

MAC and FLUIMAC reference list

End user	Plant # unit	Country	Order award	Year of start-up	MWe	R/N *	Ash rate t/h	Ash rate max t/h	Burned fuel	Boiler manufacturer
ENEL	PIETRAFITTA #1	Italy	1985	1986	35	R	2	10	Lignite	DURR-WERKE
ENEL	PIETRAFITTA #2	Italy	1985	1987	35	R	2	10	Lignite	DURR-WERKE
AERIMPIANTI	GIOIA del COLLE	Italy	1989	1989	20	N	0.5	1	Coal	FONTANA
ENEL	BASTARDO #1	Italy	1989	1991	75	R	1.5	2	Coal	B&W/ANSALDO
ENEL	MONFALCONE #1	Italy	1990	1990	160	R	1.5	3	Coal	C.E./F. TOSI
ENEL	BASTARDO #2	Italy	1990	1990	75	R	1.5	2	Coal	B&W/ANSALDO
ENEL	MONFALCONE #2	Italy	1991	1992	160	R	1.5	3	Coal	C.E./F. TOSI
ENEL	FUSINA #1	Italy	1991	1993	160	R	1.5	3	Coal	C.E./F. TOSI
ENEL	FUSINA #2	Italy	1991	1993	160	R	1.5	3	Coal	C.E./F. TOSI
ENEL	FUSINA #3	Italy	1993	1997	320	R	4	8	Coal	C.E./F. TOSI
ENEL	FUSINA #4	Italy	1993	1997	320	R	4	8	Coal	C.E./F. TOSI
FLORIDA POWER CORP.	CRYSTAL RIVER #2	USA	1993	1993	500	R	4.5	25	Coal	C.E.
EDELNOR	MEJILLONES #1	Chile	1994	1996	150	N	3	4	Coal	B&W
GESA	ALCUDIA #3	Spain	1994	1997	130	N	2.5	10	Coal	MHI
GESA	ALCUDIA #4	Spain	1994	1997	130	N	2.5	10	Coal	MHI
PUBLIC POWER CORP.	PTOLEMAIS #4	Greece	1994	1996	300	R	12	25	Lignite	EVT
ENDESA	ALMERIA #2	Spain	1995	1997	550	N	6.5	25	Coal	ABB/C.E.
ENEL	VADO LIGURE #3	Italy	1995	1999	320	R	1.5	3	Coal	B&W/ANSALDO
ENEL	VADO LIGURE #4	Italy	1995	1997	320	R	1.5	3	Coal	B&W/ANSALDO
ENEL	SULCIS #3	Italy	1995	1997	240	R	6	15	Coal	B&W/ANSALDO
EDELNOR	MEJILLONES #2	Chile	1996	1998	150	N	3	4	Coal	B&W/ANSALDO
STEAG	PAIPA #4	Colombia	1996	1998	165	N	2.5	9	Coal	B&W
ENERGETIKA TRINEC	TRINEC #k14	Czech Rep.	1997	1998	60	R	4	16	Coal	S.E.S.
SANHE ELECTRIC POWER LTD	SANHE #1	P.R. of China	1997	1999	350	N	4.5	16	Coal	MHI
SANHE ELECTRIC POWER LTD	SANHE #2	P.R. of China	1997	1999	350	N	4.5	16	Coal	MHI
AGIP PETROLI	GELA #1	Italy	1998	1999	150	R	1	2	Petroleum coke	ANSALDO
AGIP PETROLI	GELA #2	Italy	1998	1998	150	R	1	2	Petroleum coke	ANSALDO
AGIP PETROLI	GELA #3	Italy	1998	1999	150	R	1	2	Petroleum coke	ANSALDO
ENEL	LA SPEZIA #3	Italy	1998	2000	600	R	7	14	Coal	B&W
COMISION FEDERAL DE ELECTRICIDAD	PETACALCO #1	Mexico	1998	1999	350	R	5.5	16.5	Coal	MHI
COMISION FEDERAL DE ELECTRICIDAD	PETACALCO #2	Mexico	1998	1999	350	R	5.5	16.5	Coal	MHI
NOVA SCOTIA POWER INC.	TRENTON #5	Canada	1998	1999	160	R	1.8	11	Coal	B&W
VIVENDI	OLOMOUC #k3	Czech Rep.	1998	1999	30	R	1	2	Coal	S.E.S.
KOBE STEEL	KOBE #1	Japan	1999	2002	700	N	3.4	10	Coal	MHI
HOKKAIDO ELECTRIC POWER CORP.	TOMATOH-ATSUMA #4	Japan	1999	2002	700	N	3.4	10	Coal	I.H.I.
ZESPOL ELEKTRO. BYDGOSZCZ	BYDGOSZCZ #K4	Poland	2000	2000	65	R	3.0	9	Coal	RAFAKO
ZESPOL ELEKTRO. BYDGOSZCZ	BYDGOSZCZ #K3	Poland	2000	2002	65	R	3.0	9	Coal	RAFAKO
KOBE STEEL	KOBE #2	Japan	2000	2004	700	N	3.4	10	Coal	I.H.I.
ISKENDERUN ENERJI URETIM	ISKENDERUN #1	Turkey	2001	2003	605	N	5.0	15	Coal	Babcock Borsig Power
ISKENDERUN ENERJI URETIM	ISKENDERUN #2	Turkey	2001	2003	605	N	5	15	Coal	Babcock Borsig Power
SICHUAN TUOPAI HEAT & POWER LTD *	TUOPAI #1	P.R. of China	2001	2001	75	N	1.0	3	Coal	Jinan Boiler Plant
SICHUAN TUOPAI HEAT & POWER LTD *	TUOPAI #2	P.R. of China	2001	2001	75	N	1.0	3	Coal	Jinan Boiler Plant
ENEL	GENOVA #5	Italy	2001	2002	35	R	1.0	5	Coal	C.E./F. TOSI
ENEL	GENOVA #6	Italy	2001	2002	35	R	1	5	Coal	C.E./F. TOSI
ENEL	GENOVA #7	Italy	2001	2002	35	R	1	5	Coal	C.E./F. TOSI
ENEL	GENOVA #8	Italy	2001	2002	35	R	1	5	Coal	C.E./F. TOSI
ENDESA	LOS BARRIOS #1	Spain	2002	2003	550	R	5	10	Coal	C.E./B&WE
ENEL	GENOVA #9	Italy	2002	2003	160	R	1	5	Coal	C.E./F. TOSI
JIANGSU PROVINCIAL ELECTRIC POWER COMPANY*	JIA WANG #1	P.R. of China	2002	2003	135	N	3.0	6	Coal	HARBIN BOILER
JIANGSU PROVINCIAL ELECTRIC POWER COMPANY*	JIA WANG #2	P.R. of China	2002	2003	135	N	3.0	6	Coal	HARBIN BOILER
ENDESA ITALIA	FIUMESANTO #3	Italy	2003	2003	320	R	3	9	Coal	ANSALDO
ENDESA ITALIA	FIUMESANTO #4	Italy	2003	2003	320	R	3.0	9	Coal	ANSALDO
CHANGCHUN SECOND HEAT & POWER CO. LTD.	CHANGCHUN #1	P.R. of China	2003	2003	200	R	7.0	14	Coal	DONGFANG BOILER
CHANGCHUN SECOND HEAT & POWER CO. LTD.	CHANGCHUN #2	P.R. of China	2003	2004	200	R	7	14	Coal	DONGFANG BOILER
DELTA ELECTRICITY	WALLERAWANG #7	Australia	2003	2004	550	R	8	12	Coal	C.E. International
DELTA ELECTRICITY	WALLERAWANG #8	Australia	2003	2006	550	R	8	12	Coal	C.E. International
DELTA ELECTRICITY	MOUNT PIPER #1	Australia	2003	2007	660	R	9	12	Coal	I.H.I.
DELTA ELECTRICITY	MOUNT PIPER #2	Australia	2003	2008	660	R	9	12	Coal	I.H.I.
NIPPON BEET SUGAR MFG Co.	MEMURO	Japan	2003	2004	15	N	0.3	1	Coal	KHI
SP POWER DEVELOPMENT CO. LTD.	DATONG #6	P.R. of China	2003	2004	200	R	7	12	Coal	DONGFANG BOILER
JIANGSU PROVINCIAL ELECTRIC POWER COMPANY*	JIA WANG #3	P.R. of China	2003	2004	135	N	3	6	Coal	HARBIN BOILER
JIANGSU PROVINCIAL ELECTRIC POWER COMPANY*	JIA WANG #4	P.R. of China	2003	2004	135	N	3	6	Coal	HARBIN BOILER
CS ENERGY LTD.	CALLIDE B #1	Australia	2004	2004	350	R	9	12	Coal	BABCOCK HITACHI
CS ENERGY LTD.	CALLIDE B #2	Australia	2004	2004	350	R	9	12	Coal	BABCOCK HITACHI
CPPE	SINES #4	Portugal	2004	2004	314	R	3	12	Coal	Foster Wheeler
SUMITOMO METAL INDUSTRIES, Ltd.	KASHIMA STEELWORKS	Japan	2004	2007	507	N	3	9	Coal	I.H.I.
STEAG State Power Inc.	MINDANAO P.P.	PHILIPPINES	2004	2006	105	N	1	3	Coal	KHI
STEAG State Power Inc.	MINDANAO P.P.	PHILIPPINES	2004	2006	105	N	1	3	Coal	KHI
KOREA WESTERN POWER Co., Ltd.	TAEAN #7	SOUTH KOREA	2004	2006	500	N	4	12	Coal	DOOSAN
KOREA WESTERN POWER Co., Ltd.	TAEAN #8	SOUTH KOREA	2004	2007	500	N	4	12	Coal	DOOSAN
CPPE	SINES #2	Portugal	2005	2005	314	R	3	12	Coal	Foster Wheeler
BAOSTEEL - Baoshan Iron & Steel Co., Ltd.	BAOSHAN #1	P.R. of China	2005	2005	350	R	8	16	Coal	MHI
HidroCantábrico	ABOÑO #2	SPAIN	2005	2006	556	R	5	10	Coal	Foster Wheeler
ENEL	TORREVALDALIGA NORD #2	ITALY	2005	2007	660	N	7	20	Coal	ANSALDO / BABCOCK HITACHI
ENEL	TORREVALDALIGA NORD #3	ITALY	2005	2007	660	N	7	20	Coal	ANSALDO / BABCOCK HITACHI
ENEL	TORREVALDALIGA NORD #4	ITALY	2005	2007	660	N	7	20	Coal	ANSALDO / BABCOCK HITACHI
BAOSTEEL - Baoshan Iron & Steel Co., Ltd.	BAOSHAN #3	P.R. of China	2005	2005	350	R	8	16	Coal	MHI
J POWER	ISOGO #2	JAPAN	2005	2009	600	N	4	13	Coal	IHI
THE WEST BENGAL POWER DEVELOPMENT Co. Ltd.	DURGAPUR	INDIA	2005	2006	300	N	27	34	Coal	DONGFANG BOILER
KOREA SOUTHERN POWER Co., Ltd.	HADONG #7	SOUTH KOREA	2005	2007	500	N	4	9	Coal	DOOSAN
KOREA SOUTHERN POWER Co., Ltd.	HADONG #8	SOUTH KOREA	2005	2007	500	N	4	9	Coal	DOOSAN
KOREA SOUTH-EAST POWER Co., Ltd.	YONGHUNG #3	SOUTH KOREA	2006	2008	870	N	6	12	Coal	DOOSAN
KOREA SOUTH-EAST POWER Co., Ltd.	YONGHUNG #4	SOUTH KOREA	2006	2009	870	N	6	12	Coal	DOOSAN

N= new boilers
R= retrofitting
* = circulating fluidized bed boiler