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POWER FOR THE BATTLE OF PRODUCTION 59

Kilowatts Win the Modern War.....	59
50,000,000 Hp Turned Prewar Industry's Wheels.....	62
This Is the Power America Had When Hitler Took France.....	66
Central Stations Bear the Brunt of the Power Load.....	68
Capacity to Produce Depends on Distribution of Power Resources.....	70
New Kilowatts Outrace Power Shortage.....	72
Transportation Struggles to Meet Peak Fuel Needs.....	74
Equipment Makers Keep Pace With Record Demand.....	78
Skilled Manpower Stands at the Throttle.....	82
Research Shapes Future Power Pattern.....	86

BLUEPRINT FOR MILLIONS OF KILOWATTS 91

Central-Station Steam-Power Maps.....	92
Typical New Central-Station Steam Plants.....	96
Typical New Industrial Steam Plants.....	98
Typical New Institutional and Municipal Steam Plants.....	102
Typical New Hydroelectric Plants.....	104
Map of All Government Hydro Plants.....	106
Projected Hydro Plants Proposed by Federal Power Commission.....	107
Projected Power Plants Proposed by Bureau of Reclamation.....	150

PRACTICAL AIDS TO DEFENSE

Steam-Generating Equipment	116
Prime Movers	122
Electrical Equipment	126
Pumps, Piping and Valves.....	130
Feedwater Treating	138
Lubricating Equipment	142

DEPARTMENTS

Defense Digest	114
Power Lines, News.....	152
New Plant Equipment.....	178
George Edwards	146
Photostory	110
Engineers' Bookshelf	214

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Typical Industrial Steam Plants Installed

Compiled by F. N. Bowler

600 LB AND ABOVE

Company	Location	Consulting Engineers	Year Installed	Boiler Capacity (lb/hr)	Boiler Pressure (psi)	Boiler Type	Boiler Rating (lb/hr)	Boiler Efficiency (%)	Boiler Notes
Columbia Chemical Div.	Barberton, Ohio		12-41	900	750	1	150	BW	8.7
Aluminum Ore Co.	Mobile, Ala.	J. G. White Co.	7-41	850	550	3	100	BW	6.7
Eastman Kodak Co.	Rochester, N. Y.		12-41	825	750	1	200	BW	8.0
Winchester Rptg Arms Co.	New Haven, Conn.	A. L. Nelson	7-41	675	750	1	100	RS	5.2
General Electric Co.	Lynn, Mass.		8-41	650	550	1	125	BW	2.4
			5-41	250	452	2	60	FW	2.4
			4-41	250	488	3	60	BW	...
Kellogg Co.	Battle Creek, Mich.	Sargent & Lundy	1-42	650	750	1	100	RS	6.6
Phelps Dodge Corp.	Morenci, Ariz.	Wilbur Jurden	11-41	650	835	2	160	CE	9.6
						4	45.5	CE	7.4
Shell Oil Co. Inc.	Wood River, Ill.		1-42	650	750	1	125	RS	8.2
Tri-State Power Co-op.	Genoa, Wis.	A. Y. Taylor & Co.	5-41	650	850	2	40	RS	2.2
General Electric Co.	Pittsfield, Mass.		9-41	625	825	1	100	BW	4.9
Millville Mfg Co.	Millville, N. J.		1941	610	750	2	80	EM	4.3
Carbide & Carbon Chem Corp.	Texas City, Texas	Ford, Bacon & Davis	5-41	600	700	2	150	BW	5.4
Pennsylvania R.R.	Pittsburgh, Pa.		2-42	600	589	2	40	EC	1.8
Celanese Corp.	Narrows, Va.		1-42	600	800	2	150	RS	8.8
General Electric Co.	Erie, Pa.			600	850	1	125	BW	5.3
St. Mary's Kraft Corp.	St. Mary's, Ga.	G. F. Hardy	7-41	600	700	1	40	BW	3.2
			7-41	600	700	1	60	BW	3.2

450 TO 599 LB

W. Va. Pulp & Paper Co.	Mechanicville, N. Y.			575	700	2	150	FW	15.1
E. I. Du Pont de Nemours	Millington, Tenn.		11-40	550	700	6	90	CE	5.7
E. I. Du Pont de Nemours	Charlestown, Ind.			550	700	11	160	CE	11.8
Salt River Valley Assn.	Tempe, Arizona	F. S. Cummings	8-41	475	750	3	100	BW	...
Alton Box Board Co.	Alton, Ill.		7-41	450	750				...
Bendix-Westinghouse Co.	Wilmerding, Pa.		6-41	450	750	2	20	BW	...
Blandin Paper Co.	Grand Rapids, Minn.		1-42	450	675	1	100	BW	...
Champion Paper & Fibre	Canton, N. C.		1941	450	700	1	70	CE	7.0
Ecusta Paper Corp.	Pisgah Forest, N. C.	J. E. Serrine & Co.	8-41	450	700	2	41.5	CE	...
Florida Pulp & Paper Co.	Pensacola, Fla.	Hardy S. Ferguson	7-41	450	650	1	40	BW	...
Fulton Bag & Cotton Mills	Atlanta, Ga.		7-41	450	650	1	82	BW	...
			6-40	450	730	1	65	BW	2.4
Capitol Container Corp.	Bonham, Tex.	E. H. Barry	1-42	450	710	1	210	RS	9.0
				450	710	1	150	RS	6.9
				450	710	1	100	CE	5.5
International Paper Co.	Corinth, N. Y.		1-42	450	750	1	100	BW	5.7
James Lees & Sons Co.	Bridgeport, Pa.	H. A. Kuljian & Co.	10-41	450	700	1	30	EM	2.0
Laquila Pet. Co.	Beaumont, Texas		7-41	450	625	1	260	CE	11.2
Minn. & Ontario Paper Co.	International Falls, Minn.		10-41	450	600	1	30	CE	...
Monsanto Chemical Co.	Nitro, W. Va.		12-40	450+		1	40	RS	1.9
Penn. Salt Mfg Co.	Wvondotte, Mich.		11-41	450	700	1	200	BW	9.9
Minn. Street Ry Co.	Minneapolis, Minn.		6-41	450	735	1	150	CE	8.2
J. J. Rogers Co.	Au Sable Forks, N. Y.		7-41	450	600	1	50	EC	...
Rayonier, Inc.	Hoquiam, Wash.		12-40						...
Rayonier, Inc.	Port Angeles, Wash.		1-42						...

BELOW 400 LB

General Electric Co.	Bridgeport, Conn.		12-41	425	750	1	100	BW	4.5
P. & M. Schaefer Brg Co.	Brooklyn, N. Y.	Fred Ophuls	5-41	425	650	1	75	BW	2.9
Crawford Clothes	Long Island City, N. Y.	Huxley Madeheim	2-41	400	700	1	16	BW	...
Crossett Paper Mills	Crossett, Ark.		7-42	400	700	1	33.2	TI	...
Algoma Steel Corp.	Sault Ste. Marie, Ont.	W. E. S. Dyer	12-41	400	750	2	135	BW	2.9
Harcross & Cowing Co.	St. Bernard, Ohio		1941	400		1	10	FW	8.9
								BW	...
Masonite Corp.	Laurel, Miss.		8-41	400	750	2	75	RS	3.8
Rhineland Paper Co.	Rhineland, Wis.		7-41	400	580	1	100	BW	3.0
Tennessee C. I. & R. R.	Furness, Ala.		3-42	325	630	1	200	BW	16.5
								BW	...
Carnegie-Illinois Steel Corp.	Chicago, Ill.		9-41	300	700	11	13.7	BW	...
Phelps-Chattillon Corp.	Worcester, Mass.	Lockwood-Groome	12-41	300	650	1	45	BW	...
Narragansett Brewing Co.	Providence, R. I.			265		2	40	CE	2.3
American Cy. Mfg. Co.	Wilmington, Conn.		6-41	250	400	1	15	BW	...
Anaconda Wire & Cable Co.	Sydney, N. S. W.		11-41	250	400	1	6	BW	...
Bethlehem Steel Co.	Quincy, Mass.	United Engineers	11-40	250	400	3	60	CE	2.5
			8-40	250	600	2	80	CE	1.8
Granby Cans Mfg. Smtg & Pwr Co.	Princeton, B. C.		8-40	250	600	1	40	...	...

ABBREVIATIONS AND GENERAL NOTES

UNDER BOILER MANUFACTURER	UNDER FAN DRIVE	UNDER FIRING AND FUELING
Babcock & Wilcox Co.	Motor, 1 turbine per fan	Bark and bark burning
Combustion Engineering Co.	Motor, 1 turbine per fan	Stoker
Erie City Iron Works	Motor, 1 turbine per fan	Direct furnace
E. Keeler Co.	Motor, 1 turbine per fan	Bituminous coal
Edgar Moor Iron Works	Motor, 1 turbine per fan	Anthracite coal
Foster Wheeler Co.	Motor, 1 turbine per fan	...
Riley Stoker Corp.	Motor, 1 turbine per fan	...
Yonville Iron Works Co.	Motor, 1 turbine per fan	...
UNDER AIR HEATER TYPE	UNDER AIR VOLUME CONTROL	UNDER GAS VOLUME CONTROL
...	...	...

[illegible]

V	M	H	UF 46.5	C	12.3	2100	T	S	10.0	3600	WE	15	1	140	A			1250	32.5	
H	M	H	PC, O, G	C, O, G			2T		7.5	3600	GE	110			A			300	15	
S	T		UF (422)	C	13.6				5.0	3600	GL	20	2	275-150	A			1130	26	
S, V	M		PC	C	18.6		M	R	5.0	3600	GL	5	2	150-50	A			400	15	
S, D	M		U	O	18.6			S, R												
S, D	T		U	O	18.6			S, R												
S	T		U	O	18.6		2M, 1T	S										836	31	
V	M	V	PC	C	13.0	2500	2T	R	3.0	3600	GE	45	1	140	A			225	5	
D, U	M	D	G, O	C, O	1.1		2M, 2T	R	12.5	3600	GE	1	3	119-8	A	B	2	CP	502	45
S	1M, 1T		WH	WH			T	S										980		
S, V	D	D	PC, O, Pck	C, O, Pck	11.0	2100	2M, 1T	R	4.3	3600	M	0.7	3	190-12	A	3.1	1	Ad	80	8.6
S, V	M	S, D	PC, O	C, O	14.3	2500			7.5	3600	GE	1	2	205-18	A	8.0	2	Mu	380	21
S, V	M	V	PC, O	C, O	13.9	2100	1M, 1T													
D	T	D	G, O	C, O	1.1		2T	S	7.0	3600	GE	85			A			300	7	
D, V	M	S, V	UF (127)	C	12.9	2320	2T	S	0.7	3600	WE	165			A			120	2.3	
S, D	2M	S, D	UF (283)	C	14.5	2300	1M, 1T	R	12.0	3600	GE	0.7	2	165-65	A	7.4	2	Ad	450	12
D	M	D	L	L	13.5	2600	1M, 1T	R												
D	M	D	O, B	O, R	18.0		1M, 1T	R	3.0	3600	GE	1	1	45	A	3.0	2	Br	100	3.4
D, V	1M, 1T	S, V	PC	CA	11.8	3000	3T	R	5.0	3600	WE	1	2	160-30	A		2	Ad	800	10
S, V	T	S, V	PC	C	11.4		5T	S	15.0	3600	GE				A	2.1	2		540	15
S, D	M	S, D	PC	C	11.4	2000	8T	R	55.0	3600	WE	1.2	2	150-50	A	4.4	2		1760	53
V	2M	D	O, G	O, G	18.0		2M, 1T	R	7.5	3600	GE	1	3		A	9.0	2	CP	306	28
			UF	C	13.5	2400	1M, 1T	R	1.5	3600	WE	54	1	175	A				250	5.5
									0.5	3600	WE	25	1	100	A				40	0.5
D, Ma	M	D, Ma	PC	C	14.2	2700	1M, 1T	R	4.0	3600	AC		1	25	A	3.0	2		250	10
H	M	H	L	L	6.5				7.5	3600	GE	1	1	44	A	8.0	2	Ad	915	30
H	M	H	UF (138)	C	14.3	2620	1M, 1T	R	4.0	3600	GE	1	1	90	A	4.0	2	Ad	138	6
S, D	2M	D	L	L			1M, 1T	S, R	3.5	3600	WE	1	2	150-50	A	2.5	2	Mu	122	3.5
S, D	2M	S, D	G, O	C, O	1.0															
	M		PC	C	13.6	2400	2M, 1T	S	1.5	3600	GE	0.7	1	30	A			135	6.5	
V	2M	V	G, O	G, O			2M, 2T	S	7.5	3600	WE	1	1	165	A			1100	25	
V	2M	V	B	B																
V	2M	V	L	L																
D	M	D	PC	C	13.9	2400	1M, 1T	S	2.5	2400	GE	130			A			330	5	
D	M	D	UF (108)	C	13.5		2T	R										60		
D	T	D	G, O	O, G	18.5													1060	25	
D	2M	H, D	PC	C	14.0	2550	M	R	7.5	3600	GE	0.5	2	145-45	A	8.5	1	500	20	
V, D	T	S, D	G	C	1.1		T	S										65		
D, Ma	M	D, Ma	PC	C	13.3	2200	2M	R	6.0	3600	GE	1	2	150-3	A	6.0	2	Mu	626	23
V	1M, 1T		PC, G, O	C, O, G	14.2	2500	T	R										990		
	1M, 1T	D	TG (190)	CA	12.5	3000	1M, 1T	R	1.5	3600	GE	20	1	120	A			90	2.8	
									2.0	3600	GE	50			A			10		
									2.0	3600	GE	65			A			300	13	
S, D	M	S, D	PC	C	14.0	2500	M											420	19	
S	1M, 1T		O	O	18.4		T	S	0.8	3600	TE	50						175	1	
S	M	D	O	O			M		0.2	4000	M1	125						32	0.4	
D	M	D	O	O			Du	R	0.2	4000	M1	13								
D	T	D	G, L	G, L					4.0	3600	WE	55	1	140	A			285	7.5	
V	M		PC, BFG	PC, BFG	14.0	2460	1M, 1T	R	1.0	3600	WE	160			A			404		
V			SS (36)	C			2 Du	R										10		
S, D	M	S, D	G	G	1.0		2M, 1T	R	5.6	3600	GE	1	2	153-34	A	5.6	2	CP		
D	2M	D	UF (208)	C	14.2	2700			5.6	3600	GE	1	2	153-34	A	5.6	2	CP	475	12
D	T	D	PC	C	12.2	2300			1.0	3600	GE				A	2.6	2	CP		
D	T	D	BFG	BFG	0.1		2T	S	4.0	3600	WE	1	1	10	A	2.9	8	Ad	400	10
V	T	D	WH	WH			1M, 2T	S, R										1505	95.4	
D	M		PC, O	C, O	14.3	2400	1M, 1T	R	0.8	4500	TE	20			A	1.1	3	Ad	80	1.4
D			UF	C			2Du	S										15		
D			TG (50)	C			2Du	S										18		
D			O	C	18.5		2T, 3Du	R										180		
V, H	M	V, H	PC	C	7.6	2100	3T	S, R	10.0	1800	AC		2	60-20	A	10.0	2	Ad	200	17.5
V, H	M	V, H	TG (195)	C	7.6	2100														

PUMP-DRIVE	UNDER FEED-PUMP FLOW CONTROL	TE — Terry Steam Turbine Co.	GENERAL NOTES:
Driven pump etc. Hj	Hydraulic coupling	WE — Westinghouse Electric & Mfg Co.	Now operating at 125 lb
Driven pump etc. M	Magnetic coupling		Designed for future operation at higher pressure
Driven pumps, etc. R	Pump regulator	UNDER GENERATOR COOLING	Total capacity in turbines, individual data not available
Reciprocating steam S	Variable-speed driver	A — Air	Mixed-pressure turbine
Reciprocating steam AC		H — Hydrogen	Under turbine capacity, indicates engine-generator
Pumps, etc. EL	UNDER TURBINE MANUFACTURER	UNDER CONDENSER-TUBE MATERIAL	
Reciprocating steam GE	Allis-Chalmers Mfg Co.	Ad — Admiralty	
Pumps, etc. M	Elliott Co.	Br — Aluminum Bronze	
Reciprocating steam CP	General Electric Co.	CP — Arsenical Copper	
Pumps, etc. Mt	Moore Steam Turbine Co.	Mu — Muntz Metal	
	Murray Iron Works Co.		

Typical Central Stations Instal

1000 LB AND ABOVE

Consolidated Edison Co. N. Y.	New York, N. Y.	Sherman Creek	1942	1625	950	1	925	CE	53	ST	
Public Service Elec & Gas Co.	Burlington, N. J.	Burlington	12-42	1475	950	2	550	BW	23.5	ST	
Public Service Elec & Gas Co.	Jersey City, N. J.	Marion	11-42								
Boston Edison Co.	Everett, Mass.	Mystic	12-42	1400	910	1	430	CE		DB	
Boston Edison Co.	South Boston, Mass.	L Street	8-42	1400	910	1	500	CE	31.5	DB	
Metropolitan Edison Co.	West Reading, Pa.	West Reading	9-41	1400	900	2	275	CE	16.9	DB	
Pacific Gas & Electric Co.	San Francisco, Calif.	Oleum	1943	1400	950	3	300	BW		DB	
Appalachian Elec & Power Co.	Cabin Creek, W. Va.	Cabin Creek	6-42	1375	950	1	450	FW	23.8	DB	
Ohio Power Co.	Philo, Ohio	Philo	1942	1375	950	2	450	BW	19.8	DB	
Deepwater Light & Power Co.	Deepwater, N. J.	Deepwater	1-42	1350	765	1	550	BW	48.5	DB	
Penn Power & Light Co.	Harrisburg, Pa.	Cedar	6-41	1325	930	2	185	CE	8.09	DB	
Wisconsin Electric Power Co.	Port Washington, Wis.	Port Washington	11-42	1325	850	1	690	CE	60.0	DB	
San Antonio Public Serv Co.	San Antonio, Tex.	Station B	2-43	1325	900	1	275	BW	1.1	DB	
Buffalo Niagara Elect Corp.	Buffalo, N. Y.	Huntley	1942	1250	900	1	900	BW	37.7	ST	
Commonwealth Edison Co.	Chicago, Ill.	Fisk	10-43	1250	925	2	750	CE	48.0	ST	
Commonwealth Edison Co.	Chicago, Ill.	Fisk	11-42	1250	925	2	750	BW	46.0	ST	
Monongahela-West Penn P & S Co.	Rivesville, W. Va.	Rivesville	10-42	1250	925	1	400	FW	23.8	DB	
Philadelphia Electric Co.	Chester, Pa.	Chester	1942	250	570	1	600	BW	27.0	ST	

850 TO 999 LB

Alabama Power Co.	Chickasaw, Ala.	Chickasaw	1942	950	900	1	400	CE		DB	
Georgia Power Co.	Macon, Ga.	Arkwright	3-42	950	900	1	400	CE		DB	
Georgia Power Co.	Macon, Ga.	Arkwright	6-43	950	900	1	400	BW	22.3	DB	
Connecticut Light & Power Co.	Devon, Conn.	Devon	1942	950	900	2	225	CE	12.4	DB	
Duke Power Co.	Spencer, N. C.	Buck	7-42	925	900	1	375	CE	19.3	DB	
Southern Ind Gas & Elect Co.	Evansville, Ind.	Ohio River	9-42	900	900	1	225	RS	12.4	DB	
Jersey Central Pwr & Lt Co.	Sayreville, N. J.	Raritan River	1941	900	900	1	400	BW	15.4	ST	
Jersey Central Pwr & Lt Co.	Sayreville, N. J.	Raritan River	1943	900	900	1	400	BW	15.4	ST	
Carolina Power & Light Co.	Charlotte, N. C.	Cape Fear River	1942	900	905	2	300	RS		DB	
Consumers Power Co.	Undetermined	Undetermined	1943	875	900	1	550	FW		DB	
Indianapolis Pwr & Lt Co.	Indianapolis, Ind.	Harding St.	1943								
Consumers Power Co.	Bay City, Mich.	John C Weadock	8-42	875	900	1	550	FW		DB	
Tampa Electric Co.	Tampa, Fla.	W Jackson St.	8-42	860	830	1	160	BW	6.7	DB	
Alabama Power Co.	Gorgas, Ala.	Gorgas No. 2	3-43	850	900	1	650				
Northern States Power Co.	St. Paul, Minn.	High Bridge	11-41	850	900	1	450	BW	37.5	DB	
New Bedford Gas & Edison Co.	New Bedford, Mass.	New Bedford	2-42	850	825	2	150	BW		ST	
Tennessee Valley Authority	Watts Bar Dam, Tenn.	Watts Bar	11-41	850	900	3	600	BW		ST	
Consol Gas Elec Lt & Pr Co.	Baltimore, Md.	Riverside	11-42	850	900	1	550	BW	28.95	DB	
Duquesne Light Co.	Wireton, Pa.	Frank R Phillips	4-42	850	900	2	500	FW	25.4	DB	
Hartford Electric Light Co.	Hartford, Conn.	South Meadow	9-42	850	900	1	450	BW	19.9	DB	
Philadelphia Electric Co.	Philadelphia, Pa.	Southwark	1943	850	900	2	850	BW	40.5	ST	
Philadelphia Electric Co.	Philadelphia, Pa.	Southwark	1943	850	900	2	850	BW	40.5	ST	
Virginia Electric & Power Co.	Norfolk, Va.	Reeves Avenue	10-41	850	875	1	450	CE		ST	
Detroit Edison Co.	Marysville, Mich.	Marysville	12-42	815	900	3	440	CE	23.6	DB	

650 TO 849 LB

Ohio Edison Co.	Akron, Ohio	Gorge	10-42	800	850	1	450	BW		DB	
N. Y. State Electric & Gas Corp.	Dresden, N. Y.	Greenidge		700	825	1	220	FW	12.2	DB	
Virginia Public Service Co.	Alexandria, Va.	Alexandria	7-42	700	825	2	80	CE	3.6		
Potomac Electric Power Co.	Washington, D. C.	Buzzard Point	1942	690	900	1	525	CE	25.0	ST	
Interstate Power Co.	Dubuque, Iowa	Dubuque	12-41	675	900	1	150	CE	9.8	DB	
Wisconsin Public Service Corp.	Bayshore	Bayshore	7-42	675	900	1	310	BW		DB	
Rochester Gas & Elec Corp.	Rochester, N. Y.	Rochester #3	1942	660	825	1	300	CE		DB	
Cincinnati Gas & Elec Co.	Cincinnati, Ohio	Columbia	7-42	650	900	2	350	BW	4.8	ST	
Superior Water, Lt & Pwr Co.	Superior, Wis.	Winslow	2-42	650	825	1	125	CE	6.1	DB	
Kansas City Power & Light Co.	Kansas City, Mo.	Grand Avenue	7-43	650	950						
Louisville Gas & Electric Co.	Louisville, Ky	Canal	11-41	650	900	1	312	CE	20.3	DB	
Louisville Gas & Electric Co.	Louisville, Ky	Paddy's Run	5-42	650	900	2	312	CE	20.3	DB	
United Illuminating Co.	Bridgeport, Conn.	Steel Point	10-43	650	860	2	150	BW	8.3	DB	

400 TO 649 LB

Iowa Elect Light & Power Co.	Boone, Iowa	Boone	10-43	600	750	2	130	SB	7.4	DB	
Mayaguez Lt. Pr & Ice Co.	Mayaguez, P. R.	Plant No. 2	6-42	600	825	1	55	CE	1.5	DB	
Interstate Power Co.	Albert Lea, Minn.	Albert Lea	12-41	450	825	1	90	CE		DB	
Long Island Lighting Co.	Glenwood Ldg, N. Y.	Glenwood	11-41	450	800	1	550	BW	39.9	DB	
Porto Rico RR, L & Pwr Co.	San Juan, P. R.	Santurce	8-41	450	710	2	110	BW	3.4		
Union Public Service Co.	Canby, Minn.		12-41	450	750						
Central Ohio Gas & Elec Co.	Huron, Ohio	Woodcock	1-41	425	250	1	90	RS	5.4	DB	
Columbus & South Ohio Elec Co.	Columbus, Ohio	Brewer	1-42	400	750						
Interstate Power Co.	Clinton, Iowa	Clinton	8-41	400	825	1	45	RS	3.3	DB	
Oklahoma Gas & Elec Co.	Oklahoma City, Okla.	Arthur S Huey	6-43	400	750						

BELOW 400 LB

Central Power & Light Co.	Corpus Christi, Texas	Nueces Bay	1-42	390	835	1	175	BW			
Central Power & Light Co.	Corpus Christi, Texas	Nueces Bay	10-42	390	835	1	175	BW			
Public Service Co of Colo	Boulder, Colorado	Vermont	1941	350	750	2	300	BW	18.4	DB, ST	
San Diego Gas & Electric Co.	San Diego, Calif	Station B	9-41	250	700	1	200	BW	8.2		
Wake Superior District Power Co	Ashland, Wis	Bay Front	9-41	225	550	1	120	RS	4.0		

Coal, bituminous	DL	De Laval Steam Turbine Co	GE	General Electric Co	MS	Moore Steam
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T	M	S	V	PC	O	C	14.1	2500	T	S	50.0	3600	WE	215.0	1	415	H	55.0	1	Ad	2,815	221
M	M	S	V	PC	O	C	18.4-14.2	2100	M	Hy	100.0	3600	WE	0.5	5	322-10.2	H	55.0	1	Ad	2,825	225
M	M	S	V	PC	O	C	18.5-11.9	2550	2M	3T	50.0	3600	GL	0.5	2	28.4-7.5	H	33.8	1	Ad	2,975	195
M	M	S	V	PC	O	C	18.7-11.9	2750	2M	3T	50.0	3600	GL	0.5	4	188-5	H	33.8	1	Ad	4,300	50
M	M	S	V	PC	O	C	18.7-11.9	2750	2M	3T	18.75	3600	GL	330.0			A				2,878	246
M	M	S	V	PC	O	C	13.84		3T	S	20.0	3600	WE	280.0			A				1,347	96
M	M	S	V	PC	O	C	12.9	2700	6M	S	40.0	3600	GL	225.0			H	22.0	1		1,270	80
MT	MT	S	V	PC	O	C	11.5	2000	3M	S	28.5	3600	GL	0.5	5	495-5.8	H	47.0	1	Ad	3,690	286
MT	MT	S	V	PC	O	C	14.0	2480	2M	S	85.0	3600	GL	0.5	5	495-5.8	H	52.5	1	CP	1,760	415
MT	MT	S	V	PC	O	C	10.7	2500	2M	1T	20.0	3600	GL	215.0			H				3,450	138
											15.0	3600	GL	225.0			A					37
2MP	2MP	S	V	PC	O	C	13.0	2250	2M	1T	80.0	1800	AC	0.5	5	400	H	52.5	1		1,380	160
2MP	2MP	S	V	PC	O	C	13.7	2550	3M	1T	20.0	3600	WE	1.0	4	199-9.9	H	22.7	2	CP	822	56
M	M	S	V	PC	O	C	10.0	2350	3M	1T	80.0	1800	GE	0.5	6		H	58.6	1	Ad	7,640	515
M	M	S	V	PC	O	C	10.0	2350	3M	1T	150.0	1800	WE	0.5	5	509-6	H	90.0	1		3,730	473
M	M	S	V	PC	O	C	10.0	2350	3M	1T	147.0	1800	AC	0.5	5	480-5.5	A	90.0	1	Ad	5,120	473
M	M	S	V	PC	O	C	13.5	2100	M	S	35.0	3600	WE	0.75	4	280-10.2	H	30.0	2	Ad	1,050	110
M	M	S	V	PC	O	C	14.06	2400	T	S	80.0	1800	WE	0.5	3	60-5.4	H	63.5	1	Ad	1,200	256
2MP	2MP	D	V	PC	C	O	12.0-13.5	2100	2M		40.0	3600	WE	1.0	5	316-9.2	H	26.9	2		800	80
2MP	2MP	D	V	PC	C	O	14.0	2700	M		40.0	3600	WE	1.0	5	316-9.2	H	31.3	2		800	80
		D	V	PC	C	O	14.0-13.5	2700	M		40.0	3600	GE	1.0	5	249	H	31.3	2		1,206	120
M	M	S	V	PC	O	C	14.0	2400	2M		45.0	3600	WE	0.5	5	311-5.6	H	30.0	1			
M	M	S	V	PC	O	C	14.3	2600	3M	1T	40.0	3600	GE	0.75	4	201.6-5.5	H	31.3	2	Ad	2,250	190
M	M	S	V	PC	O	C	10.6	2100	M		20.0	3600	AC	1.0	5	235-23.7	H	18.3	2		970	72
M	M	S	V	PC	O	C	14.4	2550													850	
M	M	S	V	PC	O	C	14.4	2550			25.0	3600	GL	315.0							1,250	85
M	M	S	V	PC	O	C	11.0	1950	4M	1T	25.0	3600	WE	1.0	5	293-12	H	26.5	2	Ad	1,200	90
										50.0	3600	GE	0.5	5	223-5.95	H	43.0	2				
										37.5	3600	GE	0.75	4	164.3-5.33	H	40.0	2	Ad	1,520	148	
M	M	S	V	PC	O	C	13.3	2300	M		50.0	3600	GE	0.5	5	225-5.95	H	43.0	2		1,750	120
M	M	S	V	PC	O	C	18.1		2M	S	15.0	3600	WE	1.0	4		A	14.0	2	Ad	880	55
2MP	2MP	S	V	PC	O	C	11.2	1900	2M	1T	60.0	3600	GE	0.5	4		H				1,450	120
2MP	2MP	S	V	PC	O	C	14.3		3T	S	50.0	3600	GE	0.75	4	200-9	H	43.8	2	Ad	450	117
Du	Du	S	V	PC	O	C	13.5	2000	5M	R	7.5	3600	GE	200.0			A				1,750	96
										3-60.0	1800	GE	1.0	4	243-10.4	A	40.0	1	Ad	1,800	180	
M	M	S	V	PC	O	C	14.1	2350	1M	1DU	50.0	3600	GE	0.5	4	364-11	H	46.5	2	Ad	550	50
M	M	S	V	PC	O	C	12.9		1M	2T	60.0	3600	WE	0.75	5	355-5.2	H	43.6	1	Ad	1,000	60
M	M	S	V	PC	O	C	14.0-18.0	2750	1M	1T	45.0	3600	GE	0.5	3		H	36.0	2	Ad	1,760	170
								2250	M		150.0	3600	WE	0.5	4	295-6.4	H	77.0	1	Ad	3,400	150
								2250	M		150.0	1800	WE	0.5	4	295-6.4	H	77.0	1	Ad	3,400	300
M	M	S	V	PC	O	C	14.4	2400	2M	1T	40.0	3600	WE	0.75	3	201-10	H	30.0	1	Ad	1,600	114
M	M	S	V	PC	O	C	13.5	2500	1M	1T	75.0	1800	GE	0.5	4	224-7.7	A	50.3	1	Ad	3,160	235
M	M	S	V	PC	O	C	11.5	2400	3M		35.0	3600	WE	1.0	5	220-6.5	H	32.6	2		1,394	102
M	M	S	V	PC	O	C	13.9	2500	2M		20.0	3600	GE	14.5	3	122-6.8	A	16.9	2		440	40
M	M	S	V	PC	O	C	14.3	2358	2T	S	15.0	3600	WE	14.2	2	29.7-8.8	A	12.0	2	Ad	348	43
M	M	S	V	PC	O	C	14.3	2300	4M	1T	50.0	1800	GE	0.5	4	202-7	A	41.0	1	Ad	2,325	220
2MP	2MP	S	V	PC	O	C	10.5	1950	M	R	30.0	3600	AC	0.5			H				498	38
2MP	2MP	S	V	PC	O	C	13.2	2500	1M	1T	30.0	3600	AC	0.5			H				570	50
2MP	2MP	S	V	PC	O	C	13.6	2600	1M	1T	25.0	3600	GE	14.5	3		H	20.5	2	CP		
MT	MT	S	V	PC	O	C	13.5	2500	3M		65.0	1800	GE	0.5	4	170-7	H	51.8	2	CP	2,700	250
2MP	2MP	S	V	PC	O	C	14.2	2600	1M	1T	12.5	3600	AC	0.5	3	130-11	A	10.9	1	Ad	160	14
M	M	S	V	PC	O	C	11.3	1975	2M	1T	35.0	3600	WE	0.75	6	380-10	H				1,425	142
M	M	S	V	PC	O	C	11.3	1975	2M	1T	25.0	3600	WE	0.75	4	144-7.2	H	28.0	2	Ad	967	62
M	M	S	V	PC	O	C	14.2	2575	2M	1T	25.0	3600	WE	0.75	4	144-7.2	H	28.0	2	Ad	624	50
											25.0	3600	GE	0.5	4	265-12	H	27.2	2	Ad	1,534	135
2MP	2MP	D	V	PC	O	C	8.9	1950	1M	1T	7.5	3600	AC	0.5	4	287-8.5	A	9.5	2	Ad	360	22
M	M	S	V	PC	O	C	18.5		2M	R	5.0	3600	GE	1.0	3	125-9	A	4.5	1	Ad	99	9
M	M	S	V	PC	O	C	14.7	2500	1M	1T	7.5	3600	GE	0.5	3	119-7.7	A		2		270	19
M	M	S	V	PC	O	C	18.2		1M	1T	15.0	3600	GE	1.2	3	195-2.0	A	6.8	2	Ad	1,650	170
										5.0	3600	GE		3	125-5	A	6.3	2	Ad	353	25	
M	M	S	V	PC	O	C	13.8	2300	1M		7.5	3600	WE	0.5	3	118-7.0	A	7.5	2	CP	120	10
M	M	S	V	PC	O	C	10.5	1950			40.0	3600	GE	0.75	3	110-5.7	H	38.0	2	CP	210	17.5
																				900		
																				138	5.7	
									M	R	20.0	3600	GE	1.0	3		A		2	Ad	660	50
M	M	S	V	PC	O	C	1.1		M	R	15.0	3600	GE	0.75	4	215.2-31.8	A	17.0	2	Ad	520	30
M	M	S	V	PC	O	C	9.2	2230	M	R	15.0	3600	WE	0.75	4	102-8.4	A	17.0	2	Ad	520	45
2MP	2MP	S	V	PC	O	C	9.2		T	S	25.0	3600	GE	0.5	5	86-2	A	31.0	2		1,420	95
M	M	S	V	PC	O	C	1.1				3.0	3600	GE				A				1,335	102
2MP	2MP	S	V	PC	O	C	13.8	2489	1M	1T											300	15