

MODERN PLANT SURVEY

PLANTIFF'S EXHIBIT

WH-1043



Technical highlights of central-station and industrial-plant construction to meet postwar loads; tabulations of engineering features of steam, internal-combustion and hydro plants installed in war years and planned for current construction

AFTER FIVE YEARS' INTERRUPTION by wartime censorship, **POWER** here resumes publication of engineering data on steam, internal-combustion and hydro power plants. The following pages tabulate technical highlights of typical plants installed in the war years and planned for current construction. In these cold and formal figures is the record of a stirring achievement—the provision of power for a war-production effort such as the world has never known and for peaceful operation that holds the hope of the future.

A brief review of the war period serves as an object lesson in skillful planning by government and by an industry long used to foresighted preparation. In 1939, our national power plant had a total capacity just under 50 million kw—38.8 million in utility plants and 10.6 million in industrials. It generated, that year, 161.3 billion kwhr, of which utilities accounted for 79.1% and industry 20.9%. Industry used 79 billion kwhr, purchasing 61.7% and generating 38.3%.

At the end of 1944, national power capacity had grown to 81 million kw, 49.2 million in central stations and 12.9 in industry. This war-expanded power plant generated 279.5 billion kwhr in 1944, 81.6% coming from utilities and 18.4% from industry's plants. Industrial use grew to 158.8 billion kwhr in 1944, with 70.3% purchased from central stations and 29.7% privately generated. And in 1945, total industrial use reached close to 162 billion kwhr, more than total national generation in 1939 and more than twice entire industrial use in the prewar year.

This tremendous increase in "fighting" kilowatthours, more than 100%, came from a national power plant that grew only 5%, a result of careful planning that made maximum use of existing facilities and thus made available to the Navy and merchant marine the lion's share of the production of new boilers, turbines and auxiliary power equipment.

In this coordinated program, central stations absorbed the major share of increased power demand. Thus, while rela-

tive generating capacity of utility and industrial plants remained virtually unchanged from 1939 through 1944, the proportion of energy purchased by industry increased considerably in relation to the amount privately generated.

Added load on central stations resulting from this program would have required a capacity increase of about 34 million kw had kilowatthours output per kilowatt of capacity remained the same as in 1939. That the job was done with an actual increase of only 10 million kw can be credited to (1) high-load-factor "around-the-clock" industrial operation that accounted for about 12.5 million kw of capacity "saved" (2) slashing margins of reserve capacity from 14 to 9 million kw for a saving of 5 million (3) cutting line losses from 18 to 8% for a further saving of close to 4 million kw (4) reduction of about 1.5 million kw in peak loads by operation of wartime and (5) a saving of 1.25 million kw through "pooling."

Facilities for manufacturing power equipment operated at a record rate of about 12 million kw per year for the four war years. Of the approximately 50 million kw of equipment built, only 10 million went to central stations and 2 million to industry, leaving 30 million for the Navy and more than 7.5 million for the merchant marine—the fruit of realistic planning and wholehearted cooperation by power engineers.

We thus enter the postwar period with a national power plant adequate to immediate demands but carrying no excess fat. As reconversion reverses many of the wartime trends, the power industry faces a necessary building program equal to or greater than any of prewar years. This added capacity will be needed to meet expected increased peak loads, to restore margins of reserve to more conservative figures, and to increase over-all efficiency by permitting retirement of obsolete equipment. As the art of power-plant design follows its evolutionary pattern we can expect the plants of the immediate future to display many of the trends discernible in the plant-by-plant survey appearing on the following pages.

JUNE, 1946

POWER

P. W. SWAIN, EDITOR

301 TO 399 PSI

Company	Location	Consulting Engineers	Year Installed	Capacity (gpm)	Capacity (bbl/day)	Capacity (MGD)	Pressure (PSI)	Flow (GPM)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)
N. Y., N. H. & Hartford RR.	Cos Cob, Conn.	Gibbs & Hull	1944	375	600	1	180	RS	3.8	12.2	8.2	28.7	11
American Enka Corp.	Enka, N. C.	United Engrs.	1944	350	725	1	105	BW	9.1	6.9	21.6	17	17
Colo. Fuel & Iron Corp.	Pueblo, Colo.	A. M. Kinney	1944	330	750	1	150	RS	4.5	14.9	13.0	16.8	11
Emery Industries Inc.	Cincinnati, Ohio	United Engrs.	1944	300	650	3	100	BW	6.5	5.5	3.3	25.7	11
Republic Steel Corp.	Chicago, Ill.	Gruenwald & Niemitz	1944	300	650	3	100	BW	7.8	5.7	5.3	25.7	11
St. Regis Paper Co.	Trenton, N. J.		1944	300	650	3	100	Vo	0.9	11.6			7
Savannah Sugar Ref. Corp.	Port Wentworth, Ga.		1944	300	600	1	60	RS	2.0	5.8	2.9	24.8	7
Owens-Corning Fibreglas.	Newark, Ohio		1946	270	600	1	40	RS	1.8	3.3	3.0		7
Amalgamated Sugar Co.	Nampa, Idaho	A. J. Forbes	1942	250	385	2	85	BW		13.1			7
American Molasses Co.	Brooklyn, N. Y.	J. G. White	12-45	250	385	1	80	BW		9.7		22.8	7
Atlantic Seaport Cork	Boldman, Ky.		1946	250	300	1	90	BW					7
Atlas Powder	Newcastle, Del.		1946	250	300	2	30	EM	0.4	4.6		30.0	7
Cudahy Bros Co.	Cudahy, Wis.	B. Bugbe	1946	250	300	2	25	WT					7
Diamond Wire & Cable Co.	Chicago Hts., Ill.		1946	250	300	1	35	EM					7
Gleason Works	Rochester, N. Y.	Beman & Candee	10-43	250	300	3	25	BW					7
Glenlyon Print Works	Phillipsdale, R. I.	Westcott & Mapes	11-46	250	300	1	60	RS	3.1	5.8	4.3	17.6	7
Goodyear Tire & Rubber Co.	Gadsden, Ala.		1946	250	300	2	60	BW	1.2	5.9			7
Lake Placid Club Co.	Lake Placid, N. Y.	Riley Corp.	1946	250	300	1	30	RS	0.7	2.4	1.05		7
Matheson Alkali Works	Lake Charles, La.		1944	250	300	1	260	BW		25.0			7
Pittsburgh Coke & Chem Co.	Neville Island, Pa.		1944	250	300	2	75	CE		10.4			7
Servel, Inc.	Evansville, Ind.		1943	250	300	1	30	BW	0.5	6.8			7
Winslow Bros & Smith	Norwood, Mass.		12-42	250	300	1	30	CE		5.7			7
Worcester Cold Storage	Worcester, Mass.		1946	250	300	2	23	CE	0	3.6	1.12		7
Raybestos-Manhattan	Manheim, Pa.		1946	240	400	1	46	EM	0.3	6.7	1.7		7
General Electric Co.	Syracuse, N. Y.		12-42	235	436	3	60	RS	1.8	6.6			7
Boston Gas Co.	Everett, Mass.		12-43	230	300	2	62.5	BW	1.25	6.7	3.2	28.0	7
Atlas Powder Co.	Stamford, Conn.		1946	225	300	1	60	CE	1.3	7.4			7
Bath Iron Works Corp.	Bath, Me.		1946	225	300	2	30	BW					7
Cons. Citrus Products	Tampa, Fla.	N. C. Ebaugh	1946	225	390	1	28	BW	0.7	3.0			7
Cons. Vulcan Aircraft	Ft. Worth, Texas	Austin Co.	1942	225	300	4	100	RS	2.1				7
Conier Co.	Kohler, Wis.		1946	225	397	1	100	WT	1.1	9.7	3.8	38.8	7
Lake Shore Tire & Rubber Co.	Des Moines, Ia.	E. Patera	1946	225	396	2	15	BW		4.3	1.1	24.3	7
Ware Shoals Mfg. Co.	Ware Shoals, S. C.	J. E. Sirmine	12-42	225	520	1	80	BW		8.9			7
Foster Wheeler Corp.	Danville, N. Y.		12-43	220	441	2	50	FW	1.3	3.6	2.2	23.0	7
Standard Oil Co. of N. J.	Haton Rouge, La.	E. B. Badger	1943	220	320	5	150	RS	2.7	14.9	7.4	29.2	7
West Va. Coal & Coke	Chauncey, W. Va.		1943	210		1	75	EC	1.07	11.2	4.6		7

TESTING BOILERS*

Kieley & Mueller, Inc.	North Bergen, N. J.		1943	2000	900	1	1.5	BS		0.0861	0.004	730	
Joshua Hendy Iron Wks.	Sunnyvale, Calif.		1943	1500	900	1	15	BS		0.5671	0.018	1260	
Westinghouse Electric Corp.	Emeryville, Calif.		1943	2000	900	1	1.5	BS		0.0861	0.004	730	

CANADA 500 PSI AND ABOVE

Marathon Paper Mills Co.	Marathon, Ont.	Stone & Webster	1946	675	715	2	125	CE					
Bathurst Pwr. & Paper Co.	Bathurst, N. B.		1946	675	715	2	65	BW					
Alliance Paper Mills	Merritt, Ont.		1946	640	730	1	175	BWG	5.3	19.5		15.7	
Fraser Co., Ltd.	Edmundston, N. B.	H. G. Acres	1946	620	760	1	75	CE	1.6	6.98		27.1	
Onapexia Sulphite, Ltd.	Chandler, Que.		1946	600	700	2	100	CE	1.77	9.0		33.6	
Dominion Steel & Coal Corp.	Sydney, N. S.		1941	600	710	3	65	CE	1.76	7.0		22.3	
				500	750	1	185	BWG	2.6	14.6	10.4	21.5	

100 TO 499 PSI

Atlantic Sugar Ref. Ltd.	St. John, N. B.	H. G. Acres	1946	450	600	2	60	BWG	1.6	6.8	2.7	28.7	
Dominion Oilecloth & Linoleum Co.	Montreal, Que.		1944	450		1	60	BWG		6.41	3.6	13.3	
Imperial Oil Ltd.	Montreal East, Que.		1946	450	650	1	50	BWG		3.2	1.9	29.3	
Shell Oil Co. of Canada	Montreal East, Que.		12-43	450	601	1	75	FW	2.2	6.3	4.2		
Polymer Corp., Ltd.	Sarnia, Ont.	H. G. Acres		430	650	5	308	BWG	8.9	19.2	25.7	14.5	

301 TO 399 PSI

Barrett Co., Ltd.	Joliette, Que.	Atwoods, Ltd.	1946	250	300	1	40	DBR		5.4			
B. F. Goodrich Rubber Co.	Kitchener, Ont.		1946	250	378	1	36	FW	1.3	3.7	1.9	21.4	
Canadian Industries, Ltd.	Kitchener, Ont.		1946	250	406	3	17	VK	0.5	2.7	0.5		
Granby Cons. M. S. & Pwr.	Princeton, B. C.	A. R. Yall	1946	250	600	2	80	CE	2.0	8.2		24.3	
Mane-MacLaren, Ltd.	Masson, Que.	H. S. Ferguson	1941	250	300	2	90	CE	2.6	9.6	11.6	18.7	
Maritime Industries, Ltd.	Napapan, N. S.	H. G. Acres	1946	250	350	3	15	DBR		2.5			
Mors, Ltd.	Halifax, N. S.	Montreal Engr.	1943	250	300	1	12	FW	0.4	1.2	0.46	35.5	
Northern Elec. Co., Ltd.	Montreal, Que.		1943	250	406	3	35	BWG		1.0	0.32		
Quebec Sugar Ref. Co.	St. Helare, Que.	F. Burnham	12-41	250	406	3	40	FW	0.9	6.4	2.3		
Eastern Can. Co., Ltd.	Framton, N. S.		1942	234	600	1	65	CE	1.9	7.7	5.5		
Firestone Tire & Rubber Co.	Hamilton, Ont.		1942	225	300	2	30	BW		3.9	1.0		
Maple Leaf Milling Co.	Port Colborne, Ont.	MacDonald Engrg.	1943	210		2	15	BWG		2.5			

Typical Municipal Plants Installed on

UNITED STATES

City of Glendale	Glendale, Calif.	City of Hentze	1947	600	825	1	200	CE	2.39	12.43	7.15	34.4	
City of Springfield	Springfield, Minn.	Clas Foster	1946	480	750	1	55	WB		4.79		25.2	
City Water & Light Dept.	Dyersburg, Tenn.		1946	450	700	1	90	BW	0.58	9.87			
McPherson Water & Elec. Dept.	McPherson, Kansas	Larimore & Douglas	1946	450	750	1	100	RS	1.63	5.15		25.0	
Municipal Utilities	Marshall, Mo.	Henrice Lowery	1942	450	750	1	24	CE					
		Henrice Lowery	1942	450	750	1	40	CE					
		Black & Veatch	1942	450	750	1	60	CE	1.94	6.40	3.62	20.6	
		R. D. Thomas	1942	450	750	1	70	UT	9.78	7.65	4.25		
Public Utilities Comm.	New Lim, Minn.		1946	450		2	150	CL, BW					
Pom. Lee Lt. & Water Depts.	Orin, Ind.		1946	450	730	1	45	BW	0.75	6.40	2.50	27.7	
Richland Center Mun. Util.	Richland Center, Wis.	R. D. Thomas & Asso.	1946	425	750	1	60	RS	0.64	7.74	3.60	24.5	
Public Service Commission	Yazoo City, Miss.	J. B. Williams	1946	415	750	1	80	BW	1.30	8.34	4.09		
City of Monroe	Monroe, La.	Burns & McDonnell	1946	400	725	1	110	BW	1.17	12.29			
City of Evansport	Evansport, Ind.	Emery & Emery	1946	400	750	1	70	BW		7.33		35.0	
City of Gainesville	Gainesville, Fla.	Robert & Co.	1943	400	750	2	50	BW	1.11	5.45			
City of Martins Ferry, Ohio	Martins Ferry, Ohio	Robert & Co.	1943	400	750	2	50	BW	1.11	5.45			
City of Mount Pleasant	Mount Pleasant, Ohio	J. M. Hoover	1946	400	700	1	40	Vo	0.41	4.78			
City of Thomasville	Thomasville, Ga.		1946	400	725	1	50	BW		6.44		27.0	

CANADA

City of Regina	Regina, Sask.		1942	450	525	1	180	FW	3.20	9.02	6.36	21.0	
City of Edmonton	Edmonton, Alberta		1942	415	750	1	155	BWG	1.68	21.78	7.10	35.4	
City of the City of Medicine Hat	Medicine Hat, Alb.		1942	275	550	1	70	FW	1.32	7.34	3.58	31.2	
City of Regina	Regina, N. S.		1942	180	540	1	30	BWG		5.24			

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Compiled by J. C. McCabe

Assistant Editor

Company

Location

Consulting Engineers

First Operation,
Year Units

Nominal Pressure, psi

Nominal Steam
Temperature, °F

Number

Capacity, tons
per hr. per sq. ft.Capacity, tons
per hr. per sq. ft.Capacity, tons
per hr. per sq. ft.Capacity, tons
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700 PSI AND ABOVE

Utah Copper Co.	Magna, Utah	E J Franklin	950	900	2	350	BW	5.5	12.7	16.4	9	49.3
Wyandotte Chemical Corp.	Wyandotte, Mich.	Burns & Roe.	925	870	1	200	BW	16.71	9.9	24.3	25.0	12.24
Firestone Tire & Rubber Co.	Memphis, Tenn.		900	725	1	125	BW	1.6	12.4	5.55	29.0	
Pittsburgh Plate Glass Co.	New Martinsville, W. Va.		7-43	850	750	3	150	BW	2.4	15.0	8.6	22.9 92 12.1
Socony-Vacuum Oil Co.	Paulsboro, N. J.		4-44	850	750	4	125	CE	2.27	10.5	6.9	24.3 17.9
Weirton Steel Co.	Weirton, W. Va.		1-47	850	800	1	325	BW		20.5	16.8	49.5
Cities Service Refining Corp.	Lake Charles, La.	Gibbs & Hill.	3-44	825	825	2	325	BW		21.3	14.6	34.3
Sinclair Rubber, Inc.	Houston, Texas		10-43	750	750	6	300	CE	3.2	17.7	11.1	39.0 36.9
Dairyland Power Co-op.	Genoa, Wis.			700	850	2	50	RS	2.0	4.5	2.75	23.4 8.2
Military Chemical Wks. Inc.	Pittsburgh, Kan.	Chem Constr. Co.	1-43	700	700	5	200	RS	5.9	13.1	10.0	21.0 22.5
Monsanto Chemical Co.	Springfield, Mass.	C T Main	4-42	700	750	1	80	FW		7.91		2.3

500 TO 699 PSI

Standard Oil Co. of N. J.	Landen, N. J.		4-46	685	740	1	300	RS	3.9	21.0	21.3	20.8	50.0
Hammermill Paper Co.	Erle, Pa.	C T Main	10-46	675	750	2	150	CE	2.9	12.9	8.9	23.0	20.0
R J Reynolds Tobacco Co.	Winston-Salem, N. C.	J E Strrine & Co.	12-46	675	750	1	200	CE	4.5	15.4		18.7	
Celanese Corp. of Am.	Newark, N. J.		9-45	650	650	1	60	CE					12.0
Port Paper Co.	Cincinnati, Ohio	W I Barrows	8-43	650	650	1	65	BW		6.7		24.1	10.0
Industrial Rayon Corp.	Painesville, Ohio		8-44	650	750	1	90	CE	2.6	9.2			16.0
			6-42	650	750	1	125	RS	6.1	8.5	8.1	22.3	16.0
			1943	650	750	2	175	FW	3.2	18.5	12.6	20.0	18.0
			1945	650	750	1	175	BW	12.5	15.8	17.5	15.0	21.0
			1946	650	750	3	250	BW	3.5	17.8	12.2	25.0	8.0
Shell Oil Co.	Deer Park, Texas		12-45	650	663	1	100	BW	4.0	8.9	6.4		
C. S. Sugar Corp.	Clewiston, Fla.	Rust Engrs.											
General Aniline & Film Corp.	Binghamton, N. Y.	Baker & Spencer	8-46	625	755	3	40	CE	1.3	5.5	2.6	24.0	1.8
Utah Oil Refining Co.	Salt Lake City, Utah	Sargent & Lundy	2-44	625	750	4	70	BW					22.0
Humble Oil & Refining Co.	Baytown, Texas		1943	620	745	2	275	CE	1.6	19.3	12.0	35.0	22.0
			1946	620	745	1	275	CE	1.6	19.3	12.0	35.0	22.0
St. Joe Paper Co.	Port St. Joe, Fla.	G F Hardy		615	715	1	100	CE					20.0
Southland Paper Mills, Inc.	Lufkin, Texas	G F Hardy	7-47	610	750	2	175	CE	2.5	14.3		29.9	11.0
Bryant Paper Co.	Kalamazoo, Mich.		1-47	600	750	2	80	RS	3.9	7.3	4.6	21.5	
Carbide & Carbon Chem Corp.	Texas City, Texas	Ford, Bacon & Davis	5-43	600	700	1	134	BW		12.0	5.3		17.0
			5-42	600	800	1	150	RS	4.9	10.6	8.8	22.7	2.0
Celanese Corp. of Am.	Narrows, Va.		11-46	600	800	1	200	RS	7.2	14.7	13.0	20.6	2.2
De Laval Steam Turbine Co.	Trenton, N. J.		1943	600	850	1	75	RS	2.5	2.5	3.8	23.4	0.79
Detroit Sulphate Pulp & Paper	Detroit, Mich.	Gibbs & Hill		600	740	2	90	BW	0.66	10.2	4.8		
Lederle Laboratories	Pearl River, N. Y.		9-46	600	750	1	80	RS	1.9	9.9	5.25		11.0
Richfield Oil Corp.	Wilmington, Calif.	R Johnson	6-44	600	625	2	250	CE	3.2	17.5	11.4	32.0	3.5
Sherwin Williams Co.	Chicago, Ill.	Schmidt, Garden & Erickson	2-47	600	750	3	75	EM	1.8	7.8		26.4	0
The Texas Co.	Lockport, Ill.			600		9	70	FW		8.71	3.2	27.5	34
U. S. Engineers	Pryor, Okla.	E T Du Pont	7-42	600	700	6	170	CE	3.5	10.0		18.0	15
Gulf Oil Corp.	Port Arthur, Texas		1-43	550	630	1	250	BW	2.8	16.7	11.5	28.4	15
			6-44	550	630	1	250	BW	2.8	16.7	11.5	28.4	

400 TO 499 PSI

Atmos. Board Co.	Wilmington, N. C.		11-44	475	740	1	100	RS	6.05	9.6	9.0	15.8	17
Gulf States Paper Corp.	Tuscaloosa, Ala.		4-46	475	650	1	100	BW					
Lee Rubber & Tire Corp.	Conshohocken, Pa.		10-43	475	700	2	40	RS	1.6	5.7	2.8	24.8	15
Federal Paper Board Co.	Bogota, N. J.	K A Letren	1946	465	700	1	70	BW	0.2	7.7	2.8	34.0	19
Berst-Forster-Dixie	Philadelphia, Pa.	H F Hallock	8-46	460	940	1	30	BW	0	4.9			
General Aniline & Film Corp.	Grassell, N. J.		3-44	460	700	1	70	BW	1.5	7.2	4.5	22.0	
Bakelite Corp.	Bound Brook, N. J.	Francisco, Jacobus	11-46	450		1	125	BW	0.7	15.9	5.3	29.8	16
Clinton Industries, Inc.	Clinton, Iowa	Sargent & Lundy	4-46	450	550	2	100	BW	1.1	10.8	4.2	32.0	
Congleum Nairn Corp.	Maricus Hook, Pa.		12-46	450	485	2	75	BW		8.5	2.9	26.2	
Hercules Powder Co.	Bradford, Va.	N G Haag	3-43	450	750	1	175	CE	2.9	14.1		26.5	61
Keystone Steel & Wire Co.	Bartonsville, Ill.		9-46	450	750	1	150	CE	2.3	12.0			
Minnesota, Ontario Paper Co.	Int'l Falls, Minn.		3-42	450	580	1	35	CE	2.5	8.3	4.5		
Publicker Industries	Philadelphia, Pa.	United Engrs	1945	450	750	6	100	RS	2.6	9.4	6.4	18.5	26
Alphubine Rubber Co.	Youngstown, Ohio	R R Jones	1945	450	650	1	65	BW		7.2			
Wauwaton Co. Inc.	Keweenaw, Ill.		5-45	450		1	60	EM	1.1	6.3	3.4	28.0	
Blandin Paper Co.	Grand Rapids, Minn.	Heinick, Ldeskuty & Lutz	2-42	425	650	1	100	BW		11.01	5.6	24.1	
Calvert Distilling Co.	Relay, Md.	Smith, Hinchman & Grylls	9-46	425	600	1	75	BW	1.9	19.2		17.5	
Magnolia Petroleum Co.	Chisholm, Texas		2-43	425	675	2	175	CE	2.4	12.9		35.0	
Omenia Ltd.	Sherrill, N. Y.		3-46	425		1	70	BW		7.0	1.7	43.0	
Pittsburgh Steel Co.	Monessen, Pa.	Freyh Engrs		425	700	2	175	CE	4.2	19.3		20.8	
Joseph E. Seagram & Sons	Lawrenceburg, Ind.	Smith, Hinchman & Grylls	5-46	425	540	1	125	CE	3.7	11.6	9.1	18.0	
Socony-Vacuum Oil Co.	St. Louis, Ill.		1943	425		2	80	Vo					
Paraline Co. Inc.	Emeryville, Calif.	L S Rosener	1-47	420	650	1	100	BW					
Union Bag & Paper Corp.	Swannanoa, Ga.	Rust Engrs	9-45	420	750	1	200	BW					
American Viscose Corp.	Front Royal, Va.	F Mayne	1945	415	750	1	225	CE	3.6	11.7		27.5	
Holly Sugar Corp.	Colorado Springs, Colo.		1947	410	575	1	180	RS	2.6	16.7	7.8	26.5	
Naval Department	Bremerton, Wash.		9-45	405	705	1	75	EM	1.4	9.0	3.5	25.6	7.6
U. S. Naval Gun Factory	Washington, D. C.	H A Kuljian	1-42	405	700	1	120	EM	2.0	10.0	4.1	40.0	7.6
Aluminum Ore Co.	Rosiclare, Ill.	W S Steels	1-43	405	700	1	120	EM	2.0	10.0	4.1	40.0	
Champion Ind. Co.	Lawrence, Miss.	C T Main	12-42	400	750	1	40	BW		5.1	1.6	32.3	
			1-47	400	600	1	70	RS	2.6	6.7	3.7	24.8	
Franklin Board & Paper Co.	Franklin, Ohio		1-46	400	600	1	55	BW	0.3	7.4	1.9	35.0	1.9
Waver Co. Inc.	Fontana, Calif.			400	700	1	105	BW		7.3	3.1	31.9	
National Lead Co.	Savannah, N. J.	J G White	7-46	400	657	2	165	BW		12.0	6.0	31.9	
Ponobscott Chem Fibre Corp.	Great Works, Me.	H S Ferguson	1946	400	750	1	200	RS	5.3	12.5	10.5	25.5	
Rocky Mountain Arsenal	Lafayette, Colo.	Whitman, Requaardt & Smith	1943	400	700	2	115	BW	1.4	10.9	5.5		
Song Paper Co.	Middletown, Ohio	J E Strrine	1946	400	700	1	120	BW					

A - Aluminum

AC - Aluminum chloride

Ad - Admiralty

BB - Brown Boveri

B - Babcock & Wilcox

C - Coal, bituminous

CA - Coal, anthracite

CB - Coke breeze

CC - Coal, coke

CD - Coal, coke

CE - Coal, coke

CF - Coal, coke

CG - Coal, coke

CH - Coal, coke

CI - Coal, coke

CJ - Coal, coke

CK - Coal, coke

CL - Coal, coke

CM - Coal, coke

CN - Coal, coke

CO - Coal, coke

CP - Coal, coke

CQ - Coal, coke

CR - Coal, coke

CS - Coal, coke

CT - Coal, coke

CU - Coal, coke

CV - Coal, coke

CW - Coal, coke

CX - Coal, coke

CY - Coal, coke

CZ - Coal, coke

D - Duplex

E - Erie City Iron Works

F - Elliott Co.

G - General

H - Hard-drawn brass

Hy - Hydraulic coupling

L - Lignite



FAN		FAN		PUMP		PUMP		TURBINE		CONDENSER		CONDENSER	
HP	Model	HP	Model	HP	Model	HP	Model	HP	Model	HP	Model	HP	Model
40.3	Tu M	V	M	Ha V	P	C	12.8	3M. T	50	3600	GE	5	H 50
25.0	Tu M	V	M	Ha	P	C	13.1	M	6.0	3600	AC	245	0
12.24	Tu M	Da	M	Da	G	G	0.98	T	10.0	1800	GE	0.75	0
12.1	Tu T	S	F	S	UF(400	C	12.4	T	15.0	3600	WE	190.0	0
17.9	Re T	S, Da	F	S, Da	O, G	O, G		F	1.5	3600	WE	45.0	0
49.5	Tu T	S, V	M	S, V	G	G	1.03	T	3.0	3600	GE	205	1
34.3	Tu M	Da	M	Da	G	G	1.08	T	25.0	3600	WE		
30.9	Re T	S, Da	M	S, Da	G	G		T	50.0	3600	GE	0.75	1
8.2	Tu M	S, Da	M	S, Da	P	C		M, T	35.0	3600	GE	1.80	1
22.5	Tu M	S, Da	M	S, Da	P	C	11.0-12.0	2M, T	4.0	3600	MS	1.0	3
2.9	Tu 2M	V	F		P	C	14.0	M, T	20.0	3600	MS	1.0	1
50.0	Tu T	S, V	F	S, Da	O, G	O, G	12.9	1M, 1T	7.5	3600	GE	1.0	2
20.0	Re M	V	M	Da	P	C	14.0	T					
	Tu M	Da	M	Da	P	C	14.0	1M, 1T					
	Tu M	Da	M	Da	P	C	13.5	2403					
12.0	Pl M	Da	M	Da	P	C	12.3	M					
10.6	Tu T	S, Da	T	S, Da	P, O, G	C	12.3	1M, 3T					
16.5	Tu T	S, Da	T	S, Da	P, O, G	C	12.3	1M, 1T	15.0	3600	GE	195	0
17.3	Tu T	S, Da	T	S, Da	P, O, G	C	12.3	1M, 3T					
18.0	Re T	S, Da	T	S, Da	G, O	C	18.0	2M, 3T	20.0	3600	AC	215	0
21.8	Tu M	S, Da	M	S, Da	O, G	O	18.3	1M, 1T	3.5	3600	GE	0.5	1
0	M	V	M	Da	TG(200	Ca	10.8	M	6.6	3600	MS	1.25	1
25.0	Re T	S, Da	T	S, Da	G	G	1.25	2T	7.5	3600	GE	170	
22.9	Tu M	S, V, Hy	T	S, Da	G	G	1.25	DD					
20.1	Tu M	S, Da	T	S, Da	G	G	1.03	2M, 1T	12.0	3600	GE	15.0	2
11.0	Tu T	S, Da	T	S, Da	G	G	1.03	1M, 1T	10.0	3600	GE	1.5	2
	Tu T	S, Da	T	S, Da	P	C	11.5	2M, T	5.0	3600	GE	1.0	2
17.2	Re M	V	M	V	P	C	14.0	1M, 2T	4.3	3600	GE	70	
23.8	Re M	V	M	V	P	C	14.0	1M, 2T	7.0	3600	GE	1.5	2
7.0	Tu M, T	S, Da	M, T	S, Da	UF(219.5)	C	14.0	T	1.25	5680	DL	1.5	1
4.4	Tu T	S, Da	M	S, Da	UF(255)	C	12.8	2M, 1T	4.0	3600	AC	1.04	1
	Tu M, T	V	T	S, V	SS, O	C, Ca, O	18.5	1M, 1T					
	Pl T	S, Da	T	S, Da	O, G	U	10.4	T					
	T	S	T	S	UF(308)	CB	1.65	1M, 2T					
4.3	Tu T	S, V	T	S, V	G, O	G	11.0	M, T	10.0	3600	GE	2.5	2
15.8	Tu M	Da	M	Da	G	G	1.05	T	10.0	3600	GE	50.0	2
15.8	Tu T	Da	T	Da	G	G	1.05	T	10.0	3600	AC	145	0
17.0	Tu M	V	M	Da	P	C	10.0	T	1.5	3600	WE	1.0	2
2.8	Tu M	Da	M	Da	BL	BL	14.5	1M, 1T	9.0	3600	WE	47.0	2
4.2	Pl M	Da	M	Da	P	C	11.2	1M, 1T	7.5	3600	WE	40.0	1
0	Tu M	S, Da	M	Da	TG(318)	Ca	14.2	1M, 1T	1.0	3600	GE	165	
9.9	Tu M	Ma	M	Ma	P	C	13.4	T					
7.5	Tu M, T	V	M, T	S, Hy	UF(302)	C	12.9	M, T					
	Tu M	Da	M	Da	SS(207)	C	10.1	T	3.5	3600	AC	165	0
	Tu M	Da	M	Da	P	C	13.5	M, 2Du					
19.6	Tu M, T	V	M, T	V	P	C	13.0	Du	6.0	3600	AC	1.25	1
7.4	Tu M	Da	M	Da	SS(440)	C	9.95	1M, 1T	7.5	3600	GE	0.75	2
9.0	Tu M	Da	M	Da	P	C	14.2	M					
	T	Da	T	S	TG(180	C	13.0	1M, 1T	2.25	3600	GE	4.0	1
9.9	Tu M	Da, Ma	M, T	Da, Ma	SS(145)	C	13.5	T	4.0	3600	AC	1.0	2
4.8	Re M	Da	M	Da	P	C	10.5	M, T					
12.9	Re T	Da	T	Da	G	G	13.8	1M, 1T	7.5	3600	GE	0.75	2
28.6	Re M	Da	T	Da	SS(129)	C	14.3	T					
15.1	Re T	Da	T	Da	P	C	12.5	T					
30.5	Tu M	Da	M	Da	P	C	11.0	1M, 1T					
	Tu M	S	M	S	O, G	O, G		1M, 1T					
25.7	Tu M, T	V	M, T	V, Da	G	G	1.03	T	7.5	3600	GE	1.0	2
	Tu M	Da	M	Da	P	C	13.2	1M, 1T	7.5	3600	GE	40.0	2
	Tu M	S, V	M	S, V	O	C	18.5	2M, 1T	3	3600	GE	64.7	0
9.4	Tu M	V	M	V	O	C	18.5	1M, 1T					
0	T	S, V	M	S, V	UF(293)	C	14.0	1M, 1T					
0	T	S, V	M	S, V	UF(295)	C	14.0	1M, 1T					
6.0	Tu M	S, V	M	S, V	TG(137)	C	10.6	1M, 1T	1.67	3600	EL	5.0	0
	Tu M	S, V	M	S, V	P	C	13.6	M, T					
11.6	Tu M	V	M	Da	TG(145)	C	12.5	T					
11.7	Tu M, T	S, Da	M, T	S, Da	O, G	O, G		T					
27.5	Tu M	S, Da	M	S, Da	O, G	O, G		T					
29.0	Tu M	V	M	V	P	C	13.4	M	5.0	3600	WE	1.25	2
	Pl M	Da	M	Da	SS(297)	C	14.8	1M, 1T	3.5	3600	GE	165.0	0
	Tu M	Da	M	Da	P	C	9.6	M	7.5	3600	WE	1.0	2
	M		M	Ma	P	C	12.5	M					

Dry Steam Turbine Dry
 Motor per fan drive
 Motor, one turbine per fan
 Single metal
 Submerged fuel firing
 Waste water
 Regulator

Riley Stoker Corp.
 Speed control
 Simplex
 Spreader stoker
 Slag tap
 Turbine drive
 Terry Steam Turbine Co.
 Traveling-grate stoker

Tubular
 Underfed stoker
 Union Iron Works
 Vane control
 Vickers Keeler Boiler Co.
 Henry Vogt Machine Co.
 Westinghouse Electric Corp.
 Wickes Boiler Co.

Stoker grate area, sq. ft.
 Includes water wall
 Continuous ash discharge
 Both fans on one shaft
 Subbituminous
 1000 Btu per 1000 cu ft.
 High-pressure boilers for testing
 purposes

200 PSI

Atlas Powder Co.	Stamford, Conn.	8-46	200	490	1	60	CE	TG (240)										60
Dewey Portland Cement Co.	Davenport, Iowa		200	480	4	30	EM	C	4.5	1800	GE							140
Exchange Orange Prod Co.	Ontario, Calif.		200	388	1	33	BW	O										33
General Electric Co.	Tiffin, Ohio	6-46	200	Sat	2	20	BW	SS (63)										40
Hinde & Dauch Co.	Cleveland, Ohio	7-46	200		1	18	BW	O										18
Hinde & Dauch Co.	Buffalo, N. Y.		200		1	18	BW	O										18
Hinde & Dauch Co.	Watertown, Mass.		200		1	18	BW	O										18
Neosho Valley Cooperative	Erie, Kan.	3-46	200		1	25	BW	CA, O										25
N. Y. & Richmond Gas Co.	Staten Island, N. Y.	11-45	200	450	1	13	BW	UF (85)										
Northwest Paper Co.	Brainerd, Minn.	10-45	200	Sat	1	60	CE	SS (129)										110
Pasco Packing Assn.	Dade City, Fla.	3-45	200	Sat	1	00	BW	O										180
Plainfield Union Water Co.	Plainfield, N. J.	5-46	200	388	1	19	BW	UF (63)										34
Todd Shipyards, Inc.	San Pedro, Calif.	2-46	200	Sat	4	5.5	OW	O										16

160 TO 199 PSI

Lake City Ordnance Plant	Independence, Mo.	10-41	190	Sat	3	75	BW	O, G										225
General Electric Co.	Danville, Ill.	6-46	185	Sat	2	15	BW	G										30
J. D. Grover & Sons, Co.	Philadelphia, Pa.	8-46	185	382	1	25	EM	O										50
Eastman Kodak Co.	Rochester, N. Y.	9-41	175	378	3	75	RS	C, O										250
Frontier Refining Co.	Cheyenne, Wyo.	9-41	175	378	1	25	RS	C, O										100
General Electric Co.	Fort Edward, N. Y.	1941	175	490	2	30	BW	UF (90)										30
Norfolk Shipbuilding Corp.	Norfolk, Va.	1941	175		2	15	BW	O										24
Abbott Laboratories	North Chicago, Ill.	11-45	175	377	1	20	RS	UF (59)										25.5
Chambers Mfg. Co.	Springfield, Ill.	3-42	175		2	15.5	CE	SS (38)										31
Chambers Mfg. Co.	West Plains, Wis.	1944	160	370	1	40	EM	C										101
Continental Distilling Corp.	Philadelphia, Pa.	4-45	160	420	2	60	RS	C										120
Continental Distilling Corp.	Philadelphia, Pa.		160	470	3	150	RS	P	7.4	3600	AC	0.75	0					672
Continental Distilling Corp.	Philadelphia, Pa.		160	500	2	125	RS	O, G										19.4
Continental Distilling Corp.	Philadelphia, Pa.		160	500	2	80	BW	O										1936
Continental Distilling Corp.	Philadelphia, Pa.		160	500	3	13.6	CE	WG										33
Continental Distilling Corp.	Philadelphia, Pa.	1944	160	Sat	2	75	CE	UF (236)										300
Int'l Bus Machines Corp.	Endicott, N. Y.	11-44	160	360	1	80	BW	UF (204)	1.3	1320	MS	2.0	1					160
Northern Pacific Rwy Co.	Livingston, Mont.	8-45	160	364	2	35	BW	SS (184)										130
Peoples Natural Gas	Brave, Pa.	7-46	160	385	1	65	RS	TG (215)										130
Peoples Natural Gas	Brave, Pa.	7-46	160	420	3	80	BW	P	2	3600	EL	1.25	0					240
Seattle Gas Co.	Seattle, Wash.	7-46	160	Sat	2	100	RS	P, O										1260
Seattle Gas Co.	Seattle, Wash.	7-46	160	Sat	2	50	BW	O										100
Skelly Oil Co.	Eldorado, Kan.		160	500	3	65	VO	O										
Southern Calif. Gas Co.	Los Angeles, Calif.	8-43	160	Sat	3	70	BW	O	0.1	3600	GE	15.0	0					295
Spokane, Portland & Seattle Rwy.	Portland, Ore.	10-43	160	370	3	110	RS	P										330
Spokane, Portland & Seattle Rwy.	Portland, Ore.	5-46	160	370	2	7.5	BW	O										15

150 PSI AND BELOW

Allis-Chalmers Mfg. Co.	Norwood, Ohio	12-41	150	365	1	40	BW	P										
Baldwin Locomotive Wks.	Burnham, Pa.	10-43	150	500	2	90	BW	P										360
Carstens Packing Co.	Spokane, Wash.		150	324	2	6	CE	SS										
Carstens Packing Co.	Spokane, Wash.	4-46	150	Sat	2	6	BW	O	1.25	3600	WE	5	1					159
Edouard Pont de Nemours	Arlington, N. J.		150	366	1	50	BW	P										
Edouard Pont de Nemours	Arlington, N. J.	3-45	150		1	25	RS	UF (75)										41
General Motors Corp.	Wilmington, Del.	5-46	150	366	1	15	RS	O										25
G. M. C. Frigidaire	Moraine City, Ohio	7-46	150	366	3	60	BW	O										180
Hooker Electrochemical Co.	Niagara Falls, N. Y.	10-40	150	Sat	1	00	BW	P										428
Knowlton Bros.	Watertown, N. Y.	1-44	150	366	1	50	EC	P										200
Miami Valley Coated Paper	Franklin, Ohio	1-46	150	366	1	25	BW	UF (82)										
Miami Valley Coated Paper	Franklin, Ohio	2-46	150		1	16.4	BW	TG										
Plow Works	Kanawha, W. Va.		150	Sat	2	12	LI	O	0.5	3600	WE	1.0	0					49
Plywood Plastics Corp.	Hampton, S. C.		150	Sat	1	25	BW	O										13
R. J. Reynolds Tobacco Co.	Danville, Va.		150	Sat	1	18	O, W											90
Rubens & Horrmann Brewing	Staten Island, N. Y.	1-46	150	Sat	1	26.5	CE	SS (73)										26.5
Tantalum Defense Corp.	North Chicago, Ill.	1-43	150	Sat	1	20	EC	P										40
University of Missouri	Rolla, Mo.	6-42	150	366	3	40	BW	SS (150)										120
University of Missouri	Akron, Ohio	1946	150	366	2	18	BW	CG (75)										36
Upjohn Co.	Kalamazoo, Mich.	9-46	150	Sat	2	15	BW	UF (54)										30
Upjohn Co.	Kalamazoo, Mich.	1-45	150		1	45	UI	UF										
Canado Mission	Canado, Ariz.	12-42	140	Sat	1	7	LI	SS (40)										22
Canado Mission	Canado, Ariz.	3-46	140	Sat	1	15	BW	SS (54)										0.25
Mohawk Carpet Mills	Amsterdam, N. Y.		140	360	2	60	CE	P										120
Naval Air Station	Lakehurst, N. J.		135	350	3	35	BW	O										120
Alden Mills	New Orleans, La.	10-45	130	356	1	7	BW	G										
Virginia Hot Springs	Hot Springs, Va.		130	355	1	24.7	BW	UF (72)										55
Deep Sea Products Co.	Aberdeen, Wash.	2-46	125	Sat	1	10	RS	O										10
Diebold, Inc.	Canton, Ohio	1942	125		2	23	BW	C										
Diebold, Inc.	Canton, Ohio	1-43	125	462	1	23	RS	O										43
Excelsior Mill	Union, S. C.		125	353	1	32.5	BW	SS (90)										48.3
H. J. Heinz Co.	Medina, N. Y.	9-45	125	Sat	1	60	BW	P										
H. J. Heinz Co.	Tracy, Calif.	6-46	125		3	50	BW	O, G										150
Lloyd Mfg Co.	Menominee, Mich.	11-46	125	338	2	30	CE	SS (125)										60
Naval Air Station	Jacksonville, Fla.	9-46	125	Sat	2	12	RS	UF (50)										
Page Milk Co.	Merrill, Wis.	12-42	125	344	3	13.5	BW	O										40
Physical Culture Hotel	Danville, N. Y.	1944	125		1	25	UI	P										0.375
Physical Culture Hotel	Danville, N. Y.		125		1	10	BI											0.225
Washington Gas Light Co.	Washington, D. C.		125		1	10	CE	UF										20
Washington Gas Light Co.	Washington, D. C.	2-43	125	344	1	70	BW	P										366
Western Condensing Co.	Mishicot, Wis.	12-41	125	344	2	50	BW	P										
Wyman Gordon Co.	Harvey, Ill.	3-44	125	345	1	10	UI	P										
McGuire General Hosp.	Richmond, Va.	1943	120	350	3	80	BW	SS (192)										240
Naval Air Station	Olathe, Kan.	3-44	110	344	4	30	UI	SS										120
American Asphalt Roof	Kansas City, Mo.	9-42	110	Sat	3	40	BW	O, G										120
Boeing Aircraft Co.	Seattle, Wash.	3-46	100	330	1	13	CE	CA										9
Boeing Aircraft Co.	Seattle, Wash.	1942	100	338	2	14	KB	O										112
Boeing Aircraft Co.	Seattle, Wash.	1946	100	650	1	14	RS	O										

150 PSI

R C A Co.
U. S. Arm
Warumbe
Westingh
Winthrop

CANADA

Canadian
Canadian
Consumer
Kroehler
Rolland I

160 TO

British-A
Canadian
Dominion
Toronto
Truro El
Brompton
Building
Canada
E B Edd
Shawing
J R Boot
Booth L
Eldorado
Canadian
Dominion
Hamilton
Victoria

150 PSI

Alberta I
Alberta,
J A Y B
Canadian
Canadian
Donnac
Internat
J Lewis
National
N M C I
Nova S
Proctor
Swift Ca
Canadian
Gypsum
National
Canadian
Canadian
Consum
Sunnybr
Dominio
Dryden
W & A
Imperial
Royal A
Toronto
Electric
H J Hei
Federal
Fry-Cad
Laurent

AC —
BI —
BL —
BW —
BWG —
C —
C1 —
CB —
CE —
CG —
CV —
DB —
EC —

Rockwell Corp.	Lancaster, Pa.	100	345	3	7	KB	UF (56)	30
U. S. Army	Camp Butler, N. C.	9-42	100	340	5	7	BW	UF (36)
Varumt. Mfg. Co.	Lisbon Falls, Me.	9-46	100	308	4	88	BW	SS (56)
Westinghouse Elec. Corp.	Attica, N. Y.	5-45	100	308	1	27	BW	UF (51)
Winthrop Mills	Winthrop, Me.	6-43	100	1	18	BW	UF	30
		6-43	100	2	12	19	UF	0.225

✓ Canadian Intl Paper Co.	Gatineau, Que.	12-46	200	455	1	200	CE	P										700
Canadian Vickers, Ltd	Maigouneure, Que.	6-41	200	388	3	18	VK	UF (54)										55
Consumers Gas Co.	Toronto, Ont.	1946	200	453	1	45	DB	O.G										
✓ Kroehler Mfg. Co., Ltd	Stratford, Ont.	7-46	200		1	18	BWG	UF (54)										0.4
		10-45	200		1	18	VK	SS										
Rolland Paper Co.	St Jerome, Que.	3-46	200		1	18	VK	SS	.02	3690	BW	10	0				60	

[illegible]

✓ Alberta Provincial Govt.	Oliver, Alta	12-41	150	366	1	20	BWG	TG (77)									45	0.55
✓ Alberta, University of	Edmonton, Alta	2-45	150	Sat	2	15	FW	G									98	
✓ J A Y Bouchard, Inc	Quebec City, Que	9-45	150	Sat	2	9	CB	O									27	
✓ Canadian Copper Refiners	Montreal East, Que		150	420	1	40	VK	O									150	
✓ Canadian Vickers Ltd	Cartierville, Que	8-44	150	366	1	10	CV	UF (42)									30	
✓ Donnacona Paper Co	Donnacona, Que	5-46	150	366	1	65	DB	Elec									360	
✓ International Harvester Co	Hamilton, Ont	4-46	150	441	3	40	FW	SS (110)									120	1.0
✓ J Lewis & Sons, Ltd	Truro, N.S.		150	500	1	33	BWG	TG (124)									51	
✓ National Steel Car Corp	Hamilton, Ont	1941	150	366	2	25	BW	UF (87)									71	
✓ N M C Dockyard	Halifax, N.S.	9-43	150	358	3	30	VK	UF (110)									90	
✓ Nova Scotia Lt & Pwr Co	Halifax, N.S.	1942	150	500	1	35	BWG	TG (123)										5
✓ Procter & Gamble Co	Hamilton, Ont		150	Sat	2	40	BWG	TG (135)										
✓ Swift Canadian Co.	Edmonton, Alta	7-45	150	360		45	BWG	G									80	
✓ Canadian Durex Abrasives	Brantford, Ont	10-42	148	Sat	2	11	BWG	UF (40)									22	
✓ Gypsum Lime & Alabaster Co	Caledonia, Ont	10-42	145	360		35	CE	UF (66)									50	
✓ National Defense Dept	Halifax, N.S.	10-42	145	363		15	BW	}									85	
✓ Canadian General Elec. Co	Toronto, Ont.	1941	140	Sat	2	25	BWG	TG (98)									45	
✓ Canadian Industries, Ltd	Brownsville, Que	1943	140	450	1	35	VK	UF (77)										
✓ Canadian Westinghouse, Ltd.	Hamilton, Ont	12-41	135	358	2	60	FW	UF (105)									120	
✓ Consumers Gas Co	Toronto, Ont.	1945	130	430	3	25	DB	TG (126)									75	
✓ Sunnybrook Hospital	Toronto, Ont.	11-45	130	350	3	30	FW	UF (92)	0.128	3750	BW	6				90	0.128	
✓ Canadian Raybestos, Ltd.	Peterborough, Ont.	1-46	125	350	1	10	FW	O								15		
✓ Dominion Forge & Stamping Co.	Walkerville, Ont	7-43	125		2	14	FW	SS (53)								60		
✓ Dryden Paper Co., Ltd	Dryden, Ont.	7-45	125	353	1	50	CE	BL										
		2-43	125	353	1	30	LS	SS (96)									170	
✓ W & A Gibbey, Ltd	New Toronto, Ont	12-43	125	350	1	6.2	BW	O									12.4	
✓ Imperial Leaf Tobacco Co	Aylmer, Ont.	11-46	125		2	5	FW	O									9.0	
✓ Royal Alexandra Hospital	Edmonton, Alta	11-46	125	353	3	10	FW	G	0.25	3600	K	20	0			30	0.25	
✓ Toronto, University of	Ajax, Ont.	1-46	125	460	5	25	CV	UF (77)										
✓ Electric Reduction Co	Buckingham, Que	1941	120	Sat	1	20	FW	UF (65)									125	
✓ E J Heinz Co of Canada	Wallaceburg, Ont	1945	120	Sat	1	40	FW	UF (149)									75	
✓ Federal Wire & Cable Co.	Guelpch, Ont.	8-44	120	Sat	3	46	BWG	TG (130)									138	
✓ Fry-Cadbury, Ltd.	Montreal, Que.	5-46	110	Sat	1	10	FW	UF									12	
✓ Laurentian Sanatorium	Ste. Agathe des Monts, Que		100		1	12	FW	O									18	
		1942	1															

AC	—Allis-Chalmers Mfg Co	EL	—Elliott Co	MS	—Moore Steam Turbine Div
BL	—Bigelow Boiler Co	Elec	—Electric Boiler	O	—Oil
BL	—Black liquor	EM	—Eagle Moor Iron Works	OW	—Oil Well Supply Co
BW	—Bacon & Wilcox Co	FW	—Foster Wheeler Corp	P	—Pulverized-fuel firing
BWG	—Bacon & Wilcox & Goldie-McCullough Ltd	G	—Gas	RS	—Riley Stoker Corp
C	—Coal, bituminous	GE	—General Electric Co	SS	—Spreader stoker
CA	—Coal, anthracite	HB	—Heine Boiler Co	TG	—Traveling grate
CB	—Coke breeze	IB	—International Boiler Co	UF	—Underfeed stoker
CE	—Combustion Engineering Co	K	—Kerr Turbine Co	UI	—Union Iron Works
CG	—Chain grate	KB	—Kewanee Boiler Co	VK	—Vickers Keeler
CV	—Canadian Vickers Co. Ltd	KE	—Keeler Boiler Co	Vu	—Henry Vogt Machine Co
DB	—Dominion Bridge Co. Ltd	L	—Lignite	W	—Wood waste
EC	—Ene City Iron Works	LJ	—Llewellyn Iron Wks	350	—Stoker grate area, sq ft
		LS	—E Leonard & Sons, Ltd		