

1953 Design Survey of Typical

PLAINTIFF'S EXHIBIT

RS-192

Compiled by B. G. A. Skrotzki, Associate Editor

Company	Location	Plant name	Consulting engineers	First operation new units	Turbine pressure, psi	Steam temp., °F		Number	Capacity, each, 1000 lb per hr	Manufacturer	Boilers		Heat release, 1000 B per cu ft per hr	Furnace bottom
						Turbine	Reheat				Boiler & W	Surface, 1000 sq ft		
Boston Edison Co	North Weymouth, Mass	Edgar	Jackson & Moreland	7-54	1450	1000	1000	1	514	CE	13.8	33.0	15.5	DB
✓ Carolina Power & Light Co	Wilmington, N. C.	Wilmington	Edasco Services Inc	1954	1450	900	900	1	1000	CE	36.7	—	15.1	DB
✓ Consumers Power Co	Erie, Mich	Justin R. Whiting	Commonwealth Associates Inc	11-53	1450	900	900	1	350	BW	17.1	70.0	15.7	DB
✓ Florida Power & Light Co	South Florida	Undetermined	Edasco Services Inc	7-55	1450	1000	1000	1	1000	CE	40.4	56.5	15.7	DB
✓ Louisville Gas & Electric Co	Cutler, Florida	Cutler	Edasco Services Inc	0-54	1250	350	—	1	350	CE	27.0	—	15.1	DB
	Louisville, Ky	Cane Run	Pioneer Service & Engrg Co	3-54	1450	1000	—	1	820	FW	38.9	17.1	15.1	DB
✓ Monongahela Power Co	Albright, W. Va.	Albright	Danderson & Porter	7-54	1450	1000	1000	1	1000	CE	—	75.0	14.1	DB
✓ Alabama Gas & Electric Co	Mustang, Okla	Mustang	Sargent & Lundy	1955	1450	200	200	1	725	BW	12.5	—	15.7	DB
✓ Pennsylvania Power Co	New Castle, Pa	New Castle	Commonwealth Associates Inc	0-52	1450	200	200	1	590	BW	13.7	45.1	15.0	DB
✓ Rochester Gas & Electric Corp	Rochester, N. Y.	Russell	Drivert Associates Inc	1953	1450	1000	900	1	470	CE	41.4	31.1	15.0	DB
✓ Southwestern Public Service Co	Amherst, Texas	Plant "X"	—	1955	1450	1000	1000	1	800	CE	18.6	—	15.5	DB
	Durham, Texas	Moore County	—	1954	350	300	—	1	500	CE	33.6	—	15.0	DB
	Denver, Colo., Texas	Denver City	J. F. Pritchard & Co	1954	350	300	—	1	500	CE	33.6	—	15.0	DB
✓ Virginia Electric & Power Co	Portsmouth, Va	Portsmouth	Stone & Webster Engrg Corp	9-54	1450	600	300	1	750	CE	31.7	49.8	15.0	DB
✓ West Penn Power Co	Springdale, Pa	Springdale	Danderson & Porter, G. W. Sarnoff	1954	1450	1000	1000	1	950	BW	15.8	56.8	15.3	DB
✓ Wisconsin Power & Light Co	North Beloit, Wis	Rock River	Sargent & Lundy	11-53	1450	1000	1000	2	525	BW	13.0	32.3	15.4	DB
✓ Cambridge Electric Light Co	Cambridge, Mass	Kendall Square	Gilbert Associates, Inc	1954	1320	310	—	1	300	BW	18.3	11.6	15.0	DB
✓ California Electric Power Co	Hightgrove, Calif	Hightgrove	Fluor Corp	10-53	1250	950	—	1	425	CE	16.7	15.0	15.3	DB
✓ Duquesne Light Co	Eltama, Pa	Eltama	—	1955	1250	950	—	1	425	CE	16.7	15.0	14.9	DB
				10-53	1300	1000	1000	1	875	BW	29.7	49.6	—	DB
✓ Columbus & Southern Ohio Electric Co	Athens, Ohio	E. M. Poston	Edasco Services Inc	11-53	1250	950	—	1	625	CE	26.7	17.7	15.5	DB
✓ Indianapolis Power & Light Co	White River, Ind	White River	Gibbs & Hill Inc	12-53	1250	950	—	1	600	CE	25.4	16.9	15.5	DB
✓ Pennsylvania Power & Light Co	Martins Creek, Pa	Martins Creek	Edasco Services Inc	5-54	1250	950	—	1	1200	FW	72.2	19.3	14.2	DB
				5-56	1250	950	—	1	1200	FW	72.2	19.3	14.2	DB
✓ Public Service Co of New Hampshire	Portsmouth, N. H.	Schrier	Jackson & Moreland	9-53	1250	950	—	1	425	FW	15.0	11.6	20.6	DB
✓ Union Electric Co of Missouri	St. Louis County, Mo	Meramec	—	7-55	1250	950	—	1	425	FW	15.0	11.6	20.6	DB
				4-54	1250	950	350	1	325	CE	44.5	50.0	12.3	DB
✓ Missouri Public Service Co	Pleasant Hill, Mo	Ralph Green	Burns & McDonnell Engrg Co	12-53	1050	315	—	1	300	BW	15.9	8.5	15.4	DB
✓ Public Service Co of Oklahoma	Washita, Okla	Southwestern	Sargent & Lundy	0-54	300	900	—	1	590	BW	36.3	11.6	14.3	DB
✓ Tampa Electric Co	Tampa, Fla	Hookers Point	Stone & Webster Engrg Corp	3-53	375	300	—	1	505	BW	29.1	11.2	—	DB
✓ Western Light & Telephone Co Inc	Great Bend, Kans	Murtergren	Sargent & Lundy	3-53	375	300	—	1	170	CE	18.3	4.7	15.1	DB
✓ West Texas Utilities Co	San Angelo, Texas	Concho	Sargent & Lundy	3-53	375	300	—	1	300	BW	20.6	8.1	15.2	DB
	Waskett, Texas	Paint Creek	Sargent & Lundy	5-53	375	300	—	1	300	BW	20.6	8.1	15.2	DB
✓ Central Illinois Electric & Gas Co	Rockford, Ill	Sabrooke	Stone & Webster Engrg Corp	1955	350	900	—	1	300	FW	25.8	10.8	22.4	DB
✓ Central Power & Light Co	Donnell, Texas	Donnell	Sargent & Lundy	1-54	350	900	—	1	530	BW	27.3	12.4	20.0	DB
	Victoria, Texas	Victoria	Sargent & Lundy	1-55	350	900	—	1	530	BW	27.3	12.4	20.0	DB
✓ Eastern Shore Public Service Co of Md	Zienna, Md	Zienna	United Engrs & Constructors	4-51	350	900	—	1	300	BW	23.3	10.6	15.0	DB
✓ Kansas Power and Light Co	Lawrence, Kansas	Black & Veatch	—	1-53	350	900	—	1	375	CE	19.2	11.6	15.5	DB
✓ Kentucky Utilities Co	Green River, Ky	Green River	Sargent & Lundy	1-53	350	900	—	1	560	BW	10.5	15.0	15.3	DB
✓ Oklahoma Gas & Electric	Tulsa, Okla	Tulsa	Sargent & Lundy	4-53	350	900	—	1	560	BW	10.5	15.0	15.3	DB
	South	South	Sargent & Lundy	12-52	350	900	—	1	530	BW	42.3	13.7	15.3	DB
✓ Public Service Co of Colorado	Denver, Colo	Dun	Edasco Services Inc	2-54	350	900	—	1	675	BW	48.5	18.6	15.5	DB
✓ Hawaiian Electric & Power Co	Honolulu, Hawaii	Palmyra	Stone & Webster Engrg Corp	7-54	350	900	—	1	220	CE	—	8.1	15.0	DB
✓ Tucson Gas & Electric Light & Power Co	Tucson, Ariz	Johnson No 3	Danderson & Porter	4-53	350	900	—	1	275	BW	—	12.5	15.2	DB
				5-54	350	900	—	1	550	BW	—	—	—	DB
✓ Iowa Gas & Electric Co	Moine, Iowa	Moine	Sargent & Lundy	4-53	325	325	—	2	200	RS	20.1	5.7	15.5	DB
✓ Oklahoma Gas & Electric Co	Edmond, Okla	Edmond	Commonwealth Associates Inc	7-52	415	900	—	1	500	RS	29.9	25.8	15.5	DB
✓ Arkansas Gas & Electric Co	Goodtown, Ark	Goodtown	Burns & McDonnell	1-52	450	325	—	2	230	CE	27.5	—	15.5	DB
✓ Sargent & Lundy Electric Co	Washburn, Maine	Washburn	E. M. Graham	7-54	400	325	—	1	125	RS	13.8	4.3	15.3	DB
✓ Iowa Public Service Co	Waukegan, Iowa	Waukegan	J. F. Pritchard Co	10-53	400	325	—	1	125	BW	15.4	—	15.3	DB
	Waukegan, Iowa	Waukegan	Black & Veatch	4-51	400	350	—	1	—	—	—	—	—	DB

An — Anthracite
AC — Air-chargers Mfg Co
Ad — Admiralty
Adi — Admiralty, armored
AlB — Aluminum bronze
AlBr — Aluminum brass

AnAd — Antimonial admiralty
AnAdi — Inhibited antimonial admiralty
ASAd — Arsenical admiralty
Adi — Admiralty, armored
ASAlB — Arsenical aluminum brass
ASCu — Arsenical copper
B — Babbington plates

BW — Babcock & Wilcox Co
C — Cast
CE — Combustion Engineering, Inc
Con — Condenser separation
CuNi — Copper-nickel
Cy — Cyclone furnace

D — Damper
DB — Dry bottom
Du — Dual turbine and motor drive
FW — Foster Wheeler Corp
G — Natural gas
GE — General Electric Co

Hy — Hydraulic
L — Lignite
Lo — Louvers
M — Motor driven
Ma — Magnetic
Mo — Two motors

O — Oil
P — Pulverizer
Ph — Phosphor
Pl — Plate
R — Regulator
RB — Red brass

Chester Gas & Electric Corp	Rochester, N. Y.	Russell	Gilbert Associates Inc	1953	1450	1000	1000	1	470	CE
Northwestern Public Service Co	Amherst, Texas	Plant "X"		1955	1450	1000	1000	1	800	CE
	Sunray, Texas	Moore County		1954	850	900		1	500	CE
	Denver City, Texas	Denver City ⁸	J F Pritchard & Co	1954	850	900		1	500	CE
Electric & Power Co	Portsmouth, Va	Portsmouth	Stone & Webster Engrg Corp	8-54	1450	1000	1000	1	750	CE
Spring Power Co	Springdale, Pa	Springdale	Sanderson & Porter, G W Saathoff	1954	1450	1000	1000	1	950	B+
Wisconsin Power & Light Co	North Beloit, Wis	Rock River	Sargent & Lundy	11-53	1450	1000	1000	2	525	B+
Cambridge Electric Light Co	Cambridge, Mass	Kendall Square	Gilbert Associates, Inc	1954	1320	910		1	300	B+
California Electric Power Co	Highgrove, Calif	Highgrove	Fluor Corp	10-53	1250	950		1	425	CE
				1955	1250	950		1	425	CE
Quincy Light Co	Elrama, Pa	Elrama		10-53	1300	1000	1000	1	875	B+
Columbus & Southern Ohio Electric Co	Athens, Ohio	E M Poston	Ebasco Services Inc	11-53	1250	950		1	625	CE
Indianapolis Power & Light Co	nr Martinsville, Ind	White River	Gibbs & Hill Inc	12-53	1250	950		1	600	CE
Pennsylvania Power & Light Co	nr Martins Creek, Pa	Martins Creek	Ebasco Services Inc	5-54	1250	950		1	1200	F+
				5-56	1250	950		1	1200	F+
Electric Service Co of New Hampshire	Portsmouth, N. H.	Schiller	Jackson & Moreland	9-53	1250	950		1	425	F+
				7-55	1250	950		1	425	F+
St. Louis Electric Co of Missouri	St. Louis County, Mo	Meramec		4-54	1250	950	950	1	925	CE
Missouri Public Service Co	Pleasant Hill, Mo	Ralph Green	Burns & McDonnell Engrg Co	12-53	1050	915		1	200	B+
Electric Service Co of Oklahoma	Wasnita, Okla	Southwestern	Sargent & Lundy	2-54	900	900		1	690	B+
Florida Electric Co	Tampa, Fla	Hookers Point ⁴	Stone & Webster Engrg Corp	9-53	875	900		1	505	B+
Western Light & Telephone Co Inc	Great Bend, Kans	Mullergren	Sargent & Lundy	9-53	875	900		1	170	CE
State of Texas Utilities Co	San Angelo, Texas	Concho	Sargent & Lundy	3-53	875	900		1	300	B+
	Haskell, Texas	Paint Creek	Sargent & Lundy	5-53	875	900		1	300	B+
Illinois Electric & Gas Co	Rockford, Ill	Sabrooke	Stone & Webster Engrg Corp	1955	850	900		1	300	F+
	nr Calallen, Texas	Lon C Hill	Sargent & Lundy	1-54	850	900		1	630	B+
	Victoria, Texas	Victoria	Sargent & Lundy	1-55	850	900		1	630	B+
Western Shore Public Service Co of Md	Vienna, Md	Vienna	United Engrs & Constructors	4-51	850	900		1	300	B+
Missouri Power and Light Co	Lawrence, Kansas	Lawrence ⁴	Black & Veatch	1-53	850	900		1	375	CE
Kentucky Utilities Co	Central City, Ky	Green River	Sargent & Lundy		850	900		1	660	B+
	nr Lawrenceburg, Ky	Tyrone	Sargent & Lundy	5-53	850	900		1	660	B+
Oklahoma Gas & Electric	Surgonur, Okla	South	Sargent & Lundy	12-52	850	900		1	630	B+
Electric Service Co of Colorado	Denver, Colo	Zuni	Ebasco Services Inc	2-54	850	900		1	675	B+
Seaboard Electric & Power Co	Savannah, Ga	Riverside ⁴	Stone & Webster Engrg Corp	7-54	850	900		1	220	CE
Tucson Gas, Electric Light & Power Co	Tucson, Ariz	Station No. 3 ⁴	Sanderson & Porter	5-53	850	900		1	275	B+
				5-54	850	900		1	550	B+
Champaign Gas & Electric Co	Moline, Ill	Moline	Sargent & Lundy	6-53	825	825		2	200	B+
Central Illinois Light Co	E. Peoria, Ill	R S Wallace	Commonwealth Associates Inc	9-52	815	900		1	600	F+
Atlantic City Electric Co	Gibbstown, N. J	Greenwich ⁴	Burns & Roe Inc	11-52	650	825		2	230	CE
Major Hydro Electric Co	Veazie, Maine	E M Graham	C T Main, Inc	7-54	600	825		1	125	F+
Iowa Public Service Co	Storm Lake, Iowa	Hawkeye	J F Pritchard Co	10-53	600	825		1	125	B+
	Carroll, Iowa	Carroll	Black & Veatch	5-53	400	750				

- Anthracite
- Atlas-Chaimers Mfg Co
- Admiralty
- Admiralty, inhibited
- Aluminum bronze
- Aluminum brass

AnAd - Antimonial admiralty
AnAdi - Inhibited antimonial admiralty
AsAd - Arsenical admiralty
AsAlB - Arsenical aluminum brass
AsCu - Arsenical copper
B - Variable-pitch blades

BW - Babcock & Wilcox Co
C - Coal, bituminous
CE - Combustion Engineering, Inc
Con - Condenser deaeration
CuNi - Copper nickel
Cy - Cyclone furnace

D - Damper
DB - Dry bottom
Du - Dual turbine and motor drive
FW - Foster Wheeler Corp
G - Natural gas
GE - General Electric Co

Hy
L
Lo
M
Ma
Mo

1953 Design Survey of Typical Natural Gas Turbine Boilers

Compiled by B G A Skrotzki, Associate Editor				First operation new units	Throttle pressure, psig	Steam temp., F		BOILERS				
Company	Location	Plant name	Consulting engineers			Throttle	Reheat	Number	Capacity, each, 1000 lb per hr	Manufacturer	Boiler & W	Surface, sq ft
✓ The Ohio Power Co	Nr Zanesville, Ohio	Philo	Am Gas & Elec Service Corp		4500	1150	1050 ¹¹	1	675	BW	—	—
✓ Public Service Electric and Gas Co	Burlington, N. J.	Burlington		1954	2350	1100	1050	1	1225	BW	19.8	91.6
✓ Consumers Power Co	Essexville, Mich	John C. Meadock	Commonwealth Associates Inc	4-55	2300	1050	1000	1	1050	GE	43.6	112.3
✓ Ohio Edison Co	Shadyside, Ohio	R E Burger	Commonwealth Associates Inc	9-54	2300	1050	1000	1	1050	BW	18.9	76.7
✓ Jersey Central Power & Light Co	Saverville, N. J.	Raritan River	Burns and Roe Inc	12-54	2000	1050	1000	1	900	BW	20.4	43.4
✓ Appalachian Electric Power Co	Glasgow, N. Va	Kanawha River	Am Gas & Elec Service Corp	4-53	2000	1050	1050	1	1335	BW	39.7	91.4
✓ Indiana & Michigan Electric Co	Lawrenceburg, Ind	Tanners Creek	Am Gas & Elec Service Corp	10-53	2000	1050	1050	1	1335	BW	39.7	91.4
✓ Indiana-Kentucky Electric Corp	Madison, Ind	Clifty Creek	Am Gas & Elec Service Corp	3-54	2000	1050	1050	1	1335	BW	39.7	91.3
✓ The Ohio Power Co	Reinet, Ohio	Muskingum River	Am Gas & Elec Service Corp	11-53	2000	1050	1050	5	1340	BW	38.3	91.8
✓ Ohio Valley Electric Corp	Cheshire, Ohio	Kyger Creek	Am Gas & Elec Service Corp	11-54	2000	1050	1050	1	1335	BW	37.4	91.4
✓ Central Hudson Gas & Electric Corp	Roseton, N. Y.	Dansammer Point	Burns and Roe Inc	1-54	2000	1050	1050	5	1340	BW	38.3	91.8
✓ Alabama Power Co	Barry, Ala	Barry	Southern Services Inc	9-54	1840	1000	1000	1	500	GE	21.7	21.1
✓ Cleveland Electric Illuminating Co	Eastlake, Ohio	Eastlake	Burns and Roe Inc	12-53	1800	1000	1000	1	900	GE	44.7	80.3
✓ Rockland Light and Power Co	Tomkins Cove, N. Y.	Hudson	Burns and Roe Inc	4-54	1800	1000	1000	1	900	GE	44.7	80.3
✓ Cons. Gas, Elec. Lt. & Pwr Co of Baltimore	Anne Arundel County, Md	Herbert A. Wagner		9-54	1800	1000	1000	1	950	BW	21.0	47.2
✓ Dallas Power & Light Co	Dallas, Texas	Mountain Creek	Edasco Services Inc	1-56	1800	1000	1000	1	1200	RS	—	—
		Parkdale	Edasco Services Inc	1-55	1450	1000	1000	1	1050	BW	—	—
		Parkdale	Edasco Services Inc	5-53	1250	950	1000	1	775	BW	10.8	70.2
		Dallas	Edasco Services Inc	3-54	1250	950	1000	1	550	GE	11.5	16.8
✓ Duke Power Co	Mc Holly, N. C.	Riverbend		1954	1800	1000	1000	2	1000	GE	53.6	72.3
✓ Electric Energy Inc	Joopa, Ill	Joopa	Edasco Services Inc		1800	1050	1000	1	1200	GE	52.3	100.3
					1800	1050	1000	1	1200	GE	52.3	100.3
✓ Georgia Power Co	Kramert, Ga	Hammond	Southern Services Inc	11-53	1800	1000	1000	1	725	BW	17.5	—
				2-54	1800	1000	1000	1	725	BW	17.5	—
				3-54	1800	1000	1000	1	725	BW	17.5	—
✓ Houston Lighting & Power Co	Pasadena, Texas	Deepwater	Edasco Services Inc	1-55	1800	1000	1000	1	1200	RS	44.7	91.4
✓ New York State Electric & Gas Corp	Undetermined	Undetermined	Edasco Services Inc	1-56	1800	1000	1000	1	1200	RS	44.7	91.4
	Ludlowville, N. Y.	Wilfiken	Gilbert Associates, Inc	1-55	1800	1000	1000	1	900	GE	44.7	83.4
✓ Pacific Gas & Electric Co	Pittsburg, Calif	Pittsburg	Bectel Corp	1954	1800	1000	1000	4	1080	BW	20.1	80.9
✓ Pennsylvania Electric Co	Shawville, Pa	Shawville	Gilbert Associates Inc	1954	1800	950	1000	2	494	BW	5.4	—
✓ Potomac Electric Power Co	Alexandria, Va	Potomac River	Stone & Webster Engrg Corp	5-54	1700	1050	1000	1	725	GE	16.1	72.8
				5-55	1700	1050	1000	1	725	GE	16.1	72.8
✓ South Carolina Generating Co	Beech Island, S. C.	Jirunari	Gilbert Associates Inc	1-55	1700	1000	1000	1	700	GE	17.4	—
✓ Southern California Edison Co	Stewarda, Calif	Stewarda	Stone & Webster Engrg Corp	1-53	1700	1000	1000	2	320	GE	33.7	59.1
	Redondo Beach, Calif	Redondo Beach	Stone & Webster Engrg Corp	10-54	1700	1000	1000	1	1140	BW	20.1	90.0
	Redondo Beach, Calif	Redondo	Stone & Webster Engrg Corp	10-55	1700	1000	1000	1	1140	BW	20.1	90.0
✓ Texas Electric Service Co	Fort Worth, Texas	Flagle Mountain	Edasco Services Inc	2-56	1700	1000	1000	1	1250	RS	44.7	180.0
✓ Union Island Light & Power Co	Union Park, N. Y.	E. F. Barrett	Edasco Services Inc	3-56	1600	1000	1000	1	1150	GE	53.3	—
	Union Park, N. Y.	Unionwood No. 3	Edasco Services Inc	3-54	1500	1000	1000	1	750	GE	16.7	47.5
	Union Park, N. Y.	Flir Rockaway No. 2	Edasco Services Inc	10-53	1450	1000	1000	1	750	GE	16.7	47.5
✓ Union State Gas & Electric Co	New Richmond, Ohio	Walter C. Beckford	Sargent & Lundy	1-54	1425	1000	1000	1	760	BW	15.6	52.3
✓ Public Service Co of Indiana	West Terre Haute, Ind	Wabash	Sargent & Lundy	1-54	1300	1000	1000	1	700	FW	15.7	11.6
				3-54	1300	1000	1000	1	700	FW	15.7	11.6
✓ Texas Power Co	Henderson, Tex	Henderson	Sargent & Lundy	6-53	1400	1000	1000	1	525	GE	29.1	50.4
	Henderson, Tex	Henderson	Sargent & Lundy	2-54	1400	1000	1000	1	525	GE	29.1	50.4
✓ Arizona Public Service Co	N. Red Rock, Ariz	Quigaro	Edasco Services Inc	1-54	1400	1000	1000	1	700	GE	29.4	26.7
✓ Northern States Power Co	Needs, Minn	Black Dog		10-55	1450	1000	1000	1	775	BW	—	—

An — Anthracite
AO — Air-oil heaters
Ad — Admiralty
Al — Admiralty alloy
B — Admiralty bronze
Bc — Admiralty brass

AnAd — Admiralty admiralty
AnAdl — Admiralty admiralty
AsAd — Admiralty admiralty
AsAd — Admiralty admiralty
AsAd — Admiralty admiralty
AsAd — Admiralty admiralty
AsAd — Admiralty admiralty
AsAd — Admiralty admiralty

BW — Babcock & Wilcox Co
C — Coal
CE — Combustion Engineering, Inc
Con — Condenser
CuNi — Copper nickel
Cv — Cylindrical

D — Damper
DB — Dry bottom
Du — Dual turbine and motor drive
FW — Foster Wheeler Corp
G — General Electric Co

Hy — Hydraulic coupling
L — Lignite
Lo — Louvers
M — Motor drive
Ma — Magnetic coupling
Mo — Two motors per set

Pulverizer
Regulator
Regenerators
Riley Glass
Speed Control

1953 Design Survey: Typical Industrial

Compiled by J. C. McCabe, Associate Editor			First Operation, new units	Nominal pressure, psi	Nominal steam temperature, F	BOILERS			Furnace volume, 1000 cu ft	Heat release, 1000 Btu per cu ft per hr	
Company	Location	Consulting engineers				Number	Capacity, each, 1000 lb per hr	Manufacturer			Heating surface, 1000 sq ft
400 PSI AND ABOVE											
J. I. Naval Shipyard	Boston, Mass.		1954	2500	130	1	15	RS	3.9	1.2	17.0
Dow Chemical Co. Plant 2	Freeport, Texas	Stone & Webster Engrg Co.	4-53	1425	300	2	450	RS	15.5	22.5	30.0
Dow Chemical Co. Plant 3	Freeport, Texas	Stone & Webster Engrg Co.	10-53	1425	350	2	450	RS	15.5	22.5	30.5
Union Bag & Paper Corp.	Savannah, Ga.		1950	350		1	520	BW			
International Paper Co.	Natchez, Miss.		1953	1400	350	1	300	BW	5.6	11.0	18.5
National Lead Co.	Fredericktown, Mo.	J. G. White Engrg Corp.	1953	1200	Sat.	2	50	FW	5.2	1.9	11.6
Kaiser Aluminum & Chemical Corp.	Chattanooga, La.	Self	4-53	1000	305	9	225	FW	30.4	3.5	25.0
Crown Zellerbach Corp.	Port Angeles, Wash.	Self	3-54	1000	550 Initial 350 Future	1	170	CE	15.4	7.2	30.0
Columbia-Southern Chemical Corp.	Barberton, Ohio	Sargent & Lundy	11-53	375	355	1	385	BW	31.5	14.4	32.9
Mead Corp.	Kingsport, Tenn.	Self	1-53	375	345	1	150	BW	13.0	10.5	19.4
Sun Oil Co.	Toledo, Ohio	Gilbert Associates	12-53	375		1	220	BW	17.2		25.4
Weirton Steel Co.	Weirton, W. Va.		5-53	375	420	1	325	CE	48.1	19.5	19.0
Bowaters Southern Paper Corp.	Cairo, Tenn.	J. E. Sullivan	3-54	350	325	1	125	CE		7.1	
Cities Service Refining Corp.	Lake Charles, La.	G. W. Saachoff	8-53	350	325	1	375	BW	21.7	14.5	38.1
Mead Corp.	Chillicothe, Ohio	Self	4-52	350	325	1	72	CE	23.0	7.2	
U. S. Steel Corp.	Gary, Ind.	United Engrs & Constructors	4-53	350	325	1	100	BW	15.4	7.5	19.9
Pittsburgh Coke & Chemical Co.	Pittsburgh, Pa.	Guy Lewis		330	350	1	250	CE	41.9	24.0	
International Paper Co.	Springhill, La.		1954	325	425	1	250	CE	23.4	11.8	30.0
Naval Powder Factory	Indianhead, Ind.	Wearn, Vreeland, Carlson & Sweat	1955	325	325	3	150	CE	15.9	9.3	20.0
E. I. du Pont de Nemours & Co.	Camden, S. C.		2-52	300	2	165	CE	17.3	7.9	25.6	
Fort Motor Co. of Canada	Windsor, Ont.	H. K. Ferguson	1-53	900	420	1	200	CE	17.7	11.5	22.2
Naval Shipyard	Boston, Mass.	C. T. Mann	1953	900	325	1	150	RS	15.2		
Naval Shipyard	Philadelphia, Pa.		1954	300	325	1	125	CE			
Republic Steel Corp.	Cleveland, Ohio	United Engineers & Constructors	10-52	300	350	2	220	BW	24.4	18.3	17.5
U. S. Marine Corps	Cherry Point, N. C.	H. C. Olsen	1954	300	425	1	150	RS	15.2		18.0
U. S. Steel Corp.	Chicago, Ill.			300	300	1	650				
White Pine Copper Co.	White Pine, Mich.	Stone & Webster Engrg Co.	1954	375	300	2	170	RS	10.4	14.8	19.1
Ketchikan Pulp Co.	Ketchikan, Alaska		1953	360	325	2	150	BW	21.3	3.1	24.6
Aluminum Co. of America	Bauxite, Ark.		1953	360	325	2	100	BW	22.0	4.5	30.0
California Oil Co.	Balder, N. J.	Burns & Roe	9-52	450	3	175	FW	22.7	3.25	25.4	
Ravenna Inc.	Jesolo, Ga.			125	125	1	172	RS	16.9	3.5	20.8
St. Joe Paper Co.	Pyatt, St. Joe, Fla.	Cummins & Barnard	1953	725	760	2	200	BW	17.2	3.0	16.8
W. T. Smith Co. Paper Co.	Chapman, Ala.	Rust Engrg Co.	4-52	725	750	1	50	CE	7.5		
St. Joe Paper Co.	Pyatt, St. Joe, Fla.	Cummins & Barnard	1953	750	760	2	140	CE	10.5	15.1	15.5
National Photo-Chemicals Corp.	Tuscola, Ill.	J. F. Pritchard	4-53	700	750	1	265	CE	23.7	15.9	22.6
Araska Pulp & Sawmill Ltd.	Port Alice, B. C.	H. D. Stevens	4-52	575	725	1	185	CE	19.3		
Artifex Chemical & Dye Corp.	Frankford, Pa.			575	529	2	230	BW	19.3	4.8	13.3
Dan River Mills, Inc.	Danville, Va.	United Engrs & Constructors	4-52	475	700	1	200	CE	15.9	14.9	18.5
Dixie Paper Co. Ltd.	Dixie, Ont.	P. A. Hargrett	11-53	575	750	1	110	CE	15.4	10.3	21.4
E. I. du Pont de Nemours & Co.	Durham, N. C.	H. A. Simons	4-52	575	530	1	35	CE	10.8		
Minneapolis-Coleman Institutions	Kauwatoosa, Wis.	Pepler & Shultz	2-55	575	750	3	125				
Morton Salt Co.	Rock Lake, Texas	Cummins & Barnard	1-50	575	750	1	50	W	1.3	3.2	17.7
Phillips Chemical Co.	Prichard, Texas	Chem. Constr. Corp.	10-53	575	575	3	150	W	15.1	3.7	24.9
St. Joe Paper Co.	Pyatt, St. Joe, Fla.	Cummins & Barnard	1-53	575	565	1	150	BW	2.7		25.0
Timberline Pulp & Paper Co.	Rockledge, Wis.	Pepler & Shultz	4-53	475	700	1	130	BW			
Texas Co.	Port Arthur, Texas		3-54	475	715	1	225	FW		10.4	17.8
Timberline Pulp Co. Ltd.	Rockledge, Wis.	H. W. Angus	1-50	475	700	1	160	SWG	1.4		12.3
Timberline Pulp Co. Ltd.	Rockledge, Wis.	Self	1-50	475	750	1	100	RS	13.3	14.1	18.3
Wendell Paper Corp.	Wendell, Miss.		1952	570	760	1	113	BW	24.5	14.4	14.1
Naval Air Station	Naval Air Station	Raynolds, Smith & Mills	1953	450	475	2	125	BW	11.4	1.5	29.3
Navy Bureau of Ships & Docks	Jacksonville, Fla.	Raynolds, Smith & Mills	1954	450	425	3	125	FW	9.1	3.3	30.8
Timberline Pulp & Paper Mills	Rockledge, Wis.	Cummins & Barnard		450	760	1	125	W			
Timberline Pulp Co.	Rockledge, Wis.		1-52	450	760	1	150	RS	17.2	12.1	19.4
Timberline Pulp Co.	Rockledge, Wis.	J. F. Pritchard	1-54	450	750	3	175	CE	13.6	17.3	14.3
Wendell Paper Corp.	Wendell, Miss.	J. F. Pritchard	4-51	450	700	1	150				
Wendell Paper Corp.	Wendell, Miss.	United Engrs & Constructors	4-53	450	700	1	140	BW	12.2	15.1	15.0
Wendell Paper Corp.	Wendell, Miss.		4-53	450	700	1	150	BW	11.1		27.0
Wendell Paper Corp.	Wendell, Miss.		4-53	450	700	1	150	BW	11.1		28.3
Wendell Paper Corp.	Wendell, Miss.	J. G. White Engrg Corp.	4-53	450	700	1	150	BW	13.3	13.2	22.9
Wendell Paper Corp.	Wendell, Miss.		4-53	450	700	1	60	CE	10.5	9.5	12.0

- ME - Mechanical
- MI - Murray Iron
- MO - Two motors
- MT - One motor
- O - Oil
- P - Pulverized
- PI - Plate
- R - Regulator

1953 Design Survey: Typical Industrial

Compiled by J. C. McCabe, Associate Editor			First operation new units	Nominal pressure, psi	Nominal steam temperature, F	BOILERS			Firing	TURBINES				No. of bleed points	Total boiler capacity, 1000 kw
Company	Location	Consulting Engineers				Number	Capacity, each, 1000 lb per hr	Manufacturer		Capacity, 1000 kw	Speed, ipm	Manufacturer	Backpressure, psia		
American Locomotive Co.	Dunkirk, N. Y.	Zack G. Hinds	4-53	250	450	2	40	CE	SS (120)						80
Agricultural & Tech College	Greensboro, N. C.	W. C. Olsen	9-52	250	Sat	1	30	CE	SS (82)						48
Blitz Weirhard Co.	Portland, Ore.	C. C. Moore	1951	250	Sat	1	12	EW	O, G						46
California School for Deaf	Berkeley, Calif.			250	Sat	1	12	EW	O, G						46
Canadian Coltons, Ltd.	Cornwall, Ont.		10-53	250	388	2	40	EW	SS (133)						175
Caswell Training School	Kinston, N. C.	Wiley & Wilson	5-51	250	Sat	2	19	CE	SS (50)	0.4	1500	DL	40	0	54.5
Chemical Construction Co.	Nicholas, Fla.		1953	250	Sat	1	13	CE	SS (40)						21
Cincinnati Industries Inc.	Arlington Heights, Ohio	A. M. Kinney	12-52	250	350	1	18	CE	O						17
Cincinnati Industries, Inc.	Lockland, Ohio	A. M. Kinney	2-52	250	350	1	10	CE	O						17
Cities Services Oil Co.	Ponca City, Okla.		3-53	250	465	1	50	CE	O, G						254
Dominion Tar & Chemical Co.	Montreal, Que.	Stadler & Hunter	5-53	250	447	1	30	CE	O						48
E. du Pont de Nemours	Newark, Del.		3-52	250	338	1	20	CE	O						48
East Carolina College	Greenville, N. C.	Wiley & Wilson	10-51	250	Sat	2	35	CE	SS (105)						52
						1	13	CE	SS (40)						15
Elmendorf Air Base	Anchorage, Alaska	Boulton & Griffith	1952	250	Sat	3	15	EW	O						120
A. D. Ellis Mills, Inc.	Monson, Mass.	A. B. Reed		250	500	2	35	EW	O	0.8					110
General Fire Box Co.	West Springfield, Mass.	Alderman & MacNeish	10-52	250	Sat	1	18	EW	O						110
Goodrich-Sanford, Inc.	Sanford, Me.	J. A. Stevens	7-51	250	500	1	57	CE	O						115
Heintz Mfg. Co.	Philadelphia, Pa.	Kutjian Corp.	12-51	250	Sat	1	50	EW	O						115
International Salt Co.	Meyers, N. Y.	F. Nicolson	1953	250		2	40	EW	SS (120)	1.5 1.5	3600 3600	WE WE	10 10	2	80
Iowa State College	Ames, Iowa	Brown Engineering	1953	250	506	1	100	MI	TG (320)	3.0	3600	WE	5.0	2	35
Johns-Manville Corp.	Nashua, N. H.		11-51	250	400	1	10	FW	O, G						35
Johns-Manville Corp.	Pittsburg, Calif.		9-51	250	400	1	25	FW	O, G						35
Kansas State Hospital	Kalamazoo, Mich.	Fargo Engineering		250	500	3	50	WE	SS	2.0 2.0 2.0	3600 3600 5500	WE WE WE	5.0 5.0 5.0	1	70
Koppers Co. Inc.	Petrolia, Pa.		1-53	250	Sat	1	40	UI	SS (135)						72
Louisville Refining Co.	Louisville, Ky.		1953	250	401	1	36	Vo	O, G						72
Mead Corp.	Nashville, Tenn.		8-53	250	Sat	2	28	EW	O, G						74
Medical College of Va.	Richmond, Va.			250	Sat	1	44	EW	SS (128)						13
W. Hope Finishing Co.	Bulmer, N. C.		2-53	250	Sat	1	17	WE	O						13
Nixon Nitration Co.	Nixon, N. J.		1952	250	Sat	1	25	EW	O						13
Norfolk State Prison	Norfolk, Mass.	R. D. Kimball	1953	250	Sat	1	30	EW	O						13
Ohio Oil Co.	Varkham, Texas	Hudson Engineering	1952	250	600	2	25	WE	G						153
Pennsylvania Salt Mfg.	Calvert City, Ky.		4-53	250	Sat	2	50	EW	O						153
Price Bros. & Co., Ltd.	Kenogami, Que.		10-52	250	460	1	150	FW	P						153
Shelton Products Corp.	W. Zenon, Ohio	Austin Co.	2-53	250	366	1	40	EW	SS (38)						153
Shenango Furniture Co.	Sharpsville, Pa.		9-52	250	500	1	40	EW	SS (164)						153
Sinai Hospital	Detroit, Mich.	Albert Kahn	1-53	250		2	15	EW	O						153
J. M. Smucker Co.	Orionville, Ohio	Adache & Case		250		1	40	CE	SS						153
E. R. Saurio & Sons Div.	New Brunswick, N. J.		1952	250	Sat	1	150	EW	O						153
State Hospital	Jamestown, N. D.	Pfeifer & Shultz	12-52	250	450	1	30	WE	O	0.5	5000	WE	20	0	55
Stone Container Corp.	Chicago, Ill.	Carroll, Bechtel & Langtry	3-53	250	378	1	30	WE	O						55
Texas Co.	Bayonne, N. J.		4-53	250	Sat	1	28	EW	O						97
Texas Co.	Casper, Wyo.		12-53	250	450	1	115	EC	O, G						115
Union Oil Co.	Portland, Ore.		1953	250	Sat	1	22	EW	O						115
U. S. Naval Shipyard	Bremerton, Wash.		1954	250	Sat	1	50	WE	O						115
U. S. Navy	Monterey, Calif.	C. C. Moore	11-53	250	338	1	25	EW	O						115
Univ. of North Dakota	Grand Forks, N. D.	Pfeifer & Shultz	3-53	250	Sat	1	15	WE	SS (148)						115
Univ. of Toledo	Toledo, Ohio	D. F. Hoffman	4-53	250	350	1	18	WE	O						115
Vancouver Gen'l Hospital	Vancouver, B. C.	Sandwell & Co.	1953	250		1	15	EW	SS (56)						112
Veterans Home & Hospital	Rocky Hill, Conn.			250		1	10	WE	O						112
Western Electrochem. Co.	Henderson, Nev.	H. W. Beecher	1953	250	Sat	4	28	EW	O						112
Wyman Johnson Co.	N. Grafton, Mass.	Anderson-Michors	1-53	250	406	2	10	EW	O						136
Apple Creek State Hospital	Apple Creek, Ohio	Beiswanger & Hoch	4-52	235	401	1	0	CE	O	1.7	1000	WE	40	0	136
American District Steam Co.	N. Tonawanda, N. Y.		1-53	225	397	1	1	CE	O						136
Buick Motor Co.	Flint, Mich.		2-53	225	440	1	125	CE	O						136
Greenville Mills, Inc.	Greenville, Miss.	W. H. Lambert	4-53	225		1	10	EW	O						115
Russell, Burdick & Ward	Port Chester, N. Y.		1952	225		1	49	EW	O						115
International Gentile Assoc.	St. Anthony's, Mass.	Pierce Energy Co.	1952	220	Sat	1	5	WE	O	1.2			15		52
Arcoite Co., Ltd.	Valle La Cañe, Que.		1-53	213	377	1	26	WE	O						106
Anaconda Amer. Brass Ltd.	New Toronto, Ont.		2-53	210	400	1	50	EW	TG (120)						106
Arco Steel Co.	Wilmington, Del.		1-53	200	448	1	10	WE	SS (108)						106
Blackford Winery, Inc.	Zionsville, Ind.		1-52	200	Sat	1	0	WE	O						106
Chrysler Motor Co. Div.	Dearborn, Mich.			200	Sat	4	100	EW	O						106
Continental Traction Co.	York, Pa.	Whitman Regulator Assoc.	1-53	200	387	1	80	WE	SS (14)						106
Consumers Corp. Refineries	Regina, Sask.		4-52	200	170	1	10	FW	O, G						106
Dept. of National Defense	Hammond, N. C.	Hearns & Bromley	4-53	200	145	4	25	DBR	GF						145
Conquest Brothers Ltd.	Chateaufort, Que.		4-52	200	253	1	40	WE	SS (98)						145
Easton Paper Corp.	Pittsfield, Mass.		1953	200	Sat	2	10	WE	O						145

An - Anthracite
 Bl - Bituminous
 BW - Babcock & Wilcox
 BWG - Babcock & Wilcox, Goldie
 McCutcheon

C - Coal, bituminous
 CE - Combustion Engineering, Inc.
 CP - C. A. Parsons
 CV - Canadian Vickers Ltd.

DBR - Downham Bridge Co., Ltd.
 DL - De Laval Steam Turbine Co.
 EC - Erie City Iron Works
 EM - Edge Moor Iron Works Inc.

FW - Foster Wheeler Corp.
 G - Gas
 GE - General Electric Co.
 JI - John Inglis Co., Ltd.

Ke - Keeler
 MI - Murray
 O - Oil
 P - Pulverized

INDUSTRIALS, INSTITUTIONALS: BELOW 250

Compiled by J. C. McCaule, Associate Editor

Company	Location	Consulting Engineers	First operation new units	Nominal pressure, psi	Nominal steam temperature, F	BOILERS			Firing	TURBINES					No. of blades per stage	Type of turbine
						Number	Capacity, each, 1000 lb per hr	Manufacturer		Capacity, 1000 kw	Speed, rpm	Manufacturer	Background, psi			
Youngstown Hospital Assn	Youngstown, Ohio	P Fleming	7-53	160	Sat	3	53	GE	O						53	
Univ of Colorado	Boulder, Colo		1-50	155	Sat	1	35	W	G.O						1175	
Highway Paving Co	Montreal, Que	Higgs, Walford, Frost, Lindsay	12-52	153	360	2	17.5	VK	O						77	
150 PSI																
American Thermos Bottle Co	Norwich, Conn		7-53	150	Sat	1	10	Bi	O							
Associated Realty Co	New Haven, Conn	Jack Fanning	12-52	150	Sat	1	10	Bi	O							
Canadian Pacific Railways	Winnipeg, Man			150	466	3	30		SS							
Caterpillar Tractor Co	Alton, Ill	Gillette & Valet	5-51	150	Sat	2	80		SS (137)							
Children's Hospital	San Francisco, Calif			150	360	1	41	EC	O.G	0.13	750	GE			3	
Consolidated Chemical Industries	Baytown, Texas		1953	150	Sat	2	10	Bi	WH							
C.B. Cottrell & Sons Co	Pawcatuck, Conn		1953	150	Sat	2	10	Bi	O							
Crown Petroleum Corp	Hartford, Conn		7-52	150	Sat	1	7.3	Bi	O							
Grand Trunk Western R.R. Co	Detroit, Mich			150	Sat	2	4.9	Bi	O							
Heckscher Home for Children	New York, N. Y.		5-52	150	Sat	1	8	Bi	O							
Holyoke Card & Paper Co	Springfield, Mass		1-53	150	Sat	1	5	Bi	O							
H.P. Hood & Sons	New Haven, Conn		6-53	150	Sat	1	4.9	Bi	O							
E. Ingraham Co	Bristol, Conn		7-53	150	Sat	1	7.5	Bi	O							
Institution for Delinquents	Haddonfield, N. Y.		10-53	150	365	4	10.5	EW	O							
International Silver Co	Meriden, Conn		9-52	150	Sat	1	10	Bi	O							
Johnson & Crittenden Sts School	Philadelphia, Pa	A. E. D'Amely	1953	150	Sat	2	3.2	Bi	An							
Kerny's Cleaning Co	Westery, R. I.		4-53	150	Sat	1	4	Bi	O							
James Lees & Sons	Glasgow, Va	Kuljian Corp		150	366	1	35		C						115	
Lynn Hospital	Lynn, Mass		8-53	150	Sat	1	10	Bi	O							
W. H. Mason Lumber Co, Inc	Elkins, N. Va		7-52	150	Sat	1	4.7	Bi	W							
Commonwealth of Mass	Boston, Mass		4-53	150	Sat	2	4	Bi	C							
New Haven State Teachers College	New Haven, Conn	Hubbard Lawless & Blakeley	10-52	150	Sat	1	8.6	Bi	O							
Osborn Mill Co	Henderson, Ky	H. K. Ferguson	10-51	150	327	1	7	EC	SS						52	
Powell State School	Powell, Mo			150		1	6	BW	C							
Anna B. Pratt School	Philadelphia, Pa	A. E. D'Amely	1953	150	Sat	3	4	Bi	An							
Remington Rand, Inc	Middletown, Conn		5-52	150	Sat	1	4.9	Bi	O							
Reynolds Metals Co	Corpus Christi, Texas	J. G. Turnbull	4-52	150		2	6.5	EC	O						13	
John A. Rooding's Sons Corp	Trenton, N. J.		10-53	150	450	2	30	BW	O						45	
Sassafras Training School	Moore Jaw, Sask	E. Stuh	1953	150	366	2	18	FW	O							
Spring City Bleach & Dye Works	Spring City, Pa	Wertz Eng		150		1	90	EC	O							
L. L. Strles & Sons Brick Co	North Haven, Conn		8-52	150	Sat	1	10	Bi	O							
Strathmore Paper Co	W Springfield, Mass		3-52	150	Sat	1	12	Bi	C							
Swift River Woolen	Westery, R. I.		10-52	150	Sat	1	7.5	Bi	C							
Talbots Vener & Crate Co	Adel, Ga	Jack Fanning	12-52	150	Sat	1	8.1	Bi	W							
U. S. Veterans Administration	Los Angeles, Calif			150	365	3	50		UI	O.G					18	
Villanova College	Villanova, Pa	Giboy & O'Malley		150	358	2	30	CE	TG							
Youngstown Hospital Assn	Youngstown, Ohio			150		3	31		C							
149 PSI AND BELOW																
George M. Brewster & Sons	Bogota, N. J.	F. L. Smith	7-53	148	Sat	1	25	Bi	SS						244	
U. S. Army Signal Corps	Tobynanna, Pa		8-53	135	358	4	51		TG (240)							
Goodway Tire & Rubber Co	Cartersville, Ga		9-52	130	Sat	2	15	W	UF (58)							
Canadian Pratt & Whitney Aircraft	Jacques Cartier, Que	T. Pringle	6-52	125		3	15	VK	O							
Cutler Hammer Inc	Milwaukee, Wis		1-52	125	Sat	3	18	W	O							
Danbury Hospital	Danbury, Conn		4-52	125	Sat	1	10	Bi	O							
Fuller Mill Co	Milwaukee, Wis			125	352	1	55	W	C						17	
Greater Pittsburgh Airport	Pittsburgh, Pa	T. F. Rockwell	11-51	125	353	3	10.9	W	O An							
Commonwealth of Kentucky	Frankfort, Ky	E. R. Ronald	10-52	125	253	1	30	W	UF (97.5)							
Louisiana Fisheries Ltd	Louisburg, N. S.	Higgs, Walford, Frost, Lindsay	2-52	125	350	2	15	FW	SS							
Marine Corps Schools	Quantico, Va	Kuljian Corp	6-52	125	353	2	50	W	O						18	
Meredith Publishing Co	Des Moines, Iowa	Elmer Borg	9-52	125		2	12	W	O							
Monsanto Chemical Co	Nitro, N. Va		9-53	125	350	1	75	ED	SS (154)							
Mortenson Co	Rockaway, N. J.		7-52	125	Sat	1	4.9	Bi	O							
Nu Way Laundry & Cleaners	Polk, Tenn		7-52	125	Sat	1	5	Bi	O							
U. S. Public Health Service Hospital	San Francisco, Calif	Coddington	2-52	125		3	17	EC	O.G							
Westvaco Chemical Div	Lawrence, Kans	Bechtel Corp	7-52	125	344	1	14	BW	O.G						140	
Housing Authority of Baltimore	Baltimore, Md	Edin & Gomp	11-52	120		2	10	EC	O							
Canadian Tube & Steel Products	Montreal, Que	R. A. Harriott		100	Sat	2	20	FW	SS							
City of New York	New York, N. Y.			100	Sat	1	4	Bi	O WH							
Ready Memorial Hospital	Montreal, Que	B. R. Perry	8-53	100		2	4	CV	O						15	
Sun Oil Co	Newark, N. J.			100	335	1	12.6	Bi	O							

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1953 Design Survey: Typical Industrial

Compiled by J. C. McCabe, Associate Editor			First Operation, new units	Nominal pressure, psi	Nominal steam temperature, F	BOILERS				Furnace volume, 1000 cu ft	Heat release, 1000 Btu per cu ft per hr	Remarks
Company	Location	Consulting engineers				Number	Capacity, each, 1000 gal per hr	Manufacturer	Heating surface, 1000 sq ft			
American Box Board Co	Flint City, Mich	Carroll, Bechter & Langtry	4-53	600	150	1	200	BW	14.9			
Cardice & Johnson Chem	Lebanon, Texas	Brown & Root	1954	600	150	1	200	RS	12.2	10.0	28.8	DB
Cardice & Johnson Chem	St. Charles, Mo		1953	600	120	1	150	RS				ST
Charles Pfizer & Co	St. John, Conn	Baker & Spencer	1953	600	125	1	115	CE				
Detroit Gypsum Prod & Paper	Detroit, Mich	Boddy-Benjamin Associates	2-53	600	150	1	120	CE	13.7	9.0	27.7	
Elgin Phosphate Works	Kingston, N. C.	Burns & Roe	11-52	600	120	2	130	BW	7.7	5.5	25.3	
Hudson Motor Co	Detroit, Mich	Boddy-Benjamin Associates	2-53	600	120	1	100	BW	9.2	4.5	30.5	
Rocky Mount Co	Waco, Texas	H. E. Boyer, Jr.	1-54	600	150	1	100	CE			35.5	
Marine Corps Recruit Dep't	Parris Island, S. C.	J. E. Strine	354	600	150	1	50	RS	12.4	4.4	40.5	
Phosphate Works Ltd	Ocean Falls, B. C.		1-55	600	120	1	45	BW				
Power River Co Ltd	Power River, B. C.	Dandewell & Beecher	4-52	600	300	1	270	BWG	21.2	24.4	17.3	DB
Procter & Gamble Co	Sacramento, Calif		3-53	600	120	2	50	BW				
Tahiti Paper & Paper Co	Kauauna, Wis	Pfeifer & Shultz	3-52	600	120	1	115	BW				
U. S. Naval Station	Kodiak, Alaska	Leo A. Daly	1955	600	150	3	30	FW	3.8		52.0	
BELOW 400 PSI												
Dea States Ltd	Toms River, N. J.		3-52	350		2	50	RS	5.2	3.0		DB
Dow Corning Corp	Midland, Mich	Boddy-Benjamin Associates	12-53	350	240	1	30	CE	14.1	5.2	19.9	DB
Polymer Corp Ltd	Gallia, Ont	H. G. Acres	4-53	325	450	1	440	CE	43.3	21.5		DB
Hudson Paper & Paper Corp	Palatka, Fla	J. E. Strine		500	100							
Merck & Co	Danville, Pa	Keary, Vreeland, Carlson & Sweatt	6-53	500	650	2	50	BW	9.0	4.2	13.8	DB
Pure Oil Co	Toledo, Ohio		10-53	500	655	2	45	CE	6.5		40.2	
Appalachian State Teachers	Boone, N. C.		4-51	475	610	1	20	RS				
Bradford Oiling Ass'n	Bradford, R. I.	J. A. Stevens Inc	10-52	475	600	1	80	FW	7.8	4.1	25.5	DB
Nekoosa Edwards Paper Co	Nekoosa, Wis	C. T. Main		475	100	1	110	CE	11.9	9.1		DB
Northwestern Hospital	Norman, Conn	H. E. Argaves & Assoc	1952	475	145	3	35	CE				
Pan American Petro & Transp Co	Texas City, Texas		1953	475	100	2	105	BW	22.5	5.4	30.0	DB
Buckeye Steel Castings	Columbus, Ohio		6-53	450	120	1	70	BW	7.7	3.5		
Diamond Alkali Co	Palmerville, Ohio		6-53	450	149	3	110	Vo	15.0	4.3	32.5	
Freeport Sulphur Co	Tilden Island Bay, La	Gargent & Lundy	11-53	450	455	4	71	BW	7.5	3.1	30.5	
Garco Packing Co	Palmira, N. Y.	L. J. Storzini	1-53	450	450	1	90	RS	10.0	3.8	31.2	
Gepe Div of Remington Co	Lamont, N.Y.		4-53	450	150	1	100	Vo	9.2			DB
McQuay-Norris & Electrode	Madison, Wis	Jack C. Hinds	1-53	450	150	1	40	BW	7.7	2.3	28.0	DB
Mash Mfg. Co	Milwaukee, Wis		12-52	450	150	1	100	MI	5.9	3.8		
N. Carolina State College	Raleigh, N. C.	Pearson & Whitman	1-51	450	150	1	40					
Phelps Petroleum Co	Sweeny, Texas		3-53	450	625	1	125	Vo	11.4	15.7	26.5	
Piquette Rubber Div	Youngstown, Ohio		6-53	450	650	1	150	BW	12.8	7.7	22.7	DB
U. S. Naval Station	Ravena, N. Y.	W. C. Olsen	12-50	450	150	1	70	CE				
U. S. Rubber Corp	Washington, D. C.	Ray B. Pinner	3-53	450	140	3	110	MI	14.2	5.7	22.5	DB
Waukena Paper Co	Waukena, Ala	Rust Eng'g Co	3-52	450	400	1	25	EC	18.3			
Phelps Petroleum Co	Pasadena, Texas		6-52	425	422	2	15	Vo	1.3	9.3	25.3	
U. S. Navy	Laramie, Wyo	Lutz & May	3-53	425	120	1	35		5.4	3.0	27.2	DB
U. S. Navy	Golden City, Kans	Lutz & May	3-53	425	120	1	100	BW	7.7	4.7	27.5	DB
U. S. Navy	Lafayette, Ind	Ferguson Co	1-53	420	150	3	45	BW	6.5	3.0	27.0	DB
U. S. Navy	Milwaukee, Wis	James Weiss & Hamer	3-53	400	600	1	25	MI	3.8	1.2	23.0	
U. S. Navy	Albany, N.Y.		2-53	400	120	1	50	BWG	7.5	2.3		
U. S. Navy	Hampton, Va	Stone & Webster Eng'g Co	1953	400	120	1	50	CE	3.4	5.2	14.3	DB
U. S. Navy	St. George, Va	U. S. Marine Co	1951	350	120	1	25	BWG	3.1			DB
U. S. Navy	Hampton, Va	Engelmaster & Baker	1950	420	120	1	30	BW	3.0			DB
U. S. Navy	Hampton, Va		1950	420	120	1	30	RS	1.0	4.1		DB
U. S. Navy	Hampton, Va	Gargent & Lundy	1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953	350	120	1	30	RS	4.2	4.2	7.4	DB
U. S. Navy	Hampton, Va		1953</									

Compiled by J. C. McCaule, Associate Editor

Company	Location	Consulting Engineers	First operation new units	Nominal pressure, psi	Nominal steam temperature, F	BOILERS			Firing	TURBINES				No. of bleed points	Total boiler capacity, incl new units, 1000 lb	Total generator capacity incl new units, 1000 kw
						Number	Capacity, each, 1000 lb per hr	Manufacturer		Capacity, 1000 kw	Speed, rpm	Manufacturer	Backpressure, psia			
Fisher Bearing Co.	New Britain, Conn.		1953	200	Sat	1	30	B								
General Motors Corp.	McCook, Ill.			200	416	2	150	B								
Greenheck Bros. Brewing Co.	St. Louis, Mo.	Roger-Schmidt		200	360	1	50	Vs								
Hana Sugar Corp.	New Iberia, La.	E. A. Rose	1953	200	Sat	1	34	B								
International Harvester Co.	Chicago, Ill.			200	382	1	60	Vs	TG-168						150	
Jay Mfg. Co.	Statenmont, N. H.	Fraser Bracket & Durgin	7-52	200	Sat	1	23	W							64	
Black & Co.	Atlanta, Ga.	Heath, Vreeland, Carlson & Sweatt	1954	200	425	2	80	BW	G, G						160	
Ware Drydock Co.	Oakland, Calif.	C. E. Bentley	1952	200	Sat	1	30	CE	G, G						33	
Brewer's Breweries, Ltd.	Fairville, N. B.		1951	200	Sat	1	10	FW							18	
Pennsylvania Commonwealth	Slippery Rock, Pa.	Rust Eng'g Co.	1952	200	353	1	25	BW	UF-12						70	
Phillips Petroleum Co.	Goldsmith, Texas		1953	200	353	1	13	Vs	G						91	
Phillips Petroleum Co.	Woods Cross, Utah	Fruor Corp.	10-52	200	450	1	25	UF	G, G						65	
Boeing Co.	Reading, Pa.	Gilbert Assoc.	1952	200	405	1	60	CS	TG-120						120	
L. A. Verne, Calif.			9-51	200	350	1	10	BM	G, G							
Taylor Fire Co.	Columbus, Ohio	C. M. Maratta	1-53	200	366	1	40	BM	TG-120						80	
Tucker's Products Div.	Jacksonville, Ill.		10-52	200	420	2	65	Vs	G, G						130	
Gen. of Buffalo	Buffalo, N. Y.		3-53	200	Sat	1	25	BM	UF						75	
Sanvaco Chem. Div.	S. Charleston, W. Va.	R. M. Parsons	1953	200	Sat	1	17	B	WH							
TO 199 PSI																
Chemical Center	Edgewood, Mo.	Six Assoc.	1953	199	Sat	2	36	B	G						57	0.1
Carolina Teachers	Curtinwood, N. C.		10-52	180	Sat	1	35	BM	SS-195							
General Williams Co. of Canada	Montreal, Que.			176	380	3	5	Cv	Ar							
Edison Portland Cement Co.	Memphis, Tenn.		1952	175	Sat	2	60	BM	G						120	
General Electric Co.	Somersworth, N. H.	Lockwood-Green	1-53	175	Sat	1	28	BM	G						52	
Dye Works Co.	Philadelphia, Pa.		5-52	175	Sat	1	40	BM	G						40	
General Mines, Ltd.	Noranda, Que.			175	525	4	22.5	JL	WH, D	2.6 3.0	3950	CP		1	90	5.6
Energy of Canada, Ltd.	Chalk River, Ont.	C. D. Howe	2-53	171	453	1	50	FW	SS-120						150	
General Electrochemical Co.	Tacoma, Wash.	Burnstead-Woolford	6-53	165	373	1	100	RS	G						232	
Spring Grove State Hospital	Catonsville, Md.	Reedies & Assoc.	11-52	165	Sat	2	60	EC	SS-160						180	
Gen. of Colorado	Boulder, Colo.		1-50	165	Sat	1	33	CE	G, G						117.5	
General Oil Co.	Norwalk, Calif.	R. M. Parsons	6-53	165	Sat	1	4.9	B	WH							
Gen. Buss, Inc.	Barberton, Ohio		1-52	165	337	1	10	BM	SC-142						20	
General Locomotive Co.	Auburn, N. Y.		3-53	160	338	1	15	Ke	UF						60	
Boeing Airplane Co.	Seattle, Wash.	Bouillon & Griffith	1952	160	Sat	2	18	BM	G						36	
		Austin Co.	1953	160	Sat	2	40	BM	G						80	
Boeing Washington College	Ellensburg, Wash.	Bouillon & Griffith	1953	160	Sat	1	25	BM	G						25	
Boeing's Hospital Society	Los Angeles, Calif.	L. Kelly	4-53	160	Sat	2	13.8	BM	G, G						27.5	
Boeing's Orthopedic Hospital	Seattle, Wash.	D. C. Griffith	1952	160	Sat	2	12	BM	G						24	
Boeing Brown Co., Ltd.	Winnipeg, Man.		12-53	160	353	1	20	BMG	G, G						34	
Boeing of Engineers	New Cumberland, Pa.	Kuljian Corp.	11-52	160	366	3	50	EC	TG-128						150	
Boeing of Air Force	San Antonio, Texas	Kuljian Corp.	1953	160	366	2	50	B	G						100	
Boeing of Corrections	Lancaster, Calif.		7-53	160	366	3	27	EC	G, G						51	
Boeing of National Defence	St. Hubert, Que.	Ross, Patterson, Townsend & Fish	11-52	160	353	3	25	FW	UF-181.5						75	
Boeing R. Carolina Sanatorium	Wilson, N. C.	Wiley & Wilson	5-52	160	Sat	1	10.5	EC	UF-152.5						21	
Boeing Auto-Lite Co.	Lafayette, Wis.			160		1	45	BM	SS-127						70	
Boeing Hospital	San Francisco, Calif.	G. M. Simonson	3-53	160	Sat	3	22.7	B	G, G							
Boeing Mills Corp.	Fitzgerald, Ga.	Jack Fanning	11-52	160	Sat	1	8.6	B	G, G							
Boeing Leflore Hospital	Greenwood, Miss.		3-52	160		2	9.7	BM	G						19.4	
Boeing Marine Co.	Helmetta, N. J.	A. M. Kinney	8-53	160	Sat	3	18	BM	G						54	
Boeing Refractories, Ltd.	Saskatoon, Sask.	F. Robin	11-52	160	371	1	25	W	G						56	
Boeing Hospital	Holyoke, Mass.	Alderman & MacNeish	12-52	160	Sat	1	10	B	G							
C. A. B. Jones, Inc.	New Haven, Conn.		6-53	160	Sat	1	27	B	G							
Boeing-Prairie Corp.	Detroit, Mich.		1951	160	Sat	3	20	EC	G, G						60	
Boeing Grain Co.	Danville, Ill.	Nelson & Nettin	7-53	160	Sat	1	30	B	TG-150						130	
Boeing Hospital	Oakland, Calif.		8-52	160	Sat	1	17	B	G, G							
Boeing University	Oxford, Ohio	Fosdick & Milne	1-52	160		3	15	Vs	UF-128						110	
Boeing Base of Air Station	San Diego, Calif.	F. J. Mice	6-53	160	371	4	28.5	Vs	G, G						114	
Boeing Bristol Co.	Niagara Falls, N. Y.		10-53	160	Sat	1	50	BM	G, G						95	
Boeing Buss Inc.	Stamford, Conn.	Westcott & Mages	7-52	160	Sat	1	10	B	G							
Boeing School for Boys	Paso Robles, Calif.	C. Smyth	1-53	160	345	1	10	B	G						45	
Boeing River Board of Education	Rocky River, Ohio		4-53	160		1	10	BM	G, G							
Boeing's Hospital	Fairbanks, Alaska			160		1	6.5	EC	G						10	
Boeing's Hospital	Phoenix, Ariz.	G. E. Quick	5-53	160	Sat	1	8	BM	G, G							
Boeing's Hospital	Wichita, Kan.	C. W. LeVelle	4-51	160	430	1	120	EC	G, G						160	
Boeing Mercy Hospital	Dubuque, Iowa		1-52	160		1	20	WB	TG-141.6						45	
Boeing Memorial Hospital	Galt, Ont.	H. H. Angus	8-53	160	371	1	12.5	BM	G-164						25	
Boeing Texas State Teachers	San Marcos, Texas	H. Smyth		160	363	2	18	EC	G						36	
Boeing Co.	Ponchartraine, Texas		7-53	160	361	1	60	EC	G, G						240	
Boeing and Training Center	San Diego, Calif.	M. A. Niskwar	1-53	160	366	1	37.5	Vs	G						137.5	
Boeing R. Carolina Sanatorium	Black Mt., N. C.	Six Assoc.	9-52	160	Sat	1	18	EC	UF-153						31	

UF — Union Iron Works
V — Vickers-Miller
W — Wickes Boiler Co.

WB — Wickes Boiler & Mfg. Co.
WE — Westinghouse Electric Corp.
WH — Waste heat
W — Wickes Boiler Co.

W — Worthington Corp.
(120) — Slower grate area, sq ft

1 — Bagasse
2 — Future bituminous coal
3 — Design pressure 700 psi.

Government-Agency Hydroelectric Plan

(Does not include municipal plants)

Government agency	Project	State or Possession	River	Ultimate capacity, hp	Initial capacity, hp	Installed capacity, hp	On order or being installed, hp
J. S. Bureau of Reclamation	Eklutna	Alaska	Lake Eklutna	50,000	50,000		50,000
	Grand Coulee	Wash.	Columbia	1,102,000	538,000	3,102,000	
	Hungry Horse	Mont.	So. Fork Flathead	429,000	420,000	210,000	210,000
PUD No. 1, Chelan County	Rock Island	Wash.	Columbia	288,000	84,000	34,000	204,000
	Bonneville	Ore. & Wash.	Columbia	729,000	137,000	729,000	
	Big Cliff	Ore.	North Santiam	26,500	26,500		26,500
	Lookout Point	Ore.	Mid. Fk. Willamette	157,500	157,500		157,500
	Detroit	Ore.	North Santiam	140,000	140,000		140,000
J. S. Corps of Engineers	Dexter	Ore.	Mid. Fk. Willamette	20,700	20,700		20,700
	Chief Joseph	Wash.	Columbia	2,700,000	1,000,000		1,000,000
	Dalles	Ore. & Wash.	Columbia	2,723,500	1,733,200		1,733,200
	McNary Dam	Ore. & Wash.	Columbia	2,225,000	1,567,200		1,567,200
	Albeni Falls	Idaho	Pend Oreille	58,800	58,800		58,800
PUD No. 1, Pend Oreille County	Box Canyon	Wash.	Pend Oreille	122,500	98,000		98,000
	Anderson Ranch	Idaho	Boise	55,500	37,000	37,000	
	Minidoka	Idaho	S Snake	26,500	9,000	19,500	
J. S. Bureau of Reclamation	Palisades	Idaho	S Snake	158,000	158,000		158,000
	Shasta	Calif.	Sacramento	522,000	419,000	522,000	
	Keswick	Calif.	Sacramento	102,000	102,000	102,000	
	Folsom	Calif.	American	225,000	225,000		225,000
Imperial Irrigation District	Drop No. 4	Calif.	All Am. Canal	28,300	13,300	28,300	
	Parmer Dam	Ariz. & Calif.	Colorado	160,000	120,000	160,000	
	Davis Dam	Ariz. & Calif.	Colorado	311,000	311,000	311,000	
	Hoover Dam	Ariz. & Nev.	Colorado	1,457,000	522,000	1,742,000	
	Elegant Butte	N. M.	Rio Grande	34,500	34,500		
	Green Mountain	Colo.	Blue	30,000	30,000	30,000	
	Palisades	Colo.	Colo. Big Thompson	53,000	53,000	53,000	
U. S. Bureau of Reclamation	Pole Hill	Colo.	Colo. Big Thompson	47,500	47,500		47,500
	Flatiron	Colo.	Colo. Big Thompson	108,000	108,000		108,000
	Kortis	Wyo.	North Platte	55,500	55,500	55,500	
	Boysen	Wyo.	Big Horn	21,300	21,000	21,000	
	Alicova	Wyo.	North Platte	53,000	53,000		53,000
	Seminole	Wyo.	North Platte	45,000	45,000		
	Canyon Ferry	Mont.	Missouri	70,500	70,500		70,500
U. S. Corps of Engineers	Fort Peck	Mont.	Missouri	150,000	70,000	120,000	
Platte Valley Public Pr. & Irr. Dist.	Sutherland	Neb.	North Platte	35,000	35,000	35,000	
Loup River Public Power District	Columbus	Neb.	Loup	54,000	54,000	54,000	
Central Neb. Public Pwr. & Irr. Dist.	Jeffery Canyon	Neb.	Platte	26,000	26,000	26,000	
	Johnson No. 1	Neb.	Platte	26,000	26,000	26,000	
	Johnson No. 2	Neb.	Platte	50,000	25,000	25,000	
	Fort Randall	S. D.	Missouri	460,000	460,000		460,000
	Oahe	S. D.	Missouri	485,000	194,000		
	Garrison	N. D.	Missouri	440,000	440,000		440,000
	Gavins Point	S. D. & Neb.	Missouri	162,000	162,000		162,000
U. S. Corps of Engineers	St. Mary's Falls	Mich.	St. Mary's	72,750	23,925	23,925	
	Norfolk	Ark.	North Fork	168,000	42,540	84,540	
	Blakeley Mountain	Ark.	Ouchita	104,000	104,000		104,000
	Bull Shoals	Ark.	White	419,000	211,000	211,000	
	Table Rock	Ark.	White	272,000	272,000		
	Narrows	Ark.	Little Missouri	36,000	24,000	24,000	
Grand River Dam Authority	Pensacola Dam	Okla.	Grand	120,750	80,750	120,750	
	Fort Gibson	Okla.	Grand	96,000	54,000		64,000
U. S. Corps of Engineers	Tenmile Ferry	Okla.	Illinois	47,000	47,000		47,000
	Dennison Dam	Okla. & Texas	Red	282,080	56,380	114,080	
Lower Colorado River Authority	Buchanan Dam	Texas	Colorado	51,900	34,600	51,900	
	Marshall Ford	Texas	Colorado	90,000	90,000	90,000	
	Granite Shoals	Texas	Colorado	66,000	66,000	66,000	
	Marble Falls	Texas	Colorado	42,000	42,000	42,000	
Brazos River Conserv. & Reclam. Dist.	Possum Kingdom	Texas	Brazos	51,000	34,000	34,000	
International Boundary & Water Comm.	Falcon Dam	Texas & Mex.	Rio Grande	88,500	88,500		88,500
J. S. Corps of Engineers	Whitney Dam	Texas	Brazos	41,400	41,400		41,400
	Wolf Creek	Ky.	Cumberland	377,000	377,000	188,500	188,500
	Kentucky	Ky.	Tennessee	220,000	176,000	220,000	
	Pickwick	Tenn.	Tennessee	302,000	36,000	302,000	
	Wilson	Ala.	Tennessee	510,000	206,000	610,000	
	Wheeler	Ala.	Tennessee	360,000	30,000	360,000	
	Juntersville	Ala.	Tennessee	141,000	102,000	141,000	
	Jales Bar	Tenn.	Tennessee	40,000	27,000	140,000	
	Chickamauga	Tenn.	Tennessee	144,000	108,000	144,000	
	Matts Bar	Tenn.	Tennessee	210,000	126,000	210,000	
	Norris	Tenn.	Clinch	132,000	132,000	132,000	
	Fort Loudoun	Tenn.	Tennessee	176,000	38,000	176,000	
Tennessee Valley Authority	Cherokee	Tenn.	Holston	66,000	33,000	166,000	
	Douglas	Tenn.	French Broad	154,000	33,000	118,500	35,500
	South Holston	Tenn.	South Holston	49,500	49,500	49,500	
	Elk River	Tenn.	So. Fork Holston	50,000	50,000		50,000
	Boone	Tenn.	So. Fork Holston	103,500	103,500	103,500	
	Wautauga	Tenn.	Wautauga	99,000	99,000	99,000	
	Fontana	N. C.	Little Tennessee	274,500	183,000	274,500	
	Apalachia	Tenn.	Hawessee	106,000	106,000	106,000	
	Hawessee	N. C.	Hawessee	160,000	80,000	80,000	80,000
	Nottely	Ga.	Nottely	22,000	22,000	22,000	
	Ocoee No. 3	Tenn.	Ocoee	33,500	33,500	33,500	
	Ocoee No. 2	Tenn.	Ocoee	25,000	25,000	25,000	
	John H. Kerr	Va. & N. C.	Roanoke	290,000	290,000	145,000	145,000
	Center Hill	Tenn.	Carney Fork	88,750	88,750		88,750
	Dale Hollow	Tenn.	Ohey	15,000	15,000		15,000
U. S. Corps of Engineers	Old Hickory	Tenn.	Cumberland	180,000	180,000		180,000
	Antitona	Ja.	Edwan	152,000	152,000	102,000	
	Butard	Ja.	Chattahoochee	118,400	118,400		118,400
	Jim Woodruff	Fla.	Chattahoochee	42,000	42,000		42,000
	Clark Hill	Ja. & S. C.	Savannah	188,500	188,500		188,500
S. Carolina Public Service Authority	Santee-Cooper	S. C.	Santee	215,720	173,000	173,720	
Greenwood County Board of Comm.	Buzzards	S. C.	Savannah	30,000	22,200	22,200	
Total Capacity				25,561,525	15,513,900	13,256,700	8,263,030

NOTE: Because of space limits, 15 plants of 20,000-hp capacity and below, totaling 1,900,000-hp, have been omitted.