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SOLAR THERMAL SMALL POWER SYSTEMS STUDY

Inventory of U. S. Industrial Small Electric Power Generating Systems

June 1, 1979

Work Performed Under Contract No. ET-78 C-03-2226

MASTER

Energy Systems Directorate
Energy and Resources Division
The Aerospace Corporation
Los Angeles, California

U.S. Department of Energy

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Solar Energy

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SMALL POWER SYSTEMS STUDY

INVENTORY OF U.S. INDUSTRIAL SMALL ELECTRIC POWER
GENERATING SYSTEMS

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Prepared for
DIVISION OF CENTRAL SOLAR TECHNOLOGY
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Prepared by
Energy Systems Directorate
Energy and Resources Division
THE AEROSPACE CORPORATION
Post Office Box 92957
Los Angeles, California 90009

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FOREWORD

This Topical Report, ATR-79(7780)-1, presents an inventory of U.S. fossil-fueled, industrial electric generating systems of less than 10 MW_e rated capacity. These data are presently being used to support solar thermal electric power system mission analyses conducted by The Aerospace Corporation as part of its Phase II Small Power Systems (SPS) Study. A companion document containing an inventory of small generating units in electric utilities was issued during the Phase I SPS Study. This report, "Small Power Systems Study, Technical Summary Report, Volume II: Inventory of Small Generating Units in U.S. Utility Systems", was published as Aerospace Report No. ATR-78(7693-05)-1, Volume II, on 31 May 1978.

INTRODUCTION

This inventory of small industrial electric generating systems was assembled by The Aerospace Corporation to provide a data base for analyses being conducted to estimate the potential for displacement of these fossil-fueled* systems by solar thermal electric systems no larger than 10 MW_e in rated capacity. The approximately 2100 megawatts generating capacity of systems in this category constitutes a potential market for small solar thermal and other solar electric power systems. Analyses of potential solar thermal power systems market penetration in both utility and industrial applications, and the estimated impact of commercialization strategies on enhancing penetration will be available in a forthcoming Program Summary Report, Aerospace Report No. ATR-79(7780)-2.

The sources of data for this inventory were the (former) Federal Power Commission (FPC) Form 4 Industrial Ledger and Form 12-C Ledger for 1976. The current repository for such information is the Energy Information Agency (EIA) within the U.S. Department of Energy. Discussions with the EIA staff have revealed that these ledgers probably do not include all the small industrial generating systems throughout the country. Therefore, this inventory should be considered as a useful reference, rather than as an all-encompassing listing. It is noted in succeeding paragraphs that information on the number of power units, the industrial classification, and the operational status of many of the listed systems is also incomplete. However, within the resources available for conducting the study of small solar electric power systems, it was not feasible to contact all of the operators of industrial generating systems to either expand or refine the data base.

* Hydroelectric power generating systems were excluded from the inventory.

Table 1 alphabetically lists generating systems located at industrial plants and at federal government installations in each of the 50 states. These systems are differentiated by type of power plant: steam turbine, diesel generator, or gas turbine. Each listing is designated as a power system rather than a power unit because the FPC Ledgers do not provide a means of determining whether more than one unit is associated with each industrial installation. Hence, the user should consider each listing to be a system capacity rating wherein the system may consist of one or more generating units with less than 10 MW_e combined rating.

The FPC Form 12-C Ledger lists the Standard Industrial Classification (SIC) code number^{*} for each generating system, whereas the Form 4 Ledger does not provide this information. This accounts for the lack of such data for a large number of listings in Table 1.

Some of the systems in the FPC ledgers do not generate any energy during the reporting year. These systems have been identified in the inventory by an asterisk and the footnote "No Operations" appended to the table. No means is provided in the FPC Form 12-C Ledger to determine whether these particular units were on standby status, were down for repair, have been abandoned or dismantled, or did not operate for other reasons.

Table 2 of this report summarizes by state the number of generating units of each type, e.g., steam turbine, and their total generating capacity in kilowatts. The number and capacity of non-operating units are listed separately in parentheses and subsequently included in the total number of systems and total rated capacity for each state and for the entire U.S.

Texas leads all states in total number of small industrial power systems and power generation capacity. Almost half of all diesel power systems and diesel power generation is found in this state. The majority of these systems provide power for companies engaged in the processing of natural gas liquids from underground reservoirs.

* Standard Industrial Classification Manual, Statistical Policy Division, Office of Management and Budget, Executive Office of the President, 1972.

Louisiana is ranked second in total number of small industrial power systems and fifth in total power generation. As with Texas, natural gas processing is the prime application of small power systems.

Other leading states are found primarily along the Northern East Coast and clustered about the Great Lakes Region, which traditionally has a high concentration of manufacturing firms and heavy industry. In order of decreasing rank by generating capacity, these states are Ohio, Michigan and Wisconsin followed by Pennsylvania, New York, Oregon, Massachusetts and New Jersey. The majority of small industrial power systems in these eight states are steam power systems and, when combined with those in Texas and Louisiana, represent about one-half of the small steam power in industry in the U.S. Steam power is the largest nationwide segment of industrial generating capacity and constitutes about 84 percent of the total U.S. small power generation in industry.

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States

STATE/COMPANY	PLANT	SIC	UNITS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Alabama</u>					
Gulf States Paper Corp.	Demopolis	- -	9,375	- -	- -
Hammermill Paper Co.	Selma	- -	9,375	- -	- -
Jim Walter Resources Inc.	Central Power *	- -	9,000	- -	- -
Phillips Petroleum Corp.	Chatom	1321	- -	1,500	- -
Republic Steel Corp.	Birmingham	- -	6,000	- -	- -
U.S. Steel Corp.	Ensley Works	- -	10,000	- -	- -
<u>Alaska</u>					
Ketchikan Pulp Co.	Ketchikan *	- -	- -	750	- -
Phillips Petroleum Corp.	Kenai	1321	- -	350	- -
Phillips Petroleum Corp.	North Cook	1321	- -	2,000	- -
Shell Oil Co.	Sp. Cook Inlet	- -	- -	4,260	- -
<u>Arizona</u>					
Apache Powder Co.	Benson	2892	250	400	- -
Asarco Inc.	Hayden *	3331	4,000	- -	- -
Kennecott Copper Corp.	Hayden	- -	10,000	- -	- -

* No Operations

Table 1. Identification of Small (≤ 10 MW_e) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Arizona (continued)</u>					
Kennecott Copper Corp.	Smelter	- -	7,500	- -	- -
Phelps Dodge Corp.	Junction P.I.	- -	- -	4,200	- -
Spreckels Sugar Co.	Chandler	- -	5,000	- -	- -
<u>Arkansas</u>					
Arkansas Louisiana Gas Co.	Arkansas Cement	- -	- -	7,920	- -
Arkla Chemical Corp.	Hamilton	1321	150	- -	- -
Bradley Southern Division	Bradley	2421	7,250	1,000	- -
Potlatch Forests Inc.	Bradley	- -	- -	1,000	- -
Potlatch Forests Inc.	Bradley *	- -	3,750	- -	- -
Potlatch Forests Inc.	Southern	- -	2,500	- -	- -
The Singer Co.	Truman *	2499	1,500	- -	- -
Weyerhaeuser Co.	Mt. Pine	2421	1,500	- -	- -
<u>California</u>					
American Crystal Sugar Co.	Clarksburg	2063	2,500	- -	- -
Armco Steel Corp.	Torrance *	3533	500	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>California</u> (continued)					
Belridge Oil Co.	Belridge 6	- -	- -	3,200	- -
Belridge Oil Co.	Belridge 8	- -	- -	2,000	- -
Collins Pine Co.	Chester	2421	4,500	- -	- -
Consolidated Food Corp.	Betteravia	2063	4,000	- -	- -
Fibreboard Products Inc.	Stockton	- -	8,000	- -	- -
Holly Sugar Corp.	Dyer	2063	1,500	- -	- -
↓	Carlton	2063	3,000	- -	- -
	Hamilton City	2063	750	- -	- -
Holly Sugar Corp.	Tracy	2063	6,000	- -	- -
International Paper Co.	Weed Division*	2400	4,500	- -	- -
Kimberly Clark Corp.	Anderson	2421	3,000	- -	- -
Marathon Oil Co.	S. Coles Levee	1321	- -	1,000	- -
Owens Corning Fiberglass	Santa Clara*	3296	- -	1,000	- -
Spreckels Sugar Co.	Spreckels	- -	8,375	- -	- -
Spreckels Sugar Co.	Mendota	2063	4,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>California</u> (continued)					
Spreckels Sugar Co.	Manteca No. 2	2063	5,000	- -	- -
Spreckels Sugar Co.	Woodland	2063	3,050	- -	- -
Standard Oil Co. of Calif.	Richmond Refinery *	- -	- -	60	- -
Standard Oil Co. of Calif.	Taft *	1311	250	940	- -
U.S. Plywood Corp.	McCloud	- -	3,500	- -	- -
<u>Colorado</u>					
American Crystal Sugar Co.	Rocky Ford	2063	3,500	- -	- -
Adolph Coors Co.	Golden	- -	4,000	- -	- -
Gates Rubber Co.	Gates Rubber	- -	5,000	- -	- -
Gates Rubber Co.	Gas Turbine	- -	- -	- -	5,000
Great Western Sugar Co.	Brighton	2063	1,500	- -	- -
↓	Fort Morgan	2063	3,000	- -	- -
	Johnstown *	2063	3,250	- -	- -
	Longmont	2063	3,500	- -	- -
	Great Western Sugar Co.	Loveland	2063	3,000	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Colorado (continued)</u>					
Great Western Sugar Co.	Ovid	2063	2,600	--	--
Great Western Sugar Co.	Sterling	2063	660	--	--
Holly Sugar Corp.	Delta	2063	2,500	--	--
Union Carbide Corp.	Uravan	1094	500	--	--
Union Carbide Corp.	Uravan*	1094	--	100	--
<u>Connecticut</u>					
Anaconda American Brass	Ansonia Br.*	--	2,100	--	--
Federal Paper Board Co.	Sprague	--	9,375	--	--
Frismer, Inc.	Higganum*	3955	--	210	--
General Dynamics Corp.	Groton*	3731	--	2,005	--
The Pond Lily Co.	Plant A*	2261	450	200	--
Simkins Industries	New Haven	--	3,500	--	--
Stanley Works	New Britain*	3423	750	--	--
Terry Steam Turbine Co.	Windsor*	3511	--	100	--
Terry Steam Turbine Co.	Windsor	3511	1,750	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW_e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Delaware</u>					
Allied Chemical Corp Ind Chem	Delaware	- -	6,500	- -	- -
<u>Florida</u>					
Exxon Co. USA	Blackjack Creek	1321	- -	1,500	- -
Florida Hydrocarbon Co.	Brooker	1321	- -	4,500	- -
Gardinier Inc.	East Tampa *	- -	- -	225	- -
Gulf & Western Food Prod.	South Bay	2061	5,000	- -	- -
H.P. Hood & Sons	Florida Div. *	2033	1,250	- -	- -
Lykes Pasco Packing Co.	Dade City	2037	2,500	- -	- -
Tenneco Chemicals, Inc.	Pensacola	2861	1,500	- -	- -
Tenneco Chemicals, Inc.	Telogia	2861	1,250	- -	- -
U.S. Sugar Corp.	Clewiston	- -	6,500	- -	- -
<u>Georgia</u>					
Burns Brick Co.	Macon	3251	- -	1,500	- -
Celanese Corp. of America	Rome	- -	5,900	- -	- -
Georgia Kraft Co.	Macon *	- -	- -	400	- -

* No Operations

Table 1. Identification of Small (≤ 10 MW_e) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Georgia</u> (continued)					
Gilman Paper Co.	St. Marys*	--	--	125	--
Hercules Powder Co.	Brunswick	--	6,000	--	--
Interstate Paper Corp.	Riceboro	--	9,375	--	--
Savannah Sugar Refining Co.	Savannah	--	6,700	--	--
West Point Pepperell Inc.	Lindale	--	6,000	--	--
<u>Hawaii</u>					
Calif. Hawaiian Sugar Refinery	Aiea	-	2,000	--	--
Dole Corporation	Lanai City	--	--	2,780	--
Hawaiian Com'l. & Sugar Co.	Paia	--	8,000	--	--
Hilo Coast Processing Co.	Wainaku Factory	2061	500	--	--
Hilo Coast Processing Co.	Papaikou	2061	1,750	--	--
Honokaa Sugar Co.	Honokaa	--	7,500	--	--
Kaou Sugar Co.	Pahala	--	3,000	300	--
Kekaha Sugar Co.	Kekaha	--	6,500	--	--
Laupahoehoe Sugar Co.	Ookala Factory	--	6,000	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TUREINES
<u>Hawaii</u> (continued)					
Olokele Sugar Co.	Kaunakau [*]	- -	750	- -	- -
Olokele Sugar Co.	Kaunakau	- -	2,000	900	- -
Wailuku Sugar Co.	Wailuku	2061	1,500	- -	- -
<u>Idaho</u>					
Amalgamated Sugar Co.	Rupert	- -	5,500	- -	- -
Amalgamated Sugar Co.	Twin Falls	2063	4,000	- -	- -
Boise Cascade Corp.	Mill B	- -	2,000	- -	- -
Pet Incorporated	Buhl [*]	2023	400	- -	- -
Potlatch Forests, Inc.	Coeur D Alene [*]	2421	1,750	- -	- -
	Lewiston	- -	10,000	- -	- -
Potlatch Forests, Inc.	Potlatch [*]	- -	3,000	- -	- -
Utah Idaho Sugar Co.	Lincoln Sugar	2063	3,750	- -	- -
<u>Illinois</u>					
American Steel Foundries	Granite City [*]	3323	700	- -	- -
Apple River Chemical Co.	East Dubuque	2819	2,000	1,500	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Illinois</u> (continued)					
Bemis Co., Inc.	Peoria	- -	3,750	- -	- -
Campbell Soup Co.	Chicago *	2033	1,000	- -	- -
The Celotex Co.	Quincy	- -	5,150	- -	- -
Columbia Quarry Co.	Krause No. 1	1421	- -	1,916	- -
Deere & Co.	Harvester	- -	10,000	- -	- -
Elliott Paint & Varnish Co.	Chicago *	3411	- -	700	- -
Federal Paper Board Co.	Morris *	- -	4,600	- -	- -
General Motors Corp.	Lagrange	- -	- -	9,600	- -
Granite City Steel Co.	Granite *	- -	- -	300	- -
International Harvester	Canton *	3522	2,000	- -	- -
Johns Manville Corp.	Waukegan	3292	6,143	- -	- -
Laclede Steel Co.	Alton *	3312	- -	650	- -
Laclede Steel Co.	Madison *	3312	- -	100	- -
Olin Corp.	East Alton	- -	7,000	- -	- -
Olin Corp.	Joliet *	2819	- -	680	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Illinois</u> (continued)					
Page Engineering Co.	McCook*	3531	- -	1,000	- -
Pet Incorporated	Greenville*	2023	625	- -	- -
Proctor & Gamble Mfg. Co.	Chicago	2841	500	- -	- -
Produce Terminal Corp.	Chicago	- -	5,000	- -	- -
Quaker Oats Co.	Pekin	2621	1,500	- -	- -
U. S. Government	R.I. Arsenal	- -	- -	955	- -
U. S. Tobacco Co.	Franklin Park	2131	1,240	- -	- -
Hiram Walker & Sons, Inc.	Peoria	- -	7,000	- -	- -
<u>Indiana</u>					
Beveridge Paper Co.	Indianapolis	2621	1,000	- -	- -
Central Soya Co.	Decatur	2092	4,000	- -	- -
Colgate Palmolive Co.	Clarksville	2841	3,000	500	- -
Container Corp of America	Wabash Division	2621	4,000	- -	- -
General Motors Corp.	Allison	- -	- -	2,405	- -
Harrison Steel Castings	Attica*	3323	200	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Indiana (continued)</u>					
Indiana Gas Chemical Corp	Terre Haute	3312	600	- -	- -
Eli Lilly & Co.	Indianapolis	2834	2,500	- -	- -
Mead Johnson & Co.	Evansville	2834	750	- -	- -
National Starch & Chemical Co.	Indianapolis	- -	7,500	- -	- -
Tell City Chair Co.	Tell City *	2511	300	- -	- -
Western Paper & Mfg Co.	Terre Haute *	2621	2,500	- -	- -
<u>Iowa</u>					
E. I. DuPont DeNemours Co.	Clinton	- -	7,500	- -	- -
Packaging Corp. of America	Tama	2621	1,740	- -	- -
Penick & Ford Ltd.	Cedar Rapids	- -	10,000	- -	- -
The Rath Packing Co.	Waterloo	- -	5,125	- -	- -
<u>Kansas</u>					
Amoco Production Co.	Ulysses Gas	1321	- -	2,550	- -
Carey Salt Co.	Power	2899	3,750	- -	- -
Cities Service Helex Inc.	Jayhawk	2813	2,000	300	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Kansas (continued)</u>					
Colorado Interstate Gas Co.	Lakin	1321	- -	1,128	- -
Columbian Carbon Co.	Hickok *	2895	- -	634	- -
Mobil Oil Corp.	Hickok GP	1321	- -	900	- -
Northern Nat. Gas Co.	Holcomb	1321	- -	750	- -
Packaging Corp. of America	Hutchinson	- -	2,500	- -	- -
Page Milk Co.	Coffeyville	2023	100	240	- -
Phillips Petroleum	Greenwood	1321	- -	1,400	- -
Proctor & Gamble	Kansas City	2841	2,000	- -	- -
Skelly Oil Co.	Medicine Lodge	1321	- -	825	- -
U.S. Gov't Penitentiary	Leavenworth *	9189	2,000	- -	- -
U.S. Steel Corp.	Independence	- -	4,000	- -	- -
U.S. Steel Corp.	Independence *	- -	- -	1,060	- -
<u>Kentucky</u>					
Allied Chemical Corp-SMT-SLV	Ashland	- -	5,000	- -	- -
Falls City Brewing Co.	Louisville	2082	2,000	- -	- -

* No Operations

Table 1. Identification of Small (≤ 10 MW_e) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Kentucky</u> (continued)					
Pet Incorporated	Bowling Green *	2023	570	- -	- -
J.E. Seagram & Sons, Inc.	Louisville	- -	1,750	- -	- -
<u>Louisiana</u>					
Amoco Production Co.	S. Thornwell	1321	- -	450	- -
↓	S. Jennings	1321	- -	400	- -
Amoco Production Co.	S. Pecan Lake	1321	- -	700	- -
Amstar Corp.	Chalmette	- -	9,000	- -	- -
J. Aron Co., Inc.	Supreme *	2000	3,250	- -	- -
Colonial Sugar Co.	Gramercy	2062	5,750	- -	- -
Continental Oil Co.	Acadia	1321	800	2,640	- -
Diamond Crystal Salt	Jefferson Island	1476	1,000	- -	- -
Dugas & Leblanc, Ltd.	Westfield *	2061	600	- -	- -
Exxon Co., USA	Garden City	1321	1,800	- -	- -
↓	Garden City, GT	1321	750	- -	- -
Exxon Co., USA	Grand Island	1321	- -	900	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
Louisiana (continued)					
Exxon Co., USA	Lirette	1321	2,500	--	--
Exxon Co., USA	Opelousas	1321	--	570	--
Freeport Minerals Co.	Garden Isle Bay	1477	1,420	--	--
↓	Grand Isle	--	4,500	--	--
	Grand Isle*	--	--	1,100	--
	Great Ecaille	--	5,650	1,655	--
Freeport Minerals Co.	Lake Pelto	1477	600	700	--
Getty Oil Co.	Venice Gas*	1321	--	943	--
Godchaux Henderson Co.	Reserve	--	5,250	--	--
Iberia Sugar Corp.	New Iberia	2061	2,000	--	--
International Paper Co.	Bastrop	--	4,000	--	--
International Salt Co.	Avery Mine	1476	750	--	--
Harry L. Laws & Co., Inc.	Cinclare	2061	1,700	--	--
Lula Corp.	Lula Factory*	2061	1,000	--	--
Marathon Oil Co.	Cotton Valley	1321	--	2,030	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)			
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES	
<u>Louisiana (continued)</u>						
Roy O. Martin Industries	Alexandria	2421	3,500	- -	- -	
Kerr McGee Corp.	Dubach	1321	1,400	450	- -	
Mobil Oil Corp.	Cow Island	1321	1,200	- -	- -	
↓	East Camron 64A	1321	- -	150	- -	
	East Camron 280	1321	- -	60	- -	
	East Camron 33A	1321	- -	400	- -	
	East Camron BK11	1321	- -	80	- -	
	East Camron 257	1321	- -	80	- -	
	Engine I Block 120	1321	- -	1,200	- -	
	Engine I Block 129	1321	- -	300	- -	
	Eugene Island BK51	1321	- -	80	- -	
	Main Pass BK46A	1321	- -	15	- -	
	Main Pass BK6A	1321	- -	400	- -	
	Main Pass BK6B	1321	- -	60	- -	
	Riverside	1321	- -	1,620	- -	
	Mobil Oil Corp.	Vermillion B215	1321	- -	400	- -

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Louisiana (continued)</u>					
Mobil Oil Corp.	Vermilion BK46	1321	- -	80	- -
↓	Vermilion BK131	1321	- -	250	- -
Mobil Oil Corp.	West Camron BK11	1321	- -	150	- -
Phillips Petroleum	OCS G 2048	1321	- -	400	- -
Reichhold Chemicals Inc.	Oakdale	2861	1,500	- -	- -
St. Marys Sugar Corp., Inc.	Jeanerette *	2061	800	- -	- -
Smith Coast Corp.	Franklin	2061	250	- -	- -
↓	Mathews *	2062	2,000	- -	- -
Smith Coast Corp.	Raceland *	2061	750	- -	- -
Southdown Lands Inc.	Southdown Refinery	2062	4,000	- -	- -
Stauffer Chemical Co.	Baton Rouge	- -	5,000	- -	- -
Texaco Inc.	Henry Gas *	- -	- -	150	- -
↓	Floodway Gas	2911	- -	660	- -
Texaco Inc.	Paradis	1321	- -	1,200	- -
Urania Lumber Co. Ltd.	Urania *	2421	1,500	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Maine</u>					
Forster Mfg. Co., Inc.	Mattawamkeag	3900	1,750	- -	- -
International Paper Co.	Otis	- -	8,000	- -	- -
W. S. Libbey Co.	Lewiston	2211	382	- -	- -
Maine Sugar Industries	Easton*	2063	7,250	- -	- -
Pejepscot Paper Co.	Pejepscot*	2621	3,125	- -	- -
St. Regis Paper	Bucksport	- -	5,000	- -	- -
USN-Portsmouth Navy Yard	Kittery	- -	8,750	- -	- -
USN-Portsmouth Navy Yard	Kittery*	- -	- -	600	- -
<u>Maryland</u>					
Aberdeen Proving Ground	Aberdeen*	3489	300	400	- -
Kelly Springfield Tire Co.	Cumberland*	3000	2,500	- -	- -
Kimball Tyler Co.	Baltimore*	2445	250	- -	- -
U.S. Government	Indian Head	- -	10,000	- -	- -
U.S. Naval Res. Lab	USNRL CBD*	9189	- -	500	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Massachusetts</u>					
American Optical Co.	Southbridge	- -	8,000	- -	- -
Amstar Corp.	Boston	- -	5,000	800	- -
Bird & Son Inc.	E. Walpole	--	9,880	- -	- -
Boott Mills	Lowell*	- -	4,250	- -	- -
Byron Weston Co., Inc.	Dalton	2621	4,600	- -	- -
Crane Co.	All Plants*	2621	500	- -	- -
Cranston Print Works Co.	Webster*	2261	2,325	- -	- -
Davis & Furber Machine Co.	North Andover*	3552	600	- -	- -
Eastman Gelatin Corp.	Peabody	2891	7,125	- -	- -
Esleeck Mfg. Co.	Turners Falls*	2621	300	- -	- -
Fitchburg Paper Co.	Fitchburg	- -	1,500	- -	- -
Gillette Safety Razor Co.	Boston	3421	10,000	- -	- -
Haverhill Paperboard Corp.	Haverhill	- -	4,625	- -	- -
Heywood Wakefield Co.	Gardner	- -	1,031	- -	- -
Lawrence Paperboard Corp.	Lawrence Division	2625	3,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Massachusetts</u> (continued)					
Norton Co.	C. St. Power	- -	6,000	- -	- -
Revere Sugar Refinery	Charlestown	- -	3,340	- -	- -
Rochester Paper Co.	Adams	2621	750	- -	- -
Strathmore Paper Co.	Turners Fls.	- -	750	- -	- -
Strathmore Paper Co.	Woronco	- -	4,500	- -	- -
USMC Machinery Div.	Beverly	- -	8,250	- -	- -
Westinghouse Electric Corp.	Hyde Park	3632	125	- -	- -
<u>Michigan</u>					
Abitibi Corp.	Insl. Hdbd.	- -	6,250	- -	- -
Allied Paper Inc.	Bryant	- -	3,500	- -	- -
Cliffs Elec. Serv. Co.	Diesel	- -	- -	10,000	- -
Cliffs Elec. Serv. Co.	Ishpeming	- -	7,500	- -	- -
Diamond Crystal Salt Co.	St. Clair	2899	4,000	- -	- -
Everett Piano Co.	South Haven	3931	450	- -	- -
Fletcher Paper Co.	Alpena	- -	2,500	- -	- -
General Foods Corp.	Battle Creek	2043	2,500	- -	- -

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Michigan (continued)</u>					
General Motors Corp.	Chev. Gear A.	- -	7,500	- -	- -
Georgia Pacific Corp.	Kalamazoo *	- -	- -	600	- -
Hardy Salt Co.	Manistee	2899	1,500	- -	- -
Hercules, Inc.	Harbor Beach	2818	3,500	- -	- -
Kellogg Co.	Battle Creek	- -	3,750	- -	- -
Kimberly Clark Corp.	Munising	- -	5,000	- -	- -
McClouth Steel Corp.	Trenton	3312	4,000	- -	- -
Mead Paperboard Products	Otsego	- -	7,000	- -	- -
Menisha Corp.	Otsego	2600	4,000	- -	- -
Menominee Paper Co., Inc.	Menominee	2631	4,000	- -	- -
Michigan Sugar Co.	Caro *	2063	1,000	- -	- -
↓	Croswell *	2063	1,200	- -	- -
Michigan Sugar Co.	Sebewaing *	2063	1,250	- -	- -
Monitor Sugar Co.	Monitor Sugar *	2063	1,750	- -	- -
Morton Salt Co.	Morton	- -	5,500	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Michigan</u> (continued)					
Parke Davis & Co.	Detroit	2834	1,250	--	--
Parke Davis & Co.	Detroit	2834	2,500	--	--
St. Regis Paper Co.	Power Plant	--	10,000	--	--
Union Camp Corp.	Monroe	--	10,000	--	--
U.S. Steel Corp.	Rogers City*	--	1,000	--	--
Weyerhaeuser Co.	W. Pigeon	--	5,000	--	--
<u>Minnesota</u>					
American Crystal Sugar Co.	East Grand Forks	2063	2,500	--	--
American Crystal Sugar Co.	Crookston	2063	3,500	--	--
American Crystal Sugar Co.	Moorhead	2063	5,000	--	--
Blandin Paper Co.	Paper Mill	--	9,500	--	--
Diamond National Corp.	Cloquet*	3983	1,200	--	--
Federal Cartridge Corp.	Anoka*	1961	--	105	--
George A. Hormel & Co.	Austin	--	5,500	--	--
The Northwest Paper Co.	Cloquet	--	4,000	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Minnesota (continued)</u>					
Olympia Brewing Co.	St. Paul	- -	7,500	- -	- -
Potlatch Corp.	Brainerd	2621	671	- -	- -
Reserve Mining Co.	Silver Bay *	- -	- -	896	- -
Jacob Schmidt Brewing Co.	St. Paul	2082	1,750	- -	- -
St. Regis Paper Co.	Sartell	- -	4,000	- -	- -
U.S. Steel Corp.	Duluth *	- -	- -	6,000	- -
Wilson & Co., Inc.	Albert Lea	2011	3,000	- -	- -
<u>Mississippi</u>					
Hercules, Inc.	Hattiesburg	2861	2,000	- -	- -
<u>Missouri</u>					
Gideon Anderson Lumber Co.	Gideon Anderson *	2441	350	1,136	- -
CPC International Inc.	N. Kansas	- -	8,500	- -	- -
Cruden Martin Mfg. Co.	St. Louis *	3429	475	- -	- -
Midland Brick & Tile Co.	Chillicothe	3251	- -	675	- -
Monsanto Co.	St. Louis Q.	- -	5,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Missouri</u> (continued)					
PVO International Inc.	St. Louis*	2096	- -	150	- -
PVO International Inc.	St. Louis	2096	1,500	- -	- -
Scullin Steel Co.	St. Louis*	3323	400	- -	- -
U.S. Gypsum Co.	North KC	2631	1,500	- -	- -
<u>Montana</u>					
Great Western Sugar Co.	Billings*	2063	1,500	- -	- -
Holly Sugar Corp.	Sidney	2063	4,000	- -	- -
<u>Nebraska</u>					
Great Western Sugar Co.	Bayard	2063	1,000	- -	- -
↓	Gering*	2063	1,500	- -	- -
	Mitchell*	2063	1,000	- -	- -
	Great Western Sugar Co.	Scottsbluff*	2063	1,500	- -
<u>Nevada</u>					
E. L. Cord	Project 1746*	0143	- -	125	- -
Kennametal Inc.	Fallon*	1064	- -	230	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>New Hampshire</u>					
Brown Co.	Berlin *	- -	- -	3,300	- -
Franconia Paper Co.	Lincoln *	- -	4,000	- -	- -
Groveton Paper Co.	Groveton	- -	3,500	- -	- -
<u>New Jersey</u>					
California Refining Co.	Barber Refinery	- -	4,000	- -	- -
Citrus Service Co.	Trenton *	2816	1,400	- -	- -
Colgate Palmolive Co.	Jersey City	- -	5,600	- -	- -
De Laval Turbine, Inc.	Trenton *	3511	3,000	- -	- -
Hercules Powder Co.	Parlin	- -	9,500	- -	- -
Lowe Paper Co.	Ridgefield	2621	3,000	- -	- -
Merck & Co. Inc.	Rahway	- -	6,750	- -	- -
Peter J. Schweitzer, Inc.	Spotswood	2621	330	- -	- -
Riegel Paper Corp.	Milford	- -	9,500	- -	- -
Riegel Paper Corp.	Warren Mill	- -	2,000	- -	- -
U.S. Metals Refinery	Carteret *	- -	3,500	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>New Jersey (continued)</u>					
U.S. Government	Dover	- -	7,500	- -	- -
Western Electric Co., Inc.	Kearny *	3600	1,500	100	- -
Whippany Paper Board Corp.	Whippany	- -	10,000	- -	- -
Whippany Paper Board Corp.	Clifton	- -	4,000	- -	- -
Worthington Corp.	Harrison *	- -	3,000	- -	- -
Xcel Corp.	Plastics	- -	6,750	- -	- -
<u>New Mexico</u>					
Anaconda Co.	N.M. Operations	1094	- -	1,000	- -
El Paso Natural Gas Co.	JAL	- -	1,200	4,100	- -
↓	San Juan	- -	8,000	- -	- -
El Paso Natural Gas Co.	Blanco	- -	3,000	- -	- -
Homestake Sapin Partners	Sapin 1 *	- -	- -	7,000	- -
Homestake Sapin Partners	Sapin 2 *	1094	- -	1,500	- -
Phillips Petroleum Co.	Kimnitz	1321	- -	375	- -
Phillips Petroleum Co.	Eunice	1321	- -	2,750	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>New Mexico (continued)</u>					
Potash Co. of America	Carlsbad	- -	- -	8,380	- -
Skelly Oil Co.	Eunice 1 & 2	- -	- -	2,915	- -
Texaco Inc.	Buckeye	1321	- -	400	- -
United Nuclear Corp.	Ambrosia Mill *	1094	- -	4,887	- -
Warren Petroleum Corp.	Eunice Gas	1321	3,000	- -	- -
↓	Monument	1321	2,100	- -	- -
Warren Petroleum Corp.	Saunders	1321	- -	2,180	- -
<u>New York</u>					
Allied Chemical Corp. - SMT-SLV	Buffalo	- -	4,700	- -	- -
Allied Chemical Corp.	Buffalo	- -	5,000	- -	- -
Bell Aerospace Co.	Niagara Falls	3721	- -	475	- -
Brown Co. - Ft. Orange Plant	Castleton	2631	500	- -	- -
Carthage Paper Makers Div.	Carthage	2631	937	- -	- -
Clevepak Corp.	Piermont	- -	6,200	- -	- -
CPC International Inc.	Yonkers	- -	5,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
New York (continued)					
Cottrell Paper Co., Inc.	Stone Mill *	2621	- -	200	- -
W. J. Cowee, Inc.	Berlin	2499	818	- -	- -
Louis Dejonge & Co.	Staten Island *	2641	800	200	- -
F & M Schaefer Brewing	Brooklyn	2082	2,137	300	- -
Fairchild Republic Co.	Farmingdale *	3721	- -	250	- -
Foster Paper Co., Inc.	Utica	2631	1,500	- -	- -
Garlock, Inc.	Palmyra	3069	3,000	- -	- -
General Aniline Film	Main	- -	6,600	- -	- -
Georgia Pacific Corp.	Mill 3	- -	6,750	- -	- -
Gleason Works	Rochester *	3541	2,000	- -	- -
Hanna Furnace Corp.	Buffalo	- -	4,750	- -	- -
Harris Corp.	Camplain *	3555	- -	150	- -
International Paper Co.	Tonawanda *	- -	2,000	- -	- -
International Salt Co.	Watkins Glen	- -	8,000	- -	- -
Merrimac Leasing Corp.	Gloversville	3111	800	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>New York (continued)</u>					
Newton Falls Paper Mill	Newton Falls	- -	5,400	- -	- -
Phelps Dodge Corp.	Laurel Hill *	3331	400	- -	- -
Republic Steel Corp.	Buffalo	- -	10,000	- -	- -
St. Regis Paper Co.	Deferiet	- -	6,000	- -	- -
Sucrest Corp.	Brooklyn	2062	2,500	- -	- -
Sun Chemical Corp.	Rosebank *	2815	400	- -	- -
Syracuse China Corp.	Court Street *	3262	654	- -	- -
Telescope Folding Furn. Co.	Granville *	2511	600	- -	- -
U.S. Gypsum Co.	Oakfield	2621	1,745	- -	- -
Upson Co.	Lockport	2631	2,000	- -	- -
<u>North Carolina</u>					
American Tobacco Co.	Durham *	- -	6,500	3,000	- -
American Tobacco Co.	Reidsville *	- -	10,000	- -	- -
Cannon Mills Co.	Plant 1	- -	10,000	- -	- -
Chatham Mfg. Co.	Elkin	- -	2,500	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
North Carolina (continued)					
North Carolina Finishing Co.	Salistury	2261	3,500	--	--
Old Fort Finishing Plant	Old Fort Division	2261	3,375	--	--
Sayles Biltmore Bleachery, Inc.	Biltmore	2261	2,250	--	--
North Dakota					
American Crystal Sugar Co.	Drayton	--	6,000	--	--
Amoco Oil Co.	Mandan	--	9,375	--	--
Burmah Oil & Gas Co.	Tiogabeaver	--	300	2,775	--
Ohio					
Allied Chemical Co.	Ironton	3312	3,000	--	--
The Andrews Jergins Co.	Cincinnati*	2844	625	--	--
Armco Steel Corp.	Hamilton	3312	2,250	--	--
Bergstrom Paper Co.	Moraine Mill*	2621	3,000	--	--
The Celotex Corp.	Lockland	--	10,000	--	--
Crystal Tissue Co.	Middletown	2621	3,000	--	--
Diamond Crystal Salt	Akron	2899	2,000	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC.	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Ohio (continued)</u>					
Diamond National Corp.	Mill No. 1 *	2621	1,500	--	--
Diamond National Corp.	Mill No. 2-Carton	--	6,000	--	--
Diamond National Corp.	Lockland	--	9,000	--	--
Federal Paper Board Co.	Steubenville	2621	2,250	--	--
Fox Paper Inc.	Lockland	2621	2,350	--	--
Hudepohl Brewing Co.	Plant No. 2	2082	1,400	--	--
E. Kahns & Sons	Cincinnati *	2011	1,050	50	--
RK Leblond Machine Tool Co.	Norwood *	3541	1,000	--	--
Mead Corp.	Chilpaco	--	4,000	--	--
Medusa Portland Cement Co.	Silica	3241	4,125	--	--
Mersman Bros. Corp.	Celina	2511	1,220	--	--
Miami Paper Corp.	Oxf Miami	--	9,080	--	--
Middletown Paperboard	Middletown	2631	1,500	--	--
Morton Salt Co.	Rittman	2899	2,000	--	--
National Cash Register	Dayton	--	9,600	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
Ohio (continued)					
Owens Corning Fiberglass	Newark	3296	- -	800	- -
Pet Incorporated	Bryan *	2023	700	- -	- -
Pfizer Minerals	Gibsonburg *	3274	- -	428	- -
RB Electric Co.	Norwood *	3069	200	- -	- -
A I Root & Co.	Medina *	2499	648	- -	- -
Stone Container Corp.	Coshocton *	2621	1,000	- -	- -
Transue Wilhams Steel Forging	Alliance	3391	2,250	- -	- -
U.S. Playing Card Co.	Cincinnati	2751	1,700	- -	- -
U.S. Steel Corp.	Central-F	- -	10,000	- -	- -
↓	Cuyahoga	- -	3,000	- -	- -
U.S. Steel Corp.	Fairborn *	- -	7,500	- -	- -
Wean United Inc.	Canton	3321	1,600	- -	- -
Wean United Inc.	Canton *	3321	- -	250	- -
Wheeling Pittsburgh Steel	Martins Ferry *	3479	- -	1,000	- -
Wheeling Pittsburgh Steel	Yorkville *	3312	- -	200	- -
Youngstown Sheet & Tube Co.	Brier Hill *	- -	9,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Oklahoma</u>					
Atlantic Richfield Co.	Plant No. 2	1321	- -	675	- -
Cities Service Petro. Co.	Ambrose *	1321	- -	900	- -
Dorchester Gas Products Co.	Hooker	1321	- -	1,200	- -
Kerr McGee Oil Industries	Stroud *	1321	- -	1,500	- -
Mapco Inc.	Hugoton	1321	- -	1,104	- -
OKC Refining Inc.	Okmulgee *	2911	850	- -	- -
Phillips Petroleum Co.	E. Curley No. 1	1321	- -	175	- -
Phillips Petroleum Co.	Medrano Unit	1311	- -	250	- -
Pioneer Gas Product Co.	Plant No. 40	1321	- -	840	- -
Pioneer Gas Product Co.	Plant No. 22	1321	- -	900	- -
Shelly Oil Co.	Velma	- -	- -	1,790	- -
Warren Petroleum Corp.	Maysville	- -	- -	2,060	- -
<u>Oregon</u>					
Amalgamated Sugar Co.	Nyassa	- -	5,041	- -	- -
Boise Cascade Corp.	La Grande	2421	3,600	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Oregon</u> (continued)					
Boise Cascade Corp.	Valsetz Division	2432	2,000	500	- -
Boise Cascade Corp.	Medford	- -	8,500	- -	- -
Crown Zellerbach Corp.	West Linn ⁴	- -	1,225	- -	- -
Gilchrist Timber Co.	Gilchrist [*]	2421	1,600	- -	- -
Edward Hines Lumber Co.	Hines	- -	6,000	- -	- -
Edward Hines Lumber Co.	Westfir	- -	4,750	- -	- -
International Paper Co.	Vaughn	- -	3,000	- -	- -
International Paper Co.	Gardiner [*]	- -	4,500	- -	- -
Kinzua Pine Mills Co.	Kinzua [*]	2441	1,500	- -	- -
Medford Corp.	Medford [*]	- -	4,500	- -	- -
Ochoco Lumber Co.	Prineville	2421	2,000	- -	- -
Page & Talbot Lumber Co.	Oakridge	2421	5,000	- -	- -
Publishers Paper Co.	Portland [*]	2421	3,200	- -	- -
Roseburg Lumber Co.	Roseburg [*]	- -	- -	150	- -
U.S. Plywood Corp.	Lebanon	- -	1,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Oregon (continued)</u>					
Warm Springs Forest Products	Madras	2421	1,200	--	--
Weyerhaeuser Co.	Cottage Grove	--	6,500	--	--
↓	Klamath Falls	--	7,500	--	--
Weyerhaeuser Co.	North Bend*	--	5,000	--	--
Willamette Industries	Dallas	--	4,500	--	--
↓	Foster	--	4,000	--	--
Willamette Industries	Sweet Home	--	4,000	--	--
<u>Pennsylvania</u>					
Appleton Papers	Roaring Spring	2621	1,000	--	--
Atlantic Richfield Co.	Philadelphia	--	7,000	--	--
Atlas Powder Co.	Reynolds*	2892	536	--	--
Bethlehem Steel Corp.	Lebanon*	--	5,000	--	--
Bethlehem Steel Corp.	Steelton*	--	7,500	--	--
Damascus Tanning Co.	Coudersport*	3111	275	--	--
Eberle Tanning Co.	Westfield*	3111	1,725	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Pennsylvania</u> (continued)					
H. J. Heinz Co.	Pittsburgh	- -	6,000	- -	- -
Latrobe Forge & Spring	Latrobe	3312	850	- -	- -
CH Masland & Sons	Carlisle	2271	800	- -	- -
Merck & Co., Inc.	Cherokee	2800	2,500	- -	- -
Paterson Parchment Paper	Bristol*	- -	7,150	- -	- -
Penn Central	Altoona	- -	3,000	- -	- -
Pierce Glass Co.	Port Allegany*	3221	- -	211	- -
Rohm & Haas Co.	Bristol	2821	3,800	- -	- -
Rohm & Haas Co.	Philadelphia	2821	1,500	- -	- -
Shenango Inc.	Neville	- -	10,000	- -	- -
Sonoco Products Inc.	Downington	- -	5,300	- -	- -
St. Regis Paper Co.	York	2621	4,000	- -	- -
Taylor Corp.	Betzwood*	2621	500	- -	- -
U.S. Steel Corp.	Ellwood*	- -	6,000	- -	- -
U.S. Steel Corp.	Northampton	- -	10,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Pennsylvania (continued)</u>					
Weyerhaeuser Co.	Miquon	2621	3,300	- -	- -
Wheeling-Pitts Steel Corp.	Monessen *	- -	6,000	- -	- -
<u>Rhode Island</u>					
Bird & Son Inc.	Phillipsdale	- -	3,000	- -	- -
Bradford Dyeing Assoc.	Bradford	- -	2,675	40	- -
Narragansett Brewing Co.	Cranston	2082	2,750	- -	- -
Times Publishing Co.	Pawtucket *	2711	- -	250	- -
<u>South Carolina</u>					
E I DuPont DeNemours Co.	Camden	- -	10,000	- -	- -
Riegel Textile Corp.	Ware Shoals	- -	7,000	- -	- -
U.S. Government	Charleston	- -	8,000	- -	- -
United Merchants & Mfrs.	Clearwater *	2261	1,250	- -	- -
<u>Tennessee</u>					
American Enka Corp.	Lowland *	- -	- -	1,000	- -
E I DuPont DeNemours Co.	Old Hickory	- -	9,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Tennessee (continued)</u>					
Pet Incorporated	Greenville	2023	1,000	--	--
Prest Mfg. Co.	Memphis*	2421	1,000	--	--
U.S. Tobacco Co.	Nashville*	2131	600	--	--
<u>Texas</u>					
Allied Chemical Corp.	Benedum	1321	--	2,015	--
Aluminum Co. of America	Point Comfort	--	--	--	4,000
American Smelting & Refining	El Paso	--	6,400	--	--
Amoco Production Co.	Edgewood	1321	--	2,400	--
Burnell	1321	3,000	--	--
	Old Ocean	1321	750	--	--
	Luby Gasoline	1321	--	2,000	--
	Levelland	1321	--	750	--
	North Cowden	1321	--	4,000	--
	Slaughter	1321	--	4,800	--
	Amoco Production Co.	South Fullerton	1321	--	1,500

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENEFACTORS	GAS TURBINES
<u>Texas</u> (continued)					
Amoco Production Co.	White Flat	1321	- -	350	- -
Arkla Chemical Corp.	Waskom	1321	- -	500	- -
Armco Steel Corp.	Industrial Rd. *	- -	3,900	150	- -
Atlantic Richfield	Silsbee Gas	1321	- -	800	- -
Atlantic Richfield	Taft Gas Products	1321	- -	1,500	- -
C.P.C. International Inc.	Corpus Christi	- -	7,500	- -	- -
Cabot Corp.	Estes Wickett *	1321	- -	1,000	- -
Champlin Petroleum Co.	East Texas	1321	- -	1,280	- -
↓	Gulf Plains	1321	- -	1,650	- -
Champlin Petroleum Co.	Conroe	1321	- -	1,050	- -
Cities Service Oil Co.	Brayton	1321	- -	500	- -
↓	Panola Plant 47	1321	- -	900	- -
Cities Service Oil Co.	East Texas	1321	- -	200	- -
Cities Service Petroleum Co.	Lehman Gas *	1321	- -	650	- -
Clevepak Corp.	Oak Cliff	- -	10,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
Texas (continued)					
Colorado Interstate Gas Co.	Bivins *	1321	- -	577	- -
Colorado Interstate Gas Co.	Fourway *	1321	- -	1,144	- -
El Paso Natural Gas Co.	Midkiff	- -	7,500	- -	- -
El Paso Natural Gas Co.	Sealy Smith	1321	- -	900	- -
Exxon Co., USA ↓ 					

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Texas</u> (continued)					
Exxon Co., USA	Neches	1321	- -	1,540	- -
K Bay & S. Point	1321	- -	440	- -
	N.E. Loma Novia	1321	- -	480	- -
	Tomball Gas	1321	- -	1,350	- -
	King Ranch	1321	- -	5,450	- -
	Fort Bend Utilities Co.	New Power Plant	2062	3,000	- -
General Dynamics	Fort Worth*	3721	500	735	- -
Getty Oil Co.	West Bernard*	1321	- -	280	- -
Holly Sugar Co.	Hereford	- -	5,000	- -	- -
ICI United States, Inc.	Marshall	2819	3,000	- -	- -
Jefferson Lake Sulfur	Long Point	1477	3,000	- -	- -
Kirby Lumber Corp.	Silsbee	- -	7,000	- -	- -
Kirby Lumber Corp.	Silsbee*	- -	- -	350	- -
Lone Star Gas Co.	Springtown	1321	- -	1,060	- -
Marathon Oil Co.	Markham Gas	1321	- -	900	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Texas</u> (continued)					
Marathon Oil Co.	Texas City	2911	250	- -	- -
Marathon Oil Co.	Texon	1311	- -	2,250	- -
Mobil Oil Corp.	Coyanosa	1321	- -	2,000	- -
La Gloria	1321	- -	2,400	- -
	Lolita	1321	- -	150	- -
	Hagist	1321	- -	450	- -
	Kittie	1321	- -	630	- -
	Pegasus	1321	- -	3,750	- -
	Suligson	1321	- -	2,500	- -
	Vanderbilt	1321	- -	1,800	- -
	Wilcox	1321	- -	1,120	- -
	Diamond M	1321	- -	1,800	- -
	Morton Salt Co.	Grand Saline	2899	1,500	- -
Natural Gas Pipeline Co.	Fritch No. 111	1321	- -	1,190	- -
Natural Gas Pipeline Co.	Comp. Sta. 112	1321	- -	1,600	- -
Nipak Inc.	Kerens	2871	- -	2,000	- -

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Texas</u> (continued)					
Northwest Production Corp.	Barnhart	1321	--	720	--
Parade Co.	Giles	1321	--	550	--
Phillips Petroleum Co.	Dumas Gasoline	1321	--	750	--
↓	Benedum	1321	--	1,500	--
	Fullerton	1321	--	3,100	--
	Goldsmith	1321	--	1,250	--
	Hansford	1321	--	1,500	--
	Seminole Texas	1321	--	250	--
Phillips Petroleum Co.	Sweeney Refinery	2911	3,000	--	--
Proctor & Gamble Mfg. Co.	Dallas	2841	3,000	--	--
Shell Oil Co.	Houston	1321	--	100	--
↓	Wasson	1321	--	4,600	--
Shell Oil Co.	TXL	1321	--	3,675	--
Skelly Oil Co.	Crawford	1321	--	718	--
Skelly Oil Co.	East Vealmoor	1321	--	1,670	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Texas</u> (continued)					
Skelly Oil Co.	Kingsmill	1321	- -	1,350	- -
Skelly Oil Co.	Watkins	1321	- -	250	- -
Stauffer Chemical Co.	Houston	2819	1,500	- -	- -
Sun Oil Co.	Sun Natural Gas	1321	- -	2,200	- -
↓	Jameson	1321	- -	875	- -
Sun Oil Co.	Snyder Gas	1321	- -	3,184	- -
Superior Oil Co.	Lake Creek	1321	- -	750	- -
Tenneco Oil Co.	Ward	1321	- -	960	- -
Texaco Inc.	Blessing	1321	- -	600	- -
↓	Fuller	1321	- -	1,500	- -
	Mabee	1321	- -	800	- -
	Tijerina	1321	- -	1,000	- -
↓	M. Withers	1321	- -	300	- -
Texaco Inc.					
Texas Gulf Inc.	Boling Dome	1477	3,000	- -	- -
Texas Gulf Inc.	Moss Bluff	1477	1,750	- -	- -

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Texas</u> (continued)					
Texas Gulf Inc.	Spindletop D	1321	2,000	- -	- -
Texas Plastics Inc.	Edinburg*	2097	- -	225	- -
Union Carbide Chemicals Co.	Seadrift*	--	9,000	- -	- -
Union Oil Co. of Calif.	Dollarhide	1321	- -	2,500	- -
Uno-Tex Petroleum Corp.	Walnut Bend	1321	- -	1,010	- -
Chester R. Upham, Jr.	Upham	1321	- -	312	- -
Chester R. Upham, Jr.	Monahans Gas	1321	- -	375	- -
Vought Corp., Systems Div.	Nevirp*	3721	- -	3,000	- -
Warren Petroleum Corp.	Gladewater	1321	- -	1,200	- -
	Monahans Gas	1321	- -	375	- -
	Waddell Gas	1321	- -	2,112	- -
	Bridgeport	1321	- -	1,520	- -
<u>Utah</u>					
Thiokol Chemical Corp.	R & D*	2800	- -	575	- -
Thiokol Chemical Corp.	AF Plant 78*	2800	- -	1,950	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Utah</u> (continued)					
U.S. Steel Corp.	Ironton	- -	3,000	- -	- -
Utah Idaho Sugar Co.	Garland	2063	1,250	- -	- -
<u>Vermont</u>					
Baumritter Corp.	Beecher Falls*	2511	- -	190	- -
Baumritter Corp.	Beecher Falls	2511	500	- -	- -
Standard Packaging Corp.	Sheldon Spr.	- -	2,000	1,000	- -
True Temper Corp.	St. Johnsbury	3423	90	- -	- -
<u>Virginia</u>					
American Tobacco Co.	Richmond	2111	3,200	- -	- -
Bassett Furniture Co.	Bassett	2511	2,500	- -	- -
Bassett Furniture Co.	Martinsville	2511	2,500	- -	- -
Federal Paper Board Co.	Richmond	2631	2,000	- -	- -
Hercules Powder Co.	Hopewell	- -	7,000	- -	- -
Lane Co.	Altavista	2511	2,660	- -	- -
The Mead Corp.	Lynchburg	- -	2,000	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TUREINES
<u>Virginia (continued)</u>					
Newport News Shipbuilding	Newport News *	3731	2,000	- -	- -
Owens Illinois Inc.	Big Island	- -	7,500	- -	- -
U.S. Tobacco Co.	Richmond *	2111	800	- -	- -
Virginia Chemicals Inc.	West Norfolk	2819	600	- -	- -
<u>Washington</u>					
Crown Zellerbach	Twisp	2421	3,750	- -	- -
Peshastin Forest Products	Peshastin	2421	1,750	- -	- -
M R Smith Shingle Co.	Beaver	2429	750	- -	- -
St. Regis Paper Co.	Klickitat	- -	5,000	- -	- -
U.S. Government	Bremerton	- -	9,000	- -	- -
U.S. Plywood Corp.	Seattle *	2432	1,500	- -	- -
U.S. Naval Torpedo Station	Keyport *	9119	- -	800	- -
↓	Whitney Zeltech *	9119	- -	142	- -
	Bangor Annex *	9119	- -	750	- -
U.S. Naval Torpedo Station	Bangor Pomfac	9119	- -	3,500	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Washington (continued)</u>					
U.S. Penitentiary	McNeil Island	9189	1,000	1,400	- -
Utah Idaho Sugar Co.	Moses Lake	2063	3,500	- -	- -
Utah Idaho Sugar Co.	Toppenish	2063	3,500	- -	- -
Weyerhaeuser Co.	Everett*	- -	9,990	- -	- -
↓	Snoqualmie*	- -	7,000	- -	- -
Weyerhaeuser Co.	Enumclaw*	- -	8,500	- -	- -
<u>West Virginia</u>					
Halltown Paper Board Corp.	Halltown	2621	4,000	- -	- -
Howes Leather Co., Inc.	Frank*	3111	1,500	- -	- -
Libbey Owens Ford Co.	Charleston*	3211	- -	2,200	- -
Union Carbide Corp.	Institute	- -	10,000	- -	- -
<u>Wisconsin</u>					
American Can Co.	Green Bay	- -	5,000	- -	- -
American Motors Corp.	Milwaukee Body	3717	1,000	- -	- -
Bergstrom Paper Co.	Neenah	- -	2,500	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Wisconsin</u> (continued)					
Connor Forest Industries	Laona	2421	1,080	3,220	--
Peter Cooper Corp.	Carrolville	--	5,200	--	--
Patrick Cudahy Inc.	Cudahy	--	1,600	--	--
Falk Corp.	Milwaukee*	3566	1,800	--	--
Gilbert Paper Co.	Menasha	--	3,500	--	--
Harnischfeger Corp.	West Milwaukee	3531	575	--	--
Kansas City Star Co.	Park Falls*	--	--	1,000	--
Kohler Co.	Kohler	--	9,500	--	--
Malleable Iron Range Co.	Beaver Dam	3433	115	--	--
Miller Brewing Co.	Milwaukee	--	5,500	--	--
Milwaukee Solvay Coke Co.	Milwaukee	--	1,800	--	--
Mosinee Paper Mills Co.	Mosinee	--	5,000	--	--
NCR Appleton Papers Div.	Combined Locks*	2621	--	300	--
NCR Appleton Papers Div.	Combined Locks	2621	6,000	--	--
NCR Appleton Papers Inc.	Locks Mills	--	6,000	--	--

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Wisconsin (continued)</u>					
Nekoosa Paper Inc.	Port Edward	- -	8,500	- -	- -
Owens Illinois Inc.	Tomahawk	- -	5,000	- -	- -
Ozite Corp.	Milwaukee *	2291	600	- -	- -
Pabst Brewing Co.	Milwaukee	- -	2,300	- -	- -
Pfister Vogel Tanning Co.	Milwaukee	3111	1,700	- -	- -
Riverside Paper Corp.	Appleton *	- -	750	- -	- -
Joseph Schlitz Brewing Co.	Milwaukee	- -	10,000	- -	- -
Shawano Paper Mills	Shawano	- -	1,500	- -	- -
John Strange Paper Co.	Menasha	- -	6,250	- -	- -
Vollrath Co.	Sheboygan *	3461	- -	300	- -
Weyerhaeuser Co.	Rothschild	- -	5,000	- -	- -
Whiting Plover Paper Co.	Stevens Point	8662	2,000	- -	- -
<u>Wyoming</u>					
Amoco Production Co.	Elk Basin Field	1321	2,500	- -	- -
Holly Sugar Corp.	Worland	2063	1,750	- -	- -

* No Operations

Table 1. Identification of Small ($\leq 10 \text{ MW}_e$) Power Systems in the United States (Cont'd)

STATE/COMPANY	PLANT	SIC	SYSTEMS TYPE AND SIZE (kW _e)		
			STEAM PLANTS	DIESEL GENERATORS	GAS TURBINES
<u>Wyoming</u> (continued)					
Holly Sugar Corp.	Torrington	2063	2,750	- -	- -
Mountain Fuel Supply Co.	Church Buttes	1321	- -	525	- -
Sinclair Oil Corp.	Sinclair	- -	6,186	- -	- -
Union Oil Co. of Calif.	Worland No. 21	1321	- -	2,500	- -

Table 2. Summary of Small ($\leq 10 \text{ MW}_e$) Industrial Power Systems in the United States

State	Steam Turbines				Diesel Generators				Gas Turbines				Total* Systems	Total* Power, kW _e
	Number		Power, kW _e		Number		Power, kW _e		Number		Power, kW _e			
Alabama	4	(1)**	34,750	(9,000)**	1	(0)	1,500	(0)	0	(0)	0	(0)	6	45,250
Alaska	0	(0)	0	(0)	3	(1)	6,610	(750)	0	(0)	0	(0)	4	7,360
Arizona	4	(1)	22,750	(4,000)	2	(0)	4,600	(0)	0	(0)	0	(0)	7	31,350
Arkansas	4	(2)	11,400	(5,250)	3	(0)	9,920	(0)	0	(0)	0	(0)	9	26,570
California	14	(3)	57,175	(5,250)	3	(3)	6,200	(2,000)	0	(0)	0	(0)	23	70,625
Colorado	11	(1)	29,760	(3,250)	0	(1)	0	(100)	1	(0)	5,000	(0)	14	38,110
Connecticut	3	(3)	14,625	(3,300)	0	(4)	0	(2,515)	0	(0)	0	(0)	10	20,440
Delaware	1	(0)	6,500	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	6,500
Florida	5	(1)	16,750	(1,250)	2	(1)	6,000	(225)	0	(0)	0	(0)	9	24,225
Georgia	5	(0)	33,975	(0)	1	(2)	1,500	(525)	0	(0)	0	(0)	8	36,000
Hawaii	10	(1)	38,750	(750)	3	(0)	3,980	(0)	0	(0)	0	(0)	14	43,480
Idaho	5	(3)	25,250	(5,150)	0	(0)	0	(0)	0	(0)	0	(0)	8	30,400
Illinois	11	(5)	49,283	(8,925)	4	(6)	13,971	(3,430)	0	(0)	0	(0)	26	75,609
Indiana	8	(3)	23,350	(3,000)	2	(0)	2,905	(0)	0	(0)	0	(0)	13	29,255
Iowa	4	(0)	24,365	(0)	0	(0)	0	(0)	0	(0)	0	(0)	4	24,365
Kansas	6	(1)	14,350	(2,000)	8	(2)	8,093	(1,694)	0	(0)	0	(0)	17	26,137
Kentucky	3	(1)	8,750	(570)	0	(0)	0	(0)	0	(0)	0	(0)	4	9,320
Louisiana	23	(7)	64,320	(9,900)	29	(3)	18,080	(2,193)	0	(0)	0	(0)	62	94,493
Maine	5	(2)	23,882	(10,375)	0	(1)	0	(600)	0	(0)	0	(0)	8	34,857
Maryland	1	(3)	10,000	(3,050)	0	(2)	0	(900)	0	(0)	0	(0)	6	13,950
Massachusetts	17	(5)	78,476	(7,975)	1	(0)	800	(0)	0	(0)	0	(0)	23	87,251
Michigan	22	(5)	101,200	(6,200)	1	(1)	10,000	(600)	0	(0)	0	(0)	29	118,000
Minnesota	11	(1)	46,921	(1,200)	0	(3)	0	(7,001)	0	(0)	0	(0)	15	55,122
Mississippi	1	(0)	2,000	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	2,000
Missouri	4	(3)	16,500	(1,225)	1	(2)	675	(1,286)	0	(0)	0	(0)	10	19,686

* Sum of operational and non-operational systems.

** Number in parentheses refers to non-operational systems.

Table 2. Summary of Small ($\leq 10 \text{ MW}_e$) Industrial Power Systems in the United States (Cont'd)

State	Steam Turbines		Diesel Generators		Gas Turbines		Total Systems	Total Power, kW_e
	Number	Power, kW_e	Number	Power, kW_e	Number	Power, kW_e		
Montana	1 (1)	4,000 (1,500)	0 (0)	0 (0)	0 (0)	0 (0)	2	5,500
Nebraska	1 (3)	1,000 (4,000)	0 (0)	0 (0)	0 (0)	0 (0)	4	5,000
Nevada	0 (0)	0 (0)	0 (2)	0 (355)	0 (0)	0 (0)	2	355
New Hampshire	1 (1)	3,500 (4,000)	0 (1)	0 (3,300)	0 (0)	0 (0)	3	10,800
New Jersey	12 (5)	68,930 (12,400)	0 (1)	0 (100)	0 (0)	0 (0)	18	81,430
New Mexico	5 (0)	17,300 (0)	8 (3)	22,100 (13,387)	0 (0)	0 (0)	16	52,787
New York	21 (7)	84,337 (6,854)	2 (4)	775 (800)	0 (0)	0 (0)	34	92,766
North Carolina	5 (2)	21,625 (16,500)	0 (1)	0 (3,000)	0 (0)	0 (0)	8	41,125
North Dakota	3 (0)	15,675 (0)	1 (0)	2,775 (0)	0 (0)	0 (0)	4	18,450
Ohio	22 (11)	91,325 (26,223)	2 (4)	800 (1,928)	0 (0)	0 (0)	39	120,276
Oklahoma	0 (1)	0 (850)	9 (2)	8,994 (2,400)	0 (0)	0 (0)	12	12,244
Oregon	17 (6)	69,816 (20,300)	1 (1)	500 (150)	0 (0)	0 (0)	25	90,766
Pennsylvania	14 (9)	59,050 (34,686)	0 (1)	0 (211)	0 (0)	0 (0)	24	93,947
Rhode Island	3 (0)	8,425 (0)	1 (1)	40 (250)	0 (0)	0 (0)	5	8,715
South Carolina	3 (1)	25,000 (1,250)	0 (0)	0 (0)	0 (0)	0 (0)	4	26,250
South Dakota	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0	0
Tennessee	2 (2)	10,000 (1,600)	0 (1)	0 (1,000)	0 (0)	0 (0)	5	12,600
Texas	19 (3)	72,150 (13,400)	82 (11)	126,383 (8,211)	1 (0)	4,000 (0)	116	224,144
Utah	2 (0)	4,250 (0)	0 (2)	0 (2,525)	0 (0)	0 (0)	4	6,775
Vermont	3 (0)	2,590 (0)	1 (1)	1,000 (190)	0 (0)	0 (0)	5	3,780
Virginia	9 (2)	29,960 (2,800)	0 (0)	0 (0)	0 (0)	0 (0)	11	32,760
Washington	8 (4)	28,250 (26,990)	2 (3)	4,900 (1,692)	0 (0)	0 (0)	17	61,832
West Virginia	2 (1)	14,000 (1,500)	0 (1)	0 (2,200)	0 (0)	0 (0)	4	17,700
Wisconsin	24 (3)	96,620 (3,150)	1 (3)	3,220 (1,600)	0 (0)	0 (0)	31	104,590
Wyoming	4 (0)	13,186 (0)	2 (0)	3,025 (0)	0 (0)	0 (0)	6	16,211
TOTAL	363 (114)	1,496,071 (269,623)	176 (75)	269,346 (67,118)	2 (0)	9,000 (0)	730	2,111,158