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SMALL POWER SYSTEMS STUDY

Volume II: Inventory of Small Generating Units in U.S. Utility Systems

Technical Summary Report

By
L. R. Sitney

May 31, 1978

Work Performed Under Contract No. EY-76-C-03-1101-002

The Aerospace Corporation
Energy and Transportation Division
Energy Systems Group
Los Angeles, California

U.S. Department of Energy

Solar Energy

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SMALL POWER SYSTEMS STUDY
TECHNICAL SUMMARY REPORT

VOLUME II
INVENTORY OF SMALL GENERATING UNITS IN
U. S. UTILITY SYSTEMS

31 May 1978

Prepared for
DIVISION OF SOLAR TECHNOLOGY
DEPARTMENT OF ENERGY
Washington, D.C. 20545

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Prepared by
Energy Systems Group
Energy and Transportation Division
THE AEROSPACE CORPORATION
Post Office Box 92957
Los Angeles, California 90009

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FOREWORD

This is Volume II of a two-volume Technical Summary Report, ATR-78(7693-05)-1, describing an Aerospace Corporation study on small power systems performed for the Division of Solar Technology of the Department of Energy. The period of performance for the work described in this report was 1 March 1977 through 31 May 1978. The data contained in this volume form the basis for the small power systems analyses described in Volume I, "Study Results."

INTRODUCTION

This inventory evolved from a request by the Division of Solar Technology of the Department of Energy (DST/DOE) for information on small power systems, both in the southwestern United States and in the country as a whole. A small power system is defined to be either an individual generating unit or an entire system which produces no more than 10 MW_e .

The initial information requested by DST was obtained from the 1976-1977 Edition of the Electrical World Directory of Electric Utilities (Reference 1). These data summarized the number of steam turbine generating units in each state and identified the number of such units in each two megawatt grouping from $0-10 \text{ MW}_e$ (e.g., 0-2, 2-4, etc.). The initial request was followed almost immediately by a second request for similar information on diesel generators and gas turbines. The desired information was again obtained from Reference 1.

During the course of the data acquisition task, it was pointed out by others within The Aerospace Corporation that the Federal Energy Administration (FEA) had published an inventory of power plants in the United States (Reference 2) which did not agree completely with the Electrical World data. Unfortunately, there was insufficient time to identify and resolve the discrepancies at that time. However, once all the desired information had been provided to DST, it appeared worthwhile to publish the data on small generating units in United States utility systems in a useable and accurate form. The procedure followed in the 48 contiguous states was to compare the data for a given utility system in the two references. If the numbers, types, and apparent sizes of the units agreed, the Electrical World data were used since generating capacity was given precisely whereas the FEA data were rounded to the nearest megawatt. Where the data did not agree, the utility system

was contacted by telephone and the correct data were obtained. No attempt was made to contact utility companies in Alaska or Hawaii to resolve discrepancies. In Alaska, the FEA report lists a larger number (202 versus 185) of small diesel generators than the Electrical World Directory, but neither source appears to be completely correct. The Hawaii data agree very closely in the two sources.

The data obtained from the two sources and from telephone calls to a number of utility systems are tabulated in Table I in this report in the following format. The data are listed alphabetically by state. Within a given state, the data are reported for utility companies in the following sequence:

- Investor-owned utilities (I)
- Municipal utilities (M)
- Electrical cooperatives and other utility systems (O)

The letter designating the type of utility system follows the company name in the listing. The utility companies in each of the three sequences are listed alphabetically. For a given utility system, the generating units are listed in three groups:

- Steam Turbines
- Diesel Generators
- Gas Turbines

Within each group, the number and size of generating units are listed in order of increasing nameplate generating capacity. If the entire utility system is on standby, a filled circle (●) precedes the utility company's name. If only certain of the units are on standby, an asterisk (*) precedes the utility company's name and the explanation of the asterisk is given at the bottom of the page. The following example should clarify the preceding description of the inventory listing.

The West Texas Utilities Company is an investor-owned utility company in Texas with the following small (≤ 10 MW_e) generating

units; all of its diesel generators are on standby.

1-7500 kW steam turbine
 2- 240 kW diesel generators
 1- 350 kW diesel generator
 1-1000 kW diesel generator
 2-1135 kW diesel generators
 1-5000 kW gas turbine

(Although not shown, or indicated in this inventory, the utility also operates other units with greater than 10 MW_e capacity.)

This utility is listed on page 55 of this volume as follows:

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
<u>Texas</u> *West Texas Utilities Co. (I)	1-7500	2-240, 1-350, 1-1000 2-1135	1-5000

*All diesel generators are on standby.

Table II of this report summarizes the number of generating units of each type and their total generating capacity by state. Standby units are included in the totals. Table III gives the number of investor-owned (Inv.), municipal (Mun.), and cooperatives and/or other (Other) utility systems in each state which operate each of the three types of electrical generating units. Standby utility systems are included in these numbers, but the number of standby systems is also listed separately in parentheses, where applicable. Thus, in Texas, five of the 21 municipal utility systems operating diesel generators are on a standby basis.

Table I. Identification of Small (≤ 10 MWe) Power Units in the United States

State/Utility ^(*)	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
<u>Alabama</u>			
Alabama Electric Cooperative, Inc. (O)	2-7500		
<u>Alaska</u>			
Alaska Electric Light & Power Co. (I)		2-1136, 2-1250, 3-2500 1-3500	
Alaska Power & Telephone Co. (I)		4-75, 4-90, 4-200 4-300, 2-315, 1-1000	
Anchorage Municipal Light & Power Dept. (M)		2-1000	
Cordova Public Utilities (M)		1-650, 2-700, 1-1000, 1-1900, 1-3000	
Fairbanks Municipal Utilities System (M)	1-1500, 1-2500, 1-5000	3-2750	1-7000
Ketchikan Public Utilities (M)		3-873, 1-2000, 2-9000	
Metlakatla Power & Light (M)		2-1500	
Nome Joint Utility (M)		1-350, 3-500, 1-1100 1-1200	
Petersburg Municipal Power & Light (M)		1-350, 1-1250, 1-2100	
Seward Electric System (M)		2-1500, 1-2500	
Sitka Electric Dept. (M)		1-700, 3-800	
Wrangell Electric Dept. (M)		3-500, 5-1250	

* I = Investor-Owned M = Municipal System O = Cooperative, Government-Owned

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
Alaska Village Electric Cooperative, Inc. (O)		$\Sigma 45, = 13,635$	
Barrow Utilities Electric & Cooperative, Inc. (O)		1-250, 2-450	2-750
Chugach Electric Association, Inc. (O)	1-500, 3-3000, 1-5000		1-8850
Copper Valley Electric Association, Inc. (O)		2-320, 1-560, 5-600 1-965, 1-1930, 3-2620 1-2800	
Glacier Highway Electric Association (O)		1-2500	
• Golden Valley Electric Association, Inc. (O)		$\Sigma 8 = 21,140, 1-2750$	
*Homer Electric Association, Inc. (O)		2-50, 2-100, 2-125 1-300, 3-600	
Kodiak Electric Association, Inc. (O)		1-100, 1-200, 2-350 2-480, 1-650, 2-800 3-2000, 1-2500, 1-2660 2-5270	
Kotzebue Electric Association, Inc. (O)		2-200, 2-500, 2-1000	
Matanuska Electric Association, Inc. (O)		1-125, 1-300, 1-350	
Naknek Electric Association, Inc. (O)		3-350, 1-500	
Nushagak Electric Cooperation, Inc. (O)		1-300, 1-350, 1-500 1-750	

* Both 125 kW_e and one 600 kW_e diesel generators are on standby.

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
<u>Arizona</u>			
Citizens Utility Co. (I)	(I)	1-3680	1-10,000
Safford Municipal Utilities	(M)	2-70, 1-135, 2-420 1-590, 1-950, 2-1250 1-2000	
Arizona Electric Power Cooperative, Inc.	(O)		
Salt River Project Agricultural Improvement and Power District	(O)	4-7500	
<u>Arkansas</u>			
Arkansas Power & Light Co.	(I)	2-3000	
Augusta Light, Water & Gas	(M)	1-155, 2-300, 1-675 1-1155	
Benton Municipal Light & Waterworks	(M)	1-9000	
Conway Corporation	(M)	1-500, 1-700, 1-850 1-1250, 1-2250, 1-2470 1-3000	
● Hope Water & Light Plant	(M)	2-1000, 1-1500, 1-2500	
Jonesboro Water & Light Plant	(M)	2-7500	1-1000
Paragould Light Plant Commission	(M)		2-430, 2-800, 1-1000 1-1100

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Piggott Municipal Light Dept.	(M)		1-200, 1-300, 1-675 1-1135, 1-1360, 1-2050 1-2280	
Prescott Municipal Water & Light Plant	(M)		1-150, 1-240, 1-475	
West Memphis Utility Dept.	(M)		2-150, 2-200	
<u>California</u>				
California-Pacific Utilities Co.	(I)	1, 2500, 1-5000	1-214, 2-300, 1-700 3-725, 3-1000	
Sierra-Pacific Power Co.	(I)		3-2000, 6-2750	
San Diego Gas & Electric Co.	(I)	1-3000		1-2000
Burbank Public Service Dept.	(M)	2-10,000		
Imperial Irrigation District	(O)		3-750, 3-1750, 2-2290	
<u>Colorado</u>				
Public Service Co. of Colorado	(I)	1-1500, 1-3000, 1-5000 1-9375	2-2750	
Central Telephone & Utilities Corp.	(I)	2-8250, 1-9000	10-2000	
Burlington Municipal Light & Power Plant	(M)		1-1000, 1-1250, 1-2500 1-2800	
Colorado Springs Dept. of Public Utilities	(M)	2-2500, 2-5000		

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

State/Utility	Type, Number, and Size of Unit (kW_e)		
	Steam Plants	Diesel Generators	Gas Turbines
Delta Municipal Light & Power (M)		2-125, 1-175, 1-400 1-835, 1-1200, 1-2130	
Haxton Municipal Light & Power Dept. (M)		1-150, 2-250	
Holly Light, Power & Water Dept. (M)			2-500
Holyoke Municipal Light & Power Dept. (M)		1-200, 1-300, 1-500	
Julesburg Municipal Power & Light (M)		2-270, 1-775, 1-825 1-1650	
LaJunta Municipal Utilities (M)		1-420, 1-650, 1-740 1-1060, 1-1250, 1-2600 1-3500, 1-5125	
Lamar Utilities Board (M)	2-2000, 1-5000	2-1000	
Las Animas Municipal Light & Power (M)		1-135, 1-220, 1-265 2-1130, 1-3000	
Springfield Municipal Utilities (M)		1-200, 1-590, 1-800 1-1250, 1-1850	
Trinidad Municipal Power & Light Dept. (M)	2-3750	2-1875	
Yuma Municipal Light Dept. (M)		1-85, 1-130, 1-265 1-555	
Highline Electric Association (O)		2-100, 1-500	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
<u>Connecticut</u>			
Connecticut Light & Power Co. (I)		2-2750	3-6000
Hartford Electric Light Co. (I)			1-10000
United Illuminating Co. (I)	1-5000, 1-6000, 3-10000		
South Norwalk Electric Works (M)		2-2000, 1-3000, 1-3280 1-5000	
Wallingford Electric Division (M)	3-7500		
<u>Delaware</u>			
Delmarva Power & Light Co. (I)		2-410, 1-500	1-3000
Dover Municipal Power Plant (M)		1-550	
• City of Seaford Light & Power Dept. (M)		1-2580, 1-4600	
<u>Florida</u>			
Florida Public Utilities Co. (I)		3-1000	
Ft. Pierce Utilities Authority (M)	1-6250, 1-8380	2-2750	
Gainesville Alachua County Regional Electric, Water & Sewer Utilities Board (M)	1-5000	1-1160	
Homestead Municipal Electric Dept. (M)		4-1100, 7-2070, 3-2500 1-2580, 2-3270, 2-8800	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Key West Utility Board	(M)	2-5000	3-2000, 1-2300, 2-2750	2-3750, 1-5250, 1-6200
Kissimmee Utilities	(M)		2-1500, 2-2000, 5-2070 1-2500, 2-3000	
Lakeland Dept. of Electric & Water Utilities	(M)		2-2750	
New Smyrna Beach Utilities Comm.	(M)		1-840, 1-1000, 1-1100 1-1800, 3-2000	
St. Cloud Utilities	(M)		1-1000, 1-1100, 1-1600	
Vero Beach Municipal Utilites	(M)		1-750, 1-1150, 1-2875 1-3200, 1-5400	
Wauchula Municipal Light Plant	(M)		1-555, 1-840, 1-900 1-1360, 2-2000	
Florida Keys Electric Coop, Inc.	(O)		2-1000, 2-2500, 3-3000	
<u>Georgia</u>				1-5000
Crisp County Power Commission	(O)			
<u>Hawaii</u>				
Hawaiian Electric Co., Inc.	(I)	1-3500, 1-4925, 2-5000 3-7500	1-500, 6-1000, 1-2000 11-2500, 4-5600	
<u>Idaho</u>				
Bonnars Ferry Light & Water Dept.	(M)		1-240, 2-1100	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Idaho Falls Electric Light Division	(M)		2-1250	
<u>Illinois</u>				
Central Illinois Light Co.	(I)	1-7500		
Commonwealth Edison Co.	(I)		2-10000	
Illinois Power Co.	(I)		2-5800	
Mt. Carmel Public Utility	(I)	1-4000, 2-7500		
• Batavia Municipal Electric Co.	(M)		2-175	
Betheny Municipal Light Dept.	(M)		1-440, 1-500	
Breese Water & Light Dept.	(M)	1-750, 1-2000	1-900, 1-3000	
Bushnell Municipal Electric Light & Power Utility	(M)		4-1000, 2-2000	
Carlyle Municipal Utilities	(M)	1-3000	5-350	
Carmi Water & Light Dept.	(M)		1-690, 1-730, 1-1125 1-1400, 2-1750, 1-2050 1-2750, 1-4415	
Fairfield Municipal Light Plant	(M)	1-1500, 1-2000, 1-4000 1-5000	2-2000	
Farmer City Municipal Power & Light Dept.	(M)		1-475, 1-850, 1-1130 1-1550, 1-3500	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Freeburg Municipal Power & Light Plant	(M)		2-485, 1-645, 1-750 1-1000, 1-1870	
Genesco Municipal Utilities	(M)		1-1000, 1-1160, 1-2000 1-3000, 2-3500, 1-5600	
Highland Electric Light Dept.	(M)	1-1500, 1-2000, 1-3000 1-6000	2-2050, 2-4415	
Marshall Water & Light Dept.	(M)		2-930, 1-1250, 1-2500	
Mascoutah Municipal Light Dept.	(M)	1-1500, 1-2000	2-560, 1-1135, 1-2070 1-2280	
McLeansboro Municipal Light & Power Plant	(M)	1-750	2-600, 1-645, 1-2300	
Peru Light Dept.	(M)	1-1000, 1-3000, 1-4000 1-8000	1-6250	
Princeton Municipal Utilities Dept.	(M)		2-3000, 3-4000, 1-6000 2-9000	
Rantoul Light & Power Dept.	(M)		4-1230, 2-1350, 1-5200 1-4000	
Red Bud Power, Light & Water Dept.	(M)		3-1000, 2-2000, 1-4000	
Rochelle Municipal Utilities	(M)		5-1000, 1-2000, 3-3000 1-4000	
Springfield Water, Light & Power Dept.	(M)	2-10000		

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Sullivan Electric Dept.	(M)		1-280, 1-300, 1-690 2-1130, 1-1500, 1-2000 2-2070, 1-4300	
Waterloo Municipal Light Plant	(M)		1-200, 1-285, 2-560 1-1700, 1-2070, 1-3000 1-3100	
Winnetka Water & Electric Dept.	(M)	1-3000, 1-5000, 1-7500 1-10000		
University of Illinois	(O)	5-3000, 2-8000		
Western Illinois Power Corp. Inc.	(O)		2-400, 2-1000, 3-1160 2-2745	
<u>Indiana</u>				
• Indiana & Michigan Electric Co.	(I)		1-4250	
Indianapolis Power & Light Co.	(I)	2-2000, 2-3000, 1-5000	5-2750	
Public Service Co. of Indiana	(I)		7-3000	
Southern Indiana Gas & Electric Co.	(I)	1-7000		
Bluffton Municipal Light & Water Plant	(M)		2-1000, 2-2500	
Frankfort Light & Power Co.	(M)	1-6000, 1-10000		
Huntingsburg Light & Water Plant	(M)	1-2000		
Peru Electric Light & Power Dept.	(M)	1-5000, 1-10000		

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Rensselaer Municipal Power Plant	(M)		1-1000, 3-2000, 2-2500 1-3000, 1-6000	
Washington Light & Power Dept.	(M)	1-3000, 3-5000		
<u>Iowa</u>				
Interstate Power Co.	(I)	1-6000, 1-7500, 2-10000	1-685, 2-1000, 2-2000	
Iowa Electric Light & Power Co.	(I)	2-4000, 1-6000, 1-8000 4-10000	Σ54 = 37,551	
Iowa-Illinois Gas & Electric Co.	(I)	1-2500, 1-5000	1-1000	
Iowa Public Service Co.	(I)	1-1000, 1-1500, 2-5000 4-7500, 6-10000	1-565, 2-730, 1-835 3-980, 11-1130, 1-1230, 1-1250, 2-2750	
Iowa Southern Utilities Co.	(I)		4-1250, 3-2000	
Ackley Municipal Light & Power Dept.	(M)		1-150, 1-250, 1-300 1-580, 1-2000	
Algona Municipal Utilities	(M)		2-700, 1-1050, 1-1500 1-2250, 1-3200, 1-4100	
Alta Municipal Power Plant	(M)		1-250, 1-1000	
Ames Municipal Electric System	(M)	1-7500	1-1000	
Anita Municipal Utilities	(M)		3-250	
Atlantic Municipal Utilities	(M)	1-3500, 1-5000, 1-6250		

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Bancroft Municipal Electric Plant	(M)		1-150, 1-200, 2-300 1-590	
Bellevue Municipal Utilities	(M)		1-640, 1-750, 1-930 1-3000	
Bloomfield Municipal Light Plant	(M)		3-300, 1-900, 1-1500 1-2700	
Brooklyn Municipal Electric Plant	(M)		2-200, 1-300, 1-600 1-1100	
Cascade Municipal Electric Dept.	(M)		1-300, 1-700, 1-800 1-2000	
Cedar Falls Utilities	(M)	2-5000		
Coggon Municipal Light Plant	(M)		1-120, 2-200, 1-650	
Coon Rapids Municipal Utilities	(M)		1-150, 1-250, 1-500 2-700, 1-1250	
Corning Municipal Utilities	(M)		1-480, 1-690, 1-980 1-1360, 1-2480	
Dayton Light & Power Dept.	(M)		1-120, 1-200, 1-390 1-675	
Dennison Municipal Electric Dept.	(M)	1-1500, 1-3000	1-1320	
Durant Municipal Electric Plant	(M)		1-150, 1-175, 1-250 2-575, 1-2070	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Estherville Municipal Light Plant	(M)		1-450, 1-1690, 1-2500 2-3000, 2-4000	
Forest City Municipal Utilities	(M)		1-700, 1-1250, 1-2750 1-3500, 1-6325	
Gowrie Municipal Utilities	(M)		1-350, 1-750, 2-1250	
Graettinger Municipal Light Plant	(M)		3-200, 1-500	
Greenfield Municipal Utilities	(M)		2-450, 1-1015, 1-1835	
Grundy Center Municipal Light & Power Dept.	(M)	1-750	1-2500, 1-3500	
Harlan Municipal Plant	(M)		1-340, 1-430, 1-700 1-1400, 1-1500, 1-2000	
Hartley Municipal Utilities	(M)		1-700, 1-1000	
Hawarden Electric Dept.	(M)		1-200, 1-520, 1-670 1-1060	
• Hopkinton Municipal Utilities	(M)		2-200, 1-1640	
Independence Municipal Light Plant	(M)		1-500, 1-725, 2-1000 1-2500, 1-3200, 1-6250	
Indianola Municipal Utilities	(M)		1-840, 1-1480, 1-1680 1-2115, 1-4000, 1-5215	
Keosauqua Municipal Light and Power	(M)		2-280, 1-480	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Kimballton Municipal Light Dept.	(M)		3-245	
Lake Mills Municipal Light & Power	(M)		1-200, 1-300, 1-900 1-1360, 1-3000	
• Lake Park Municipal Utilities	(M)		1-200, 1-700, 1-1000	
Lamoni Municipal Utilities	(M)		1-200, 1-300, 1-690 1-1180, 1-2850	
LaPorte City Municipal Utilities	(M)		1-200, 1-345, 1-550 1-840, 1-1125	
Laurens Municipal Light & Power Plant	(M)		1-250, 2-750	
Lenox Municipal Light & Power	(M)		1-300, 1-900, 1-1135	
Manilla Municipal Service Dept.	(M)		1-485, 1-645	
Manning Municipal Light Plant	(M)		2-250, 1-500, 1-610	
Mapleton Municipal Electric Plant	(M)		1-155, 2-300, 1-560	
Maquoketa Light & Power	(M)		1-800, 1-1400, 1-1655 1-1800, 1-2070, 1-2500	
McGregor Municipal Utilities	(M)		2-260, 1-545	
Milford Municipal Utilities	(M)		1-135, 1-250, 1-500 1-645	
Montezuma Municipal Light Plant	(M)		2-150, 1-200, 1-560 1-1140, 1-1750, 1-2500	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Mt. Pleasant Utilities	(M)	1-3000, 1-7500	1-1140	
Muscatine Power & Water	(M)	1-7500		
New Hampton Municipal Light Plant	(M)		1-3500, 2-6250	
Ogden Municipal Light Dept.	(M)		1-480, 1-1000, 1-2500	
Onawa Municipal Utilities	(M)		3-430, 1-920, 1-1000	
Orange City Municipal Utilities	(M)		1-400, 1-700, 1-1125 1-1400	
Osage Municipal Light & Power Dept.	(M)		2-1000, 1-2000, 1-3000 1-6000	
Paullina Municipal Light Plant	(M)		1-400, 1-1000	
Pella Municipal Power & Light Dept.	(M)	1-1500, 1-4000		
Preston Municipal Light & Power	(M)		1-235, 1-300, 2-675 1-725	
Primghar Municipal Light Dept.	(M)		1-150, 1-200, 1-600 1-630	
Remsen Municipal Utilities	(M)		1-160, 1-215, 1-300 1-770	
Renwick Municipal Light & Power Plant	(M)		1-80, 2-200	
Rockford Municipal Light Plant	(M)		1-90, 1-140, 1-250 1-490, 1-900	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Sanborn Municipal Electric Plant	(M)		2-200, 1-475, 1-580	
Sibley Municipal Utilities	(M)	1-2500	1-2070	
Sioux Center Electric Dept.	(M)		3-500	
Spencer Municipal Utilities	(M)	1-7500		
State Center Light & Power Dept.	(M)		1-250, 1-300, 1-590 1-750, 1-1250, 1-3000	
Story City Municipal Electric Utilities	(M)		1-150, 1-560, 1-750 1-1360, 1-2070	
Strawberry Point Municipal Electric Dept.	(M)		1-70, 1-150, 1-250 1-375, 1-490, 1-1140	
Stuart Municipal Utilities	(M)		1-150, 1-350, 1-700 2-1134	
Sumner Municipal Light Plant	(M)		1-250, 2-700, 1-1150 1-2670	
Tipton Municipal Utilities	(M)		2-360, 2-1000	
• Traer Municipal Utilities	(M)		1-675, 2-1140, 1-1360	
Villisca Municipal Power Plant	(M)		2-300, 1-610, 1-840	
Vinton Electric Plant	(M)		1-350, 1-500, 1-650 1-1360, 1-2500, 1-3750 1-5625	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Waverly Municipal Utilities	(M)		2-720, 1-1160, 1-1250 1-1350, 1-3500, 2-3750	
Webster City Municipal Light & Power	(M)	1-625, 1-1250, 1-2000 1-4000, 1-7500		
West Bend Municipal Light Plant	(M)		1-300, 1-980, 1-1180 1-2280	
West Liberty Municipal Electric Dept.	(M)		1-600, 1-2800	
Whittemore Electric Light & Power Plant	(M)		1-150, 1-330, 1-590 1-1140	
Wilton Municipal Light & Power System	(M)		1-130, 1-200, 1-1000 1-3000	
Winterset Municipal Utilities	(M)		1-750, 1-1500, 1-1750 1-4480	
Woodbine Municipal Light & Power Plant	(M)		2-150, 1-200, 1-300 1-780	
Central Iowa Power Cooperative	(O)	3-8000		
Corn Belt Power Cooperative	(O)	2-8000	$\Sigma 21 = 22,000$	
Iowa State University	(O)	2-3000, 1-6000		
<u>Kansas</u>				
Central Kansas Power Co.	(I)	1-3500, 3-6000, 1-7500	1-500, 7-600, 2-2000	
Kansas Gas & Electric Co.	(I)	2-10000	1-2860	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Kansas Power & Light Co.	(I)	1-10000	1-270, 1-375, 1-675	
Central Telephone & Utilities Corp., Kansas Div.	(I)	1-3000, 1-5000, 2-6000	1-345, 1-400, 2-475 2-700, 2-980, 2-1000 1-1200, 1-1485, 2-1750 2-2500, 1-3000	
Anthony Electric Dept.	(M)	1-750, 1-1500, 1-3000	1-4100	
Ashland Municipal Power Plant	(M)		1-675, 2-900, 2-1250	
Attica Municipal Water & Light Plant	(M)		2-200, 2-350, 1-560	
Augusta Municipal Power Plant	(M)		1-375, 1-730, 1-1000 1-1140, 1-2000, 2-2250 2-4000	
Belleville Municipal Electric Dept.	(M)		1-300, 2-600, 1-1000 1-1750, 1-3750, 1-5125	
Beloit Municipal Power Plant	(M)		1-750, 2-1500, 1-2000 1-3500, 1-4100	
Burlington Municipal Light Dept.	(M)		2-250, 1-750, 1-1000 1-1320	
Chanute Municipal Electric Dept.	(M)	1-1000, 1-1500, 1-2500 1-4000, 1-10000	1-1700, 2-2000	
Chetopa Municipal Power Plant	(M)		1-3760	
Clay Center Municipal Electric & Water Dept.	(M)	1-1500, 1-3000, 1-5000	1-900, 1-2070, 1-5125	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Colby Municipal Utilities	(M)		1-780, 1-900, 1-1360 1-1750, 1-2500, 2-4500	
Ellinwood Light & Water Dept.	(M)		1-590, 1-1140, 1-1400 1-2050, 1-3300	
Ellis Municipal Electric Dept.	(M)		2-572, 1-1400, 1-1500 1-2050	
Erie Water & Electric Plant	(M)		1-360, 1-635, 1-1070 1-1500	
Garnett Municipal Electric Dept.	(M)		1-400, 1-980, 2-1500 1-3700	
Girard Municipal Light & Water Dept.	(M)		1-480, 1-850, 1-1425 1-2000, 1-2750	
Goodland Electric Dept.	(M)		1-430, 1-770, 1-1000 1-1250, 2-2070, 2-2270 1-4300	
Greensburg Power & Light System	(M)		1-690, 1-1100, 1-1140 1-2050, 1-2070	
Herington Water & Electric Dept.	(M)		1-840, 1-1140, 1-1360 1-2070, 1-4300	
Hillsboro Municipal Electric Dept.	(M)		2-265, 1-360, 2-840 1-900, 1-2550	
Hoisington Municipal Electric Utility	(M)		1-200, 1-540, 1-840 1-1400, 1-2000, 1-4000	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
Holton Municipal Light & Water Dept. (M)		1-600, 1-700, 1-1750 2-2000, 1-2750, 1-4300	
Horton Electric Dept. (M)		1-565, 1-700, 1-1140 1-1350, 1-1710	
Iola Electric Dept. (M)	1-1500, 1-3000, 1-5000	3-2750	
Jetmore Municipal Electric & Water Dept. (M)		1-200, 1-450, 1-750 1-800, 1-1000, 1-1250 1-1500	
Johnson Municipal Power Plant (M)		1-230, 1-345, 1-630 1-980, 1-1540	
Kingman Municipal Light Dept. (M)		1-400, 1-500, 1-1000 1-1425, 1-2250, 1-4000	
La Crosse Electric Dept. (M)		1-250, 1-650, 2-750 1-1500	
Larned Electric Light Dept. (M)	1-1500, 1-3000, 1-8260	1-6450	1-1250
Lincoln Light & Water Works (M)		1-300, 1-550, 1-700 3-1250, 1-3500	
Lindsboro Municipal Water & Light Plant (M)		1-1500, 2-2750	
Marion Municipal Power Dept. (M)		1-560, 1-1050, 1-1200 1-1600, 1-2250	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
McPherson Board of Public Utilities (M)	1-3000, 1-5000, 1-7500 1-10000	1-1000	
Meade Municipal Light & Water Dept. (M)		1-475, 1-900, 1-1130 1-1400, 1-2050	
Mulvane Municipal Light & Water Dept. (M)		1-415, 1-2500	
Neodesha Municipal Electric Plant (M)		1-1135, 1-1250, 1-2000 1-2250, 1-2650	
Oakley Municipal Power Plant (M)		1-415, 1-575, 1-980 1-1400, 1-1625, 1-3350	
Oberlin Electric Dept. (M)		1-200, 1-775, 1-1135 1-1500, 1-1540, 1-2000	
Osage Municipal Light Plant (M)		1-680, 1-1135, 1-1250 2-2070	
Osawatomie Municipal Electric Light Dept. (M)		1-400, 1-1100, 1-1250 1-2250, 1-3100	
Osborne Municipal Light & Water Plant (M)		1-545, 1-790, 1-1190 1-2000, 1-2315	
Ottawa Utility Dept. (M)	1-2500, 1-4000	1-3500, 1-3750	
Pratt Municipal Electric Dept. (M)	1-1750, 1-3000, 1-5000	1-1500	
Protection Electric Dept. (M)		1-200, 1-300, 1-485 1-600, 2-800	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Russell Municipal Power & Light	(M)		1-750, 1-2470, 1-3000 1-3425, 1-3500, 1-5000	
St. Francis Municipal Water & Light Dept.	(M)		1-215, 1-830, 1-880 1-1500, 1-2600	
St. John Municipal Light Dept.	(M)		1-425, 1-475, 1-980 1-1750	
Sharon Springs Municipal Light & Power Dept.	(M)		1-400, 1-675, 1-1000 1-1042	
Stafford Municipal Power Plant	(M)		1-700, 2-900, 1-1365	
Sterling Municipal Light & Power	(M)		1-555, 1-1135, 1-1500 1-2650	
Stockton Municipal Electric Dept.	(M)		1-570, 2-1140, 1-1360 1-2070	
Wamego Municipal Power System	(M)		1-840, 1-1135, 1-1360 1-1365, 1-2050	
Washington Municipal Light Plant	(M)		1-500, 1-800, 1-1100 1-1400	
Wellington Municipal Utilities	(M)	1-2000, 1-4000, 1-7500	1-1000	
Wilson Municipal Water & Light Dept.	(M)		1-360, 1-410, 2-1000 1-1130, 1-1265	
Winfield Municipal Electric Light Dept.	(M)	1-3000, 1-5000, 1-10000		1-10000

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

State/Utility	Type, Number, and Size of Unit (kW_e)		
	Steam Plants	Diesel Generators	Gas Turbines
Caney Valley Electric Coop. Assoc. Inc. (O)		1-200, 1-330, 1-730 1-1240	
Central Kansas Electric Coop, Inc. (O)		2-1000, 2-1160, 2-3100	
Pioneer Electric Cooperative, Inc. (O)		3-1110, 1-1345	
<u>Kentucky</u>			
Henderson Municipal Power & Light (M)	2-5000	2-1000	
Owensboro Municipal Utilities (M)	2-7500		
Paris Municipal Electric Dept. (M)		1-5570, 1-6030	
<u>Louisiana</u>			
Central Louisiana Electric Co. Inc. (I)	2-8700		
Alexandria Municipal Power & Light Dept. (M)		1-2000, 1-4000, 2-7500	
Franklin Municipal Plant (M)		1-540, 2-1400, 2-2000 2-4100	1-10000
Homer Light & Power Dept. (M)		1-560, 1-770, 2-935 1-1000, 2-2000	
Houma Municipal Light Plant (M)		3-1200, 1-2400, 3-3500	
Jonesboro Power & Light Dept. (M)		1-560, 1-840, 1-1360 1-1420, 1-1925, 1-2000 1-2500, 1-3470, 1-3565	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Lafayette Utilities System	(M)	2-5000	1-750, 1-1250	
Lake Providence Electric Company	(M)		1-400, 1-515, 1-930 1-1400, 1-1500, 2-2000 1-4500	
Minden Utilities System	(M)		2-800, 1-1300, 1-1350 4-2000	
Monroe Utilities Commission	(M)	1-6000, 3-7500		1-10000
Morgan City Municipal Electric Plants	(M)	2-6250	1-840, 1-1125, 2-1360 2-2500	
Natchitoches Municipal Electric Light & Water Dept.	(M)	1-6250	2-700, 2-1500, 2-2750	
Plaquimine Light Dept.	(M)		1-840, 2-980, 3-2000	
Rayne Municipal Utilities	(M)		1-520, 1-800, 2-1100 2-1750	
Ruston Utilities System	(M)		2-1235	
Thibodaux Municipal Light & Power Plant	(M)		3-2000, 2-3000, 3-6250	
<u>Maine</u>				
Bangor Hydro-Electric Co.	(I)		5-1000, 9-2000	1-6000
Central Maine Power Co.	(I)	2-5000	1-250, 2-1000, 1-1760	1-4000
Maine Public Service Co.	(I)	1-9000	3-1000, 3-1400, 2-2550	

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

State/Utility	Type, Number, and Size of Unit (kW_e)		
	Steam Plants	Diesel Generators	Gas Turbines
Lubec Water & Electric District (M)		1-190, 1-900	
Eastern Maine Electric Coop. Inc. (O)		5-300, 1-1000	
Swans Island Electric Cooperative, Inc. (O)		2-100, 1-150	
<u>Maryland</u>			
Delmawa Power & Light Co. of Maryland (I)		4-2500	
Potomac Edison Co. (I)	1-10000		
Berlin Municipal Electric Plant (M)		1-200, 1-300, 1-555 1-1135, 1-1400	
Easton Utilities Commission (M)		2-700, 1-1250, 1-1400 2-2500, 1-3000, 1-3500 1-3800, 1-4120, 2-5620	
Hagerstown Municipal Electric Light Plant (M)	1-5000, 2-10000	1-1000	
<u>Massachusetts</u>			
Cambridge Electric Light Co. (I)	1-2500, 1-3500		
Holyoke Water Power Co. (I)	1-5000, 1-7500, 1-10000		
Nantucket Electric Co. (I)		1-800, 2-1250, 1-1500 1-3000, 1-5600	
New Bedford Gas & Edison Light Co. (I)		5-2750	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
New England Power Co.	(I)		5-2000, 22-2750	
Braintree Electric Light Dept.	(M)	1-4000, 1-7500, 1-10000	1-5000	
Holyoke Gas & Electric Dept.	(M)	1-5500, 2-10000		1-10000
Hudson Light & Power Dept.	(M)		1-1000, 2-2000, 2-3000 1-3600, 1-5600	
Ipswich Municipal Light Dept.	(M)		1-510, 1-600, 1-730 1-1000, 2-1135, 3-1360	
Marblehead Municipal Light Dept.	(M)		1-1135, 2-2750	
Peabody Municipal Light Plant	(M)		3-2250, 1-4250	
Shrewsbury Municipal Light Plant	(M)		5-2750	
Taunton Municipal Lighting Plant	(M)	1-5000, 1-7000, 1-10000		
<u>Michigan</u>				
Detroit Edison Co.	(I)	6-2000, 9-2500, 1-3750 1-5000, 2-6000, 5-7500 1-10000	7-2000, 55-2750	
Edison Sault Electric Co.	(I)		1-140, 1-240, 1-800 1-920, 1-2000, 1-4750	
Upper Peninsula Power Co.	(I)		1-2000, 1-2080, 2-2500	
Bessemer Light Utility	(M)		1-375, 1-875, 2-1135 1-2070	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Coldwater Board of Public Utilities	(M)	1-3000, 1-3125, 1-5000	2-1000, 1-2750, 1-3500	
Dowagiac Dept. of Public Services	(M)		1-560, 1-1050, 1-1125 1-1220	
Gladstone Light Utility	(M)	2-3000		
Grand Haven Board of Light & Power	(M)	2-10000	2-1000, 2-2715, 1-3000 1-5000, 1-7000	
Hart Hydro-Electric Dept.	(M)		1-410, 1-555, 1-980 1-1690	
Hillsdale Board of Public Utilities	(M)		1-1500, 1-2500, 1-3200 1-3700, 1-5600, 1-6000	
Holland Board of Public Works	(M)	2-7500		
Lansing Board of Water & Light	(M)	1-2500, 1-4000		
Lowell Light & Power Plant	(M)		1-860, 2-1135, 1-1365 1-1400	
Marquette Board of Light & Power	(M)		2-850, 1-1000, 1-1980 1-2120, 1-2750, 2-3640	
Marshall City Water & Electric Works	(M)		1-1000, 1-1130, 1-1170 1-1680, 1-2070	
Newberry Light Plant	(M)		1-720, 1-740, 1-3080	
Portland Electric Dept.	(M)		1-340, 1-820	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
St. Louis Municipal Electric	(M)		1-485, 1-690, 1-930 1-1360	
Sebewaing Municipal Electric Light Plant	(M)		1-350, 1-600, 1-900 1-1000, 2-1100, 1-1136 1-1300	
Sturgis Municipal Electric Plant	(M)		2-800, 2-1000, 1-1750	
Traverse City Light & Power Dept.	(M)		1-2500, 1-5000, 1-7500	
Union City Light & Power Dept. Works	(M)		3-300	
Zeeland Board of Public Works	(M)		1-475, 1-980, 1-1170 1-1290, 1-1360, 1-1800 1-2000, 1-4450, 1-5600	
Cloverland Electric Cooperative	(O)		3-1000, 2-3000, 2-3080	
Michigan State University	(O)	1-6000		
Northern Michigan Electric Coop. Inc.	(O)	2-7500		
Thumb Electric Coop. of Michigan	(O)	1-3000, 1-4000	1-640, 2-735, 1-980	
Wolverine Electric Cooperative, Inc.	(O)		8-400, 2-500, 5-700 2-1000, 3-1100, 1-1200 1-1900, 3-2500, 2-3000 1-3500	
<u>Minnesota</u>				
Interstate Power Co.	(I)	1-5000, 1-6000, 1-7500		

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Northern States Power Co.	(I)		1-600, 2-850, 4-900 15-975, 4-1000, 6-2700	
Otter Tail Power Co.	(I)	1-7500	1-200, 12-400, 1-500 3-600, 9-1000, 2-1200 2-1700	
Rainy River Improvement Co.	(I)		2-4000, 1-6250, 2-7500	
Aitkin Public Utilities Commission	(M)		4-640	
Alexandria Board of Public Works	(M)	1-750, 1-1500, 1-3000	1-1250, 2-4000	
Austin Utilities	(M)	1-4000, 1-5500, 1-8750		1-6250
Barnesville Municipal Light Dept.	(M)		2-470, 1-500	
Baudette Municipal Light Plant	(M)		1-200, 2-300, 1-1135	
Benson Water & Light Dept.	(M)		1-340, 1-600, 1-925 1-1250	
Blooming Prairie Public Utilities	(M)		1-300, 1-690, 1-1210 1-1400	
Blue Earth Light & Water Dept.	(M)	1-625, 1-1875, 1-2500	1-1875, 1-3500	
Buhl Public Utilities Dept.	(M)	1-550	1-650	
Delano Municipal Power Plant	(M)		1-300, 1-840, 2-1140 1-1365	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Detroit Lakes Municipal Utilities	(M)	1-2000, 1-4000		1-10000
Elk River Municipal Utilities	(M)		2-500, 1-3000, 1-5000	
Fairfax Municipal Power Plant	(M)		1-200, 1-300, 1-600 1-900	
Fairmont Public Utilities Commission	(M)	1-1500, 2-5000		
Fosston Municipal Light & Power	(M)		3-320	
Glencoe Municipal Electric Plant	(M)		1-300, 1-620, 1-960 2-1360, 1-4100, 1-5600	
Grand Marais Public Utilities Comm.	(M)		1-150, 1-290, 1-570 1-675, 1-1135, 1-1200	
Halstad Municipal Utilities	(M)		1-200, 1-300, 1-560	
Hawley Public Utilities Commission	(M)		5-290	
Hibbing Public Utilities Commission	(M)	1-1500, 1-2500, 1-5000 1-10000		
Hutchinson Utilities Commission	(M)		2-2000, 2-1400, 2-4000 1-5000	
Jackson Electric Light Plant	(M)	1-2000	1-300, 1-600	
Janesville Municipal Utilities	(M)		1-675, 1-1135, 1-1365	
Kenyon Municipal Utilities	(M)		2-250, 1-650, 1-1250	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Lake Crystal Light & Power Comm.	(M)		1-300, 1-675, 1-1250 1-2070	
Lakefield Public Utilities	(M)		1-180, 1-300, 1-605 1-980	
Lanesboro Public Utilities	(M)		1-300, 1-415, 1-1000	
LeSueur Municipal Utilities	(M)		1-260, 1-435, 1-670 1-1250, 1-1385	
Litchfield Public Utilities Comm.	(M)	1-3500	1-600, 2-1000, 1-1400 2-2200	
Luverne Municipal Utilities	(M)	1-3000	1-300, 1-620, 1-3500	
Madelia Municipal Light & Power Plant	(M)		1-1140, 1-1360, 1-2000 1-4300	
Madison Municipal Utilities	(M)	1-1850	2-540	
Marshall Municipal Utilities	(M)	1-3000	1-605, 1-980, 1-1135 1-1250	
Melrose Municipal Power & Light Dept.	(M)		1-975, 1-1135, 2-3000	
Moorhead Public Service Dept.	(M)	2-3000, 1-6000		1-10000
Moose Lake Water & Light Comm.	(M)		1-250, 1-1135, 2-1360	
Mora Municipal Electric Utility	(M)		1-1135, 1-1245, 1-2500 1-5750, 1-7000	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
● Mountain Iron Municipal Light Dept.	(M)	1-200, 1-1000	1-200	
Mountain Lake Municipal Utilities	(M)		1-185, 1-690, 1-1135 1-1360, 1-2070	
New Prague Municipal Utilities	(M)		1-500, 1-1200, 1-2350 1-3500, 1-4400	
New Ulm Public Utilities Commission	(M)	1-2500, 2-6000		
North Branch Light & Power Comm.	(M)		1-300, 1-900, 1-1365	
Owatonna Public Utilities	(M)	1-500, 1-1500, 1-2500 1-4000, 1-6000		
Preston Public Utilities	(M)		1-100, 1-200, 1-300 1-700, 1-1175, 1-2080	
Princeton Power & Light Dept.	(M)		2-250, 1-1000, 1-1200 1-2400, 1-2750	
Redwood Falls Public Utilities Comm.	(M)		2-300, 1-750, 1-2100 1-5600	
Rochester Public Utility Dept.	(M)	1-5000, 2-8000		
Roseau Municipal Water & Light Plant	(M)		1-560, 1-1360, 1-1420	
Sleepy Eye Public Utilities	(M)	1-1250, 1-2000	1-620, 1-1500	
Springfield Public Utilities	(M)	1-750, 1-1000, 1-2000 1-4000		

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

State/Utility	Type, Number, and Size of Unit (kW_e)		
	Steam Plants	Diesel Generators	Gas Turbines
Spring Valley Water & Light Comm. (M)		1-840, 1-1130, 1-2000 1-4400	
Thief River Falls Water & Light Dept. (M)		1-1000, 1-1135, 1-1360 1-1945	
Truman Municipal Power Plant (M)		2-200, 1-700, 1-800 1-2280	
Two Harbors Municipal Water & Light Power (M)	1-2500, 1-3500	1-2070	
Tyler Municipal Light & Power Dept. (M)		1-160, 1-185, 1-350 1-455	
Virginia Dept. of Public Utilities (M)	1-1000, 1-1500, 1-2500 1-5000, 1-7500		
Warren Water, Light & Power Dept. (M)		1-200, 1-250, 1-575 1-1135	
Wells Public Utilities (M)		1-1135, 2-1360, 1-2050 1-2270	
Westbrook Municipal Light & Power Plant (M)		1-150, 1-200, 1-480 1-675	
Willmar Municipal Utilities Comm. (M)	1-4000, 1-7500		
Windom Municipal Utilities (M)	1-1000, 1-2000	2-500	
Worthington Municipal Public Utilities (M)	1-2500, 1-4000, 1-10000		

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
• Agralite Cooperative	(O)		5-1305	
Cooperative Power Association	(O)		1-165, 1-525, 1-1180 4-1230, 2-1300, 3-1310 1-1400, 1-2100	
Dairyland Power Cooperative	(O)		4-2500	
• Federated Rural Electric Association	(O)		4-1230	
Minnkota Power Cooperative, Inc.	(O)		2-160, 1-520, 3-960 2-1135	
United Power Association	(O)		3-350, 1-550, 4-725 3-1000, 2-1070, 3-1100 1-1360, 2-1600, 2-2500	
<u>Mississippi</u>				
Clarkdale Public Utilities Commission	(M)	1-4500, 1-7000, 2-9000		
Greenwood Utilities	(M)	1-2500, 1-3500, 2-5000 1-7500		
Kosciusko Light & Water Plant	(M)		1-240, 1-465, 1-840	
Yazoo City Public Service Comm.	(M)	1-5000		
<u>Missouri</u>				
Empire District Electric Co.	(I)	2-10000		
Kansas City Power & Light Co.	(I)	1-5000		

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Missouri Power & Light Co.	(I)	1-7500	1-500, 1-535, 2-840 4-1000, 1-1135, 2-1140	
Missouri Public Service Co.	(I)	2-8000		
Missouri Utilities Co.	(I)		1-2000	
Union Electric Co.	(I)	1-10000		
Bethany Municipal Utilities	(M)		1-400, 1-690, 1-1125 1-1750, 1-2070	
Butler Municipal Utilities	(M)		1-375, 1-710, 1-840 3-1400	
California Municipal Utilities	(M)		1-240, 1-290, 1-555	
Cameron Light & Water Dept.	(M)		1-465, 1-510, 1-690 1-1135	
Carrollton Municipal Utilities	(M)		2-350, 1-840, 1-900 1-1500, 2-1825, 1-2500 1-4100, 1-6250	
Carthage Water & Electric Plant	(M)		1-2250, 1-2500, 1-3000 1-4215, 2-4415, 1-6250	
Chillicothe Municipal Utilities	(M)	1-1500, 1-2500, 1-5000 1-6000		
Columbia Water & Light Dept.	(M)	1-4000, 1-5000, 1-7500		

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Fayette Water & Light Dept.	(M)		1-155, 1-240, 1-430 1-475, 1-1125, 1-1400	
Fulton Board of Public Works	(M)	1-1000, 1-1500, 1-3000 1-6000	2-4150, 1-6250	
Gallatin Municipal Utilities	(M)		1-150, 2-200, 1-300 1-1125	
• Hannibal Board of Public Works	(M)	1-7500		
Higginsville Municipal Utilities	(M)		1-700, 1-1050, 1-2110	
Jackson Municipal Power & Light Dept.	(M)		1-700, 4-1000, 1-1050 2-6800	
Kahoka Municipal Electric Light & Water Plant	(M)		1-200, 1-300, 1-785 1-900	
Kennett Board of Public Works	(M)		2-400, 1-855, 1-1400 1-2000, 2-2500, 1-3100 3-6250	
Laplata Municipal Power & Light Plant	(M)		3-200, 1-300, 1-900	
Macon Municipal Utilities	(M)		1-1500, 1-5000, 1-5200	
Malden Light & Water Dept.	(M)		1-390, 1-555, 1-980 1-1360, 1-1400, 1-2050	
Marceline Power & Light	(M)		1-1000, 1-1250, 1-2750 1-5125	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
Marshall Municipal Utilities (M)	1-1500, 1-2500, 1-4000 1-6000		
Memphis Municipal Light & Water Dept.(M)		1-250, 1-290, 2-375 1-850, 1-1125, 1-1420 1-1700, 1-1705	
Monroe City Municipal Light Dept. (M)		1-1135, 1-1175, 1-1360 1-2070, 1-2270	
New Madrid Municipal Light & Power Dept. (M)		1-700, 1-4125	
Odessa Municipal Light Plant (M)		1-285, 1-550, 1-700 1-1250, 1-2050	
Owensville Municipal Utilities (M)		3-150, 1-300, 1-1360	
Palmyra Light & Water Dept. (M)		2-500, 1-800, 1-1000 1-1500, 1-2070	
• Pattonsburg Municipal Electric Light Dept. (M)		2-100, 1-200, 1-400	
Pleasant Hill Municipal Utilities (M)		2-300, 1-475, 1-1000 1-1750, 1-2500	
Poplar Bluff Light & Water-Sewer Dept. (M)		2-7000	
Princeton Electric Dept. (M)		1-200, 1-300, 1-925	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Rockport Board of Public Works	(M)		1-400, 1-500, 2-1135 1-1400	
Sikeston Board of Public Utilities	(M)	1-6000	2-2000, 1-5000	
Stanberry Light, Power & Water Dept.	(M)		3-300, 1-350, 2-1140	
Trenton Municipal Utilities	(M)		3-450, 1-980, 1-1000 1-1125, 1-1250, 4-2750	
Unionville Municipal Power & Light Dept.	(M)		1-250, 2-380, 1-800 1-1000, 1-1130, 1-1360 1-1550	
Vandalia Municipal Utilities	(M)		2-275, 1-700, 1-980 2-1000, 1-1250	
M & A Electric Power Cooperative	(O)		4-2340	
Northeast Missouri Electric Power Coop.	(O)	2-7500	3-2480	
<u>Montana</u>				
Montana Light & Power Co.	(I)	1-800, 1-5000, 1-7500		
Montana-Dakota Utilities Co.	(I)	1-2000, 1-5000		1-2000
<u>Nebraska</u>				
Alliance Municipal Utilities	(M)	2-2000, 1-5000, 1-7500		

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Alma Municipal Light Dept.	(M)		1-400, 1-475, 1-900 2-1360	
Arnoid Light & Water Dept.	(M)		1-120, 1-200, 1-300 1-560	
Auburn Board of Public Works	(M)		1-800, 2-1000, 1-1140 1-2750, 1-3350	
Beaver City Light & Water Dept.	(M)		1-190, 1-300, 1-350 1-500, 1-910	
Blair Dept. of Utilities	(M)		1-600, 1-775, 1-1215 1-2500, 1-3500, 1-5600	
Blue Hill Light & Water Dept.	(M)		1-90, 1-225, 1-450 1-900	
Broken Bow Municipal Utilities	(M)		1-500, 2-800, 1-1000 1-2100, 1-3500	
Burwell Municipal Utilities	(M)		1-475, 1-675, 1-900 1-1140, 1-1365	
Callaway Municipal Light Plant	(M)		2-200, 1-500	
Campbell Municipal Electric Light & Power Dept.	(M)		1-20, 1-100, 1-200	
Crete Municipal Utilities	(M)		1-410, 1-980, 1-1125 1-1360, 1-2500, 1-3300 1-5600	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Curtis Light & Water Dept.	(M)		1-390, 1-900, 1-1140 1-1360	
David City Light & Water Dept.	(M)		2-1000, 1-1500, 1-2250	
Deshler Municipal Utilities	(M)		1-200, 2-300, 1-500	
Emerson Municipal Utilities	(M)		1-100, 1-150, 1-155 1-450, 1-1140	
Fairbury Light & Water Dept.	(M)	1-2000, 1-2500, 1-4000		
Falls City Water & Light Dept.	(M)		1-675, 1-980, 1-1125 1-1985, 1-2500, 1-2750 1-6300	
Franklin Light & Water Dept.	(M)		1-675, 1-890, 1-1120 1-1275	
Fremont Dept. of Utilities	(M)	1-2000, 2-3000, 1-5000		
Grand Island Electric Dept.	(M)	2-2500, 1-5000, 1-7500		
• Hastings Utilities Dept.	(M)	1-3500, 2-6000		
• Holbrook Municipal Light & Water Dept.	(M)		1-100, 1-300	
Holdrege Municipal Light & Power	(M)		2-535, 1-1400	
Imperial Light & Water Plant	(M)		2-300	
Kimball Municipal Utilities	(M)		1-900, 2-1000, 2-1250 1-3900	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Laurel Municipal Electric Plant	(M)		1-200, 1-300, 1-450 1-675, 1-900, 1-1375	
Lincoln Electric System	(M)	1-6500		
Lyons Municipal Utilities	(M)		2-300, 1-485, 1-800 1-1200	
Madison Municipal Light & Power Dept.	(M)		1-690, 1-1135, 1-1360 1-2070	
Mullen Municipal Light & Water Plant	(M)		1-475, 1-715	
Nebraska City Utilities	(M)		1-1500, 3-2000, 1-3100 1-4100, 1-6415	
Ord Light & Water Dept.	(M)		1-500, 1-1000, 1-1200 1-1500, 1-2500, 1-5000	
Oxford Municipal Light & Water Plant	(M)		1-550, 2-960, 1-1280 1-1360	
Pender Municipal Light Plant	(M)		1-250, 1-560, 1-900 1-1550, 1-2070	
Plainview Electric Dept.	(M)		1-900, 1-1000, 1-1250	
Randolph Municipal Electric Light Plant	(M)		1-150, 1-500, 1-900 1-1365	
Red Cloud Municipal Light & Power Dept.	(M)		1-555, 1-925, 2-1360	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Sargent Municipal Power Plant	(M)		1-155, 1-450, 1-900 1-1140	
Schuyler Department of Utilities	(M)		2-1250, 1-2500, 1-5000	
Sidney Electric Utility	(M)		1-675, 1-1000, 1-1225 1-2160, 1-3125	
Spalding Municipal Light Plant	(M)		1-100, 1-200, 1-490 1-1365	
Stratton Municipal Ice, Light & Water Dept.	(M)		1-500	
Stuart Municipal Water & Power Dept.	(M)		1-150, 1-250, 1-275 1-675	
Sutherland Municipal Light Dept.	(M)		1-170, 1-440, 1-900 1-1360	
Tecumseh Department of Utilities	(M)		1-500, 1-755, 1-1185 1-1360, 1-1550	
Trenton Municipal Electric Dept.	(M)		1-200, 1-300, 1-500	
Wahoo Municipal Light Dept.	(M)		1-500, 1-1125, 1-2000 1-2100, 1-2500, 1-3500	
Wakefield Light & Water Dept.	(M)		1-200, 1-675, 1-900 1-1360, 1-1365	
Wauneta Municipal Utilities	(M)		1-1000	

Identification of Small ($\leq 10 \text{ MW}_e$)-Power Units in the United States (Cont'd)

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Wayne Municipal Light Dept.	(M)		1-1000, 1-1500, 2-2000 1-3500, 1-5125	
West Point Light & Water Works	(M)		1-500, 1-900, 1-1250 1-2315, 1-4100	
Wilber Utilities Dept.	(M)		2-220, 1-310, 1-780 1-960	
• Wisner Municipal Electric Light & Water Dept.	(M)	1-460, 1-645, 1-800		
University of Nebraska	(O)	2-1500, 1-3000		
Nebraska Public Power District	(O)	1-2900, 1-5600, 2-8500	4-1460	
• Southwest Public Power District	(O)		1-330	
<u>Nevada</u>				
California-Pacific Utilities	(I)		1-250, 1-500, 1-1000 2-1250, 1-1810	
Nevada Power Co.	(I)		12-2500	
Sierra Pacific Power Co.	(I)		2-950, 11-2000, 2-2780	
<u>New Hampshire</u>				
Public Service Co. of New Hampshire	(I)	1-2500, 1-5000, 1-6000 1-7500	3-1000	
Wolfeboro Municipal Electric Dept.	(M)		1-240, 1-300, 2-550 2-780, 1-1135	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
<u>New Jersey</u>			
Public Service Electric & Gas Co. (I)		2-1000, 2-2000	
• South River Utility (M)		2-1210	
Vineland Electric Utility (M)	2-4000, 1-5000, 1-7000		
<u>New Mexico</u>			
Public Service of New Mexico (I)	1-5500, 3-6500, 1-8200		
Southwestern Public Service (I)	1-5000, 1-7500		
Clayton Municipal Electric System (M)		1-125, 1-340, 1-575 2-900, 1-1200	
Farmington Electric Utility (M)	2-4000, 1-7500		
Raton Public Service Co. (M)	1-3600, 1-6600		
Tucumcari Light & Power Dept. (M)		2-1000, 2-1320, 2-2250 1-3000, 1-4100	
Lea County Electric Cooperative, Inc. (O)		3-1010, 4-2250, 2-4000	
<u>New York</u>			
Central Hudson Gas & Electric Coop. (I)		2-2500	
Long Island Lighting Co. (I)		6-2000	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
New York State Electric & Gas Corp.	(I)		1-100, 2-120, 1-150 1-200, 3-760, 1-1750 2-2750	
Niagara Mohawk Power Corp.	(I)		4-700, 2-1000, 2-2500	
Rochester Gas & Electric Corp.	(I)	2-3000, 1-5000, 2-6000 1-7500, 1-10000		
Freeport Electric Dept.	(M)		1-1740, 1-2710, 1-3100 1-5150, 2-9700	
Greene Electric Dept.	(M)		1-200	
Greenport Electric Dept.	(M)		1-270, 1-420, 1-720 1-1250, 1-1875, 1-3840	
Jamestown Board of Public Utilities	(M)	1-5000		
Rockville Center Electric Dept.	(M)		3-2000, 1-2720, 2-3210 1-5150, 2-5500	
U.S. Military Academy	(O)	3-1000, 1-1500		
<u>North Carolina</u>				
Duke Power Co.	(I)		4-3500	
Cape Hatteras Electric Membership Corp.	(O)		2-250, 2-450, 1-1200	
Ocracoke Electric Membership Corp.	(O)		1-100, 1-185, 1-345	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
University of North Carolina	(O)	1-2500, 1-10000		
<u>North Dakota</u>				
Montana-Dakota Utilities Co.	(I)	1-2000, 1-2500, 1-3500 1-7500	2-1700	2-4000
Northern States Power Co.	(I)		2-735, 3-890	
Otter Tail Power Co.	(I)		8-400, 2-600, 5-1000	
• Cavalier Light & Power Dept.	(M)		2-250, 1-500	
Grafton Light & Water Dept.	(M)		1-760, 1-1000, 2-1200	
Northwood Municipal Light & Power Dept.	(M)		1-675, 1-1140	
Park River Municipal Light Dept.	(M)		1-200, 1-300, 1-475	
Valley City Municipal Utility	(M)		2-1350	
Minnekota Power Cooperative, Inc.	(O)	2-5000	3-720, 3-1000, 5-1135 3-1600	
<u>Ohio</u>				
Cleveland Electric Illuminating Co.	(I)		1-4000	
The Dayton Power & Light Co.	(I)		18-2750	
Ohio Edison Co.	(I)	1-1500, 1-2500, 1-3000 1-6000	1-1000, 4-1600	
Ohio Power Co.	(I)	2-5000, 1-7500, 2-10000	3-650	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Toledo Edison Co.	(I)	1-5000		
Arcanum Water & Light Plant	(M)		1-500, 1-800	
Bryan Municipal Light & Water Utilities	(M)		1-2500	1-5700
Columbus, Division of Electricity	(M)	1-3000, 1-7000, 1-7500		
Dover Light & Power	(M)	1-2000, 1-4000, 1-7500	1-2665	
Hamilton Dept. of Public Utilities	(M)	2-10000		
Lebanon Municipal Electric Light Dept.	(M)		1-700, 2-1275, 1-2000 1-3250, 1-5600	1-6000
Newton Falls Municipal Light Plant	(M)		1-300, 1-475, 3-1000 1-1750, 1-2750	
Oberlin Municipal Light & Power System	(M)		1-610, 1-1135, 1-2000 1-2500, 1-2650, 1-3000	
Orville Municipal Utilities	(M)	1-1500, 1-2500, 1-5000 1-7500	1-600	
Painesville Electric Division	(M)	1-2500, 1-4000, 2-7500		
Piqua Municipal Power System	(M)	1-1000, 1-7500		
St. Mary's Municipal Light & Power	(M)	1-1000, 2-2500, 1-6000 1-10000		1-880
Shelly Municipal Electric Plant	(M)	1-6000, 1-7500	1-3000	

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

State/Utility	Type, Number, and Size of Unit (kW_e)		
	Steam Plants	Diesel Generators	Gas Turbines
Tipp City Municipal Power Plant (M)		2-1240	
Woodfield Electric Light Plant (M)		2-200, 1-600, 1-1250 1-1540, 1-2150	
<u>Oklahoma</u>			
Oklahoma Gas & Electric Co. (I)	1-8000	2-1000, 1-2000	2-4000
Public Service Co. of Oklahoma (I)		6-2000, 4-2750	
Anadarko Public Works Authority (M)		1-500, 1-690, 3-1350 1-2050	
Cushing Electric Dept. (M)	1-1000, 1-1500	3-500, 1-800, 1-1000 3-2500, 1-3000, 1-4485	
• Fairview Municipal Water & Light Dept. (M)		1-1200	
• Kingfisher Municipal Light Dept. (M)	1-1000, 1-1500	1-600, 1-1000, 1-1250 1-2800, 1-3075	
Laverne Municipal Electric Light Plant (M)		1-1090	
Lindsay Light & Power Dept. (M)		1-300, 1-475, 1-1000 1-1130, 1-1135, 1-1360 1-1500, 1-3075	
Mangum Light & Power Dept. (M)		1-375, 1-565, 1-1125 1-1500, 1-2000, 1-2070	
Marlow Electric Dept. (M)		1-410, 1-690, 2-900 1-1135, 1-1800	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Newkirk Light & Water Dept.	(M)		1-550, 2-700, 1-1000 1-1135, 1-1500	
• Okeene Municipal Power Plant	(M)		1-350, 1-490, 1-2270	
• Pawhuska Light Dept.	(M)		1-1400, 1-2000, 1-2200 1-3100	
Ponca City Municipal Water & Light Dept.	(M)		1-1595, 2-2000, 1-2300 1-3000, 1-3100, 1-4800 1-5500	
Stillwater Electric Dept.	(M)	1-10000		
Tonkawa Light & Water Dept.	(M)		1-350, 1-450, 2-800 1-1500, 1-2500	
• Western Farmers Electric Cooperative	(O)		4-1100	
Grand River Electric Cooperative	(O)	4-5000		
<u>Oregon</u>				
Pacific Power & Light Co.	(I)	1-7500, 1-8000		
Eugene Water & Electric Board	(M)	1-7300, 1-10000		
• McMinnville Water & Light Dept.	(M)		1-1000	
<u>Pennsylvania</u>				
Metropolitan Edison Co.	(I)	1-3000		
Pennsylvania Electric Co.	(I)	1-10000	8-2000, 8-2700	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Pennsylvania Power & Light Co.	(I)		5-2750	
Philadelphia Electric Co.	(I)		4-2000, 7-2750	
Chambersburg Municipal Electric Co.	(M)		2-2100	
Pennsylvania State University	(O)	1-2500, 1-4000		
<u>Rhode Island</u>				
Black Island Power Co.	(I)		1-30, 1-150, 1-200 1-225, 1-275, 1-400 1-500, 2-1000	
The Narragansett Electric Co.	(I)		2-2750	
Newport Electric Corp.	(I)	3-4500	4-2000, 2-2750	
<u>South Carolina</u>				
Lockhart Power Co.	(I)	1-5000		
South Carolina Gas & Light Co.	(I)			1-5000
● Abbeville Water & Electric Plant	(M)		1-1124	
<u>South Dakota</u>				
Black Hills Power & Light Co.	(I)	3-5000	5-2000	
Montana-Dakota Power Co.	(I)		2-1700	
Northern States Power Co.	(I)		4-600	
Otter Tail Power Co.	(I)		3-400, 1-600, 3-1000	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Arlington Light Dept.	(M)		2-200, 1-300	
Beresford Municipal Power Dept.	(M)		1-300, 1-700	
• Bryant Municipal Light & Power Dept.	(M)		1-200	
Elk Point Municipal Light & Power Dept.	(M)		1-100, 1-200, 1-450 1-750	
Estelline Municipal Light & Power Dept.	(M)		1-40, 1-75, 1-200 1-300	
• Flandreau Light & Power Dept.	(M)		2-250, 1-400, 1-600	
• Howard Municipal Power Dept.	(M)		2-250	
Madison Municipal Light & Power Dept.	(M)		2-170, 1-240, 1-410 1-700, 1-1500	
• Onida Light & Power Dept.	(M)		1-200, 1-300	
• Parker Light Dept.	(M)		1-300, 1-700	
Pierre Municipal Power & Light Dept.	(M)		2-500, 1-700, 1-1430 1-2100	
Sioux Falls Municipal Light & Power Dept.	(M)		1-270, 1-700, 1-870 1-1000	
Tyndall Light & Water Dept.	(M)		1-200, 1-300, 1-565	
Vermillion Municipal Light Dept.	(M)		2-360, 1-840, 1-900	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
• Wessington Springs Municipal Electric Plant (M)		1-200, 1-440, 1-550	
Winner Municipal Plant (M)		2-690	
<u>Tennessee</u>			
None			
<u>Texas</u>			
Central Power & Light Co. (I)	1-10000		
Houston Lighting & Power Co. (I)	1-1875, 1-4000, 1-5000 1-10000		
Southwestern Public Service Co. (I)	1-10000		
Texas Electric Service Co. (I)		3-1135	
Texas Power & Light Co. (I)		2-1000, 2-2250, 1-4000 1-6000, 1-10000	1-4500
*West Texas Utilities Co. (I)	1-7500	2-240, 1-350, 1-1000 2-1135	1-5000
Baird Municipal Power Plant (M)		4-1250	
Brady Water & Light Works (M)		1-1250, 2-1500, 2-2500 2-3000, 1-3100, 1-4100	
Brownfield Municipal Light & Power Plant (M)		1-1725, 1-2000, 1-3000 1-3050, 1-3300	1-5820
Brownsville Public Utilities Board (M)	1-6000		

* All diesel generators are on standby.

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
Bryan Municipal Electric System (M)	2-5000		
Coleman Municipal Power & Light Dept. (M)	1-750	1-1000, 2-1250, 1-1365 2-1500, 1-1550, 1-2250 1-2500	
Commerce Light & Power Dept. (M)		1-850, 1-1275, 1-1300 1-1540, 2-1750	
Crosbyton Power & Light System (M)		1-250, 2-650, 1-750 1-900	
Denton Municipal Utilities (M)		1-2000, 4-2500	
Garland Electric Dept. (M)	2-8500	2-800, 1-2100, 1-3400	
Greenville Municipal Light & Power Dept. (M)		1-800, 1-1000, 1-1410 1-1690, 1-1950, 1-2875 1-3000, 1-4500	
• Hallettsville Municipal Utilities (M)		2-155, 1-340, 1-475	
Hearne Municipal Electric System (M)		1-700, 1-1215, 1-1360 1-2000, 1-2500	
Jasper Electric System (M)		1-300, 1-900, 1-1000 2-1250, 1-1360	
• Kirbyville Light & Power Co. (M)		4-100, 1-450	
• Lubbock Power & Light Co. (M)		1-900, 1-1000, 1-1250 1-1500, 2-2250, 2-2500	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Robstown Utility System	(M)		2-670, 2-1000, 1-2050 2-2400, 1-2450, 1-2650 1-4150, 1-5000	
• Sanger Electric System	(M)		1-75, 1-125, 1-450 1-750	
• Seguin Electric System	(M)		1-250	
Tulia Power & Light Co.	(M)		2-360, 1-475, 1-1030 2-1135, 1-1710, 2-1815 1-4800	
Vernon Municipal Utility System	(M)		1-550, 1-950, 2-1360 1-1660, 1-2450, 1-4160	
Weatherford Electric Light & Water System	(M)		3-300, 2-840, 3-1200	
Whitesboro Municipal Light & Power Dept.	(M)		1-990, 1-1210	
Texas A&M University	(O)	1-1000, 1-3000, 1-5000		
<u>Utah</u>				
Bountiful Electric Light & Power	(M)		1-150, 1-400, 1-625 2-1000, 2-1250, 1-2000	
Logan City Municipal Light Dept.	(M)		1-780, 1-975, 1-1565 1-1875, 1-2210	
Murray City Power & Light Dept.	(M)		2-1200, 1-2200, 1-2500	

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Provo City Utility Dept.	(M)	2-2000, 1-2500, 1-7500		
St. George City Utility Commission	(M)		1-375, 1-1180, 1-1200 1-1250, 1-2865	
• Garkane Power Association, Inc.	(O)		2-1200	
<u>Vermont</u>				
Central Vermont Public Service Corp.	(I)	1-4000	2-1250	2-6000
Citizens Utility Co.	(I)		7-1135	
Green Mountain Power Co.	(I)		4-1000, 2-2000	
Burlington Electric Dept.	(M)	3-10000		
Enosburg Falls Water & Light Dept.	(M)		1-150, 1-600	
Hardwick Electric Light Dept.	(M)		1-600	
<u>Virginia</u>				
Delmarva Power & Light Co. of Virginia	(I)		1-300, 2-500, 2-600 6-2000	
• Blackstone Light & Power	(M)		1-200, 1-550	
Culpepper Municipal Light & Power Dept.	(M)		1-520, 1-855, 1-920 1-1220, 1-1500	2-800
Danville Water, Gas & Electric Depts.	(M)	1-6000		

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
Accomack-Northampton Electric Coop. (O)		1-225, 1-300, 1-500 1-730, 1-1050	
Virginia Polytechnic Heat & Power Plant (O)	1-800		1-6200
<u>Washington</u>			
• Puget Sound Power & Light Co. (I)		1-2500	
• Orcas Power & Light Co. (O)		1-50, 2-75, 7-200 3-250, 2-500, 2-1000	
<u>West Virginia</u>			
None			
<u>Wisconsin</u>			
Dahlberg Light & Power Co. (I)		1-400, 1-700	
Lake Superior District Power Co. (I)	3-5000	4-1000	
Madison Gas & Electric Co. (I)	1-5000, 1-10000		
Northern States Power Co. (I)		2-900, 3-1000, 2-1200	
Northwestern Wisconsin Electric Co. (I)		2-500, 1-600, 4-700 2-750, 1-1000, 2-1835 1-2600	
Wisconsin Electric Power Co. (I)	4-7700		
Wisconsin Public Service Co. (I)	2-10000	2-2000	

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

State/Utility		Type, Number, and Size of Unit (kW_e)		
		Steam Plants	Diesel Generators	Gas Turbines
Arcadia Electric Utilities	(M)		1-240, 1-475, 1-980 1-1360, 1-3090	
Argyle Municipal Electric & Water Utility Plant	(M)		1-300, 1-1135	
Barron Light & Water Dept.	(M)		2-160, 1-400, 1-730 1-980, 1-1360, 1-2000	
Black River Falls Municipal Electric & Water Utility	(M)		1-345, 1-520, 1-925 1-1420	
Cashton Light & Water Dept.	(M)		1-300, 1-415, 1-1140	
Cedarburg Light & Water Commission	(M)		1-2000, 1-4000	
Cumberland Municipal Utility	(M)		2-300, 1-713, 1-1360 1-2050	
Elroy Municipal Light & Water Dept.	(M)		1-70, 1-155, 1-200 1-300, 1-2080	
Fennimore Municipal Utilities	(M)		1-200, 1-970, 1-1135	
• Gresham Municipal Light & Power Dept.	(M)		1-150, 1-250, 1-285	
Kaukauna Electric & Water Dept.	(M)		3-2000	
• LaFarge Municipal Electric Co.	(M)		1-70, 1-155	
Manitowac Public Utilities	(M)	1-5000, 2-10000		

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

State/Utility		Type, Number, and Size of Unit (kW _e)		
		Steam Plants	Diesel Generators	Gas Turbines
Marshfield Electric & Water Dept.	(M)	1-2500, 1-4000, 1-6000		
Menasha Electric & Water Utilities	(M)	2-4395, 1-8975	1-850	
• Merrilan Electric Light & Water Dept.	(M)		1-75, 1-90	
New Lisbon Electric & Water Dept.	(M)		1-75, 1-200, 1-390 1-1360, 1-2410	
• Plymouth Utilities Commission	(M)		1-300	
Richland Center Municipal Utilities	(M)	1-1250, 1-1500, 1-4000 1-7500		
River Falls Municipal Utility	(M)		1-400, 1-515, 1-1125 1-2050, 1-2655, 1-6000	
• Two Rivers Water & Light Dept.	(M)		1-125	
• Viola Municipal Electric Utility	(M)		1-415, 1-665	
Dairyland Power Cooperative	(O)	1-2300, 1-3100, 1-4000 1-4400		
University of Wisconsin	(O)	1-3000		
Washington Island Electric Coop, Inc.	(O)		2-100, 1-250, 1-270 1-500, 1-900	
<u>Wyoming</u>				
Black Hills Power & Light Co.	(I)	1-1500, 1-2000, 1-3000	1-1000	

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

State/Utility	Type, Number, and Size of Unit (kW _e)		
	Steam Plants	Diesel Generators	Gas Turbines
Cheyenne Light, Fuel & Power Co. (I)		5-2000, 1-2750	
• Lusk Light & Power Dept. (M)		1-155, 1-210, 2-250	

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

State	Steam Turbines		Diesel Generators		Gas Turbines		Total Units
	Number	Power, MW_e	Number	Power, MW_e	Number	Power, MW_e	
Alabama	2	15.00	0	- -	0	- -	2
Alaska	8	23.50	185	183.20	4	17.40	197
Arizona	4	30.00	11	10.84	1	10.00	16
Arkansas	6	21.00	36	43.73	0	- -	42
California	5	30.50	27	41.27	1	2.00	33
Colorado	16	75.88	64	76.88	2	1.00	82
Connecticut	8	63.50	7	20.80	4	16.00	19
Delaware	0	- -	6	9.05	1	3.00	7
District of Col.	0	- -	0	- -	0	- -	0
Florida	5	29.63	73	159.39	4	19.00	82
Georgia	0	- -	0	- -	1	5.00	1
Hawaii	7	40.90	23	58.40	0	- -	30
Idaho	0	- -	5	4.94	0	- -	5
Illinois	35	154.00	127	263.78	0	- -	162
Indiana	15	73.00	25	67.00	0	- -	40
Iowa	57	343.38	421	437.37	0	- -	478
Kansas	44	208.26	304	437.53	2	11.25	350
Kentucky	4	25.00	4	13.60	0	- -	8
Louisiana	11	74.65	86	175.11	2	20.00	99
Maine	3	19.00	37	43.25	2	10.00	42
Maryland	4	35.00	22	49.30	0	- -	26
Massachusetts	14	97.50	67	163.43	1	10.00	82
Michigan	41	189.38	196	387.74	0	- -	237
Minnesota	64	226.85	318	401.89	3	26.25	385
Mississippi	10	58.00	3	1.55	0	- -	13
Missouri	26	144.00	199	303.40	0	- -	225
Montana	5	20.30	0	- -	1	2.00	6
Nebraska	29	110.91	213	259.51	0	- -	242
Nevada	0	- -	33	65.52	0	- -	33

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

State	Steam Turbines		Diesel Generators		Gas Turbines		Total Units
	Number	Power, MW_e	Number	Power, MW_e	Number	Power, MW_e	
New Hampshire	4	21.00	10	7.34	0	- -	14
New Jersey	4	20.00	6	8.42	0	- -	10
New Mexico	12	71.40	23	40.31	0	- -	35
New York	12	50.00	49	108.99	0	- -	61
North Carolina	2	12.50	12	17.23	0	- -	14
North Dakota	6	25.50	50	43.23	2	8.00	58
Ohio	35	189.50	60	115.61	3	12.58	98
Oklahoma	10	43.00	87	139.51	2	8.00	99
Oregon	4	32.80	1	1.00	0	- -	5
Pennsylvania	4	19.50	34	82.80	0	- -	38
Rhode Island	3	13.50	17	22.78	0	- -	20
South Carolina	1	5.00	1	1.12	1	5.00	3
South Dakota	3	15.00	69	45.47	0	- -	72
Tennessee	0	- -	0	- -	0	- -	0
Texas	16	91.13	142	224.84	3	15.32	161
Utah	4	14.00	24	31.45	0	- -	28
Vermont	4	34.00	18	19.80	2	12.00	24
Virginia	2	6.80	23	23.07	3	7.80	28
Washington	0	- -	18	6.05	0	- -	18
West Virginia	0	- -	0	- -	0	- -	0
Wisconsin	29	167.07	96	92.47	0	- -	125
Wyoming	3	6.50	11	14.62	0	- -	14
TOTAL	581	2947.34	3243	4724.59	45	221.60	3869

Table III. Number of Utility Systems With Small (≤ 10 MW_e) Power Units .

State	Total No	Steam Turbines			Diesel Generators			Gas Turbines		
		Inv.	Mun.	Other	Inv.	Mun.	Other	Inv.	Mun.	Other
Alabama	1	-	-	1	-	-	-	-	-	-
Alaska	24	-	1	1	2	10 (1)*	11 (1)	-	1	2
Arizona	4	-	-	1	1	1	-	-	-	1
Arkansas	10	-	2 (1)	-	1	8	-	-	-	-
California	5	2	1	-	2	-	1	1	-	-
Colorado	16	2	3	-	2	11	1	-	1	-
Connecticut	5	1	1	-	1	1	-	2	-	-
Delaware	3	-	-	-	1	2 (1)	-	1	-	-
District of Col.	0	-	-	-	-	-	-	-	-	-
Florida	12	-	3	-	1	10	1	-	1	-
Georgia	1	-	-	-	-	-	-	-	-	1
Hawaii	1	1	-	-	1	-	-	-	-	-
Idaho	2	-	-	-	-	2	-	-	-	-
Illinois	29	2	9	1	2	21 (1)	1	-	-	-
Indiana	10	2	4	-	3 (1)	2	-	-	-	-
Iowa	88	4	11	3	5	74 (3)	1	-	-	-
Kansas	63	4	10	-	4	55	3	-	2	-
Kentucky	3	-	2	-	-	2	-	-	-	-
Louisiana	16	1	4	-	-	14	-	-	2	-
Maine	6	2	-	-	3	1	2	2	-	-
Maryland	5	1	1	-	1	3	-	-	-	-
Massachusetts	13	2	3	-	3	6	-	-	1	-
Michigan	28	1	5	3	3	17	3	-	-	-
Minnesota	72	2	24 (1)	-	3	49 (1)	6 (2)	-	3	-
Mississippi	4	-	3	-	-	1	-	-	-	-
Missouri	45	5	6 (1)	1	2	33 (1)	2	-	-	-
Montana	2	2	-	-	-	-	-	1	-	-
Nebraska	57	-	7 (2)	2	-	47 (1)	2 (1)	-	-	-
Nevada	3	-	-	-	3	-	-	-	-	-

* Number in parentheses denotes number of utility systems in standby status.

Table III. Number of Utility Systems With Small (≤ 10 MW_e) Power Units (Cont'd)

State	Total No	Steam Turbines			Diesel Generators			Gas Turbines		
		Inv.	Mun.	Other	Inv.	Mun.	Other	Inv.	Mun.	Other
New Hampshire	2	1	-	-	1	1	-	-	-	-
New Jersey	3	-	1	-	1	1 (1)	-	-	-	-
New Mexico	7	2	2	-	2	1	-	-	-	-
New York	11	1	1	1	4	4	-	-	-	-
North Carolina	4	-	-	1	1	-	2	-	-	-
North Dakota	9	1	-	1	3	5 (1)	1	1	-	-
Ohio	20	3	8	-	4	10	-	-	3	-
Oklahoma	18	1	3 (1)	1	2	13 (4)	1 (1)	1	-	-
Oregon	3	1	1	-	-	1 (1)	-	-	-	-
Pennsylvania	6	2	-	1	3	1	-	-	-	-
Rhode Island	3	1	-	-	3	-	-	-	-	-
South Carolina	3	1	-	-	-	1 (1)	-	1	-	-
South Dakota	20	1	-	-	4	16 (6)	-	-	-	-
Tennessee	0	-	-	-	-	-	-	-	-	-
Texas	30	4	4	1	2 (1)	21 (5)	-	2	1	-
Utah	6	-	1	-	-	4	1 (1)	-	-	-
Vermont	6	1	3	1	1	2	-	1	-	-
Virginia	6	-	1	1	1	2 (1)	1	-	1	1
Washington	2	-	-	-	1 (1)	-	1 (1)	-	-	-
West Virginia	0	-	-	-	-	-	-	-	-	-
Wisconsin	32	4	4	2	5	19 (6)	1	-	-	-
Wyoming	3	1	-	-	2	1 (1)	-	-	-	-
TOTAL	722*	59	129 (6)	23	84 (3)	473 (36)	42 (7)	13	16	5

* Actual number of utility systems is 716 since four companies have units in more than one state.

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