.640
PQC201	1.640	1.640	
PRB_01	1.300	1.300	1.300
PRS101	1.260	1.260	
PRS101	1.260	1.260	1.260
PRS101	1.260	1.260	
PSA101	1.497	1.497	
PSA101	1.497	1.497	1.497
PSA101	1.497	1.497	
PSA102	1.467	1.467	1.467
PSA102	1.467	1.467	
PSA103	1.220	1.220	
PSA103	1.220	1.220	1.220
PSA103	1.220	1.220	
PSA201	1.359	1.359	
PSA201	1.359	1.359	
PSA201	1.359	1.359	
PSA201	1.359	1.359	1.359
PSA201	1.359	1.359	
PSA201	1.359	1.359	
PSA201	1.359	1.359	
PSA201	1.359	1.359	
PSB101	1.450	1.450	
PSB101	1.450	1.450	1.450
PSB101	1.450	1.450	
PSB101	1.450	1.450	
PSH101	1.313	1.313	1.313
PSH201	1.300	1.300	1.300
PSL101	1.300	1.300	
PSL101	1.300	1.300	
PSL101	1.300	1.300	1.300
PSL101	1.300	1.300	
PSL101	1.300	1.300	
PSL201	1.335	1.335	1.335
PSL201	1.335	1.335	
PSL201	1.335	1.335	
PSO101	1.403	1.403	1.403
PSO102	1.360	1.360	
PSO102	1.360	1.360	1.360
PSO103	1.437	1.437	
PSO103	1.437	1.437	1.437
PSO201	1.420	1.420	
PSO201	1.420	1.420	1.420
PSO201	1.420	1.420	
PSO301	1.343	1.343	
PSO301	1.343	1.343	1.343

PSR101	1.340	1.340	
PSR101	1.340	1.340	
PSR101	1.340	1.340	
			1.340
PSR101	1.340	1.340	
PSR101	1.340	1.340	
PSR101	1.340	1.340	
PST101	1.180	1.180	
			1.180
PST101	1.180	1.180	
PST201	1.550	1.550	
PST201	1.550	1.550	
			1.550
PST201	1.550	1.550	
PST201	1.550	1.550	
PSU101	1.395	1.395	
PSU101	1.395	1.395	
PSU101	1.395	1.395	
			1.395
PSU201	1.340	1.340	
PSU201	1.340	1.340	
PSU201	1.340	1.340	
			1.340
PSU201	1.340	1.340	
PSU201	1.340	1.340	
PSU201	1.340	1.340	
PTM101	1.360	1.360	
PTM101	1.360	1.360	
			1.360
PTM101	1.360	1.360	
PTRO01	1.270	1.270	
PTRO01	1.270	1.270	
PTRO01	1.270	1.270	
			1.270
PTRO01	1.270	1.270	
PTRO01	1.270	1.270	
PTRO01	1.270	1.270	
PVO101	1.301	1.301	
PVO101	1.301	1.301	
			1.301
PVO101	1.301	1.301	
PVO101	1.301	1.301	
PVS101	1.300	1.300	
PVS101	1.300	1.300	
PVS101	1.300	1.300	
PVS101	1.300	1.300	
			1.300
PVS101	1.300	1.300	
PVS101	1.300	1.300	
PVS101	1.300	1.300	
PVS101	1.300	1.300	
PVY_01	-999.000	-999.000	
PWC101	1.450	1.450	
PWC101	1.450	1.450	
PWC101	1.450	1.450	
			1.450
PWC101	1.450	1.450	
PWC101	1.450	1.450	
PWC101	1.450	1.450	
PWF301	1.380	1.380	
			1.380
PWF301	1.380	1.380	
PZN101	1.375	1.375	
PZN101	1.375	1.375	

[illegible]

[illegible]

WBWL80	-999.000	-999.000	
WBWL80	-999.000	-999.000	
WBWL80_1	-999.000	-999.000	
WBY101	1.443	1.443	
WBY101	1.443	1.443	1.443
WBY101	1.443	1.443	
WBY201	1.417	1.417	
WBY201	1.417	1.417	1.417
WBY201	1.417	1.417	
WCB101	1.850	1.850	
WCB101	1.850	1.850	1.850
WCB101	1.850	1.850	
WCB201	1.163	1.163	
WCB201	1.163	1.163	1.163
WCB201	1.163	1.163	
WCC101	1.254	1.254	
WCC101	1.254	1.254	
WCC101	1.254	1.254	1.254
WCC201	1.167	1.167	
WCC201	1.167	1.167	1.167
WCEL_1	-999.000	-999.000	
WCEL_1	-999.000	-999.000	
WCEL_2	-999.000	-999.000	
WCEL_2	-999.000	-999.000	
WCK101	1.330	1.330	
WCK101	1.330	1.330	1.330
WCK101	1.330	1.330	
WCK201	1.375	1.375	
WCK201	1.375	1.375	
WCK201	1.375	1.375	1.375
WCK201	1.375	1.375	
WCL101	1.325	1.325	
WCL101	1.325	1.325	1.325
WCL101	1.330	1.330	
WCOF01	1.700	1.700	1.700
WCP101	1.330	1.330	
WCP101	1.330	1.330	1.330
WCP201	1.370	1.370	1.370
WCR301	1.623	1.623	
WCR301	1.623	1.623	
WCR301	1.623	1.623	1.623
WCR301	1.623	1.623	
WCTY01	1.304	1.304	
WCTY01	1.304	1.304	1.304
WDAC01	1.250	1.250	
WDAC01	1.250	1.250	
WDAC01	1.250	1.250	1.250
WDB101	1.705	1.705	
WDB101	1.705	1.705	
WDB101	1.705	1.705	1.705
WDB101	1.705	1.705	
WDB101	1.705	1.705	
WDC101	1.347	1.347	
WDC101	1.347	1.347	1.347

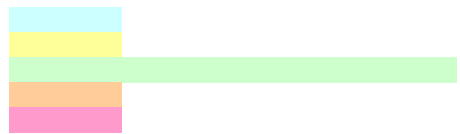
WDC101	1.347	1.347	
WDC201	1.403	1.403	
WDC201	1.403	1.403	
WDC201	1.403	1.403	1.403
WDC201	1.403	1.403	
WDR301	1.780	1.780	
WDR301	1.780	1.780	
WDR301	1.780	1.780	1.780
WDR301	1.780	1.780	
WDR301	1.780	1.780	
WDR302	1.750	1.750	
WDR302	1.750	1.750	1.750
WDR302	1.750	1.750	
WFA101	1.060	1.060	
WFA101	1.060	1.060	
WFA101	1.060	1.060	1.060
WFA101	1.060	1.060	
WFA201	0.937	0.937	
WFA201	0.937	0.937	
WFA201	0.937	0.937	0.937
WFA201	0.937	0.937	
WFC101	1.563	1.563	
WFC101	1.563	1.563	
WFC101	1.563	1.563	
WFC101	1.563	1.563	1.563
WGG_01	-999.000	-999.000	
WGG_01	-999.000	-999.000	
WGG_01	-999.000	-999.000	
WGG_01	-999.000	-999.000	
WGIN01	1.337	1.337	
WGIN01	1.337	1.337	
WGIN01	1.337	1.337	1.337
WGIN01	1.337	1.337	
WHA201	1.190	1.190	1.190
WHB201	1.170	1.170	
WHB201	1.170	1.170	1.170
WHB201	1.170	1.170	
WHM301	-999.000	-999.000	
WHM301	-999.000	-999.000	
WHOP01	1.480	1.480	1.480
WHSS63	1.580	1.580	1.580
WHSS65	1.450	1.450	
WHSS65	1.450	1.450	1.450
WHSS65	1.450	1.450	
WHSS66	1.630	1.630	
WHSS66	1.630	1.630	1.630
WHSS67	1.450	1.450	1.450
WHSSCR	1.550	1.550	
WHSSCR	1.550	1.550	
WHSSCR	1.550	1.550	1.550
WHSSDB	1.470	1.470	1.470
WIP201	-999.000	-999.000	
WIP201	-999.000	-999.000	
WIP301	1.180	1.180	

WIP301	1.180	1.180	1.180
WIP301	1.180	1.180	
WKU101	1.300	1.300	1.300
WKU201	1.430	1.430	1.430
WKWE01	1.370	1.370	
WKWE01	1.370	1.370	
WKWE01	1.370	1.370	1.370
WKWE01	1.370	1.370	
WLS101	1.490	1.490	1.490
WLS201	1.470	1.470	1.470
WMC101	1.275	1.275	
WMC101	1.275	1.275	1.275
WMC101	1.275	1.275	
WMC201	1.830	1.830	
WMC201	1.830	1.830	
WMC201	1.830	1.830	1.830
WMC201	1.830	1.830	
WML101	1.280	1.280	
WML101	1.280	1.280	
WML101	1.280	1.280	
WML101	1.280	1.280	
			1.280
WML101	1.280	1.280	
WML101	1.280	1.280	
WML201	1.104	1.104	
WML201	1.104	1.104	
			1.104
WML201	1.104	1.104	
WML301	1.330	1.330	1.330
WMY_01	1.418	1.418	
WMY_01	1.418	1.418	
WMY_01	1.418	1.418	1.418
WMY_01	1.418	1.418	
WNA101	1.370	1.370	
WNA101	1.370	1.370	1.370
WNA101	1.370	1.370	
WNA201	1.820	1.820	
WNA201	1.820	1.820	1.820
WNA201	1.820	1.820	
WOC101	1.482	1.482	
WOC101	1.482	1.482	1.482
WOC101	1.482	1.482	
WOC201	1.565	1.565	
WOC201	1.565	1.565	1.565
WOC201	1.565	1.565	
WOC301	1.613	1.613	
WOC301	1.613	1.613	
WOC301	1.613	1.613	
			1.613
WOC301	1.613	1.613	
WPAL01	1.230	1.230	
WPAL01	1.230	1.230	1.230
WPAL01	1.230	1.230	
WPB101	1.575	1.575	
WPB101	1.575	1.575	
WPB101	1.575	1.575	1.575
WPB101	1.575	1.575	

WPB201	1.400	1.400	
WPB201	1.400	1.400	
WPB201	1.400	1.400	1.400
WPB201	1.400	1.400	
WPH301	1.560	1.560	1.560
WPI101	1.290	1.290	
WPI101	1.290	1.290	
WPI101	1.290	1.290	1.290
WPI101	1.290	1.290	
WPI201	1.280	1.280	
WPI201	1.280	1.280	
WPI201	1.280	1.280	1.280
WPI201	1.280	1.280	
WPL101	1.122	1.122	1.122
WPV101	1.080	1.080	
WPV101	1.080	1.080	1.080
WPV201	1.460	1.460	1.460
WPV301	1.550	1.550	1.550
WQC101	1.560	1.560	
WQC101	1.560	1.560	
WQC101	1.560	1.560	1.560
WQC101	1.560	1.560	
WQC102	1.800	1.800	
WQC102	1.800	1.800	1.800
above & below are different per E900ChemChanges.x changes.x			
WQC102_1	-999.000	-999.000	
WQC102_1	-999.000	-999.000	
WQC102_1	-999.000	-999.000	
WQC102_1	-999.000	-999.000	
WQC201	1.750	1.750	
WQC201	1.750	1.750	
WQC201	1.750	1.750	1.750
WQC201	1.750	1.750	
above different per discussion at 1/04 ASTM E900 meeting 10 meeting			
WQC201_1	-999.000	-999.000	
WQC201_1	-999.000	-999.000	
WQC201_1	-999.000	-999.000	
WQC201_1	-999.000	-999.000	
WQC202	1.880	1.880	
WQC202	1.880	1.880	1.880
WRB_01	1.320	1.320	
WRB_01	1.320	1.320	
WRB_01	1.320	1.320	1.320
WRS101	1.492	1.492	
WRS101	1.492	1.492	1.492
WRS101	1.492	1.492	
WSA101	1.210	1.210	
WSA101	1.210	1.210	1.210
WSA201	1.285	1.285	
WSA201	1.285	1.285	
WSA201	1.285	1.285	1.285
WSA201	1.285	1.285	
WSB101	1.267	1.267	
WSB101	1.267	1.267	1.267
WSH101	1.182	1.182	1.182
WSH201	1.172	1.172	1.172

WSL101	1.069	1.069	
WSL101	1.069	1.069	1.069
WSL101	1.069	1.069	
WSL201	1.525	1.525	
WSL201	1.525	1.525	1.525
WSO201	1.400	1.400	
WSO201	1.400	1.400	1.400
WSO301	1.478	1.478	1.478
WSQ101	1.400	1.400	
WSQ101	1.400	1.400	
WSQ101	1.400	1.400	1.400
WSQ101	1.400	1.400	
WSQ201	1.500	1.500	
WSQ201	1.500	1.500	
WSQ201	1.500	1.500	1.500
WSQ201	1.500	1.500	
WSR101	1.230	1.230	
WSR101	1.230	1.230	1.230
WSR101	1.230	1.230	
WST101	1.360	1.360	1.360
WST201	1.450	1.450	
WST201	1.450	1.450	1.450
WSU101	1.497	1.497	
WSU101	1.497	1.497	1.497
WSU101	1.497	1.497	
WSU201	1.535	1.535	
WSU201	1.535	1.535	1.535
WSU201	1.535	1.535	
WSU201_	1.530	1.530	1.530
WSU2JW2			
WSU2JW3	1.630	1.630	1.630
WTM101	1.560	1.560	
WTM101	1.560	1.560	1.560
WTM201	1.530	1.530	1.530
WTM202	1.580	1.580	1.580
WTM203	1.630	1.630	1.630
WTP301	1.410	1.410	
WTP301	1.410	1.410	
WTP301	1.410	1.410	1.410
WTP301	1.410	1.410	
WTP401	1.440	1.440	1.440
WTRO01	1.390	1.390	
WTRO01	1.390	1.390	1.390
WTRO01	1.390	1.390	
WVO101	1.130	1.130	
WVO101	1.130	1.130	1.130
WVS101	1.410	1.410	
WVS101	1.410	1.410	
WVS101	1.410	1.410	1.410
WVS101	1.410	1.410	
WVY_01	-999.000	-999.000	
WWB101	1.960	1.960	1.960

WWC101	1.460	1.460	
WWC101	1.460	1.460	1.460
WWC101	1.460	1.460	
WWF301	1.350	1.350	1.350
WZN101	1.500	1.500	
WZN101	1.500	1.500	
WZN101	1.500	1.500	1.500
WZN101	1.500	1.500	
WZN101	1.480	1.480	
WZN201	1.581	1.581	
WZN201	1.581	1.581	1.581
WZN201	1.581	1.581	
			Average of 106 Welds Mn = 1.425679



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1																				
2	This worksheet is for estimating the time-averaged temperature in plants with operating changes.										E. D. Eason					#####				
3	The average temperature X over the last time interval is assumed to be the same as the average over the immediately preceeding interval.																			
4																				
5	Dataset	PLANT_ID	CAPSULE	HEAT_ID	Hrs_used	Tc	Est Tc	X												
6																				
7	NRG6551	NA1	V	FNA101	9444	550.0														Note:
8	NRG6551	NA1	U	FNA101	49722	553.0														X is the average temperature over the interval 9444 to 49722 hours, based on the time-averaged values of Tc at 9444 and 4
9	7-03P	NA1	W	FNA101	129336	>553?	553.4													Est Tc assumes X is the same in the interval 49722 to 129336 as in the interval 9444 to 49722 hours
10																				
11	NRG6551	NA1	V	FNA101	9444	550.0														
12	NRG6551	NA1	U	FNA101	49722	553.0														
13	7-03P	NA1	W	FNA101	129336	>553?	553.4													
14																				
15	NRG6551	NA2	V	FNA201	8722	550.0														
16	NRG6551	NA2	U	FNA201	53333	554.0														
17	7-03P	NA2	W	FNA201	134160	>554?	554.5													
18																				
19	NRG6551	NA2	V	FNA201	8722	550.0														
20	NRG6551	NA2	U	FNA201	53333	554.0														
21	7-03P	NA2	W	FNA201	134160	>554?	554.5													
22																				
23	5-00Calib	CB2	Z	PCB201	7556	560.0														
24	NRG6551	CB2	X	PCB201	39722	562.0														
25	7-03P	CB2	V	PCB201	80942	>562?	562.2													
26																				
27	5-00Calib	CB2	Z	PCB201	7556	560.0														
28	NRG6551	CB2	X	PCB201	39722	562.0														
29	7-03P	CB2	V	PCB201	80942	>562?	562.2													
30																				
31																				
32	NRG6551	DC1	S	PDC103	11056	539.0														
33	NRG6551	DC1	Y	PDC103	51389	540.0														
34	7-03P	DC1	V	PDC103	125005	>540?	540.2													
35																				
36	NRG6551	DC2	U	PDC201	8694	542.0														
37	NRG6551	DC2	X	PDC201	27250	541.0														
38	NRG6551	DC2	Y	PDC201	61362	540.0														
39	7-03P	DC2	V	PDC201	100652	<540?	539.7													
40																				
41	NRG6551	DC2	U	PDC201	8694	542.0														
42	NRG6551	DC2	X	PDC201	27250	541.0														
43	NRG6551	DC2	Y	PDC201	61362	540.0														
44	7-03P	DC2	V	PDC201	100652	<540?	539.7													
45																				
46	NRG6551	SL1	W97	PSL101	40917	541.0														
47	NRG6551	SL1	W104	PSL101	83408	545.0														
48	7-03P	SL1	W284	PSL101	150935	>545?	546.7													
49																				
50	NRG6551	SL1	W97	PSL101	40917	541.0														
51	7-03P	SL1	W284	PSL101	150935	>545?	546.7													same as PSL101 above - same heat & capsule
52																				
53	NRG6551	WC1	U	PWC101	9417	560.0														
54	NRG6551	WC1	Y	PWC101	41944	561.0														
55	5-04	WC1	V	PWC101	83188	>561?	561.1													
56	7-03P	WC1	X	PWC101	120888	>561?	561.2													

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
57																				
58	NRG6551	WC1	U	PWC101	9417	560.0														
59	NRG6551	WC1	Y	PWC101	41944	561.0														
60	5-04	WC1	V	PWC101	83188	>561?		561.1												
61	7-03P	WC1	X	PWC101	120888	>561?		561.2												
62																				
63	7-03P	DC1	V	SHSS02	125005	>540?		540.2												
64																				
65	5-00Calib	CB2	Z	WCB201	7556	560.0														
66	NRG6551	CB2	X	WCB201	39722	562.0														
67	7-03P	CB2	V	WCB201	80942	>562?		562.2												
68																				
69	NRG6551	DC1	S	WDC101	11056	539.0														
70	NRG6551	DC1	Y	WDC101	51389	540.0														
71	7-03P	DC1	V	WDC101	125005	>540?		540.2												
72																				
73	NRG6551	DC2	U	WDC201	8694	542.0														
74	NRG6551	DC2	X	WDC201	27250	541.0														
75	NRG6551	DC2	Y	WDC201	61362	540.0														
76	7-03P	DC2	V	WDC201	100652	<540?		539.7												
77																				
78	NRG6551	NA1	V	WNA101	9444	550.0														
79	NRG6551	NA1	U	WNA101	49722	553.0														
80	7-03P	NA1	W	WNA101	129336	>553?		553.4												
81																				
82	NRG6551	NA2	V	WNA201	8722	550.0														
83	NRG6551	NA2	U	WNA201	53333	554.0														
84	7-03P	NA2	W	WNA201	134160	>554?		554.5												
85																				
86	NRG6551	SL1	W97	WSL101	40917	541.0														
87	NRG6551	SL1	W104	WSL101	83408	545.0														
88	7-03P	SL1	W284	WSL101	150935	>545?		546.7												
89																				
90	NRG6551	WC1	U	WWC101	9417	560.0														
91	NRG6551	WC1	Y	WWC101	41944	561.0														
92	5-04	WC1	V	WWC101	83188	>561?		561.1												
93	7-03P	WC1	X	WWC101	120888	>561?		561.2												
94																				