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STEAM-ELECTRIC POWER-PLANT- COOLING HANDBOOK

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February 1982

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J. C. Sonnichsen, Jr.

H. A. Carlson

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L. A. Tadlock

ABSTRACT

The Steam-Electric Power Plant Cooling Handbook provides summary data on steam-electric power plant capacity, generation and number of plants for each cooling means, by Electric Regions, Water Resource Regions and National Electric Reliability Council Areas. Water consumption by once-through cooling, cooling ponds and wet evaporative towers is discussed and a methodology for computation of water consumption is provided for a typical steam-electric plant which uses a wet evaporative tower or cooling pond for cooling.

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The withdrawal of water for cooling steam-electric power plants is the second largest use of water in the continental United States. During 1975, it was estimated that on the average, approximately 90 billion gallons of fresh water were withdrawn daily for cooling steam-electric power plants.⁽¹⁾ Of the total water withdrawn, less than two percent was consumed. During 1975, it was estimated that approximately 1.4 billion gallons per day of fresh water were consumed for the purpose of cooling steam-electric power plants.⁽¹⁾

The trend towards an increased use of wet evaporative cooling towers for cooling steam-electric power plants will impact future water usage. It is estimated that in the year 2000, the withdrawal of fresh water for cooling steam-electric power plants will decrease to approximately 79 billion gallons per day. Consumptive usage, however, is forecasted to increase to 10.5 billion gallons per day.⁽¹⁾

The handbook presents the 1980 pattern of water usage for cooling steam-electric power plants. Data are organized both with respect to hydrologic boundaries and regional power generation groupings. The data were compiled using the Water Use Information System developed by the Hanford Engineering Development Laboratory under sponsorship of the Department of Energy.

2.0 DATA REVIEW AND DEFINITIONS

2.1 WATER USE INFORMATION SYSTEM

Primary steam-electric power plant information was obtained from the data files of the Water Use Information System (WUIS)⁽²⁾ developed by the Hanford Engineering Development Laboratory for the Department of Energy. The system incorporates water use data on U.S. generating stations, with capacity of 25 MWe or greater, into a computerized data base management system.

The WUIS data files provided the basic data for this handbook. Reasonable verification of the data from various published data sources has been performed and the handbook is believed to present an accurate representation of the power plants in the contiguous United States.

2.2 PLANT TYPE IDENTIFICATION

The plant type identifiers, fossil or nuclear, used in the summary sections of this handbook denote groupings of steam-electric generating plants that have similar processes for energy conversion from fuels. The designation "Fossil" indicates plants using coal, oil or gas as sources of energy. "Nuclear" indicates plants deriving heat from the fissioning of nuclear fuel. The third identifier, "Other", includes all remaining electrical generating plants; these are included to permit the handbook user to envision the relationship of the fossil or nuclear steam-electric plants to the total capacity and generation by cooling type for each Water Resource Region, Electric Region or National Electric Reliability Council (NERC) area.

The plant identifiers used in the appendices are more specific as to type of fuel or prime mover used in the generation of electricity. Table 2-1 indicates the correlation between the plant type identifiers. The plants in the "Other" category are not included in the plant listing since they do not use water to cool steam condensers.

TABLE 2-1
CORRELATION OF PLANT TYPE IDENTIFIERS

<u>Summary Identifier</u>	<u>Description</u>	<u>Specific Identifier</u>
FOSSIL	Steam-electric plants using coal, oil or gas as fuels.	Coal - A plant using coal as fuel.
		Oil - A plant using fuel oil as fuel.
		Gas - A plant using natural gas as fuel.
		C-O - A plant using coal and/or fuel oil as fuel.
		O-G - A plant using fuel oil and/or natural gas as fuel.
		COG - A plant using coal, fuel oil and/or natural gas as fuel.
		C-G - A plant using coal and/or natural gas as fuel.
NUCLEAR	Steam-electric plants using fissionable nuclear material as fuel.	BWR - Boiling water reactor.
		PWR - Pressurized water reactor.
		HTGR - High temperature gas cooled reactor.
OTHER	All other plants not included as fossil or nuclear	HYDR - Hydroelectric plants including pumped storage.
		GTUR - Gas turbine plants.
		GEOT - Geothermal plants.
		ICOM - Internal combustion plants.

2.3 PLANT COOLING METHODS

Most electric power generation in this country relies upon the use of water either directly or indirectly. For hydroelectric power generation, the use is direct and usually instream. For steam-electric power, water usage largely results from the use of water to cool steam condensers. Massive volumes of water may be required to carry away the waste heat from thermal power plants. To understand the cooling requirements of steam-electric power plants, a brief description of the methods most commonly used to cool steam-electric power plants is provided.

A once-through cooling system for a steam-electric generating facility withdraws water from a natural water body and circulates it through heat exchangers in the plant, thus removing heat from the heat exchangers and raising the temperature of the cooling water. The heated water is then discharged into a receiving water body, usually the source water body.

A second type of cooling system utilizing a cooling pond, is similar to the once-through cooling concept, with the exception that the cooling water is ultimately recycled. The cooling water is discharged into a pond, allowed to cool, and is then reused to cool the power plant. Cooling ponds have become popular in certain parts of the country due to the fact that they isolate the potentially detrimental effects that the heated water might have upon the local ecology.

A third type of cooling system used to cool steam-electric power plants employs the use of a wet evaporative cooling tower. In recent years there has been an increased use of wet evaporative cooling towers as they do not require the large withdrawals of water associated with once-through cooling nor do they require the large areas of land required by cooling ponds. In a cooling tower, the cooling water is sprayed into the tower or flowed over packing material. The coolant forms droplets or a thin film, and is brought into contact with air. The air is humidified by the partial evaporation of the water droplets or film. The temperature of the cooling water is decreased as a result of the evaporation process.

2.4 WATER RESOURCES REGIONS

In 1970, the U.S. Water Resources Council established 21 major Water Resources Regions for compiling and analyzing water resources data. Power plant data for the 18 regions within the contiguous United States are included in this handbook; data for the remaining three, Alaska, Hawaii, and the Caribbean area, are not included.

The water resources regions are hydrologic areas, each of which include either the drainage area of a major river, such as found in the Missouri Region, or the combined drainage areas of a series of rivers, such as the South Atlantic-Gulf Region, which includes a number of rivers draining directly into the Atlantic Ocean or the Gulf of Mexico. Each region is described below.⁽³⁾ Figure 2-1 depicts the geographic boundaries of the regions.

Region 01 - New England

The drainage basins within the United States that ultimately discharge into: (a) the Bay of Fundy; (b) the Atlantic Ocean, with points of discharge located within and between the States of Maine and Connecticut; (c) Long Island Sound; and (d) the St. Francis River, a tributary of the St. Lawrence River.

Region 02 - Middle Atlantic

The drainage basins within the United States that ultimately discharge into: (a) the Atlantic Ocean, with points of discharge located within and between the States of New York and Virginia; and (b) the Richelieu River, a tributary of the St. Lawrence River.

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FIGURE 2-1. Water Resource Regions.

Region 03 - South Atlantic - Gulf

The drainage basins within the United States that ultimately discharge into: (a) the Atlantic Ocean, with points of discharge located within and between the States of North Carolina and Florida; and (b) the Gulf of Mexico, with points of discharge located within and between the States of Florida and Mississippi, including the Pearl River.

Region 04 - Great Lakes

The drainage basins within the United States that discharge into: (a) the Great Lakes system, including the Lakes surfaces; and (b) the St. Lawrence River as far east as, but excluding, the Richelieu River.

Region 05 - Ohio

The drainage basins of the Ohio River, excluding that of the Tennessee River.

Region 06 - Tennessee

The drainage basins of the Tennessee River.

Region 07 - Upper Mississippi

The drainage basins of the Mississippi River above the mouth of the Ohio River, but excluding that of the Missouri River above a point immediately below the mouth of the Gasconade River.

Region 08 - Lower Mississippi

The drainage basins of: (a) the Mississippi River below the mouth of the Ohio River but excluding the drainages of the Arkansas, White, and Red Rivers above the points of highest backwater effects of the Mississippi River in

those rivers; and (b) the coastal streams, other than the Mississippi River, that discharge into the Gulf of Mexico between, but excluding, the Pearl and Sabine Rivers.

Region 09 - Souris-Red-Rainy

The drainage basins within the United States of the Souris, Red, and Rainy Rivers.

Region 10 - Missouri

The drainage basins within the United States of: (a) the Missouri River above a point immediately below the mouth of the Gasconade River; and (b) The Saskatchewan River.

Region 11 - Arkansas-White-Red

The drainage basins of: (a) the Arkansas River above the point of highest backwater effect of the Mississippi River; and (b) the White River above the point of highest backwater effect of the Mississippi River, near Peach Orchard Bluff, Arkansas.

Region 12 - Texas-Gulf

The drainage basins that discharge into the Gulf of Mexico from and including Sabine Pass to, but excluding the Rio Grande and Lower Rio Grande Valley.

Region 13 - Rio Grande

The drainage basins within the United States of: (a) the Rio Grande; (b) the San Luis Valley, North Plains, San Augustine Plains, Mimbres, Estancia, Jornada del Muerto, Tularosa, Salt, and various smaller closed basins; and (c) the Lower Rio Grande Valley.

Region 14 - Upper Colorado

The drainage basins of: (a) the Colorado River above the Lee Ferry Compact Point which is about 1 mile below the mouth of the Paria River, and (b) the Great Divide closed basin.

Region 15 - Lower Colorado

The drainage basins within the United States of: (a) the Colorado River below the Lee Ferry Compact Point which is about 1 mile below the mouth of the Paria River; (b) the Rios Yaqui, Magdalena, and Sonoita and other lesser streams that ultimately discharge into the Gulf of California; and (c) the Animas Valley, Wilcox Playa, El Dorado Valley, and other smaller closed basins.

Region 16 - Great Basin

The drainage of the Great Basin area that ultimately discharges into closed basins within the States of Utah and Nevada.

Region 17 - Pacific Northwest

The drainage basins within the United States that ultimately discharge into: (a) the Straits of Georgia and of Juan de Fuca; (b) the Pacific Ocean, with points of discharge within the States of Washington and Oregon, including the Columbia River; and (c) the Great Basin area within the State of Oregon.

Region 18 - California

The drainage basins within the United States that ultimately discharge into: (a) the Pacific Ocean, with points of discharge within the State of California, which includes the Central Valley; and (b) that portion of the Great Basin area, and other closed basins, within the State of California.

2.5 NATIONAL ELECTRIC RELIABILITY COUNCIL (NERC) AREAS

In 1968 the electric industry formed the National Electric Reliability Council (NERC) to encourage improvement of coordination at both the regional and national levels. The stated purposes⁽⁴⁾ were to:

1. Encourage and assist the development of inter-regional reliability arrangements among regional organizations, for their members;
2. Exchange information on planning and operation matters relating to the reliability of bulk power supply;
3. Review periodically regional and inter-regional activities on reliability;
4. Provide independent reviews of inter-regional matters referred to it by a regional organization; and
5. Provide information to the FPC and other Federal agencies.

NERC consists of nine Regional Reliability Councils and encompasses essentially all the power systems of the contiguous U.S. and the Canadian systems in Ontario, British Columbia, Manitoba and New Brunswick. Data for Canadian Provinces are not included in this handbook. The nine Regional Reliability Councils as established are shown in Figure 2-2, and the naming convention is shown in Table 2-2.

2.6 DEPARTMENT OF ENERGY ELECTRIC REGIONS

The 31 Electric Regions of the United States are those used by the U.S. Department of Energy as viable areas for analysis of electric power supply reliability. The 29 regions in the contiguous United States are included in this handbook. Electric Regions are listed in Table 2-3 with their included power systems or groupings. Figure 2-3 graphically displays the 29 Electric Regions in the contiguous United States. Electric Region 29 is Alaska and Electric Region 31 covers the State of Hawaii.

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FIGURE 2-2. National Electric Reliability Council Areas.

TABLE 2-2
DESCRIPTION OF NERC AREAS

ECAR - East Central Area Reliability Coordination Agreement
ERCOT - Electric Reliability Council of Texas
MAAC - Mid-Atlantic Area Council
MAIN - Mid-American Interpool Network
MARCA - Mid-Continent Area Reliability Coordination Agreement
NPCC - Northeast Power Coordinating Council
SERC - Southeastern Electric Reliability Council
SWPP - Southwest Power Pool
WSCC - Western Systems Coordinating Council

2.7 POWER SUPPLY AREAS

As a means of coordinating operational activities, the former Federal Power Commission (FPC) divided the United States into geographic regions representing areas which the characteristics of generation, marketing, and consumption of electric power are reasonably uniform.

The 48 FPC Power Supply Areas covering the contiguous United States are shown in Figure 2-4.

2.8 CORRELATION OF REGIONAL GROUPINGS

This handbook presents three regional groupings of electric power generating plants. These designations, based on hydrologic drainage basins and regional power generation groupings, define the location of power plants according to:

- Water Resource Region (Figure 2-1)
- National Electric Reliability Council (NERC) Areas (Figure 2-2)
- Electric Regions (Figure 2-3)

TABLE 2-3
DESCRIPTION OF ELECTRIC REGIONS

<u>Electric Region</u>	<u>Power Systems Included</u>
1	Allegheny Power System (APS)
2	American Electric Power System (AEP)
3	New England Power Pool (NEPOOL)
4	New York Power Pool (NYPP)
5	Pennsylvania-New-Jersey-Maryland Interconnection (PJM)
6	Commonwealth Edison Co.
7	Florida Coordinating Group (FCG)
8	Middle South Utilities Group
9	Southern Company Group
10	Gulf States Group
11	Tennessee Valley Authority Group (TVA)
12	Virginia-Carolinas Group (VACAR)
13	Central Area Power Coordination Group (CAPCO)
14	Cincinnati, Columbus, Dayton Group (CCD)
15	Kentucky Group
16	Indiana Group - All Indiana Utilities Except 16M Electric Co.
17	Illinois-Missouri Group (ILLMO)
18	Michigan Electric Coordinated Systems (MECS)
19	Wisconsin-Upper Michigan Systems Group (WUMS)
20	Mid-Continent Area Power Pool (MAPP)
21	Missouri-Kansas Group (MOKAN)

TABLE 2-3 (Cont'd)

<u>Electric Region</u>	<u>Power Systems Included</u>
22	Oklahoma Group
23	Texas Interconnect Systems Group (TIS)
24	Rocky Mountain Power Pool (RMPP)
25	Northwest Power Pool (NWPP) (Except for Idaho-Utah Group)
26	Arizona-New Mexico Group
27	Southern California-Nevada Group
28	Northern California-Nevada Group
29	Alaska - (Not included in this handbook)
30	Idaho-Utah Group of the Northwest Power Pool
31	Hawaii - (Not included in this handbook)

FIGURE 2-3. Electric Regions.

The Water Use Information System⁽²⁾ (WUIS) data files provided the power plant data for this handbook. The WUIS data base contains additional means of defining the location of an electric power generating plant. These means include:

- Location by political subdivision (State, County, and City)
- Location by geodetic coordinates (Latitude and Longitude)
- Location by Power Supply Area (PSA) as defined by the former Federal Power Commission
- Location by Water Resource Cataloging Unit as defined by the Water Resources Council and the U.S. Geological Survey

The Water Resource Regions as used in this handbook are direct aggregations of the Water Resource Cataloging Units that are contained in the WUIS. Both the Electric Regions and the NERC Areas represent, approximately, different levels of aggregation of the Power Supply Areas. Electric Regions may be aggregated directly into NERC areas. Direct correlation of groupings of most Power Supply Areas to Electric Regions was possible. However, Power Supply Areas 9 and 12 have portions of their areas in Electric Regions 2, 13, 14, and 16; a portion of PSA 27 is included in Electric Region 24; and the boundaries of PSA's 46 and 47 did not coincide with Electric Regions 27 and 28. With the exception of PSA's 27 and 31, all PSA's were entirely contained within a NERC area. The regional groupings are graphically displayed in Section 2 of this handbook in Figures 2-1, Water Resource Regions; Figure 2-2, National Electric Reliability Council Areas; Figure 2-3, Electric Regions and Figure 2-4, Power Supply Areas of this appendix. The aggregations of PSA's to Electric Regions and Electric Regions to NERC areas are listed in Table 2-4.

TABLE 2-4
POWER SUPPLY AREA AGGREGATION
TO ELECTRIC REGIONS AND NERC AREAS

<u>NERC AREA</u>	<u>ELECTRIC REGION</u>	<u>POWER SUPPLY AREA</u>
NPCC	3	1, 2
	4	3, 4
MAAC	5	5, 6
ECAR	1	7
	2	9, 10, 12
	13	8, 9
	14	9, 12
	15	19
	16	12
	18	11
SERC	7	24
	9	22, 23
	11	20
	12	18, 21
MAIN	6	14
	17	15, 40
	19	13
MARCA	20	16, 17, 26, 27, 28, 31
SWPP	8	25
	10	35
	21	29, 34
	22	33, 36
ERCOT	23	37, 38
WSCC	24	27, 31, 32
	25	30, 42, 43, 44, 45
	26	39, 48
	27	47, 48
	28	46, 47
	30	41

Tables 3-1 through 3-18 provide summaries of power plant generating capacity, power generation, method of cooling, and power plant type using various means of aggregation, i.e., National Electric Reliability Council (NERC) Areas, Electric Regions, and Water Resource Regions. Tables 3-1 through 3-3 list 1980 electric power generation data by plant type for each means of aggregation. Tables 3-4 through 3-6 list 1980 net electric generating capacity for each type of aggregation. Tables 3-7 through 3-18 provide summaries on the method of cooling broken down by the number of power plants, total capacity and total power generation for each NERC, Electric Region, and Water Resource Region.

Once-through cooling is used by approximately 60% of the over 800 steam electric power plants summarized in this report. These plants represent approximately 50% of the installed electrical generating capacity. Once-through cooling is the primary method of cooling in the northeast (NPCC, MAAC) and in the southeast (SERC, ERCOT). Across the nation, approximately 50% of the installed electrical generating capacity is cooled using wet evaporative cooling towers.

Patterns of cooling by Electric Regions are similar. The Electric Regions in the Northeast and Southeast indicate a strong preference towards the use of once-through cooling. In the West the preference is towards the use of wet evaporative cooling towers. An exception to the pattern can be found in Electric Regions 27 and 28 where the cooling of Steam-Electric Power Plants using once-through saline sources was common prior to recent years. Restriction on coastal siting in the State of California will have a tendency to reverse the pattern of cooling in Electric Regions 27 and 28. In the central section of the country, i.e., Electric Regions 20, 21, 22, 23, the method of cooling steam-electric power plants is approximately split between the use of once-through cooling and wet evaporative cooling towers. In the South (Electric Regions 22 and 23) the method of cooling is divided among the use of once-through cooling, wet evaporative cooling towers, and cooling ponds.

In terms of the Water Resource Regions at the present time no steam-electric generating capacity is cooled exclusively by using once-through cooling in either the Rio Grande or Colorado River Basins. Similarly, no steam-electric generating capacity in the Tennessee River Basin is cooled exclusively using wet evaporative towers.

TABLE 3-1
ELECTRIC POWER GENERATION
BY NERC AREAS
(GW-hr - 1980)

NERC AREA	PLANT TYPE			TOTAL
	FOSSIL	NUCLEAR	OTHER	
ECAR	385378	18333	4480	408190
ERCOT	132198	0	915	133113
MAAC	111585	30167	5441	147192
MAIN	125764	30401	2560	158726
MARCA	65600	25645	9984	101229
NPCC	120558	41856	28110	190524
SERC	325938	77364	33125	436428
SWPP	207412	7428	4027	218867
WSCC	200422	13343	188882	402648

TABLE 3-2
ELECTRIC POWER GENERATION
BY ELECTRIC REGIONS
(GW-hr - 1980)

ELECTRIC REGION	PLANT TYPE			TOTAL
	FOSSIL	NUCLEAR	OTHER	
1	86376	301	263	86940
2	37733	0	227	37960
3	36460	10719	1393	48572
4	82187	31136	26718	140041
5	111585	30167	5441	147191
6	18691	20704	442	39837
7	76108	16738	2035	94881
8	41078	7429	1082	49589
9	89017	13039	8132	106456
10	40196	0	156	40352
11	64859	18618	16394	99871
12	97775	28970	6564	133309
13	9944	0	1	9945
14	66414	2094	25	68533
15	41940	0	1417	43357
16	91321	0	1993	93314
17	82622	0	1464	84086
18	51649	15938	555	68142
19	24451	9697	653	34801
20	65600	25645	9984	131229
21	33178	0	867	34045
22	92961	0	1922	94883
23	132198	0	915	133113
24	54565	676	2392	57633
25	8746	7436	121304	137486
26	37288	0	12954	50242

TABLE 3-2 (Cont'd)

<u>ELECTRIC REGION</u>	<u>PLANT TYPE</u>			<u>TOTAL</u>
	<u>FOSSIL</u>	<u>NUCLEAR</u>	<u>OTHER</u>	
27	57605	817	3739	62161
28	30980	4415	38977	74372
30	11214	0	9543	20757

TABLE 3-3
ELECTRIC POWER GENERATION
BY WATER RESOURCE REGIONS

(GW-hr - 1980)

WATER RESOURCE REGION	PLANT TYPE			TOTAL
	FOSSIL	NUCLEAR	OTHER	
1. New England	46950	22555	1572	71077
2. Middle Atlantic	152730	43133	6533	202396
3. South Atlantic-Gulf	248607	53116	16735	318462
4. Great Lakes	122758	51490	25694	199942
5. Ohio	353050	302	5544	358895
6. Tennessee	49908	18617	15659	84183
7. Upper Mississippi	111740	28772	2270	142783
8. Lower Mississippi	66272	0	280	66552
9. Souris-Red-Rainy	810	0	0	810
10. Missouri	82776	6459	15402	104637
11. Arkansas-White-Red	93096	7429	3505	104031
12. Texas-Gulf	161041	0	1027	162069
13. Rio Grande	8004	0	195	8199
14. Upper Colorado	60800	0	6527	67327
15. Lower Colorado	18979	0	8507	27486
16. Great Basin	3211	0	439	3650
17. Pacific Northwest	7458	7436	125357	140252
18. California	86660	5232	42273	134165

TABLE 3-4
ELECTRIC POWER GENERATION CAPACITY
BY NERC AREAS

(Net MWe - 1980)

NERC AREA	PLANT TYPE			TOTAL
	FOSSIL	NUCLEAR	OTHER	
ECAR	87649	4889	5361	97719
ERCOT	36736	0	2826	39562
MAAC	28809	7285	10779	46873
MAIN	34694	5522	4334	44550
MARCA	15551	5006	4842	25399
NPCC	33670	8352	16684	58706
SERC	75675	16082	21237	112994
SWPP	50344	1762	6503	58609
WSCC	47220	4754	48721	100695

TABLE 3-5
ELECTRIC POWER GENERATION CAPACITY
BY ELECTRIC REGIONS

(Net MWe - 1980)

<u>ELECTRIC REGION</u>	<u>PLANT TYPE</u>			<u>TOTAL</u>
	<u>FOSSIL</u>	<u>NUCLEAR</u>	<u>OTHER</u>	
1	18068	952	1592	20612
2	6782	0	238	7020
3	9066	2169	6579	17814
4	23899	6183	10105	40187
5	28809	7285	10779	46873
6	5412	3993	2015	11420
7	19236	2934	4544	26714
8	11675	1762	1483	14920
9	22100	2399	4029	28528
10	9933	0	1195	11128
11	13430	3195	6444	23069
12	21320	7554	6221	35095
13	2855	0	129	2984
14	14806	906	653	16365
15	8774	0	461	9235
16	22581	0	1196	23777
17	22694	0	1210	23904
18	13605	3031	1092	17728
19	6288	1529	1077	8894
20	11551	5006	4142	20699
21	9596	0	2158	11754
22	19140	0	1668	20808
23	36736	0	2826	39562
24	9735	330	971	11036
25	2305	1990	28761	33056
26	9348	0	4642	13099

TABLE 3-5 (Cont'd)

<u>ELECTRIC REGION</u>	<u>PLANT TYPE</u>			<u>TOTAL</u>
	<u>FOSSIL</u>	<u>NUCLEAR</u>	<u>OTHER</u>	
27	15819	432	3425	19676
28	8123	2002	8813	18938
30	1863	0	2135	3998

TABLE 3-6
ELECTRIC POWER GENERATION CAPACITY
BY WATER RESOURCE REGIONS

(Net MWe - 1980)

WATER RESOURCE REGION	PLANT TYPE			TOTAL
	FOSSIL	NUCLEAR	OTHER	
New England	12200	4338	3410	19948
Middle Atlantic	45080	10295	17768	73143
South Atlantic-Gulf	57741	11980	14804	84525
Great Lakes	33105	9573	7896	50574
Ohio	74605	852	5187	80644
Tennessee	9713	3195	5269	18177
Upper Mississippi	32433	5568	5026	43027
Lower Mississippi	18122	0	2309	20431
Souris-Red-Rainy	171	0	29	200
Missouri	19334	1565	5365	26264
Arkansas-White-Red	20879	1762	3650	26291
Texas-Gulf	41854	0	3285	45139
Rio Grande	2382	0	60	2442
Upper Colorado	10207	0	1238	11445
Lower Colorado	5683	0	3845	9528
Great Basin	787	0	363	1150
Pacific Northwest	2063	1990	29662	33715
California	23490	2434	12147	38071

TABLE 3-7

PLANTS USING ONCE-THROUGH COOLING
BY NERC AREAS

NERC AREA	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
ECAR	93	55569	243457	4	3031	15938	97	58600	259395
ERCOT	18	9492	32661	0	0	0	18	10391	32661
MAAC	41	21182	74528	4	3430	18589	45	24612	93117
MAIN	49	25206	92765	5	3725	21491	54	28931	114256
MARCA	35	8034	31707	3	1285	5997	38	9319	37704
NPCC	60	31280	115580	12	7838	38877	72	39118	154456
SERC	74	51333	218520	10	8456	34255	84	59779	252775
SWPP	33	22075	82050	1	850	3782	34	22925	85831
WSCC	32	21713	83863	3	2376	2858	35	24089	86721

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-8

PLANTS USING COOLING TOWERS
BY NERC AREAS

NERC AREA	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
ECAR	17	16619	79878	2	1758	2395	19	18377	82273
ERCOT	22	5832	14564	0	0	0	22	5832	14564
MAAC	5	5774	31915	2	1725	0	7	7499	31915
MAIN	3	324	1195	0	0	0	3	324	1195
MARCA	20	4163	21481	3	1598	9138	23	5761	30619
NPCC	2	140	333	1	514	2979	3	654	3312
SERC	11	7606	35085	2	1570	8435	13	9176	43520
SWPP	58	15037	64859	1	912	3647	59	15949	68506
WSCC	52	20796	94525	3	2378	10485	56	24179	110084

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-9

PLANTS USING COOLING PONDS
BY NERC AREAS

NERC AREA	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
ECAR	1	31	3	0	0	0	1	31	3
ERCOT	18	11018	30170	0	0	0	18	11018	30170
MAAC	0	0	0	0	0	0	0	0	0
MAIN	6	9122	31740	3	1797	8910	9	10919	41650
MARCA	0	440	2610	2	1578	6911	3	2018	9521
NPCC	0	0	0	0	0	0	0	0	0
SERC	11	9546	50051	3	2032	11453	14	11578	61504
SWPP	10	7153	38126	0	0	0	10	7153	38126
WSCC	4	3138	18607	0	0	0	4	3138	18607

* = Plant Capacity in MW

** = Net Generation in 10^6 KW-hr

TABLE 3-10

PLANTS USING COMBINATION COOLING METHODS
BY NERC AREAS

NERC AREA	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
ECAR	12	14189	60706	0	0	0	12	14189	60706
ERCOT	10	10394	54803	0	0	0	10	10394	54803
MAAC	4	1513	4935	2	2130	11578	6	3643	16513
MAIN	1	42	65	0	0	0	1	42	65
MARCA	10	2914	9802	1	545	3454	11	3459	13256
NPCC	3	1545	2734	0	0	0	3	1545	2734
SERC	9	6336	21341	4	4024	23221	13	10360	44562
SWPP	14	5292	20506	0	0	0	14	5292	5292
WSCC	6	805	3053	0	0	0	6	805	3053

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE 3-11

PLANTS USING ONCE-THROUGH COOLING
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
1	16	7225	35625	1	100	323	17	7325	35948
2	5	2753	13585	0	0	0	5	2753	13585
3	19	7382	33392	3	1655	7738	22	9037	41130
4	41	23899	82188	9	6183	31136	50	30082	113324
5	41	21182	74528	4	3430	18589	45	24612	93117
6	6	5412	18691	2	2196	11794	8	7608	30485
7	27	13969	58532	2	1602	8496	29	15571	67028
8	15	10043	36744	1	850	3782	16	10893	40526
9	20	13787	53748	0	0	0	20	13787	53748
10	4	5910	22566	0	0	0	4	5910	22566
11	10	13430	64859	0	0	0	10	13430	64859
12	17	10138	41381	8	6854	25759	25	16992	67140
13	5	2798	9800	0	0	0	5	2798	9800
14	14	9426	43605	0	0	0	14	9426	43605
15	8	3853	21691	0	0	0	8	3853	21691

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE 3-11 (Cont'd)

PLANTS USING ONCE-THROUGH COOLING
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
16	25	16577	69875	0	0	0	25	16577	69875
17	23	13548	49687	0	0	0	23	13548	49687
18	21	12979	49327	4	3031	15938	25	16010	65265
19	20	6246	24387	3	1529	9697	23	7775	34084
20	35	8033	31707	3	1285	5997	9	9318	37704
21	11	4056	11573	0	0	0	11	4056	11573
22	3	2065	11167	0	0	0	3	2065	11167
23	17	9482	32661	0	0	0	17	9482	32661
24	2	786	4978	0	0	0	2	786	4978
25	4	421	1532	1	860	2042	5	1281	3574
26	0	0	0	0	0	0	0	0	0
27	15	13066	49246	1	432	817	16	13498	50063
28	8	7357	27927	1	1084	0	9	8441	27927
30	2	84	182	0	0	0	2	84	182

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE 3-12
PLANTS USING COOLING TOWERS
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
1	5	9180	45096	1	852	301	6	10032	45397
2	1	1097	6154	0	0	0	1	1097	6154
3	2	140	333	1	514	2979	1	654	3312
4	0	0	0	0	0	0	0	0	0
5	5	5774	31914	2	1725	0	7	7499	31914
6	0	0	0	0	0	0	0	0	0
7	4	562	2170	0	0	0	4	562	2170
8	7	796	1613	1	912	3647	8	1708	5260
9	6	6739	33243	2	1570	8435	6	8309	41678
10	10	2475	10180	0	0	0	10	2475	10180
11	0	0	0	0	0	0	0	0	0
12	2	666	1252	0	0	0	2	666	1252
13	1	57	144	0	0	0	1	57	144
14	4	3103	15669	1	906	2094	5	4009	17763
15	2	1853	8109	0	0	0	2	1853	8109

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE 3-12 (Cont'd)
PLANTS USING COOLING TOWERS
BY ELECTRIC REGIONS

3-17

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
16	3	1244	4138	0	0	0	3	1244	4138
17	3	324	1196	0	0	0	3	324	1196
18	2	205	946	0	0	0	2	205	946
19	0	0	0	0	0	0	0	0	0
20	20	4163	21481	3	1598	9138	23	5761	30619
21	16	3761	15887	0	0	0	16	3761	15887
22	26	8110	37693	0	0	0	26	8110	37693
23	22	5832	14564	0	0	0	22	5832	14564
24	11	5901	32901	1	330	676	12	6231	33576
25	1	1330	7141	1	1130	5396	2	2460	12537
26	22	8864	33988	0	0	0	22	8864	33988
27	11	2656	8359	0	0	0	11	2656	8359
28	3	266	1104	1	918	4415	4	1184	5519
30	4	1779	11032	0	0	0	4	1779	11032

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-13

PLANTS USING COOLING PONDS
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	3	1797	8910	3	1797	8910
7	2	2531	9592	2	1332	8241	4	3863	17833
8	0	0	0	0	0	0	0	0	0
9	1	548	2116	0	0	0	1	548	2116
10	2	993	5782	0	0	0	2	993	5782
11	0	0	0	0	0	0	0	0	0
12	8	6467	38344	1	700	3211	9	7167	41555
13	0	0	0	0	0	0	0	0	0
14	1	31	3	0	0	0	1	31	3
15	0	0	0	0	0	0	0	0	0

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-13 (Cont'd)

PLANTS USING COOLING PONDS
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
16	0	0	0	0	0	0	0	0	0
17	6	9122	31740	0	0	0	6	9122	31740
18	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0
20	1	440	2610	0	0	0	1	440	2610
21	1	563	2513	0	0	0	1	563	2513
22	8	5644	29831	0	0	0	8	5644	29831
23	18	11018	30170	0	0	0	18	11018	30170
24	2	2552	14152	0	0	0	2	2552	14152
25	0	0	0	0	0	0	0	0	0
26	1	377	3220	0	0	0	1	377	3220
27	0	0	0	0	0	0	0	0	0
28	1	210	1235	0	0	0	1	210	1235
30	0	0	0	0	0	0	0	0	0

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-14

PLANTS USING COMBINATION COOLING METHODS
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
1	1	1663	5656	0	0	0	1	1663	5656
2	1	2933	17994	0	0	0	1	2993	17994
3	3	1545	0	0	0	0	3	1545	0
4	0	0	0	0	0	0	0	0	0
5	4	1512	4935	2	2130	11578	4	3642	16513
6	0	0	0	0	0	0	0	0	0
7	2	1434	4585	0	0	0	2	1434	4585
8	2	604	2721	0	0	0	2	604	2721
9	0	0	0	1	829	4604	1	829	4604
10	1	483	1555	0	0	0	1	483	1555
11	0	0	0	3	3195	18617	0	3195	18617
12	6	3902	16756	0	0	0	6	3902	16756
13	0	0	0	0	0	0	0	0	0
14	1	2175	6974	0	0	0	1	2175	6974
15	3	3034	12140	0	0	0	3	3034	12140

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-14 (Cont'd)

PLANTS USING COMBINATION COOLING METHODS
BY ELECTRIC REGIONS

ELECTRIC REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
16	5	3999	16567	0	0	0	5	3999	16567
17	0	0	0	0	0	0	0	0	0
18	1	386	1375	0	0	0	1	386	1375
19	1	42	65	0	0	0	1	42	65
20	10	2914	9802	1	545	3454	11	3459	13256
21	6	1022	2331	0	0	0	6	1022	2331
22	5	3183	13899	0	0	0	5	3183	13899
23	10	10394	54803	0	0	0	10	10394	54803
24	4	454	2259	0	0	0	4	454	2259
25	0	0	0	0	0	0	0	0	0
26	1	108	80	0	0	0	1	108	80
27	0	0	0	0	0	0	0	0	0
28	1	243	714	0	0	0	1	243	714
30	0	0	0	0	0	0	0	0	0

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-15

PLANTS USING ONCE-THROUGH COOLING
BY WATER RESOURCE REGIONS

WATER RESOURCE REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
New England	28	10545	43963	6	3824	19575	34	14396	63539
Middle Atlantic	67	38272	127239	8	6440	31555	75	44712	158794
South Atlantic-Gulf	60	34381	143239	9	7549	28624	69	41930	171863
Great Lakes	63	31540	118658	12	8667	49396	75	40207	168054
Ohio	65	42905	202195	0	0	0	65	42905	202195
Tennessee	8	9299	47425	0	0	0	8	9299	47425
Upper Mississippi	48	17666	58549	1	50	214	49	17716	58762
Lower Mississippi	18	14771	54451	0	0	0	18	14771	54451
Souris-Red-Rainy	0	0	0	0	0	0	0	0	0
Missouri	26	11941	48394	2	1235	5783	28	13176	54177
Arkansas-White-Red	6	2321	11912	1	850	3782	7	3171	15773
Texas-Gulf	18	11543	41479	0	0	0	18	11543	41479
Rio Grande	0	0	0	0	0	0	0	0	0
Upper Colorado	0	0	0	0	0	0	0	0	0
Lower Colorado	0	0	0	0	0	0	0	0	0
Great Basin	2	84	182	0	0	0	2	84	182
Pacific Northwest	3	179	244	1	860	2042	4	1039	2286
California	23	20422	77172	2	1516	817	25	21938	77989

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE 3-16

PLANTS USING COOLING TOWERS
BY WATER RESOURCE REGIONS

WATER RESOURCE REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
New England	1	110	253	1	514	2979	2	624	3232
Middle Atlantic	4	1920	10983	2	1725	0	6	3645	10983
South Atlantic-Gulf	12	7966	36665	2	1570	8435	14	9536	45100
Great Lakes	4	497	1204	1	906	2094	5	1403	3298
Ohio	17	19309	97793	1	852	301	18	20161	98094
Tennessee	0	0	0	0	0	0	0	0	0
Upper Mississippi	13	3079	13075	3	1598	9138	16	4677	22213
Lower Mississippi	10	2345	9668	0	0	0	10	2345	9668
Souris-Red-Rainy	0	0	0	0	0	0	0	0	0
Missouri	18	5302	26037	1	330	676	19	5632	26713
Arkansas-White-Red	33	9637	43849	1	912	3647	34	10549	47496
Texas-Gulf	29	6765	18169	0	0	0	29	6765	18169
Rio Grande	10	2338	7861	0	0	0	10	2338	7861
Upper Colorado	10	7905	47387	0	0	0	10	7905	47387
Lower Colorado	16	5198	15679	0	0	0	16	5198	15679
Great Basin	1	252	1079	0	0	0	1	252	1079
Pacific Northwest	1	1330	7149	1	1130	5395	2	2460	12535
California	14	2922	9463	1	918	4415	15	3840	13878

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE 3-17

PLANTS USING COOLING PONDS
BY WATER RESOURCE REGIONS

WATER RESOURCE REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
New England	0	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	0	0	0	0	0	0	0
South Atlantic-Gulf	10	9133	47568	3	2032	11453	13	11165	59021
Great Lakes	1	31	3	0	0	0	1	31	3
Ohio	0	0	0	0	0	0	0	0	0
Tennessee	1	414	2483	0	0	0	1	414	2483
Upper Mississippi	6	9092	31483	5	3375	15821	11	12467	47304
Lower Mississippi	0	0	0	0	0	0	0	0	0
Souris-Red-Rainy	0	0	0	0	0	0	0	0	0
Missouri	3	1315	6218	0	0	0	3	1315	6218
Arkansas-White-Red	10	4456	19192	0	0	0	10	4456	19192
Texas-Gulf	18	13152	46590	0	0	0	18	13152	46590
Rio Grande	0	0	0	0	0	0	0	0	0
Upper Colorado	1	2270	13314	0	0	0	1	2270	13314
Lower Colorado	1	377	3220	0	0	0	1	377	3220
Great Basin	1	210	1235	0	0	0	1	210	1235
Pacific Northwest	0	0	0	0	0	0	0	0	0
California	0	0	0	0	0	0	0	0	0

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE 3-18

PLANTS USING COMBINATION COOLING METHODS
BY WATER RESOURCE REGIONS

WATER RESOURCE REGION	FOSSIL			NUCLEAR			AREA TOTAL		
	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**	NO.	CAP.*	GEN.**
New England	3	1545	2734	0	0	0	3	1545	2734
Middle Atlantic	6	4548	14302	2	2130	11578	8	6678	25879
South Atlantic-Gulf	9	5346	19864	1	829	4604	10	6175	24468
Great Lakes	2	1002	2893	0	0	0	2	1002	2893
Ohio	9	11525	52157	0	0	0	9	11525	52157
Tennessee	0	0	0	3	3195	18617	3	3195	18617
Upper Mississippi	7	2596	8634	1	545	3454	8	3141	12088
Lower Mississippi	2	703	2042	0	0	0	2	704	2042
Souris-Red-Rainy	2	171	810	0	0	0	2	171	810
Missouri	5	776	2127	0	0	0	5	776	2127
Arkansas-White-Red	10	3996	16544	0	0	0	10	3996	16544
Texas-Gulf	10	10394	54803	0	0	0	10	10394	54803
Rio Grande	1	44	143	0	0	0	1	44	143
Upper Colorado	1	32	99	0	0	0	1	32	99
Lower Colorado	1	108	80	0	0	0	1	108	80
Great Basin	1	243	714	0	0	0	1	243	714
Pacific Northwest	0	0	0	0	0	0	0	0	0
California	0	0	0	0	0	0	0	0	0

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

4.0 WATER CONSUMPTION COMPUTATIONS

Steam-electric power plants are large users of water. The primary uses of water are for condenser cooling and miscellaneous in-plant usage. In terms of water withdrawals, condenser cooling is presently the single largest use of water.

Each steam-electric power plant has specific characteristics which impact water use. Therefore, it is impossible to provide a procedure which can be used to calculate the exact water use for cooling. Rather, it is the intent of this section to present a procedure which may be used to compute the consumptive water use of a generic nature. A discussion of the consumptive loss associated with the three types of cooling systems is included for purposes of analysis. The systems include:

- 1) Once-through open cycle cooling system (once-through cooling)
- 2) Closed cycle recirculating pond (cooling pond)
- 3) Closed cycle evaporative cooling tower (wet cooling tower)

4.1 Once-Through Cooling

In a once-through cooling system, large quantities of water are withdrawn from a cooling water source, circulated through the condenser and discharged into a receiving water body. The degree to which cooling water is heated during the process depends upon the design and operational characteristics of the system. Under these circumstances, the primary consideration is usually the acceptable thermal standard which applies to the receiving water body. Consumptive water loss resulting from condenser cooling is usually of secondary importance and is assumed to be negligible.

4.2 Cooling Ponds

Cooling ponds are bodies of water, man-made or natural, that are used for dissipating waste heat from steam-electric power plants. A large number of parameters can and do influence the performance of a specific cooling pond. The size, hydraulic behavior, ambient environmental conditions, geographic location, thermal loading and operating characteristics, etc., are a few of the parameters which must be considered.

The consumptive loss associated with operating a cooling pond is primarily the result of infiltration into the ground and forced evaporative losses. No attempt to quantify losses associated with infiltration will be made. Consumptive losses associated with forced evaporation are highly dependent upon local meteorology. Data for each Water Resource Region on consumptive water loss resulting from forced evaporation associated with the operation of a "typical" steam-electric power plant are shown in Figure 4-1.⁽⁹⁾

4.3 Wet Evaporative Cooling Towers

In a wet evaporative cooling tower, the condenser coolant flows over tower fill or packing forming water droplets or thin films of water. An evaporative or wet cooling tower cools water by heat exchange at the air-water interface. The cooling is based primarily upon the process of evaporation (latent heat of evaporation).

The consumptive loss associated with operating wet evaporative cooling towers is primarily the result of drift or entrainment and evaporation losses. Drift loss results from water droplets being removed from the tower by the flowing air stream. This loss is normally only a few percent of the coolant flow rate and can be greatly reduced through the use of drift eliminators. Mathematical models are available to calculate evaporative loss rates associated with operating wet evaporative cooling towers. Data for each Water Resource Region on consumptive water loss resulting from cooling tower evaporation associated with the operation of a typical steam-electric power plant are shown in Figure 4-2.⁽⁹⁾

FIGURE 4-1. Water Consumption Characteristics of Cooling Ponds.

HEDL 8201-055.2

FIGURE 4-2. Water Consumption Characteristics of Wet Evaporative Cooling Towers.

4.4 Water Consumption for a Typical Power Plant

The data presented in Figures 4-1 and 4-2 were developed for a 1000-MWe fossil fueled steam-electric power plant. An overall plant efficiency of 36% with an associated heat rate of 9480 Btu/kWh was assumed. In addition, a 10% stack loss was assumed. As a result, cooling tower heat load was calculated to be 5119 Btu/KWh. An overall plant capacity factor of 80% was assumed.

To calculate the consumptive water loss associated with the operation of steam-electric power plants listed in this report, the following relationship or adjustment factor can be used:

$$F = \left(\frac{\text{Gen. Capacity}}{1000} \right) \left(\frac{\text{Capacity Factor}}{0.8} \right) \left(\frac{\text{Heat Load}}{5119} \right)$$

The consumptive water loss (in million gal/day) can then be calculated for each steam-electric power plant of interest by simply multiplying the consumptive loss data provided in Figures 4-1 and 4-2 by the factor (F).

1. The Nation's Water Resources: 1975-2000, Vol. 1 Summary, U.S. Water Resources Council, Washington, D.C., December 1978.
2. L. D. Jacobson and J. C. Sonnichsen, Jr., Water Use Information System, HEDL-TME 79-38, Hanford Engineering Development Laboratory, Richland, WA, September 1979.
3. Water Resource Regions and Subregions for the National Assessment of Water and Related Water Resources, U.S. Water Resources Council, Washington D.C., July 1970.
4. The 1970 National Power Survey, Part 1, Federal Power Commission, Washington, D.C., December 1971.
5. Espey, Huston Assoc. The Use of Surface Water Impoundments for Cooling of Steam-Electric Power Stations, Austin, TX, Doc.#7775, 1977.
6. D. E. Peterson and J. C. Sonnichsen, Jr., Assessment of Requirements for Dry Cooling Towers, HEDL-TME 76-82, Hanford Engineering Development Laboratory, Richland, WA, 1976.
7. M. C. Hu, Engineering and Economic Evaluation of Wet/Dry Cooling Towers for Water Conservation, UE C-ERDA-761130, C002442-1, United Engineers & Constructors, Inc., Philadelphia, PA, 1976.
8. M. C. Hu and G. A. Engleson, Wet/Dry Cooling Systems for Fossil-Fueled Power Plants: Water Conservation and Plume Abatement, UE C-EPA-77130, EPA-600/7-77-137, United Engineers & Constructors, Inc., Philadelphia, PA, 1977.
9. M. C. Hu and G. A. Engleson, Water Consumption and Costs for Various Steam Electric Power Plant Cooling Systems, EPA-600/7-78-157, US Environmental Protection Agency, Office of Research and Development, Washington, DC, August, 1978.

APPENDIX A

STEAM-ELECTRIC POWER PLANTS

BY NERC AREAS

TABLE A-1

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ECAR

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Acme 1-5	Toledo Edison Co	OH	C-O	307.	634.	Once-Thru	Maumee Rvr
Advance 1-3	No Mich Elec Coop	MI	COAL	40.	243.	Once-Thru	Lake Charlev
Albright 1-3	Potomac Edison Co	WV	COAL	278.	1601.	Once-Thru	Cheat Rvr
Amos 1-3	Appalachian Power Co	WV	COAL	2933.	17994.	Combination	Kanawha Rvr
Armstrong 1-2	West Penn Power Co	PA	COAL	326.	2186.	Once-Thru	Allegheny Rvr
Ashtabula 1-9	Cleveland Elec Ill	OH	C-O	640.	2160.	Once-Thru	Lake Erie
Avon Lake 1-9	Cleveland Elec Ill	OH	C-O	1275.	3994.	Once-Thru	Lake Erie
Bailly 7-8	No Ind Pub Ser Co	IN	C-G	616.	1518.	Combination	Lake Michigan
Bayshore 1-4	Toledo Edison Co	OH	COAL	640.	4013.	Once-Thru	Maumee Bay
Beaver Valley 1	Duquesne Light Co	PA	PWR	852.	301.	Cooling Tower	Ohio Rvr
Beckjord 1-6	Cincinnati G-E Co	OH	COAL	1181.	5636.	Once-Thru	Ohio Rvr
Big Rock Pt	Consumers Power Co	MI	BWR	72.	405.	Once-Thru	Lake Michigan
Big Sandy 1-2	Kentucky Power Co	KY	COAL	1097.	6154.	Cooling Tower	Big Sandy Rvr
Breed 1	Indiana-Mich Elec	IN	COAL	496.	2262.	Once-Thru	Wabash Rvr
Brown, EW 1-3	Kentucky Util Co	KY	COAL	740.	3071.	Cooling Tower	Herrington Lk
Burger 1-5	Ohio Edison Co	OH	COAL	544.	2476.	Once-Thru	Ohio Rvr
Cabin Creek 8-9	Appalachian Power Co	WV	COAL	170.	0.	Once-Thru	Kanawha Rvr
Campbell 1-2	Consumers Power Co	MI	COAL	835.	4365.	Once-Thru	Lake Michigan
Cane Run 1-6	Louisville Gas-Elec	KY	C-G	1017.	2916.	Once-Thru	Ohio Rvr
Cardinal 1-3	Ohio Power Co	OH	C-O	1881.	8379.	Once-Thru	Ohio Rvr
Cayuga 1-2	Pub Ser Co of Ind	IN	COAL	1062.	5586.	Once-Thru	Wabash Rvr
Cheswick 1	Duquesne Light Co	PA	COAL	510.	3260.	Once-Thru	Allegheny Rvr
Clifty Crk 1-6	Ind-Ken Elec Corp	IN	COAL	1304.	9250.	Once-Thru	Ohio Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-1 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ECAR

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Clinch Rvr 1-3	Appalachian Power Co	VA	COAL	714.	4141.	Once-Thru	Clinch Rvr
Cobb 1-5	Consumers Power Co	MI	COAL	511.	2510.	Once-Thru	Muskegon Lk
Coleman 1-4	Big Rvrs Rural Elec	KY	COAL	521.	3167.	Once-Thru	Ohio Rvr
Conemaugh 1-2	Penn Electric Co	PA	COAL	1872.	10538.	Cooling Tower	Conemaugh Rvr
Conesville 1-6	Columbus-So Ohio Ele	OH	COAL	2175	6974.	Combination	Muskingum Rvr
Connors Crk	Detroit Edison Co	MI	COG	540.	696.	Once-Thru	Detroit Rvr
Cook 1	Indiana-Mich Elec	MI	PWR	1054.	6462.	Once-Thru	Lake Michigan
Cook 2	Indiana-Mich Elec	MI	PWR	1100.	6692.	Once-Thru	Lake Michigan
Cooper, JS 1-2	East Ken Rural Elec	KY	COAL	354.	1665.	Once-Thru	Cumberland R
Culley, FB 1-3	So Ind Gas-Elec Co	IN	COAL	419.	2207.	Once-Thru	Ohio Rvr
Dale, WC 1-4	East Ken Rural Elec	KY	COAL	176.	648.	Combination	Kentucky Rvr
Davis-Besse 1	Toledo Edison Co	OH	PWR	906.	2094.	Cooling Tower	Lake Erie
De Young	Holland	MI	C-G	78.	253.	Once-Thru	Black Rvr
Delray 11-16	Detroit Edison Co	MI	O-G	375.	142.	Once-Thru	Detroit Rvr
Eastlake 1-5	Cleveland Elec Ill	OH	COAL	1257.	6301.	Once-Thru	Lake Erie
Eckert 1-6	Lansing	MI	COAL	386.	1375.	Combination	Grand Rvr
Edgewater 2-4	Ohio Edison Co	OH	COAL	193.	845.	Once-Thru	Lake Erie
Edwardsport 6-8	Pub Ser Co of Ind	IN	COAL	144.	314.	Once-Thru	White Rvr
Elrama 1-4	Duquesne Light Co	PA	COAL	510.	2858.	Once-Thru	Monongahela
Erickson 1	Lansing	MI	COAL	165.	850	Cooling Tower	Grand Rvr
Fermi 1	Detroit Edison Co	MI	OIL	158.	6.	Once-Thru	Lake Erie
Ft Martin 1-2	Monongahela Power Co	WV	COAL	1152.	6394.	Cooling Tower	Monongahela
Gallagher 1-4	Pub Ser Co of Ind	IN	COAL	637.	2115.	Once-Thru	Ohio Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-1 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ECAR

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Gavin 1-2	Ohio Electric Co	OH	COAL	2600.	14675.	Cooling Tower	Ohio Rvr
Ghent 1-2	Kentucky Util Co	KY	COAL	1113.	5038.	Cooling Tower	Ohio Rvr
Gibson 1-3	Pub Ser Co of Ind	IN	COAL	2673.	12414.	Once-Thru	
Glen Lyn 5-6	Appalachian Power Co	VA	COAL	337.	1577.	Once-Thru	New Rvr
Gorge 6-7	Ohio Edison Co	OH	COAL	88.	437.	Once-Thru	Cuyahoga Rvr
Green Rvr 1-4	Kentucky Util Co	KY	COAL	264.	5887.	Once-Thru	Green Rvr
Harbor Beach 1	Detroit Edison Co	MI	COAL	121.	344.	Once-Thru	Lake Huron
Harrison 1-3	Monongahela Power Co	WV	COAL	2052.	10968.	Cooling Tower	West Fork Rvr
Hatfields FY	West Penn Power Co	PA	COAL	1728.	8271.	Once-Thru	Monongahela
Hutchings 1-6	Dayton Pow-Light Co	OH	COAL	414.	1551.	Once-Thru	Gr Miami Rvr
Kammer 1-3	Ohio Power Co	WV	COAL	713.	4359.	Once-Thru	Ohio Rvr
Kanawha Rvr 1-2	Appalachian Power Co	WV	COAL	426.	2855.	Once-Thru	Kanawha Rvr
Karn, DE 1-4	Consumers Power Co	MI	C-O	1767.	6064.	Once-Thru	Saginaw Rvr
Kyger Crk 1-5	Ohio Valley Elec Co	OH	C-O	1087.	6733.	Once-Thru	Ohio Rvr
Lake Road 8-11	Cleveland	OH	COAL	160.	0.	Once-Thru	Lake Erie
Lk Shore 14-18	Cleveland Elec Ill	OH	C-O	514.	1340.	Once-Thru	Lake Erie
Logansport	Logansport	IN	C-O	53.	88.	Once-Thru	Eel Rvr
Mad River 1-3	Ohio Edison Co	OH	COAL	75.	150.	Once-Thru	Mad Rvr
Mansfield 1-3	Penn Power Co	PA	COAL	2471.	8756.	Cooling Tower	Ohio Rvr
Marysville 6-8	Detroit Edison Co	MI	COAL	200.	403.	Once-Thru	St Clair Rvr
Miami Fort 3-8	Cincinnati G-E Co	OH	C-O	1460.	6537.	Once-Thru	Ohio Rvr
Michigann City	No Ind Pub Ser Co	IN	C-G	661.	3043.	Once-Thru	Lake Michigan
Milesburg 1-2	West Penn Power Co	PA	COAL	46.	1.	Once-Thru	Spring Crk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-1 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ECAR

	PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
							TYPE	SOURCE
A-4	Mill Crk 1-6	Louisville Gas-Elec	KY	COAL	1174.	4590.	Combination	Ohio Rvr
	Mistersky 1-7	Detroit	MI	C-O	174.	284.	Once-Thru	Detroit Rvr
	Mitchell 1-2	Ohio Power Co	WV	C-O	1633.	8440.	Cooling Tower	Ohio Rvr
	Mitchell 1-3	West Penn Power Co	PA	C-O	218.	1988.	Once-Thru	Monongahela
	Mitchell 4-6,11	No Ind Pub Ser Co	IN	C-G	529.	2019.	Once-Thru	Lake Michigan
	Monroe 1-4	Detroit Edison Co	MI	COAL	3280.	16317.	Once-Thru	Lake Erie
	Morrow 1-4	Consumers Power Co	MI	GAS	186.	173.	Once-Thru	Kalamazoo Rvr
	Mt Storm 1-3	Virginia Elec-Power	WV	COAL	1663.	5656.	Combination	Stony Rvr
	Muskingum 1-5	Ohio Power Co	OH	COAL	1530.	6366.	Once-Thru	Muskingum Rvr
	New Castle 1-5	Penn Power Co	PA	COAL	506.	1926.	Once-Thru	Beaver Rvr
	Niles 1-2	Ohio Edison Co	OH	COAL	250.	1102.	Once-Thru	Mahoning Rvr
	Noblesville 1-2	Pub Ser Co of Ind	IN	COAL	100.	136.	Once-Thru	White Rvr
	Norwalk	Ohio Edison Co	OH	C-O	31.	3.	Cooling Pond	Reservoirs
	Ohio Rvr 1-7	So Ind Gas-Elec Co	IN	O-G	122.	0.	Once-Thru	Ohio Rvr
	Ottawa St	Lansing	MI	COAL	82.	76.	Once-Thru	Grand Rvr
	Paddys Run 1-6	Louisville Gas-Elec	KY	C-G	228.	35.	Once-Thru	Ohio Rvr
	Painesville	Painesville	OA	COAL	57.	144.	Cooling Tower	Minicipal
	Palisades	Consumers Power Co	MI	PWR	805.	2380.	Once-Thru	Lake Michigan
	Paradise 1-3	Tenn Valley Auth	KY	C-O	2558.	10080.	Combination	Green Rvr
	Perry K+W	Indianapolis P-L Co	IN	COAL	59.	61.	Combination	White Rvr
	Petersburg 1-3	Indianapolis P-L Co	IN	COAL	1299.	7318.	Combination	White Rvr
	Phillips 1-4	Duquesne Light Co	PA	COAL	411.	1928.	Once-Thru	Ohio Rvr
	Picway 3-5	Columbus-So Ohio Ele	OH	COAL	106.	466.	Once-Thru	Scioto Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-1 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ECAR

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Piqua	Piqua	OH	COAL	39.	130.	Once-Thru	Gr Miami Rvr
Poston 1-4	Columbus-So Ohio Ele	OH	COAL	226.	804.	Cooling Tower	Wells
Pritchard 1-6	Indianapolis P-L Co	IN	C-O	373.	1000.	Once-Thru	White Rvr
Ratts 1-2	Ind Statewide R.E.C.	IN	COAL	244.	1578.	Once-Thru	White Rvr
Reid 1-3	Big Rvrs Rural Elec	KY	COAL	370.	454.	Once-Thru	Green Rvr
Riverton 1	Potomac Edison Co	VA	OIL	35.	1.	Once-Thru	Shenandoah Rvr
Rivesville 5-6	Monongahela Power Co	WV	COAL	110.	556.	Once-Thru	Monongahela
Rvr Rouge 1-3	Detroit Edison Co	MI	C-O	934.	3399.	Once-Thru	Detroit Rvr
Schahfer 14	No Ind Pub Ser Co	IN	COAL	1032.	3314.	Cooling Tower	Kankakee Rvr
Seward 2-5	Penn Electric Co	PA	COAL	280.	1176.	Once-Thru	Conemaugh Rvr
Shawnee 1-10	Tenn Valley Auth	KY	C-O	1750.	8450.	Once-Thru	Ohio Rvr
A-5 Shippingport	Duquesne Light Co	PA	LWB	100.	323.	Once-Thru	Ohio Rvr
Sixty-Five	Michigan State Univ	MI	C-G	40.	96.	Cooling Tower	Wells
Smith, E 1-2	Owensboro	KY	C-O	416.	1920.	Once-Thru	Ohio Rvr
Sporn 1-5	Appalachian Power Co	WV	COAL	1106.	5012.	Once-Thru	Ohio Rvr
Springdale 7-8	West Penn Power Co	PA	OIL	215.	28.	Once-Thru	Allegheny Rvr
Spurlock 1	East Ken Rural Elec	KY	COAL	300.	1413.	Combination	Ohio Rvr
St Clair 1-7	Detroit Edison Co	MI	C-O	1906.	6344.	Once-Thru	St Clair Rvr
State Line 1-4	Commonwealth Edison	IN	C-G	614.	2534.	Once-Thru	Lake Michigan
Stout 1-7	Indianapolis P-L Co	IN	C-O	852.	3080.	Combination	White Rvr
Stuart 1-4	Dayton Pow-Light Co	OH	COAL	2440.	12386.	Once-Thru	Ohio Rvr
Tait 1-5, 7-8	Dayton Pow-Light Co	OH	C-O	449.	1087.	Once-Thru	Gr Miami Rvr
Tanners Crk 1-4	Indiana-Mich Elec	IN	COAL	1101.	4456.	Once-Thru	Ohio Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-1 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ECAR

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Trenton Chan	Detroit Edison Co	MI	COG	776.	3781.	Once-Thru	Detroit Rvr
Twin Branch 4-5	Indiana-Mich Elec	IN	C-O	238.	0.	Once-Thru	St Joseph Rvr
Tyrone 1-3	Kentucky Util Co	KY	C-O	137.	98.	Once-Thru	Kentucky Rvr
Wabash Rvr 1-6	Pub Ser Co of Ind	IN	COAL	962.	2981.	Once-Thru	Wabash Rvr
Weadock 1-8	Consumers Power Co	MI	C-O	615.	1807.	Once-Thru	Saginaw Rvr
Whitewater Val	Richmond	IN	C-O	93.	447.	Cooling Tower	Whitewater Rvr
Whiting 1-3	Consumers Power Co	MI	COAL	325.	1937.	Once-Thru	Lake Erie
Willow Is 1-2	Monongahela Power Co	WV	COAL	215.	724.	Once-Thru	Ohio Rvr
Wyandotte	Wyandotte	MI	C-G	42.	122.	Once-Thru	Detroit Rvr

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE A-2

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ERCOT

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Bates, JL 1-2	Cen Power-Light	TX	O-G	189.	682.	Cooling Tower	Irrig Dist
Bertron, S 1-4	Houston Light-Power	TX	O-G	826.	3420.	Combination	Houston Channel
Big Brown, 1-2	Texas Power-Light	TX	C-G	1187.	7253.	Once-Thru	Big Brown Cr
Braunig, V 1-3	San Antonio	TX	O-G	894.	1232.	Cooling Pond	Sewage Effln
Brownsville 4-6	Brownsville	TX	O-G	53.	151.	Cooling Tower	Municipal
Cedar Bayou 1-3	Houston Light-Power	TX	O-G	2295.	13073.	Combination	Cedar Bayou
Clarke, HO 1-4	Houston Light-Power	TX	O-G	210.	236.	Cooling Tower	Wells
Collin 1	Texas Power-Light	TX	O-G	153.	239.	Cooling Tower	Wells
Concho 3-4	West Texas Util Co	TX	O-G	53.	71.	Cooling Tower	Municipal
Dallas 3, 9	Dallas Power-Light	TX	O-G	154.	73.	Cooling Tower	Wells
Davis, BM 1-2	Cen Power-Light	TX	O-G	704.	3357.	Combination	Laguna Madre
Decker Crk 1-2	Austin	TX	O-G	788.	1283.	Once-Thru	Lake Decker
Decordova	Texas Power-Light	TX	O-G	799.	2634.	Once-Thru	Artificial Lk
Deely 1-2	San Antonio	TX	COG	894.	4633.	Once-Thru	San Antonio
Deepwater 1-8	Houston Light-Power	TX	GAS	354.	766.	Combination	Houston Channel
Denton 1-5	Denton	TX	O-G	193.	364.	Cooling Tower	Sewage Effln
Eagle Mtn 1-3	Texas Elec Ser Co	TX	GAS	706.	575.	Cooling Pond	Eagle Mtn Lk
Fayette 1	Lower Colo Rvr Auth	TX	C-O	600.	5305.	Cooling Pond	
Ferguson 1	Lower Colo Rvr Auth	TX	O-G	408.	1190.	Once-Thru	Lake
Ft Phantom 1-2	West Texas Util Co	TX	O-G	347.	2064.	Once-Thru	Lake
Gable St 6-7	Houston Light-Power	TX	GAS	53.	2.	Cooling Tower	Wells
Gideon 1-3	Lower Colo Rvr Auth	TX	O-G	565.	1199.	Cooling Pond	Colorado Rvr
Graham 1-2	Texas Elec Ser Co	TX	GAS	635.	2252.	Cooling Pond	Graham Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-2 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ERCOT

	PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
							TYPE	SOURCE
A-8	Greens Bayou	Houston Light-Power	TX	O-G	821.	2528.	Cooling Tower	Wells
	Greenville 103	Greenville	TX	O-G	79.	244.	Once-Thru	Reservoir
	Handley 1-5	Texas Elec Ser Co	TX	GAS	1434.	2788.	Cooling Pond	Lake Arlington
	Hill, LC 1-4	Cen Power-Light	TX	O-G	445.	1685.	Cooling Tower	Municipal
	Holly St 1-4	Austin	TX	O-G	628.	662.	Once-Thru	Colorado Rvr
	Joslin, ES 1	Cen Power-Light	TX	O-G	261.	1096.	Once-Thru	Lavaca Bay
	La Palma 3-6	Cen Power-Light	TX	O-G	211.	1195.	Cooling Tower	Municipal
	Lake Crk 1-2	Texas Power-Light	TX	O-G	315.	86.	Cooling Pond	Brazos Rvr
	Laredo 1-3	Cen Power-Light	TX	O-G	187.	606.	Cooling Tower	Rio Grande R
	Leon Creek 1-4	San Antonio	TX	O-G	264.	0.	Cooling Tower	Wells
	Lk Hubbard 1-2	Dallas Power-Light	TX	O-G	928.	2541.	Once-Thru	Trinity Rvr
	Miller 1-3	Brazos Elec Power	TX	O-G	405.	1782.	Once-Thru	Palo Pinto C
	Mission Rd 1-3	San Antonio	TX	O-G	164.	0.	Cooling Tower	Wells
	Morgan Crk 1-6	Texas Elec Ser Co	TX	GAS	827.	3176.	Cooling Pond	Lake Colorado
	Mtn Crk 1-4,7-8	Dallas Power-Light	TX	O-G	959.	1010.	Once-Thru	Mtn Crk Lk
	N Main	Texas Elec Ser Co	TX	GAS	81.	56.	Combination	Trinity Rvr
	Neches 3-8	Gulf States Util Co	TX	O-G	455.	2423.	Combination	Neches Rvr
	Neuces Bay 3-7	Cen Power-Light	TX	O-G	566.	1979.	Once-Thru	Ship Channel
	Newman, CE	Garland	TX	O-G	97.	29.	Cooling Tower	Municipal
	North Lake 1-3	Dallas Power-Light	TX	O-G	709.	2092.	Cooling Pond	Elk Fk Trinity
	North Texas 1-3	Brazos Elec Power	TX	O-G	76.	100.	Once-Thru	Lk Weatherford
	Oak Crk 1	West Texas Util Co	TX	O-G	75.	515.	Cooling Pond	Oak Crk Res
	Olinger 1-3	Garland	TX	O-G	343.	1502.	Once-Thru	Lavon Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-2 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

ERCOT

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Paint Crk 1-4	West Texas Util Co	TX	O-G	242.	934.	Cooling Pond	Lake Stamford
Parish, WA 1-6	Houston Light-Power	TX	COG	2723.	16217.	Combination	Dry Crk
Parkdale 1-3	Dallas Power-Light	TX	O-G	341.	300.	Cooling Tower	White Rock C
Pauline 1-2	West Texas Util Co	TX	O-G	40.	31.	Cooling Pond	Lk Pauline
Pearsall 1-3	Medina Elec Coop	TX	O-G	75.	184.	Cooling Tower	Wells
Permian Basin	Texas Elec Ser Co	TX	GAS	707.	2487.	Cooling Tower	Wells
Rayburn 3	S Texas Elec Coop	TX	O-G	28.	114.	Combination	Gaudelupe Rvr
Rio Pecos	West Texas Util Co	TX	O-G	95.	607.	Cooling Tower	Wells
River Crest 1	Texas Power-Light	TX	O-G	110.	118.	Cooling Pond	Sulphur Rvr
Robinson 1-4	Houston Light-Power	TX	GAS	2315.	13193.	Combination	Dickinson Bay
San Angelo 2	West Texas Util Co	TX	O-G	108.	608.	Cooling Pond	Lk Nasworthy
Seaholm 5-9	Austin	TX	O-G	120.	33.	Once-Thru	Colorado Rvr
Sommers, OW 1-2	San Antonio	TX	O-G	893.	1983.	Cooling Pond	San Antonio
Stryker Crk 1-2	Texas Power-Light	TX	O-G	704.	2656.	Once-Thru	Stryker Cr
Tradinghouse Cr	Texas Power-Light	TX	O-G	1380.	4173.	Cooling Pond	Brazos Rvr
Trinidad 5-6	Texas Power-Light	TX	O-G	310.	404.	Cooling Pond	Trinity Rvr
Tuttle, WB 1-4	San Antonio	TX	O-G	494.	211.	Cooling Tower	Wells
Valley 1-3	Texas Power-Light	TX	O-G	1176.	2700.	Cooling Pond	Red Rvr
Victoria 3-6	Cen Power-Light	TX	O-G	554.	1592.	Cooling Tower	Guadalupe Rvr
Webster 1-3	Houston Light-Power	TX	O-G	614.	2184.	Combination	Clear Crk
Wharton, Th 1-4	Houston Light-Power	TX	O-G	323.	1329.	Cooling Tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-3

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MAAC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Barbadoes 3-4	Philadelphia Elec Co	PA	O-G	134.	0.	Once-Thru	Schuylkill Rvr
Benning 11-16	Potomac Electric	MD	OIL	630.	552.	Combination	Anacostia Rvr
Bergen 1-2	Pub Ser Elec-Gas	NJ	O-G	650.	2016.	Once-Thru	Passaic Rvr
Brunner Is 1-3	Penn Power-Light	PA	COAL	1559.	9348.	Once-Thru	Susquehanna
Burlington - NJ	Pub Ser Elec-Gas	NJ	OIL	455.	519.	Once-Thru	Delaware Rvr
Buzzard Pt 2-6	Potomac Electric	MD	OIL	222.	123.	Once-Thru	Anacostia Rvr
Cal. Cliffs 1	Baltimore Gas-Elect	MD	PWR	845.	4534.	Once-Thru	Chesapeake Bay
Cal. Cliffs 2	Baltimore Gas-Elect	MD	PWR	845.	6413.	Once-Thru	Chesapeake Bay
Chalk Point 1-3	Potomac Electric	MD	C-O	1387.	3792.	Once-Thru	Patuxent Rvr
Chester 5-6	Philadelphia Elec Co	PA	O-G	130.	21.	Once-Thru	Delaware Rvr
Crane 1-2	Baltimore Gas-Elect	MD	C-O	400.	1273.	Once-Thru	Seneca Crk
Cromby 1-2	Philadelphia Elec Co	PA	C-O	418.	1618.	Once-Thru	Schuylkill Rvr
Deepwater 1,3-7	Atlantic City Elec	NJ	C-O	306.	1125.	Once-Thru	Delaware Rvr
Delaware City	Delmarva Power-Light	DE	O-G	130.	524.	Once-Thru	Delaware Rvr
Delaware 7-8	Philadelphia Elec Co	PA	OIL	313.	586.	Once-Thru	Delaware Rvr
Down 1-5	Vineland	NJ	COG	76.	289.	Cooling Tower	Wells
Eddystone 1-4	Philadelphia Elec Co	PA	C-O	1489.	3216.	Once-Thru	Delaware Rvr
Edge Moor 1-5	Delmarva Power-Light	DE	O-G	836.	3393.	Once-Thru	Delaware Rvr
England 1-3	Atlantic City Elec	NJ	C-O	476.	2282.	Once-Thru	Gr Egg Harbor
Front St 1-5	Penn Electric Co	PA	COAL	119.	504.	Once-Thru	Lake Erie
Gilbert 1-3	Jersey Cen Power-Li	NJ	O-G	126.	357.	Once-Thru	Delaware Rvr
Gilbert 4-8	Jersey Cen Power-Li	NJ	COMB	340.	207.	Once-Thru	Delaware Rvr
Gould St 3	Baltimore Gas-Elect	MD	C-O	103.	225.	Once-Thru	Patapsco Rvr
Holtwood 1	Penn Power-Light	PA	COAL	75.	436.	Once-Thru	Susquehanna

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-3 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MAAC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Homer City 1-3	Penn Electric Co	PA	COAL	2012.	10377.	Cooling Tower	Two Lick Crk
Hudson 1-2	Pub Ser Elec-Gas	NJ	COG	1115.	4235.	Once-Thru	Hackensack
Hunlock Crk 3	United Gas Corp	PA	COAL	46.	305.	Once-Thru	
Indian Rvr 1-4	Delmarva Power-Light	DE	COAL	786.	2225.	Once-Thru	Indian Rvr
Kearny 7-8	Pub Ser Elec-Gas	NJ	OIL	314.	652.	Once-Thru	Hackensack
Keystone - PA	Penn Electric Co	PA	COAL	1872.	10635.	Cooling Tower	Crooked Crk
Linden 1,2,4	Pub Ser Elec-Gas	NJ	OIL	613.	1551.	Once-Thru	Arthur Kill
McKee Run 1-3	Dover	DE	O-G	172.	496.	Cooling Tower	Municipal
Mercer 1-2	Pub Ser Elec-Gas	NJ	C-G	653.	2843.	Once-Thru	Delaware Rvr
Montour 1-2	Penn Power-Light	PA	COAL	1642.	10117.	Cooling Tower	Susquehanna
Morgantown 1-2	Potomac Electric	MD	C-O	1251.	6702.	Once-Thru	Potomac Rvr
Oyster Creek	Jersey Cen Power-Li	NJ	BWR	650.	1958.	Once-Thru	Barnegat Bay
Peach Bottom 2	Philadelphia Elec Co	PA	BWR	1065.	4344.	Combination	Susquehanna
Peach Bottom 3	Philadelphia Elec Co	PA	BWR	1065.	7234.	Combination	Susquehanna
Richmond 9,12	Philadelphia Elec Co	PA	OIL	355.	176.	Once-Thru	Delaware Rvr
Riverside 1	Baltimore Gas-Elect	MD	C-O	334.	370.	Once-Thru	Patapsco Rvr
Salem 1	Pub Ser Elec-Gas	NJ	PWR	1090.	5685.	Once-Thru	Delaware Rvr
Sammis 1-7	Ohio Edison Co	OH	COAL	2304.	10868.	Once-Thru	Ohio Rvr
Sayreville 1-5	Jersey Cen Power-Li	NJ	O-G	347.	1051.	Once-Thru	Raritan Rvr
Schuylkill	Philadelphia Elec Co	PA	OIL	275.	608.	Once-Thru	Schuylkill R
Sewaren 1-5	Pub Ser Elec-Gas	NJ	O-G	820.	2283.	Once-Thru	Arthur Kill
Shawville 1-4	Penn Electric Co	PA	COAL	628.	3718.	Combination	Susquehanna
Smith 3-4	Potomac Edison Co	MD	COAL	109.	673.	Once-Thru	Potomac Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-3 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MAAC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Southwark 1-2	Philadelphia Elec Co	PA	OIL	345.	325.	Once-Thru	Delaware Rvr
Sunbury 1-4	Penn Power-Light	PA	COAL	410.	2470.	Once-Thru	Susquehanna
Titus 1-3	Metropolitan Edison	PA	COAL	225.	1476.	Once-Thru	Schuylkill R
Toronto 5-7	Ohio Edison Co	OH	C-O	175.	720.	Once-Thru	Ohio Rvr
Vienna 5-8	Delmarva Power-Light	MD	OIL	230.	438.	Combination	Nanticoke Rvr
Wagner 1-4	Baltimore Gas-Elect	MD	C-O	1043.	2811.	Once-Thru	Patapsco Rvr
Warren 1-2	Penn Electric Co	PA	COAL	85.	534.	Once-Thru	Allegheny Rvr
Werner 4	Jersey Cen Power-Li	NJ	OIL	60.	153.	Once-Thru	Raritan Rvr
Westport 1	Baltimore Gas-Elect	MD	C-O	194.	141.	Once-Thru	Patapsco Rvr
Williamsburg	Penn Electric Co	PA	COAL	25.	228.	Combination	Juniata Rvr
3 Mile Island 1	Metropolitan Edison	PA	PWR	819.	0.	Cooling Tower	Susquehanna
3 Mile Island 2	Metropolitan Edison	PA	PWR	906.	0.	Cooling Tower	Susquehanna

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-4

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MAIN

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Abbott	Univ of Illinois	IL	OIL	30.	37.	Cooling Tower	Municipal
Ashley 1, 7-9	Union Electric Co	MO	OIL	70.	1.	Once-Thru	Mississippi
Baldwin 1-3	Illinois Power Co	IL	COAL	1892.	10218.	Cooling Pond	Kaskaskia Rvr
Blackhawk 1-2	Wisconsin Pow-Light	WI	C-G	50.	45.	Once-Thru	Rock Rvr
Blount St 1-7	Madison Gas-Elec	WI	COG	196.	367.	Once-Thru	Monona Lk
Chamois 1-2	Central Elec Pow Coop	MO	COAL	59.	270.	Once-Thru	Missouri Rvr
Coffeen 1-2	Central Ill Pub Ser	IL	COAL	1006.	3557.	Cooling Pond	Coffeen Lk
Collins 1-4	Commonwealth Edison	IL	OIL	2650.	5004.	Cooling Pond	
Columbia 1-2	Wisconsin Pow-Light	WI	COAL	1112.	5791.	Once-Thru	Wisconsin Rvr
Columbia	Columbia	MO	COAL	108.	153.	Cooling Tower	Municipal
Commerce St	Wisconsin Elec Pow	WI	O-G	35.	72.	Once-Thru	Milwaukee Rvr
Crawford 7-8	Commonwealth Edison	IL	COG	597.	2651.	Once-Thru	Chicago Canal
Dallman 1-3	Springfield	IL	COAL	373.	1251.	Once-Thru	Lk Springfield
Dewey 1-2	Wisconsin Pow-Light	WI	COAL	227.	1128.	Once-Thru	Mississippi
Dresden 1	Commonwealth Edison	IL	BWR	209.	0.	Cooling Pond	Illinois Rvr
Dresden 2	Commonwealth Edison	IL	BWR	794.	4581.	Cooling Pond	Illinois Rvr
Dresden 3	Commonwealth Edison	IL	BWR	794.	4330.	Cooling Pond	Illinois Rvr
Duck Crk 1	Central Ill Light Co	IL	COAL	441.	2263.	Once-Thru	Reservoir
Edgewater 1-4	Wisconsin Pow-Light	WI	COAL	477.	2238.	Once-Thru	Lake Michigan
Edwards 1-3	Central Ill Light Co	IL	COAL	780.	2524.	Once-Thru	Illinois Rvr
Escanaba 1-2	Upper Peninsula Gen	MI	COAL	29.	101.	Once-Thru	Lake Michigan
Fisk 18-19	Commonwealth Edison	IL	C-G	374.	1692.	Once-Thru	Chicago Canal
Grand Tower 3-4	Central Ill Pub Ser	IL	COAL	195.	839.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-4 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MAIN

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Havana 1-6	Illinois Power Co	IL	C-O	732.	1358.	Once-Thru	Illinois Rvr
Hennepin 1-2	Illinois Power Co	IL	C-G	719.	1862.	Once-Thru	Illinois Rvr
Hutsonville 1-4	Central Ill Pub Ser	IL	C-O	200.	926.	Once-Thru	Wabash Rvr
Joliet 5-8	Commonwealth Edison	IL	C-G	1680.	5811.	Once-Thru	Des Plaines
Joppa 1-6	Electric Energy Inc	IL	COAL	1100.	5762.	Once-Thru	Ohio Rvr
Kewaunee	Wisconsin Pow-Light	WI	PWR	535.	3632.	Once-Thru	Lake Michigan
Kincaid 1-2	Commonwealth Edison	IL	COAL	1319.	5181.	Cooling Pond	Local Runoff
Labadie 1-4	Union Electric Co	MO	COAL	2482.	11144.	Once-Thru	Missouri Rvr
Lakeside 1-12	Wisconsin Elec Pow	WI	OIL	311.	342.	Once-Thru	Lake Michigan
Lakeside 1-7	Springfield	IL	COAL	146.	208.	Once-Thru	Lk Springfield
Manitowoc	Manitowoc	WI	COAL	69.	70.	Once-Thru	Lake Michigan
Marion 2-3	S Illinois Pow Coop	IL	COAL	270.	1344.	Once-Thru	Crab Orchard
Menasha 1-4	Menasha	WI	COAL	34.	44.	Once-Thru	Lake Winnebago
Meramec 1-4	Union Electric Co	MO	C-G	923.	2693.	Once-Thru	Mississippi
Meredosia 1-4	Central Ill Pub Ser	IL	C-O	564.	1807.	Once-Thru	Illinois Rvr
Moline 5-7	Iowa-Ill Gas-Elec	IL	O-G	65.	11.	Once-Thru	Mississippi
Moline 8	Iowa-Ill Gas-Elec	IL	COMB	42.	0.	Once-Thru	Mississippi
N Oak Creek 1-4	Wisconsin Elec Pow	WI	C-O	500.	2222.	Once-Thru	Lake Michigan
Newton 1	Central Ill Pub Ser	IL	COAL	617.	3048.	Once-Thru	
Point Beach 1	Wisc-Mich Power Co	WI	PWR	497.	2477.	Once-Thru	Lake Michigan
Point Beach 2	Wisc-Mich Power Co	WI	PWR	497.	3588.	Once-Thru	Lake Michigan
Port Wash. 1-5	Wisconsin Elec Pow	WI	COAL	400.	1381.	Once-Thru	Lake Michigan
Powerton 5-6	Commonwealth Edison	IL	COAL	1785.	4913.	Cooling Pond	Illinois Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-4 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MAIN

	PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
							TYPE	SOURCE
A-15	Presque Isle	Upper Peninsula Gen	MI	COAL	625.	2941.	Once-Thru	Lake Superior
	Pulliam 1-8	Wisc Pub Ser Corp	WI	COG	373.	1554.	Once-Thru	Fox Rvr
	Ridgeland 1-4	Commonwealth Edison	IL	OIL	690.	1711.	Once-Thru	Chicago Canal
	Rock Rvr 1-2	Wisconsin Pow-Light	WI	COAL	150.	425.	Once-Thru	Rock Rvr
	Rush Island 1-2	Union Electric Co	MO	COAL	1241.	6222.	Once-Thru	Mississippi
	S Oak Creek 5-8	Wisconsin Elec Pow	WI	C-O	1170.	3561.	Once-Thru	Lake Michigan
	Shiras	Marquette	MI	C-G	34.	172.	Once-Thru	Lake Superior
	Sioux 1-2	Union Electric Co	MO	COAL	1100.	3972.	Once-Thru	Mississippi
	Stoneman 1-2	Dairyland Pow Coop	WI	COAL	52.	127.	Once-Thru	Mississippi
	Thomas Hill 1-2	Assoc Elec	MO	COAL	470.	2867.	Cooling Pond	Artificial Lk
	Valley 1-2	Wisconsin Elec Pow	WI	COAL	269.	1140.	Once-Thru	Milwaukee Rvr
	Venice No 2 1-6	Union Electric Co	IL	C-G	474.	92.	Once-Thru	Mississippi
	Vermilion 1-2	Illinois Power Co	IL	COAL	186.	1005.	Cooling Tower	Reservoir
	Wallace 3-7	Central Ill Light Co	IL	COAL	305.	225.	Once-Thru	Illinois Rvr
	Waukegan 5-8	Commonwealth Edison	IL	C-G	802.	2808.	Once-Thru	Lake Michigan
	Weston 1-2	Wisc. Pub Ser Corp	WI	C-G	135.	667.	Once-Thru	Wisconsin Rvr
	Wildwood 1-6	Marshfield	WI	COG	42.	65.	Combination	Artificial Lk
	Will County 1-4	Commonwealth Edison	IL	COAL	1269.	4019.	Once-Thru	Chicago Canal
	Wood Rvr 1-5	Illinois Power Co	IL	COG	651.	1866.	Once-Thru	Mississippi
	Zion 1	Commonwealth Edison	IL	PWR	1098.	6515.	Once-Thru	Lake Michigan
	Zion 2	Commonwealth Edison	IL	PWR	1098.	5279.	Once-Thru	Lake Michigan

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-5
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MARCA

	PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
							TYPE	SOURCE
A-16	Allen King 1	No. States Power Co	MN	COAL	598.	2396.	Combination	St Croix Rvr
	Alma 1-5	Dairyland Pow Coop	WI	COAL	208.	1808.	Once-Thru	Mississippi
	Ames 5-7	Ames	IA	C-G	54.	184.	Cooling Tower	Municipal
	Austin 1-4	Austin	MN	COG	32.	33.	Cooling Tower	Cedar Rvr
	Bay Front 1-6	Lk Superior Dist Pow	WI	COG	82.	184.	Once-Thru	Lake Superior
	Big Stone 1	Ottertail Power Co	SD	C-O	440.	2610.	Cooling Pond	Big Stone Lk
	Black Dog 1-4	No. States Power Co	MN	C-G	481.	798.	Combination	Minnesota Rvr
	Bluffs 2-4	Neb Pub Power Dist	NB	O-G	42.	70.	Cooling Tower	Wells
	Boone	Iowa Elec Light-Pow	IA	C-G	34.	16.	Cooling Tower	Municipal
	Boswell 1-3	Minn Power-Light	MN	C-O	1032.	4513.	Combination	Mississippi
	Bridgeport 1-3	Iowa Southern Util	IA	C-O	71.	2.	Cooling Tower	Des Moines Rvr
	Burdick 1-6	Grand Island	NB	O-G	93.	207.	Once-Thru	Wells
	Burlington 1	Iowa Southern Util	IA	COAL	188.	869.	Once-Thru	Mississippi
	Canaday 1	Cen Neb Pub Pow-Irr	NB	O-G	100.	480.	Once-Thru	Supply Canal
	Colstrip 1-2	Montana Power Co	MT	COAL	717.	3918.	Cooling Tower	Yellowstone
	Cooper	Neb Pub Power Dist	NB	BWR	778.	3788.	Once-Thru	Missouri Rvr
	Council Bluffs	Iowa Power-Light	IA	C-G	781.	3247.	Once-Thru	Missouri Rvr
	Des Moines 4-7	Iowa Power-Light	IA	COG	270.	496.	Combination	Des Moines Rvr
	Duane Arnold 1	Iowa Elec Light-Pow	IA	BWR	538.	2563.	Cooling Tower	Cedar Rvr
	Dubuque 1-4	Interstate Pow Co	IA	COG	88.	291.	Once-Thru	Mississippi
	Elk River 1-3	United Power Assn	MN	C-O	46.	23.	Once-Thru	Mississippi
	Fair Sta 1-2	E Iowa Light-Pow Coop	IA	C-G	55.	190.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-5 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MARCA

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Fox Lake 1-3	Interstate Pow Co	MN	C-O	105.	226.	Once-Thru	Fox Lk
Fremont 608	Fremont Dept of Util	NB	C-G	135.	280.	Combination	Wells
Ft. Calhoun	Omaha Pub Power Dist	NB	BWR	457.	2011.	Once-Thru	Missouri Rvr
Genoa 3	Dairyland Pow Coop	WI	COAL	350.	1925.	Once-Thru	Mississippi
Heskett 1-3	Montana-Dakota Util	ND	C-G	100.	564.	Once-Thru	Missouri Rvr
Hibbard 1-4	Minn Power-Light	MN	O-G	126.	125.	Once-Thru	St Louis Rvr
High Bridge 3-6	No. States Power Co	MN	C-G	392.	968.	Once-Thru	Mississippi
Hoot Lake 1-3	Ottertail Power Co	MN	COAL	137.	736.	Combination	Otter Tail Rvr
Humboldt 1-4	Corn Belt Power Coop	IA	C-G	49.	7.	Once-Thru	Des Moines Rvr
Jones St 11-12	Omaha Pub Power Dist	NB	O-G	83.	1.	Once-Thru	Missouri Rvr
Kapp, ML 1-2	Interstate Pow Co	IA	C-G	239.	1176.	Once-Thru	Mississippi
Kirk 1-4	Black Hills P-L	SD	COAL	32.	121.	Cooling Tower	
Kramer 1-3	Neb Pub Power Dist	NB	C-G	137.	260.	Once-Thru	Missouri Rvr
La Crosse	Dairyland Pow Coop	WI	BWR	50.	214.	Once-Thru	Mississippi
Lansing 1-4	Interstate Pow Co	IA	COAL	339.	1321.	Once-Thru	Mississippi
Laskin 1-2	Minn Power-Light	MN	COAL	110.	252.	Once-Thru	Colby Lk
Lewis + Clark	Montana-Dakota Util	MT	C-G	50.	296.	Once-Thru	Yellowstone
Maynard 6-7	Iowa Pub Ser Co	IA	COG	77.	60.	Once-Thru	Cedar Rvr
Minnesota Val	No. States Power Co	MN	C-G	47.	32.	Once-Thru	Minnesota Rvr
Monticello 1	No. States Power Co	MN	BWR	545.	3454.	Combination	Mississippi
Moorhead 1-4	Moorhead	MN	COAL	34.	74.	Combination	Red Rvr
Mr Young 1-2	Minnkota Power Coop	ND	C-O	673.	4202.	Cooling Tower	Sq Butte Crk
Muscatine 5-8	Muscatine	IA	C-G	125.	796.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-5 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MARCA

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
N Denver	Hastings	NB	O-G	54.	142.	Combination	Wells
Neal 1-4	Iowa Pub Ser Co	IA	COAL	1686.	7363.	Once-Thru	Missouri Rvr
New Ulm 1-4	New Ulm	MN	COG	30.	108.	Cooling Tower	Municipal
North Omaha 1-5	Omaha Pub Power Dist	NB	C-G	646.	2612.	Once-Thru	Missouri Rvr
Northeast 1	Austin	MN	C-G	32.	109.	Cooling Tower	Wells
Olds 1-2	Basin Elec Coop	ND	COAL	650.	3567.	Once-Thru	Missouri Rvr
Osage 1-3	Black Hills P-L	WY	COAL	30.	219.	Cooling Tower	Wells
Owatonna 1-6	Owatonna	MN	O-G	35.	110.	Cooling Tower	Municipal
Pathfinder	No. States Power Co	SD	O-G	76.	100.	Cooling Tower	Big Sioux Rvr
Pella	Pella Power-Light	IA	C-O	40.	100.	Cooling Tower	Municipal
Prairie Crk 1-3	Cen Iowa Power Coop	IA	COAL	97.	0.	Once-Thru	Cedar Rvr
Prairie Crk 4	Iowa Elec Light-Pow	IA	C-G	149.	0.	Once-Thru	Cedar Rvr
Prairie Isl 1	No. States Power Co	MN	PWR	530.	3106.	Cooling Tower	Mississippi
Prairie Isl 2	No. States Power Co	MN	PWR	530.	3469.	Cooling Tower	Mississippi
Quad Cities 1	Commonwealth Edison	IL	BWR	789.	3442.	Cooling Pond	Mississippi
Quad Cities 2	Commonwealth Edison	IL	BWR	789.	3614.	Cooling Pond	Mississippi
Riverside	Iowa-Ill Gas-Elec	IA	C-G	202.	590.	Once-Thru	Mississippi
Riverside - MN	No. States Power Co	MN	COG	378.	1073.	Once-Thru	Mississippi
Sheldon Sta 1-2	Neb Pub Power Dist	NB	C-G	220.	727.	Cooling Tower	Wells
Sherburne 1-2	No. States Power Co	MN	COAL	1440.	8340.	Cooling Tower	Mississippi
Silver Lake 1-4	Rochester	MN	C-G	107.	367.	Combination	Zumbro Rvr
Stanton 1	United Power Assn	ND	COAL	172.	1078.	Once-Thru	Missouri Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-5 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

MARCA

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Sutherland 1-3	Iowa Elec Light-Pow	IA	C-G	157.	586.	Cooling Tower	Wells
Virginia 1-6	Virginia	MN	C-G	38.	71.	Once-Thru	Silver Lk
Willmar	Willmar	MN	COAL	30.	57.	Cooling Tower	Wells
Wilmarth 1-2	No. States Power Co	MN	C-G	25.	15.	Once-Thru	Minnesota Rvr
Winslow 2-3	Superior Wat-L.-Pow	WI	O-G	25.	31.	Once-Thru	Lake Superior
Wisdom	Corn Belt Power Coop	IA	C-G	39.	54.	Cooling Tower	Des Moines Rvr
Wyodak 1	Black Hills P-L	WY	COAL	330.	2463.	Cooling Tower	
6th Street 1-8	Iowa Elec Light-Pow	IA	C-G	92.	117.	Cooling Tower	Private Lake

A-19

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-6

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

NPCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Albany 1-4	Niagara-Mohawk Power	NY	OIL	400.	2130.	Once-Thru	Hudson Rvr
Arthur Kill 2-3	Con Edison	NY	OIL	912.	2258.	Once-Thru	Arthur Kill
Astoria 1-5	Con Edison	NY	O-G	1551.	3845.	Once-Thru	East Rvr
Barrett 1-2	Long Island Lighting	NY	O-G	380.	1806.	Once-Thru	Hog Is Channel
Beebee	Rochester Gas-Elec	NY	C-O	205.	617.	Once-Thru	Genesee Rvr
Bowline Pt 1-2	Orange-Rockland Util	NY	O-G	1242.	3756.	Once-Thru	Hudson Rvr
Brayton Pt 1-4	New England Power	MA	C-O	1600.	8375.	Once-Thru	Taunton Rvr
Bridgeport Harbor	United Illum Co	CT	C-O	661.	2869.	Once-Thru	Bridgeport Har
Canal 1-2	Canal Electric Co	MA	OIL	1073.	6477.	Once-Thru	Cape Cod Bay
Cannon St 1-2	New Bedford Gas	MA	O-G	63.	106.	Once-Thru	Acushnet Rvr
Carlson 2-6	Jamestown	NY	COAL	74.	291.	Once-Thru	Chadakoin Rvr
Cleary 8	Taunton Mun Light	MA	OIL	28.	61.	Once-Thru	Taunton Rvr
Cleary 9	Taunton Mun Light	MA	OIL	110.	253.	Cooling Tower	Municipal
Danskammer 1-4	Cen Hudson Gas-Elec	NY	OIL	532.	1751.	Once-Thru	Hudson Rvr
Devon 3-8	Conn Light and Power	CT	OIL	429.	1448.	Once-Thru	Housatonic Rvr
Dickerson 1-3	Potomac Electric	MD	COAL	587.	2915.	Once-Thru	Potomac Rvr
Dunkirk 1-4	Niagara-Mohawk Power	NY	COAL	628.	3163.	Once-Thru	Lake Erie
East River 5-7	Con Edison	NY	O-G	513.	1354.	Once-Thru	East Rvr
English 1-8	United Illum Co	CT	OIL	146.	31.	Once-Thru	Long Is Sound
Far Rockaway 4	Long Island Lighting	NY	O-G	114.	26.	Once-Thru	Bayswater Chan
Fitzpatrick	Power Auth of NY	NY	BWR	821.	4334.	Once-Thru	Lake Ontario
Ginna	Rochester Gas-Elec	NY	PWR	470.	3094.	Once-Thru	Lake Ontario
Glenwood 4-5	Long Island Lighting	NY	O-G	228.	485.	Once-Thru	Long Is Sound

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-6 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

NPCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Goudey 5-8	NY State Elec-Gas	NY	COAL	104.	777.	Once-Thru	Susquehanna
Graham 3-5	Bangor Hydro-Elec Co	ME	OIL	58.	84.	Once-Thru	Penobscot Rvr
Greenidge 1-4	NY State Elec-Gas	NY	COAL	170.	1281.	Once-Thru	Seneca Lake
Haddam Neck	Conn Yankee Atomic	CT	PWR	600.	3563.	Once-Thru	Connecticut
Hickling 1-2	NY State Elec-Gas	NY	COAL	70.	439.	Once-Thru	Chemung Rvr
Hudson Avenue	Con Edison	NY	OIL	605.	46.	Once-Thru	East Rvr
Huntley 63-68	Niagara-Mohawk Power	NY	COAL	828.	4050.	Once-Thru	Niagara Rvr
Indian Point 1	Con Edison	NY	PWR	265.	0.	Once-Thru	Hudson Rvr
Indian Point 2	Con Edison	NY	PWR	873.	4264.	Once-Thru	Hudson Rvr
Indian Point 3	Power Auth of NY	NY	PWR	965.	3071.	Once-Thru	Hudson Rvr
Jennison 1-2	NY State Elec-Gas	NY	COAL	68.	438.	Once-Thru	Susquehanna
Kendall 1-3	Cambridge Elec-Light	MA	OIL	68.	180.	Once-Thru	Charles Rvr
L Street	Boston Edison Co	MA	OIL	30.	15.	Once-Thru	Boston Bay
Lovett 1-5	Orange-Rockland Util	NY	COG	495.	1779.	Once-Thru	Hudson Rvr
Maine Yankee	Maine Yankee Atomic	ME	PWR	825.	4404.	Once-Thru	Montsweag Bay
Manchester St	Narragansett Elec	RI	O-G	132.	480.	Once-Thru	Narragansett
Martins Crk 1-4	Penn Power-Light	PA	C-O	2014.	7405.	Once-Thru	Delaware Rvr
Mason 1-5	Cen Maine Power Co	ME	OIL	147.	149	Once-Thru	Sheepscot Bay
Merrimack 1-2	Pub Ser Co of NH	NH	C-O	459.	2734.	Combination	Merrimack Rvr
Middletown 1-4	Hartford Elec Light	CT	C-O	837.	2893.	Once-Thru	Connecticut
Milliken	NY State Elec-Gas	NY	COAL	270.	2036.	Once-Thru	Cayuga Lake
Millstone-1	Conn Light and Power	CT	BWR	660.	4404.	Once-Thru	Niantic Bay
Millstone-2	Conn Light and Power	CT	PWR	909.	4882.	Once-Thru	Niantic Bay

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-6 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

NPCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Montville	Conn Light and Power	CT	OIL	490.	1306.	Once-Thru	Thames Rvr
Moran 1-3	Burlington	VT	C-G	30.	81.	Cooling Tower	Municipal
Mt Tom	Holyoke Water Power	MA	C-O	136.	964.	Once-Thru	Connecticut
Mystic No 200	Boston Edison Co	MA	OIL	469.		Combination	Boston Bay
Mystic No 7	Boston Edison Co	MA	OIL	617.		Combination	Boston Bay
New Boston 1-2	Boston Edison Co	MA	OIL	717.	4407.	Once-Thru	Boston Bay
New Haven Har	United Illum Co	CT	OIL	465.	2037.	Once-Thru	New Haven Har
Newington	Pub Ser Co of NH	NH	OIL	414.	1739.	Once-Thru	Piscataqua Rvr
Nine Mile Pt 1	Niagara-Mohawk Power	NY	BWR	620.	4538	Once-Thru	Lake Ontario
Northport 1-4	Long Island Lighting	NY	OIL	1548.	6892.	Once-Thru	Long Is Sound
Norwalk Har 1-2	Conn Light and Power	CT	OIL	326.	1938.	Once-Thru	Long Is Sound
Oswego 1-6	Niagara-Mohawk Power	NY	OIL	2128.	3825.	Once-Thru	Lake Ontario
Pilgrim 1	Boston Edison Co	MA	PWR	655.	3045.	Once-Thru	Cape Code Bay
Port Jefferson	Long Island Lighting	NY	OIL	467.	1954.	Once-Thru	Long Is Sound
Portland 1-2	Metropolitan Edison	PA	COAL	427.	1813.	Once-Thru	Delaware Rvr
Potter Sta 2	Braintree	MA	COMB	90.	102.	Once-Thru	
Ravenswood 1-3	Con Edison	NY	COG	1827.	6133.	Once-Thru	East Rvr
Roseton 1-2	Cen Hudson Gas-Elec	NY	OIL	1242	5492.	Once-Thru	Hudson Rvr
Russell 1-4	Rochester Gas-Elec	NY	COAL	253.	1439.	Once-Thru	Lake Ontario
Salem Har 1-4	New England Power	MA	C-O	805.	3316.	Once-Thru	Atlantic Ocn
Schiller 3-6	Pub Ser Co of NH	NH	OIL	180.	601.	Once-Thru	Piscataqua Rvr
Somerset 1-6	Montaup Electric Co	MA	OIL	290.	1038.	Once-Thru	Taunton Rvr
South St 1,8,12	Narragansett Elec	RI	OIL	110.	471.	Once-Thru	Narragansett

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-6 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

NPCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Steel Pt 1-11	United Illum Co	CT	OIL	155.	15.	Once-Thru	Bridgeport Har
Ver. Yankee	Ver Yankee Nuc Corp	VT	BWR	514.	2979.	Cooling Tower	Connecticut
MW Springfield	Western Mass Elec	MA	OIL	210.	1077.	Once-Thru	Connecticut
W Water St 4-7	Taunton Mun Light	MA	OIL	42.	0.	Once-Thru	Taunton Rvr
Waterside - NY	Con Edison	NY	O-G	532.	1016.	Once-Thru	East Rvr
WF Wyman	Cen Maine Power Co	ME	OIL	846.	1786.	Once-Thru	Casco Bay
Yankee-Rowe	Yankee Atomic Elec	MA	PWR	175.	292.	Once-Thru	Deerfield Rvr
59th Street	Con Edison	NY	OIL	114.	356.	Once-Thru	Hudson Rvr
74th St 3,9-11	Con Edison	NY	OIL	209.	142.	Once-Thru	East Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-7

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SERC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Allen 1-5	Duke Power Co	NC	COAL	1155.	5604.	Once-Thru	Catawba Rvr
Anclote 1-2	Florida Power Corp	FL	OIL	1112.	5012.	Once-Thru	Gulf of Mex
Arkwright 1-4	Georgia Power Co	GA	COAL	191.	605.	Once-Thru	Ocmulgee Rvr
Asheville 1-2	Carolina Power-Light	NC	COAL	414.	2483.	Cooling Pond	Fr Broad Rvr
Atkinson 1-4	Georgia Power Co	GA	OIL	258.	122.	Once-Thru	Chattahoochee
Avon Park 2	Florida Power Corp	FL	O-G	46.	221.	Once-Thru	Lake Lotella
Barry 1-5	Alabama Power Co	AL	COAL	1771.	6780.	Once-Thru	Mobile Rvr
Bartow, P1 1-3	Florida Power Corp	FL	O-G	494.	2119.	Once-Thru	Tampa Bay
Belews Crk 1-2	Duke Power Co	NC	COAL	2160.	13128.	Cooling Pond	Belews Crk
Big Bend 1-3	Tampa Electric Co	FL	COAL	1337.	6440.	Once-Thru	Tampa Bay
Bowen 1-4	Georgia Power Co	GA	COAL	3499.	17680.	Cooling Tower	Etowah Rvr
Branch, H 1-4	Georgia Power Co	GA	COAL	1746.	5611.	Once-Thru	Lake Sinclair
Bremo Bluff 3-4	Virginia Elec-Power	VA	COAL	254.	1322.	Once-Thru	James Rvr
Browns Ferry 1	Tenn Valley Auth	AL	BWR	1065.	6062.	Combination	Tennessee Rvr
Browns Ferry 2	Tenn Valley Auth	AL	BWR	1065.	5619.	Combination	Tennessee Rvr
Browns Ferry 3	Tenn Valley Auth	AL	BWR	1065.	6937.	Combination	Tennessee Rvr
Brunswick 1	Carolina Power-Light	NC	BWR	821.	3940.	Once-Thru	Cape Fear Rvr
Brunswick 2	Carolina Power-Light	NC	BWR	821.	1865.	Once-Thru	Cape Fear Rvr
Buck C	Duke Power Co	NC	COMB	93.	21.	Once-Thru	Yadkin Rvr
Buck 3-6	Duke Power Co	NC	COAL	364.	1426.	Once-Thru	Yadkin Rvr
Bull Run 1	Tenn Valley Auth	TN	COAL	950.	5770.	Once-Thru	Clinch Rvr
Canadys 1-3	S Carolina Elec-Gas	SC	C-G	490.	2424.	Combination	Edisto Rvr
Cape Fear 3-6	Carolina Power-Light	NC	COAL	382.	1563.	Once-Thru	Cape Fear Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SERC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Cape Kennedy	Florida Power-Light	FL	O-G	804.	4581.	Once-Thru	Indian Rvr
Chesterfield	Virginia Elec-Power	VA	C-O	1486.	3191.	Once-Thru	James Rvr
Chickasaw 1-3	Alabama Power Co	AL	O-G	46.	0	Once-Thru	Mobile Rvr
Cliffside 1-5	Duke Power Co	NC	COAL	781.	4040.	Combination	Broad Rvr
Colbert 1-5	Tenn Valley Auth	AL	COAL	1420.	6613.	Once-Thru	Tennessee Rvr
Crist 1-7	Gulf Power Co	FL	COG	1229.	3762.	Combination	Escambia Rvr
Crystal Rvr 1-2	Florida Power Corp	FL	COAL	964.	4485.	Once-Thru	Gulf of Mex
Crystal Rvr 3	Florida Power Corp	FL	PWR	825.	3297.	Once-Thru	Gulf of Mex
Cumberland 1-2	Tenn Valley Auth	TN	COAL	2600.	10900.	Once-Thru	Cumberland Rvr
Dan River 1-3	Duke Power Co	NC	COAL	284.	1122.	Once-Thru	Dan Rvr
Deerhaven 1	Gainesville	FL	OIL	81.	585.	Cooling Tower	Wells
Eaton 1-3	Miss Power Co	MS	O-G	75.	1.	Once-Thru	Leaf Rvr
Farley 1	Alabama Power Co	AL	PWR	829.	4604.	Combination	Chattahoochee
Fort Meyers 1-2	Florida Power-Light	FL	OIL	558.	3272.	Once-Thru	Caloosahatchee
Gadsden 1-2	Alabama Power Co	AL	C-G	120.	751.	Once-Thru	Coosa Rvr
Gallatin 1-4	Tenn Valley Auth	TN	COAL	1255.	6425.	Once-Thru	Cumberland Rvr
Gannon, 1-6	Tampa Electric Co	FL	C-O	1270.	5156.	Once-Thru	Tampa Bay
Gaston 1-5	Alabama Power Co	AL	COAL	2013.	12053.	Once-Thru	Coosa Rvr
Gorgas 5-10	Alabama Power Co	AL	COAL	1485.	6700.	Once-Thru	Black Warrior
Grainger 1-2	S Carolina Pub Ser	SC	C-O	163.	888.	Combination	Waccamaw Rvr
Greene Co 1-2	Alabama Power Co	AL	COAL	569.	1984.	Once-Thru	Black Warrior
Hagood 1-3	S Carolina Elec-Gas	SC	O-G	98.	59.	Once-Thru	Ahsley Rvr
Hammond 1-4	Georgia Power Co	GA	COAL	954.	3350.	Once-Thru	Coosa Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SERC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Hatch 1	Georgia Power Co	GA	BWR	786.	4791.	Cooling Tower	Altamaha Rvr
Hatch 2	Georgia Power Co	GA	BWR	784.	3645.	Cooling Tower	Altamaha Rvr
Higgins 1-3	Florida Power Corp	FL	O-G	138.	537.	Once-Thru	Tampa Bay
Hookers Pt 1-5	Tampa Electric Co	FL	OIL	233.	390.	Once-Thru	Tampa Bay
Hopkins	Tallahassee	FL	O-G	313.	1226.	Cooling Tower	Wells
Indian Rvr 1-3	Orlando	FL	O-G	637.	2582.	Once-Thru	Indian Rvr
Jefferies 1-4	S Carolina Pub Ser	SC	C-O	446.	1758.	Once-Thru	Cooper Rvr
John Sevier 1-4	Tenn Valley Auth	TN	COAL	812.	5410.	Once-Thru	Holston Rvr
Johnsonville	Tenn Valley Auth	TN	COAL	1485.	6762.	Once-Thru	Tennessee Rvr
Kelly 6-8	Gainesville	FL	O-G	94.	243.	Cooling Tower	Municipal
Kennedy 8-10	Jacksonville	FL	OIL	250.	954.	Once-Thru	St Johns Rvr
Key West 1-6	Key West	FL	OIL	73.	117.	Once-Thru	Wells
Kingston 1-9	Tenn Valley Auth	TN	COAL	1700.	10538.	Once-Thru	Clinch Rvr
Larsen 4-7	Lakeland	FL	O-G	117.	552.	Once-Thru	Lake Parker
Lauderdale 4-5	Florida Power-Light	FL	O-G	313.	934.	Once-Thru	Dania Canal
Lee 1-3	Duke Power Co	SC	COAL	323.	1678.	Combination	Saluda Rvr
Lee, HF 1-3	Cardina Power-Light	NC	COAL	407.	1968.	Cooling Pond	Neuse Rvr
Lk Highland 1-3	Orlando	FL	O-G	90.	220.	Once-Thru	Springs
Manatee 1-2	Florida Power-Light	FL	OIL	1727.	5881.	Cooling Pond	
Marshall 1-4	Duke Power Co	NC	COAL	2025.	11820.	Once-Thru	Catawba Rvr
McDonough 1-2	Georgia Power Co	GA	COAL	598.	1968.	Once-Thru	Chattahoochee
McIntosh 1-2	Lakeland	FL	COG	205.	823.	Combination	Lake Parker

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SERC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
McManus 1-2	Georgia Power Co	GA	OIL	131.	29.	Once-Thru	Turtle Rvr
McMeekin 1-2	S Carolina Elec-Gas	SC	C-G	294.	1934.	Once-Thru	Lake Murry
McWilliams 1-3	Alabama Elec Coop	GA	C-G	40.	13.	Once-Thru	Conecuh Rvr
Mitchell	Georgia Power Co	GA	COAL	171.	1109.	Once-Thru	Flint Rvr
Moselle 1-3	S Miss Elec Pwr Assn	MS	O-G	177.	257.	Cooling Tower	Wells
North Anna 1	Virginia Elec-Power	VA	PWR	907.	5632.	Once-Thru	Lake Anna
Northside 1-3	Jacksonville	FL	OIL	1159.	2985.	Once-Thru	St Johns Rvr
Oconee 1	Duke Power Co	SC	PWR	887.	512.	Once-Thru	Lake Keowee
Oconee 2	Duke Power Co	SC	PWR	887.	3879.	Once-Thru	Lake Keowee
Oconee 3	Duke Power Co	SC	PWR	887.	5218.	Once-Thru	Lake Keowee
Port Wentworth	Savannah Elec-Power	GA	O-G	334.	1575.	Once-Thru	Savannah Rvr
Portsmouth 1-4	Virginia Elec-Power	VA	COG	650.	1816.	Once-Thru	Elizabeth Rvr
Possum Pt 1-5	Virginia Elec-Power	VA	C-O	1373.	3711.	Combination	Potomac Rvr
Potomac Rvr 1-5	Potomac Electric	VA	C-O	515.	2764.	Once-Thru	Potomac Rvr
Pt Everglades 1	Florida Power-Light	FL	O-G	1255.	5658.	Once-Thru	Lake Marble
Purdom 1-7	Tallahassee	FL	O-G	130.	303.	Once-Thru	St Marks Rvr
Riverbend C	Duke Power Co	NC	COMB	120.	27.	Once-Thru	Catawba Rvr
Riverbend 4-7	Duke Power Co	NC	COAL	466.	2193.	Once-Thru	Catawba Rvr
Riverside 6-8	Savannah Elec-Power	GA	O-G	80.	14.	Once-Thru	Savannah Rvr
Riviera 3-4	Florida Power-Light	FL	O-G	740.	3233.	Once-Thru	Lake Worth
Robinson, HB 1	Carolina Power-Light	SC	COAL	207.	1006.	Cooling Pond	Black Crk
Robinson, HB 2	Carolina Power-Light	SC	PWR	700.	3211.	Cooling Pond	Black Crk
Roxboro 1-3	Carolina Power-Light	NC	COAL	1813.	12080.	Cooling Pond	Hyc0 Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SERC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Sanford 3-5	Florida Power-Light	FL	O-G	1028.	3349.	Once-Thru	St Johns Rvr
Scholtz 1-2	Gulf Power Co	FL	C-G	96.	317.	Once-Thru	Apalachicola
Smith, L 1-2	Gulf Power Co	FL	COAL	345.	2065.	Once-Thru	North Bay
Smith, T	Lake Worth	FL	O-G	74.	116.	Cooling Tower	Municipal
Southside 1-5	Jacksonville	FL	OIL	357.	1326.	Once-Thru	St Johns Rvr
St. Lucie 1	Florida Power-Light	FL	PWR	777.	5200.	Once-Thru	Atlantic Ocn
Surry 1	Virginia Elec-Power	VA	PWR	822.	2473.	Once-Thru	James Rvr
Surry 2	Virginia Elec-Power	VA	PWR	822.	2242.	Once-Thru	James Rvr
Sutton, LV 1-3	Carolina Power-Light	NC	C-O	672.	2619.	Cooling Pond	Cape Fear Rvr
Suwannee 1-3	Florida Power Corp	FL	O-G	147.	741.	Once-Thru	Suwannee Rvr
Sweatt 1-2	Miss Power Co	MS	O-G	93.	85.	Cooling Tower	Wells
T H Allen 1-3	Tenn Valley Auth	TN	C-G	990.	4251.	Once-Thru	Mississippi
Tombigbee 1-2	Alabama Elec Coop	AL	COAL	545.	1196.	Once-Thru	Tombigbee Rvr
Turkey Pt 1-2	Florida Power-Light	FL	O-G	804.	3711.	Cooling Pond	Biscayne Bay
Turkey Pt 3	Florida Power-Light	FL	PWR	666.	4387.	Cooling Pond	Biscayne Bay
Turkey Pt 4	Florida Power-Light	FL	PWR	666.	3854.	Cooling Pond	Biscayne Bay
Turner, GE 3-4	Florida Power Corp	FL	O-G	160.	593.	Once-Thru	Lake Monroe
Urquhart 1-3	S Carolina Elec-Gas	SC	C-G	250.	1617.	Once-Thru	Savannah Rvr
Vero Beach 1-4	Vero Beach Mun Util	FL	O-G	117.	390.	Once-Thru	Indian Rvr
VJ Daniel 1	Miss Power Co	MS	C-O	548.	2116.	Cooling Pond	Pascagoula Rvr
Wansley 1-2	Georgia Power Co	GA	COAL	1904.	11730.	Cooling Tower	Chattahooche
Wateree 1-2	S Carolina Elec-Gas	SC	C-O	772.	4016.	Combination	Wateree Rvr
Watson 1-5	Miss Power Co	MS	COG	1174.	3493.	Once-Thru	Biloxi Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SERC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Watts Bar A-D	Tenn Valley Auth	TN	COAL	240.	797.	Once-Thru	Tennessee Rvr
Weatherspoon	Carolina Power-Light	NC	C-G	166.	577.	Cooling Pond	Lumber Rvr
Widows Crk 1-8	Tenn Valley Auth	AL	COAL	1978.	7395.	Once-Thru	Tennessee Rvr
Williams 1	S Carolina Elec-Gas	SC	OIL	632.	1252.	Cooling Tower	Back Rvr
Winyah 1-2	S Carolina Pub Ser	SC	COAL	630.	4484.	Cooling Pond	Santee River
Yates 1-7	Georgia Power Co	GA	COAL	1488.	6396.	Once-Thru	Chattahooche
Yorktown 1-3	Virginia Elec Power	VA	C-O	1257.	3144.	Once-Thru	York Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-8
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SWPP

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Abilene 1,2	Kansas Power-Light	KS	O-G	41.	25.	Once-Thru	Smoky Hill R
Algodones 1-3	Plains Elec-Tran	NM	O-G	51.	54.	Cooling Tower	Wells
Anadarko 1-3	West Farmers Elec Cp	OK	O-G	85.	95.	Cooling Tower	Washita Rvr
Anadarko 4-6	West Farmers Elec Cp	OK	COMB	254.	1881.	Cooling Tower	Ft Cobb Res
Andrus 1	Miss Power-Light	MS	OIL	782.	2969.	Once-Thru	Mississippi
Arbuckle	Oklahoma Gas-Elec	OK	O-G	74.	276.	Cooling Tower	Wells
Arkansas 1	Arkansas Power-Light	AR	PWR	850.	3782.	Once-Thru	Dardanelle R
Arkansas 2	Arkansas Power-Light	AR	PWR	912.	3647.	Cooling Tower	Dardanelle R
Arsenal Hill	SW Electric Power Co	LA	GAS	125.	178.	Cooling Pond	Municipal
Asbury 1	Empire Dist Elec	MO	COAL	213.	1352.	Cooling Tower	Wells
Bailey 1	Ark Elec Coop	AR	O-G	122.	292.	Once-Thru	White Rvr
Belle Isle 1-2	Oklahoma Gas-Elec	OK	GAS	47.	0.	Cooling Pond	Wells
Big Cajun 1	Cajun Elec Pow Coop	LA	OIL	230.	1312.	Cooling Tower	Wells
Blue Valley 1-3	Independence	MO	COG	115.	480.	Cooling Tower	Wells
Bonin 1-3	Lafayette	LA	O-G	330.	1377.	Cooling Tower	Wells
Bryan 1-7	Bryan	TX	O-G	125.	110.	Cooling Tower	Wells
Carlsbad 2-4	SW Public Ser Co	NM	O-G	44.	143.	Combination	Pecos Rvr
Cimarron Rvr	Cen Tele-Util	KS	GAS	50.	400.	Cooling Tower	Wells
Coffeyville 1-7	Coffeyville	KS	O-G	75.	113.	Cooling Tower	Municipal
Comanche	Pub Ser Co of Okla	OK	COMB	290.	1549.	Cooling Tower	Sewage Effln
Couch, H 1-2	Arkansas Power-Light	AR	O-G	188.	603.	Cooling Tower	Wells
Coughlin 1-7	Cen Louisiana Elec	LA	O-G	483.	1555.	Combination	Bayou Cocodrie
Cunningham 1-2	SW Public Ser Co	NM	GAS	265.	1601.	Cooling Tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-8 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SWPP

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Delta 1-2	Miss Power-Light	MS	O-G	221.	487.	Combination	Pond
Denver City 2-4	SW Public Ser Co	TX	O-G	80.	293.	Cooling Tower	Wells
East 3-5	SW Public Ser Co	TX	O-G	61.	0.	Cooling Tower	Wells
Edmond St 4,5,7	St Joseph Light-Pow	MO	O-G	43.	3.	Once-Thru	Missouri Rvr
Evans 1-2	Kansas Gas-Elec	KS	O-G	539.	2645	Cooling Tower	Wells
Fitzhugh	Ark Elec Coop	AR	O-G	60.	110.	Once-Thru	Arkansas Rvr
Gill 1-4	Kansas Gas-Elec	KS	O-G	348.	1148.	Cooling Tower	Wells
Grand Ave	Kan City Pow-Light	MO	COG	127.	46.	Once-Thru	Missouri Rvr
Green, R 1-2	Missouri Pub Ser Co	MO	C-G	50.	73.	Cooling Tower	Artificial Lk
Harrington 1-2	SW Public Ser Co	TX	C-G	1081.	5097.	Cooling Tower	
Hawthorn 1-5	Kan City Pow-Light	MO	C-G	908.	2186.	Once-Thru	Missouri Rvr
Hill, J	Ark-Missouri Power	MO	O-G	33.	44.	Cooling Tower	Wells
Holly Ave 1-2	Lubbock	TX	O-G	108.	463.	Cooling Tower	Municipal
Horseshoe Lk	Oklahoma Gas-Elec	OK	O-G	697.	2890.	Combination	N Canadian R
Horseshoe Lk 7	Oklahoma Gas-Elec	OK	COMB	245.	1565.	Combination	N Canadian R
Hunter - 3rd St	Alexandria	LA	O-G	179.	480.	Cooling Tower	Wells
Hutchinson 1-4	Kansas Power-Light	KS	O-G	257.	1017.	Cooling Tower	Wells
James Rvr 1-5	Springfield	MO	C-G	253.	613.	Combination	Lk Springfield
Jeffrey	Kansas Power-Light	KS	C-O	1141.	5964.	Cooling Tower	
Jones Sta 1-2	SW Public Ser Co	TX	O-G	574.	1806.	Cooling Tower	Sewage Effln
Judson Large	Cen Tele-Util	KS	O-G	180.	260.	Combination	Wells
Kaw Station 1-3	Kansas City	KS	C-G	161.	645.	Once-Thru	Kansas Rvr
Knox Lee 1-5	SW Elec Power Co	TX	O-G	537.	2777.	Cooling Pond	Lk Cherokee

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-8 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SWPP

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
La Cygne 1-2	Kansas Gas-Elec	KS	COAL	1558.	5563.	Once-Thru	N Sugar Crk
Lake Road 1-4	St Joseph Light-Pow	MO	COG	126.	363.	Combination	Missouri Rvr
Lake Road 5	St Joseph Light-Pow	MO	COMB	85.	25.	Once-Thru	Missouri Rvr
Lawrence 1-5	Kansas Power-Light	KS	COG	613.	2060.	Cooling Tower	Kansas Rvr
Lewis Crk 1-2	Gulf States Util Co	TX	O-G	543.	3124.	Cooling Pond	San Jacinto
Lieberman 1-4	SW Elec Power Co	LA	O-G	276.	870.	Cooling Pond	Caddo Lk
Little Gypsy	Louisiana Pow-Light	LA	GAS	1251.	4471.	Once-Thru	Mississippi
Lk Catherine	Arkansas Power-Light	AR	O-G	757.	2163.	Once-Thru	Lk Catherine
Lone Star 1	SW Electric Power Co	TX	O-G	50.	0.	Cooling Pond	Ellison Cr R
Lordsburg 2-4	Community Pub Ser	NM	O-G	42.	92.	Cooling Tower	Wells
Louisiana 1	Gulf States Util Co	LA	O-G	253.	942.	Cooling Tower	Mississippi
Louisiana 2	Gulf States Util Co	LA	O-G	175.	1147.	Cooling Tower	Wells
Lynch 1-3	Arkansas Power-Light	AR	O-G	259.	309.	Cooling Tower	Wells
Maddox 1	New Mexico Elec Ser	NM	GAS	100.	726.	Cooling Tower	Wells
Market St 11-13	New Orleans Pub Ser	LA	O-G	96.	135.	Once-Thru	Mississippi
Marshall 1-5	Marshall	MO	COG	31.	92.	Cooling Tower	Municipal
Martin Lake	Texas Power-Light	TX	C-O	2380.	13369.	Cooling Pond	Martin Lake
McClellan 1	Ark Elec Coop	AR	O-G	136.	356.	Once-Thru	Quachita Rvr
McPherson	McPherson	KS	O-G	54.	15.	Cooling Tower	Wells
Michoud 1-3	New Orleans Pub Ser	LA	O-G	959.	3354.	Once-Thru	Mississippi
Minden 1-2	Minden	LA	O-G	25.	38.	Cooling Tower	Wells
Monroe	Monroe	LA	O-G	166.	257.	Once-Thru	Quachita Rvr
Monticello 1-3	Texas Power-Light	TX	C-O	1980.	11055.	Once-Thru	Reservoir

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-8 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SWPP

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Montrose 1-3	Kan City Pow-Light	MO	COAL	563.	2513.	Cooling Pond	Deepwater Crk
Moore County	SW Public Ser Co	TX	GAS	68.	383.	Cooling Tower	Wells
Mooreland 1-3	West Farmers Elec Cp	OK	O-G	335.	1023.	Cooling Tower	Wells
Morgan City 1-3	Morgan City	LA	O-G	71	113.	Once-Thru	Municipal
Moses, H 1-2	Arkansas Power-Light	AR	OIL	144.	227.	Cooling Tower	Languille Rvr
Mullergren 1-3	Cen Tele-Util	KS	O-G	119.	358.	Cooling Tower	Wells
Muskogee 1-5	Oklahoma Gas-Elec	OK	COG	1318.	5027.	Combination	Arkansas Rvr
Mustang 1-4	Oklahoma GAS-Elec	OK	COG	509.	2634.	Cooling Tower	Municipal
N Lovington 1-2	Lea Co Elec Coop	NM	O-G	50.	211.	Cooling Tower	Wells
Nachez	Miss Power-Light	MS	O-G	66.	159.	Cooling Tower	Wells
Natchitoches	Natchitoches	LA	O-G	46.	71.	Cooling Tower	Lake
Nelson 1-4	Gulf States Util Co	LA	O-G	982.	4149.	Cooling Tower	Wells
Neosho 1-3	Kansas Gas-Elec	KS	COG	74.	182.	Combination	Neosho Rvr
New Madrid 1-2	Assoc Elec	MO	COAL	1200.	7021.	Once-Thru	Mississippi
Nichols 1-3	SW Public Ser Co	TX	GAS	475.	2046.	Cooling Tower	Sewage Effln
Nine Mile Pt	Louisiana Pow-Light	LA	GAS	1917.	6372.	Once-Thru	Mississippi
Northeast	Kan City Pow-Light	MO	O-G	133.	0.	Once-Thru	Missouri Rvr
Northeastern	Pub Ser Co of Okla	OK	COG	1115.	6919.	Cooling Tower	Lk Oologah
Osage 1-2	Oklahoma Gas-Elec	OK	C-G	25.	2.	Once-Thru	Arkansas Rvr
Paterson 1-4	New Orleans Pub Ser	LA	O-G	224.	696.	Once-Thru	In Hrbr Canal
Plant X, 2-4	SW Public Ser Co	TX	O-G	434.	1413.	Cooling Tower	Wells
Plant 2	Lubbock	TX	O-G	80.	168.	Cooling Tower	Wells
Powerhouse 2	New Orleans Sew-Wat	LA	O-G	41.	70.	Once-Thru	Municipal

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-8 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SWPP

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Quindaro 2-3	Kansas City	KS	C-G	333.	1294.	Once-Thru	Missouri Rvr
Rex Brown 1-4	Miss Power-Light	MS	O-G	383.	2234.	Combination	Pearl Rvr
Ripley 1-3	Kansas Gas-Elec	KS	O-G	87.	50.	Cooling Tower	Arkansas Rvr
Ritchie 1-2	Arkansas Power-Light	AR	O-G	900.	3087.	Once-Thru	Mississippi
Riverside 1-2	Pub Ser Co of Okla	OK	O-G	945.	5370.	Cooling Tower	Arkansas Rvr
Riverton	Empire Dist Elec	KS	COG	145.	458.	Once-Thru	Spring Rvr
Riverview 5	SW Public Ser Co	TX	GAS	35.	57.	Cooling Tower	Municipal
Rodemacher 1	Cen Louisiana Elec	LA	O-G	450.	2658.	Cooling Pond	Lake
Rodemacher 1-4	Lafayette	LA	O-G	50.	58.	Cooling Tower	Wells
Ross Beach 1-2	Cen Kansas Power Co	KS	O-G	36.	72.	Cooling Tower	Wells
Ruston	Ruston	LA	O-G	81.	233.	Cooling Tower	Municipal
Sabine 1-5	Gulf States Util Co	TX	O-G	2051.	8818.	Once-Thru	Sabine Lk
Seminole	Oklahoma Gas-Elec	OK	O-G	1701.	8023.	Cooling Pond	Canadian Rvr
Sibley 1-3	Missouri Pub Ser Co	MO	COAL	523.	1328.	Once-Thru	Missouri Rvr
Southwestern	Pub Ser Co of Okla	OK	O-G	483.	1798.	Cooling Tower	Ft Cobb Res
Sterlington	Louisiana Pow-Light	LA	GAS	593.	2842.	Once-Thru	Ouachita Rvr
Teche 1-3	Cen Louisiana Elec	LA	O-G	431.	2254.	Once-Thru	Charnton Canal
Tecumseh 3-8	Kansas Power-Light	KS	COG	346.	836.	Combination	Kansas Rvr
Tulsa 1-4	Pub Ser co of Okla	OK	GAS	435.	1738.	Cooling Tower	Arkansas Rvr
Waterford 1-2	Louisiana Pow-Light	LA	O-G	892.	2669.	Once-Thru	Mississippi
Weleetka 1-3	Pub Ser Co of Okla	OK	GAS	83.	0.	Cooling Tower	N Canadian R
Wellington 1-4	Wellington	KS	O-G	34.	50.	Cooling Tower	Municipal
Welsh 1	SW Elec Power Co	TX	COAL	528.	4614.	Cooling Pond	

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-8 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

SWPP

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Wilkes 1-3	SW Elec Power Co	TX	O-G	879.	4276.	Combination	Johnson Cr R
Willow Glen 1-5	Gulf States Util Co	LA	O-G	2178.	7023.	Once-Thru	Mississippi
Wilson 1-2	Miss Power-Light	MS	O-G	1328.	4461.	Once-Thru	Mississippi
Winfield 1-4	Winfield	KS	O-G	45.	76.	Combination	Walnut Rvr

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE A-9

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

WSCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Agua Fria 1-3	Salt Rvr Proj Power	AZ	O-G	391.	1265.	Cooling Tower	Irrig Canal
Alamitos 1-6	So Cal Edison	CA	O-G	1982.	8359.	Once-Thru	Pacific Ocn
Animas 1-4	Farmington	NM	GAS	32.	99.	Combination	Animas Rvr
Apache 1,4	Ariz Elec Power Coop	AZ	COG	389.	1893.	Cooling Tower	Wells
Arapahoe 1-4	Pub Ser Co of Colo	CO	C-G	251.	1522.	Cooling Tower	Wells
Avon	Pacific Gas-elec	CA	O-G	46.	275.	Cooling Tower	Suisun Bay
Birdsall 1-3	Colorado Springs	CO	O-G	61.	20.	Cooling Tower	Municipal
Bird, F	Montana Power Co	MT	OIL	75.	297.	Once-Thru	Yellowstone
Broadway 1-3	Pasadena Wtr-Pwr	CA	O-G	189.	20.	Cooling Tower	Municipal
Cameo 1-2	Pub Ser Co of Colo	CO	C-G	66.	363.	Cooling Tower	Colorado Rvr
Carbon 1-2	Utah Power-Light	UT	COAL	801.	440.	Cooling Tower	Price Rvr
Centralia 1-2	Pacific Power-Light	WA	COAL	377.	686.	Cooling Tower	Skookumchuck
Cherokee 1-4	Pub Ser Co of Colo	CO	C-G	710.	7141.	Cooling Tower	S Platte Rvr
Cholla 1-2	Arizona Public Ser	AZ	COAL	979.	3832.	Cooling Pond	Artificial Lk
Clark 1-3	Nevada Power	NV	O-G	190.	892.	Cooling Tower	Wells
Comanche 1-2	Pub Ser Co of Colo	CO	COAL	700.	4316.	Cooling Tower	Arkansas Rvr
Contra Costa	Pacific Gas-Elec	CA	O-G	1260.	4650.	Once-Thru	San Joaquin
Coolwater 1-2	So Cal Edison	CA	O-G	146.	382.	Cooling Tower	Wells
Corette 1	Montana Power Co	MT	COAL	173.	991.	Once-Thru	Yellowstone
Crosscut	Salt Rvr Proj Power	AZ	O-G	30.	0.	Cooling Tower	Canal
Demoss-Petrie	Tucson Gas-Elec	AZ	O-G	105.	82.	Cooling Tower	Wells
Drake 1-7	Colorado Springs	CO	COG	277.	1567.	Combination	Municipal

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-9 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

WSCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
El Centro 1-4	Imperial Irrigation	CA	O-G	189.	349.	Cooling Tower	Storage Basin
El Segundo 1-4	So Cal Edison	CA	O-G	997.	4199.	Once-Thru	Pacific Ocn
Emery	Utah Power-Light	UT	COAL	446.	4113.	Cooling Tower	
Encina 1-5	San Diego Gas-Elec	CA	O-G	925.	5519.	Once-Thru	Pacific Ocn
Etiwanda 1-4	So Cal Edison	CA	O-G	904.	4333.	Cooling Tower	California Aqdt
Four Corner 1-5	Arizona Public Ser	NM	C-G	2270.	13314.	Cooling Pond	San Juan Rvr
Ft Churchill	Sierra Pacific Pow	NV	O-G	210.	1235.	Cooling Pond	Wells
Ft St Vrain	Pub Ser Co of Colo	CO	HTGR	330.	676.	Cooling Tower	S Platte Rvr
Gadsby 1-3	Utah Power-Light	UT	COG	252.	1079.	Cooling Tower	Jordan Rvr
Gardner 1-3	Nevada Power	NV	C-O	340.	2044.	Cooling Tower	Wells
Geysers 1-12	Pacific Gas-Elec	CA	GEOT	1005.	5073.	Cooling Tower	Wells
Glenarm 8-9	Pasadena Wtr-Pwr	CA	O-G	65.	2.	Cooling Tower	Municipal
Grayson 1-5	Glendale Pub Service	CA	O-G	163.	216.	Cooling Tower	Wells
Hale 1-2	Utah Power-Light	UT	C-G	59.	182.	Once-Thru	Provo Rvr
Hanford Generat	Wash Pub Pow Sup Sys	WA	PWR	860.	2042.	Once-Thru	Columbia Rvr
Harbor 1-5	Los Angeles Wtr-Pwr	CA	O-G	388.	279.	Once-Thru	Pacific Ocn
Hayden 1-2	Colorado Ute Elec	CO	COAL	465.	2910.	Cooling Tower	Yampa Rvr
Haynes 1-6	Los Angeles Wtr-Pwr	CA	O-G	1606.	5891.	Once-Thru	Pacific Ocn
Highgrove 1-4	So Cal Edison	CA	O-G	169.	34.	Cooling Tower	Wells
Humboldt 1-2	Pacific Gas-Elec	CA	O-G	105.	384.	Once-Thru	Pacific Ocn
Hunters Pt 2-4	Pacific Gas-Elec	CA	O-G	356.	1775.	Once-Thru	San Fran. Bay
Huntington Beach	So Cal Edison	CA	O-G	870.	3474.	Once-Thru	Pacific Ocn
Huntington 1-2	Utah Power-Light	UT	C-O	893.	5153.	Cooling Tower	Huntington Crk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-9 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

WSCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Irvington 1-4	Tucson Gas-Elec	AZ	O-G	505.	1588.	Cooling Tower	Wells
Jim Bridger 1-4	Pacific Power-Light	WY	COAL	2034.	9365.	Cooling Tower	Green Rvr
Johnston 1-4	Pacific Power-Light	WY	COAL	750.	4903.	Once-Thru	N Platte Rvr
Jordan	Utah Power-Light	UT	OIL	25.	0.	Once-Thru	Jordan Rvr
Kern 1-2	Pacific Gas-Elec	CA	O-G	180.	531.	Cooling Tower	Deep Wells
Kyrene 1-2	Salt Rvr Proj Power	AZ	O-G	108.	80.	Combination	Canal
Lake Union	Seattle Depart Light	WA	OIL	40.	0.	Once-Thru	Lake Union
Lamar 1-4	Lamar	CO	O-G	36.	75.	Once-Thru	Wells
A-38 Long Bch 1-9	So Cal Edison	CA	COMB	587.	641.	Once-Thru	Pacific Ocn
Long Bch 10-11	So Cal Edison	CA	O-G	180.	15.	Once-Thru	Pacific Ocn
Magnolia 1-5	Burbank	CA	O-G	78.	92.	Cooling Tower	Wells
Mandalay 1-2	So Cal Edison	CA	O-G	430.	2358.	Once-Thru	Pacific Ocn
Martinez	Pacific Gas-Elec	CA	O-G	46.	299.	Cooling Tower	Canal
Mohave 1-2	So Cal Edison	NV	C-G	1636.	5987.	Cooling Tower	Colorado Rvr
Morro Bay 1-4	Pacific Gas-Elec	CA	O-G	1056.	4692.	Once-Thru	Pacific Ocn
Moss Ldg 1-7	Pacific Gas-Elec	CA	O-G	2152.	8402.	Once-Thru	Pacific Ocn
Naughton 1-3	Utah Power-Light	WY	COAL	707.	4143.	Cooling Tower	Hams Fork
Navajo 1-3	Salt Rvr Proj Power	AZ	COAL	2410.	14293.	Cooling Tower	Lake Powell
Newman 1-3	El Paso Elec Serv Co	TX	O-G	285.	1168.	Cooling Tower	Rio Grande R
Newman 4	El Paso Elec Serv Co	TX	COMB	290.	967.	Cooling Tower	Wells
Nucla 1-3	Colorado Ute Elec	CO	COAL	35.	141.	Cooling Tower	San Miguel R
Ocotillo 1-2	Arizona Public Ser	AZ	O-G	227.	559.	Cooling Tower	Wells
Oleum 1-2	Pacific Gas-Elec	CA	O-G	80.	220.	Once-Thru	San Pablo Bay

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-9 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

WSCC

	PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
							TYPE	SOURCE
A-39	Olive 1-2	Burbank Pub Service	CA	O-G	109.	417.	Cooling Tower	Wells
	Ormond Bch 1-2	So Cal Edison	CA	O-G	1613.	6091.	Once-Thru	Pacific Ocn
	Person 1-4	Pub Ser Co of N Mex	NM	O-G	114.	262.	Cooling Tower	Wells
	Pittsburg 1-7	Pacific Gas-Elec	CA	O-G	2029.	6820.	Once-Thru	Suisun Bay
	Potrero 1-3	Pacific Gas-Elec	CA	O-G	318.	983.	Once-Thru	San Fran. Bay
	Pueblo 1-3	Cen Tele-Util	CO	O-G	30.	89.	Combination	Arkansas Rvr
	Rancho Seco	Sacramento Municipal	CA	PWR	918.	4415.	Cooling Tower	Folsom S. Canal
	Redondo Bch 1-8	So Cal Edison	CA	O-G	1579.	5942.	Once-Thru	Pacific Ocn
	Reeves 1-3	Pub Ser Co of N Mex	NM	O-G	175.	572.	Cooling Tower	Wells
	Rio Grande 1-8	El Paso Elec Serv Co	NM	O-G	402.	1139.	Cooling Tower	Wells
	Saguaro 1-2	Arizona Public Ser	AZ	O-G	250.	352.	Cooling Tower	Wells
	San Bernardino	So Cal Edison	CA	O-G	126.	649.	Cooling Tower	Wells
	San Juan 1-2	Pub Ser Co of N Mex	NM	C-O	652.	6143.	Cooling Tower	Artificial Lk
	San Onofre 1	So Cal Edison	CA	PWR	432.	817.	Once-Thru	Pacific Ocn
	Santan 1-4	Salt Rvr Proj Power	AZ	COMB	414.	9.	Cooling Tower	Wells
	Scattergood 1-3	Los Angeles Wtr-Pwr	CA	O-G	823.	2994.	Once-Thru	Pacific Ocn
	Shuffleton 1-2	Puget Sound P-L	WA	OIL	88.	84.	Once-Thru	Lake Washington
	Silver Gate 1-4	San Diego Gas-Elec	CA	O-G	247.	302.	Once-Thru	San Diego Bay
	South Bay 1-4	San Diego Gas-Elec	CA	O-G	714.	3157.	Once-Thru	San Diego Bay
	Station B	San Diego Gas-Elec	CA	O-G	93.	25.	Once-Thru	San Diego Bay
	Sunrise 1	Nevada Power	NV	O-G	82.	562.	Cooling Tower	County Sewer
	Tracy 1-3	Sierra Pacific Pow	NV	O-G	243.	714.	Combination	Truckee Rvr
	Trojan	Portland Gen Electr	ORE	PWR	1130.	5395.	Cooling Tower	Columbia Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE A-9 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY NERC AREAS

WSCC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Valley 1-4	Los Angeles Wtr-Pwr	CA	O-G	546.	1024.	Cooling Tower	Municipal
Valmont 1-5	Pub Ser Co of Colo	CO	C-G	282.	838.	Cooling Pond	Valmont Lk
W Phoenix CC1-3	Arizona Public Ser	AZ	COMB	396.	67.	Cooling Tower	Wells
W Phoenix 4-6	Arizona Public Ser	AZ	OIL	116.	47.	Cooling Tower	Wells
Weyco	Eugene Wtr-Elec	ORE	O-G	51.	160.	Once-Thru	
Yuma Axis	Arizona Public Ser	AZ	OIL	87.	244.	Cooling Tower	Wells
Zuni 1-2	Pub Ser Co of Colo	CO	O-G	115.	505.	Combination	S Platte Rvr
Wyodak 1	Black Hills P-L	WY	Coal	330.	2463.	Dry Cooling	

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

APPENDIX B

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

TABLE B-1
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 1

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Albright 1-3	Potomac Edison Co	WV	COAL	278.	1601.	Once-Thru	Cheat Rvr
Armstrong 1-2	West Penn Power Co	PA	COAL	326.	2186.	Once-Thru	Allegheny Rvr
Beaver Valley 1	Duquesne Light Co	PA	PWR	852.	301.	Cooling Tower	Ohio Rvr
Cheswick 1	Duquesne Light Co	PA	COAL	510.	3260.	Once-Thru	Allegheny Rvr
Conemaugh 1-2	Penn Electric Co	PA	COAL	1872.	10538.	Cooling Tower	Conemaugh Rvr
Elrama 1-4	Duquesne Light Co	PA	COAL	510.	2858.	Once-Thru	Monongahela
Ft Martin 1-2	Monongahela Power Co	WV	COAL	1152.	6394.	Cooling Tower	Monongahela
Harrison 1-3	Monongahela Power Co	WV	COAL	2052.	10968.	Cooling Tower	West Fork Rvr
Hatfields FY	West Penn Power Co	PA	COAL	1728.	8271.	Once-Thru	Monongahela
Kammer 1-3	Ohio Power Co	WV	COAL	713.	4359.	Once-Thru	Ohio Rvr
Mansfield 1-3	Penn Power Co	PA	COAL	2471.	8756.	Cooling Tower	Ohio Rvr
Milesburg 1-2	West Penn Power Co	PA	OIL	46.	1.	Once-Thru	Spring Crk
Mitchell 1-2	Ohio Power Co	WV	C-O	1633.	8440.	Cooling Tower	Ohio Rvr
Mitchell 1-3	West Penn Power Co	PA	C-O	218.	1988.	Once-Thru	Monongahela
Mt Storm 1-3	Virginia Elec-Power	WV	COAL	1663.	5656.	Combination	Stony Rvr
Muskingum 1-5	Ohio Power Co	OH	COAL	1530.	6366.	Once-Thru	Muskingum Rvr
Phillips 1-4	Duquesne Light Co	PA	COAL	411.	1928.	Once-Thru	Ohio Rvr
Riverton 1	Potomac Edison Co	VA	OIL	35.	1.	Once-Thru	Shenandoah Rvr
Rivesville 5-6	Monongahela Power Co	WV	COAL	110.	556.	Once-Thru	Monongahela
Seward 2-5	Penn Electric Co	PA	COAL	280.	1176.	Once-Thru	Conemaugh Rvr
Shippingport	Duquesne Light Co	PA	LWB	100.	323.	Once-Thru	Ohio Rvr
Springdale 7-8	West Penn Power Co	PA	OIL	215.	28.	Once-Thru	Allegheny Rvr
Willow Is 1-2	Monongahela Power Co	WV	COAL	215.	724.	Once-Thru	Ohio Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-2

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 2

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Amos 1-3	Appalachian Power Co	WV	COAL	2933.	17994.	Combination	Kanawha Rvr
Bailly 7-8	No Ind Pub Ser Co	IN	C-G	616.	1518.	Combination	Lake Michigan
Big Sandy 1-2	Kentucky Power Co	KY	COAL	1097.	6154.	Cooling Tower	Big Sandy Rvr
Burger 1-5	Ohio Edison Co	OH	COAL	544.	2476.	Once-Thru	Ohio Rvr
Cabin Creek 8-9	Appalachian Power Co	WV	COAL	170.	0.	Once-Thru	Kanawha Rvr
Cardinal 1-3	Ohio Power Co	OH	C-O	1881.	8379.	Once-Thru	Ohio Rvr
Clinch Rvr 1-3	Appalachian Power Co	VA	COAL	714.	4141.	Once-Thru	Clinch Rvr
Glen Lyn 5-6	Appalachian Power Co	VA	COAL	337.	1577.	Once-Thru	New Rvr
Kanawha Rvr 1-2	Appalachian Power Co	WV	COAL	426.	2855.	Once-Thru	Kanawha Rvr
Michigan City	No Ind Pub Ser Co	IN	C-G	661.	3043.	Once-Thru	Lake Michigan
Mitchell 4-6,11	No Ind Pub Ser Co	IN	C-G	529.	2019.	Once-Thru	Lake Michigan
New Castle 1-5	Penn Power Co	PA	COAL	506.	1926.	Once-Thru	Beaver Rvr
Piqua	Piqua	OH	COAL	39.	130.	Once-Thru	Gr Miami Rvr
Schahfer 14	No Ind Pub Ser Co	IN	COAL	1032.	3314.	Cooling Tower	Kankakee Rvr
Sporn 1-5	Appalachian Power Co	WV	COAL	1106.	5012.	Once-Thru	Ohio Rvr
Twin Branch 4-5	Indiana-Mich Elec	IN	C-O	238.	0.	Once-Thru	St Joseph Rvr
Whitewater Val	Richmond	IN	C-O	93.	447.	Cooling Tower	Whitewater Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-3

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 3

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Brayton Pt 1-4	New England Power	MA	C-O	1600.	8375.	Once-Thru	Taunton Rvr
Canal 1-2	Canal Electric Co	MA	OIL	1073.	6477.	Once-Thru	Cape Cod Bay
Cannon St 1-2	New Bedford Gas	MA	O-G	63.	106.	Once-Thru	Acushnet Rvr
Cleary 8	Taunton Mun Light	MA	OIL	28.	61.	Once-Thru	Taunton Rvr
Cleary 9	Taunton Mun Light	MA	OIL	110.	253.	Cooling Tower	Municipal
Dickerson 1-3	Potomac Electric	MD	COAL	587.	2915.	Once-Thru	Potomac Rvr
Graham 3-5	Bangor Hydro-Elec Co	ME	OIL	58.	84.	Once-Thru	Penobscot Rvr
Kendall 1-3	Cambridge Elec-Light	MA	O-G	68.	180.	Once-Thru	Charles Rvr
L Street	Boston Edison Co	MA	OIL	30.	15.	Once-Thru	Boston Bay
Maine Yankee	Maine Yankee Atomic	ME	PWR	825.	4404.	Once-Thru	Montsweag Bay
Mason 1-5	Cen Maine Power Co	ME	OIL	147.	149.	Once-Thru	Sheepscot Bay
Merrimack 1-2	Pub Ser Co of NH	NH	C-O	459.	2734.	Combination	Merrimack Rvr
Moran 1-3	Burlington	VT	C-G	30.	81.	Cooling Tower	Municipal
Mt Tom	Holyoke Water Power	MA	C-O	136.	964.	Once-Thru	Connecticut
Mystic No 200	Boston Edison Co	MA	OIL	469.		Combination	Boston Bay
Mystic No 7	Boston Edison Co	MA	OIL	617.		Combination	Boston Bay
New Boston 1-2	Boston Edison Co	MA	OIL	717.	4407.	Once-Thru	Boston Bay
Newington	Pub Ser Co of NH	NH	OIL	414.	1739.	Once-Thru	Piscataqua Rvr
Pilgrim 1	Boston Edison Co	MA	PWR	655.	3045.	Once-Thru	Cape Cod Bay
Potter Sta 2	Braintree	MA	COMB	90.	102.	Once-Thru	
Salem Har 1-4	New England Power	MA	C-O	805.	3316.	Once-Thru	Atlantic Ocn
Schiller 3-6	Pub Ser Co of NH	NH	OIL	180.	601.	Once-Thru	Piscataqua Rvr
Somerset 1-6	Montaup Electric Co	MA	OIL	290.	1038.	Once-Thru	Taunton Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-3 (Cont'd)
 STEAM-ELECTRIC POWER PLANTS
 BY ELECTRIC REGIONS

REGION 3

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Ver. Yankee	Ver Yankee Nuc Corp	VT	BWR	514.	2979.	Cooling Tower	Connecticut
W Springfield	Western Mass Elec	MA	O-G	210.	1077.	Once-Thru	Connecticut
W Water St 4-7	Taunton Mun Light	MA	OIL	42.	0.	Once-Thru	Taunton Rvr
WF Wyman	Cen Maine Power Co	ME	OIL	846.	1786.	Once-Thru	Casco Bay
Yankee-Rowe	Yankee Atomic Elec	MA	PWR	175.	292.	Once-Thru	Deerfield Rvr

B-4

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE B-4

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 4

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Albany 1-4	Niagara-Mohawk Power	NY	OIL	400.	2130.	Once-Thru	Hudson Rvr
Arthur Kill 2-3	Con Edison	NY	OIL	912.	2258.	Once-Thru	Arthur Kill
Astoria 1-5	Con Edison	NY	O-G	1551.	3845.	Once-Thru	East Rvr
Barrett 1-2	Long Island Lighting	NY	O-G	380.	1806.	Once-Thru	Hog Is Channel
Beebee	Rochester Gas-Elec	NY	C-O	205.	617.	Once-Thru	Genesee Rvr
Bowline Pt 1-2	Orange-Rockland Util	NY	O-G	1242.	3756.	Once-Thru	Hudson Rvr
Bridgeport Har	United Illum Co	CT	C-O	661.	2869.	Once-Thru	Bridgeport Har
Carlson 2-6	Jamestown	NY	COAL	74.	291.	Once-Thru	Chadokoin Rvr
Danskammer 1-4	Cen Hudson Gas-Elec	NY	OIL	532.	1751.	Once-Thru	Hudson Rvr
Devon	Conn Light and Power	CT	OIL	429.	1448.	Once-Thru	Housatonic Rvr
Dunkirk 1-4	Niagara-Mohawk Power	NY	COAL	628.	3163.	Once-Thru	Lake Erie
East River 5-7	Con Edison	NY	O-G	513.	1354.	Once-Thru	East Rvr
English 4-8	United Illum Co	CT	OIL	146.	31.	Once-Thru	Long Is Sound
Far Rockaway 4	Long Island Lighting	NY	O-G	114.	26.	Once-Thru	Bayswater Ch
Fitzpatrick	Power Auth of NY	NY	BWR	821.	4335.	Once-Thru	Lake Ontario
Ginna	Rochester Gas-Elec	NY	PWR	470.	3094.	Once-Thru	Lake Ontario
Glenwood 4-5	Long Island Lighting	NY	O-G	228.	485.	Once-Thru	Long Is Sound
Goudey 5-8	NY State Elec-Gas	NY	COAL	104.	777.	Once-Thru	Susquehanna
Greenidge 1-4	NY State Elec-Gas	NY	COAL	170.	1281.	Once-Thru	Seneca Lake
Haddam Neck	Conn Yankee Atomic	CT	PWR	600.	3563.	Once-Thru	Connecticut
Hickling 1-2	NY State Elec-Gas	NY	COAL	70.	439.	Once-Thru	Chemung Rvr
Hudson Avenue	Con Edison	NY	OIL	605.	46.	Once-Thru	East Rvr
Huntley 63-68	Niagara-Mohawk Power	NY	COAL	828.	4050.	Once-Thru	Niagara Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-4 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 4

	PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
							TYPE	SOURCE
9-a	Indian Point 1	Con Edison	NY	PWR	265.	0.	Once-Thru	Hudson Rvr
	Indian Point 2	Con Edison	NY	PWR	873.	4264.	Once-Thru	Hudson Rvr
	Indian Point 3	Power Auth of NY	NY	PWR	965.	3071.	Once-Thru	Hudson Rvr
	Jennison 1-2	NY State Elec-Gas	NY	COAL	68.	438.	Once-Thru	Susquehanna
	Lovett 1-5	Orange-Rockland Util	NY	COG	495.	1779.	Once-Thru	Hudson Rvr
	Manchester St	Narragansett Elec	RI	O-G	132.	480.	Once-Thru	Narragansett
	Martins Crk 1-4	Penn Power-Light	PA	C-O	2014.	7405.	Once-Thru	Delaware Rvr
	Middletown 1-4	Hartford Elec Light	CT	C-O	837.	2893.	Once-Thru	Connecticut
	Milliken	NY State Elec-Gas	NY	COAL	270.	2036.	Once-Thru	Cayuga Lake
	Millstone-1	Conn Light and Power	CT	BWR	660.	4404.	Once-Thru	Niantic Bay
	Millstone-2	Conn Light and Power	CT	PWR	909.	4882.	Once-Thru	Niantic Bay
	Montville	Conn Light and Power	CT	OIL	490.	1306.	Once-Thru	Thames Rvr
	New Haven Har	United Illum Co	CT	OIL	465.	2037.	Once-Thru	New Haven Har
	Nine Mile Pt 1	Niagara-Mohawk Power	NY	BWR	620.	4358.	Once-Thru	Lake Ontario
	Northport 1-4	Long Island Lighting	NY	OIL	1548.	6892.	Once-Thru	Long Is Sound
	Norwalk Har 1-2	Conn Light and Power	CT	OIL	326.	1938.	Once-Thru	Long Is Sound
	Oswego 1-6	Niagara-Mohawk Power	NY	OIL	2128.	3825.	Once-Thru	Lake Ontario
	Port Jefferson	Long Island Lighting	NY	OIL	467.	1954.	Once-Thru	Long Is Sound
	Portland 1-2	Metropolitan Edison	PA	COAL	427.	1813.	Once-Thru	Delaware Rvr
	Ravenswood 1-3	Con Edison	NY	COG	1827.	6133.	Once-Thru	East Rvr
	Roseton 1-2	Cen Hudson Gas-Elec	NY	OIL	1242.	5492.	Once-Thru	Hudson Rvr
	Russell 1-4	Rochester Gas-Elec	NY	COAL	253.	1439.	Once-Thru	Lake Ontario
	South St 1,8,12	Narragansett Elec	RI	OIL	110.	471.	Once-Thru	Narragansett

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-4 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 4

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Steel Pt 1-11	United Illum Co	CT	OIL	155.	15.	Once-Thru	Bridgeport Har
Waterside - NY	Con Edison	NY	O-G	432.	1016.	Once-Thru	East Rvr
59th Street	Con Edison	NY	OIL	114.	356.	Once-Thru	Hudson Rvr
74th St 3,9-11	Con Edison	NY	OIL	209.	142.	Once-Thru	East Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-5

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 5

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Barbadoes 3-4	Philadelphia Elec Co	PA	O-G	134.	0.	Once-Thru	Schuylkill Rvr
Benning 11-16	Potomac Electric	MD	OIL	630.	552.	Combination	Anacostia Rvr
Bergen 1-2	Pub Ser Elec-Gas	NJ	O-G	650.	2016.	Once-Thru	Passaic Rvr
Brunner Is 1-3	Penn Power-Light	PA	COAL	1559.	9348.	Once-Thru	Susquehanna
Burlington - NJ	Pub Ser Elec-Gas	NJ	OIL	455.	519.	Once-Thru	Delaware Rvr
Buzzard Pt 2-6	Potomac Electric	MD	OIL	222.	123.	Once-Thru	Anacostia Rvr
Cal. Cliffs 1	Baltimore Gas-Elect	MD	PWR	845.	4534.	Once-Thru	Chesapeake Bay
Cal. Cliffs 2	Baltimore Gas-Elect	MD	PWR	845.	6413.	Once-Thru	Chesapeake Bay
Chalk Point 1-3	Potomac Electric	MD	C-O	1387.	3792.	Once-Thru	Patuxent Rvr
Chester 5-6	Philadelphia Elec Co	PA	O-G	130.	21.	Once-Thru	Delaware Rvr
Crane 1-2	Baltimore Gas-Elect	MD	C-O	400.	1273.	Once-Thru	Seneca Crk
Cromby 1-2	Philadelphia Elec Co	PA	C-O	306.	1618.	Once-Thru	Schuylkill Rvr
Deepwater 1,3-7	Atlantic City Elec	NJ	COG	306.	1125.	Once-Thru	Delaware Rvr
Delaware City	Delmarva Power-Light	DE	OIL	130.	524.	Once-Thru	Delaware Rvr
Delaware 7-8	Philadelphia Elec Co	PA	OIL	313.	586.	Once-Thru	Delaware Rvr
Down 1-5	Vineland	NJ	COG	76.	289.	Cooling Tower	Wells
Eddystone 1-4	Philadelphia Elec Co	PA	C-O	1489.	3216.	Once-Thru	Delaware Rvr
Edge Moor 1-5	Delmarva Power-Light	DE	O-G	836.	3393.	Once-Thru	Delaware Rvr
England 1-3	Atlantic City Elec	NJ	C-O	476.	2282.	Once-Thru	Gr Egg Harbor
Front St 1-5	Penn Electric Co	PA	COAL	119.	504.	Once-Thru	Lake Erie
Gilbert 1-3	Jersey Cen Power-Li	NJ	COG	126.	357.	Once-Thru	Delaware Rvr
Gilbert 4-8	Jersey Cen Power-Li	NJ	COMB	340.	207.	Once-Thru	Delaware Rvr
Gould St 3	Baltimore Gas-Elect	MD	C-O	103.	225.	Once-Thru	Patapsco Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-5 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 5

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Holtwood 1	Penn Power-Light	PA	COAL	75.	436.	Once-Thru	Susquehanna
Homer City 1-3	Penn Electric Co	PA	COAL	2012.	10377.	Cooling Tower	Two Lick Crk
Hudson 1-2	Pub Ser Elec-Gas	NJ	COG	1115.	4235.	Once-Thru	Hackensack
Hunlock Crk 3	United Gas Improvement	PA	COAL	46.	305.	Once-Thru	
Indian Rvr 1-4	Delmarva Power-Light	DE	COAL	340.	2225.	Once-Thru	Indian Rvr
Kearny 7-8	Pub Ser Elec-Gas	NJ	OIL	314.	652.	Once-Thru	Hackensack
Keystone - PA	Penn Electric Co	PA	COAL	1872.	10635.	Cooling Tower	Crooked Crk
Linden 1,2,4	Pub Ser Elec-Gas	NJ	OIL	613	1551.	Once-Thru	Arthur Kill
McKee Run 1-3	Dover	DE	OIL	172.	496.	Cooling Tower	Municipal
Mercer 1-2	Pub Ser Elec-Gas	NJ	C-G	653.	2843.	Once-Thru	Delaware Rvr
Montour 1-2	Penn Power-Light	PA	COAL	1642.	10117.	Cooling Tower	Susquehanna
Morgantown 1-2	Potomac Electric	MD	C-O	1251.	6702.	Once-Thru	Potomac Rvr
Oyster Creek	Jersey Cen Power-Li	NJ	BWR	650.	1958.	Once-Thru	Barnegat Bay
Peach Bottom 2	Philadelphia Elec Co	PA	BWR	1065.	4344.	Combination	Susquehanna
Peach Bottom 3	Philadelphia Elec Co	PA	BWR	1065.	7234.	Combination	Susquehanna
Richmond 9,12	Philadelphia Elec Co	PA	OIL	355.	176.	Once-Thru	Delaware Rvr
Riverside 1	Baltimore Gas-Elect	MD	C-O	334.	370.	Once-Thru	Patapsco Rvr
Salem 1	Pub Ser Elec-Gas	NJ	PWR	1090.	5685.	Once-Thru	Delaware Rvr
Sammis 1-7	Ohio Edison Co	OH	COAL	2304.	10868.	Once-Thru	Ohio Rvr
Sayreville 1-5	Jersey Cen Power-Li	NJ	O-G	347.	1051.	Once-Thru	Raritan Rvr
Schuylkill	Philadelphia Elec Co	PA	OIL	275.	608.	Once-Thru	Schuylkill R
Sewaren 1-5	Pub Ser Elec-Gas	NJ	O-G	820.	2283.	Once-Thru	Arthur Kill
Shawville 1-4	Penn Electric Co	PA	COAL	628.	3718.	Combination	Susquehanna

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-5 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 5

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Smith 3-4	Potomac Edison Co	MD	COAL	109.	673.	Once-Thru	Potomac Rvr
Southwark 1-2	Philadelphia Elec Co	PA	OIL	345.	325.	Once-Thru	Delaware Rvr
Sunbury 1-4	Penn Power-Light	PA	COAL	410.	2470.	Once-Thru	Susquehanna
Titus 1-3	Metropolitan Edison	PA	COAL	225.	1476.	Once-Thru	Schuylkill Rvr
Toronto 5-7	Ohio Edison Co	OH	COAL	175.	720.	Once-Thru	Ohio Rvr
Vienna 5-8	Delmarva Power-Light	MD	OIL	230.	438.	Combination	Nanticoke Rvr
Wagner 1-4	Baltimore Gas-Elect	MD	C-O	1043.	2811.	Once-Thru	Patapsco Rvr
Warren 1-2	Penn Electric Co	PA	COAL	85.	534.	Once-Thru	Allegheny Rvr
Werner 4	Jersey Cen Power-Li	NJ	OIL	60.	153.	Once-Thru	Raritan Rvr
Westport 1	Baltimore Gas-Elect	MD	OIL	194.	141.	Once-Thru	Patapsco Rvr
Williamsburg	Penn Electric Co	PA	COAL	25.	228.	Combination	Juniata Rvr
3 Mile Island 1	Metropolitan Edison	PA	PWR	819.	0	Cooling Tower	Susquehanna
3 Mile Island 2	Metropolitan Edison	PA	PWR	906.	0	Cooling Tower	Susquehanna

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-6

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 6

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Crawford 7-8	Commonwealth Edison	IL	COG	597.	2651.	Once-Thru	Chicago Canal
Dresden 1	Commonwealth Edison	IL	BWR	209.	0.	Cooling Pond	Illinois Rvr
Dresden 2	Commonwealth Edison	IL	BWR	794.	4581.	Cooling Pond	Illinois Rvr
Dresden 3	Commonwealth Edison	IL	BWR	794.	4330.	Cooling Pond	Illinois Rvr
Fisk 18-19	Commonwealth Edison	IL	C-G	374.	1692.	Once-Thru	Chicago Canal
Joliet 5-8	Commonwealth Edison	IL	C-G	1680.	5811.	Once-Thru	Des Plaines
Ridgeland 1-4	Commonwealth Edison	IL	OIL	690.	1711.	Once-Thru	Chicago Canal
Waukegan 5-8	Commonwealth Edison	IL	C-G	802.	2808.	Once-Thru	Lake Michigan
Will County 1-4	Commonwealth Edison	IL	COAL	1269.	4019.	Once-Thru	Chicago Canal
Zion 1	Commonwealth Edison	IL	PWR	1098.	6515.	Once-Thru	Lake Michigan
Zion 2	Commonwealth Edison	IL	PWR	1098.	5279.	Once-Thru	Lake Michigan

B-11

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE B-7

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 7

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Anclote 1-2	Florida Power Corp	FL	OIL	1112.	5012.	Once-Thru	Gulf of Mexico
Avon Park 2	Florida Power Corp	FL	O-G	46.	221.	Once-Thru	Lake Lotella
Bartow, PL 1-3	Florida Power Corp	FL	O-G	494.	2119.	Once-Thru	Tampa Bay
Big Bend 1-3	Tampa Electric Co	FL	COAL	1337.	6440.	Once-Thru	Tampa Bay
Cape Kennedy	Florida Power-Light	FL	O-G	804.	4581.	Once-Thru	Indian Rvr
Crist 1-7	Gulf Power Co	FL	COG	1229.	3762.	Combination	Escambia Rvr
Crystal Rvr 1-2	Florida Power Corp	FL	COAL	964.	4485.	Once-Thru	Gulf of Mexico
Crystal Rvr 3	Florida Power Corp	FL	PWR	825.	3297.	Once-Thru	Gulf of Mexico
Deerhaven 1	Gainesville	FL	OIL	81.	585.	Cooling Tower	Wells
Fort Meyers 1-2	Florida Power-Light	FL	OIL	558.	3272.	Once-Thru	Caloosahatchie
Gannon, 1-6	Tampa Electric Co	FL	C-O	1270.	5156.	Once-Thru	Tampa Bay
Higgins 1-3	Florida Power Corp	FL	O-G	138.	537.	Once-Thru	Tampa Bay
Hookers PT 1-5	Tampa Electric Co	FL	OIL	233.	390.	Once-Thru	Tampa Bay
Hopkins	Tallahassee	FL	O-G	313.	1226.	Cooling Tower	Wells
Indian Rvr 1-3	Orlando	FL	O-G	637.	2582.	Once-Thru	Indian Rvr
Kelly 6-8	Gainesville	FL	OIL	94.	243.	Cooling Tower	Municipal
Kennedy 8-10	Jacksonville	FL	OIL	250.	954.	Once-Thru	St Johns Rvr
Key West 1-6	Key West	FL	OIL	73.	117.	Once-Thru	Wells
Larsen 4-7	Lakeland	FL	OIL	117.	552.	Once-Thru	Lake Parker
Lauderdale 4-5	Florida Power-Light	FL	O-G	313.	934.	Once-Thru	Dania Canal
Lk Highland 1-3	Orlando	FL	O-G	90.	220.	Once-Thru	Springs
Manatee 1-2	Florida Power-Light	FL	OIL	1727.	5881.	Cooling Pond	
McIntosh 1-2	Lakeland	FL	COG	205.	823.	Combination	Lake Parker

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 7

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Northside 1-3	Jacksonville	FL	OIL	1159.	2985.	Once-Thru	St Johns Rvr
Pt Everglades 1	Florida Power-Light	FL	O-G	1255.	5658.	Once-Thru	Lake Mable
Purdom 1-7	Tallahassee	FL	O-G	130.	303.	Once-Thru	St Marks Rvr
Riveria 3-4	Florida Power-Light	FL	O-G	740.	3233.	Once-Thru	Lake Worth
Sanford 3-5	Florida Power-Light	FL	O-G	1028.	3349.	Once-Thru	St Johns Rvr
Scholtz 1-2	Gulf Power Co	FL	C-G	96.	317.	Once-Thru	Apalachicola
Smith, L 1-2	Gulf Power Co	FL	COAL	365.	2065.	Once-Thru	North Bay
Smith, T	Lake Worth	FL	O-G	74.	116.	Cooling Tower	Municipal
Southside 1-5	Jacksonville	FL	OIL	357.	1326.	Once-Thru	St Johns Rvr
St. Lucie 1	Florida Power-Light	FL	PWR	777.	5200.	Once-Thru	Atlantic Ocean
Suwannee 1-3	Florida Power Corp	FL	O-G	147.	741.	Once-Thru	Suwannee Rvr
Turkey Pt 1-2	Florida Power-Light	FL	O-G	804.	3711.	Cooling Pond	Biscayne Bay
Turkey Pt 3	Florida Power-Light	FL	PWR	666.	4387.	Cooling Pond	Biscayne Bay
Turkey Pt 4	Florida Power-Light	FL	PWR	666.	3854.	Cooling Pond	Biscayne Bay
Turner, GE 3-4	Florida Power Corp	FL	O-G	160.	593.	Once-Thru	Lake Monroe
Vero Beach 1-4	Vero Beach Mun Util	FL	O-G	117.	390.	Once-Thru	Indian Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-8
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 8

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Andrus 1	Miss Power-Light	MS	OIL	782.	2969.	Once-Thru	Mississippi
Arkansas 1	Arkansas Power-Light	AR	PWR	850.	3782.	Once-Thru	Dardanelle Rvr
Arkansas 2	Arkansas Power-Light	AR	PWR	912.	3647.	Cooling Tower	Dardanelle Rvr
Bailey 1	Ark Elec Coop	AR	O-G	122.	292.	Once-Thru	White Rvr
Couch, H 1-2	Arkansas Power-Light	AR	O-G	188.	603.	Cooling Tower	Wells
Delta 1-2	Miss Power-Light	MS	O-G	221.	487.	Combination	Pond
Hill, J	Ark-Missouri Power	MO	O-G	33.	44.	Cooling Tower	Wells
Lk Catherine	Arkansas Power-Light	AR	O-G	757.	2163.	Once-Thru	Lk Catherine
Lynch 1-3	Arkansas Power-Light	AR	O-G	259.	309.	Cooling Tower	Wells
Market St 11-13	New Orleans Pub Ser	LA	O-G	96.	135.	Once-Thru	Mississippi
McClellan 1	Ark Elec Coop	AR	O-G	136.	356.	Once-Thru	Quachita Rvr
Michoud 1-3	New Orleans Pub Ser	LA	O-G	959.	3354.	Once-Thru	Mississippi
Minden 1-2	Minden	LA	O-G	25.	38.	Cooling Tower	Wells
Monroe	Monroe	LA	O-G	166.	257.	Once-Thru	Quachita Rvr
Moses, H 1-2	Arkansas Power-Light	AR	OIL	144.	227.	Cooling Tower	Languille Rvr
Natchez	Miss Power-Light	MS	O-G	66.	159.	Cooling Tower	Wells
New Madrid 1-2	Assoc Elec	MO	COAL	1200.	7021.	Once-Thru	Mississippi
Nine Mile Pt	Louisiana Pow-Light	LA	O-G	1917.	6372.	Once-Thru	Mississippi
Paterson 1-4	New Orleans Pub Ser	LA	O-G	224.	696.	Once-Thru	In Hrbr Canal
Powerhouse 2	New Orleans Sew-Wat	LA	O-G	41.	70.	Once-Thru	Municipal
Rex Brown 1-4	Miss Power-Light	MS	O-G	383.	2234.	Combination	Pearl Rvr
Ritchie 1-2	Arkansas Power-Light	AR	O-G	900.	3087.	Once-Thru	Mississippi
Ruston	Ruston	LA	O-G	81.	233.	Cooling Tower	Municipal

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-8 (Cont'd)
 STEAM-ELECTRIC POWER PLANTS
 BY ELECTRIC REGIONS

REGION 8

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Sterlington	Louisiana Pow-Light	LA	GAS	523.	2842.	Once-Thru	Quachita Rvr
Waterford 1-2	Louisiana Pow-Light	LA	O-G	892.	2669.	Once-Thru	Mississippi
Wilson 1-2	Miss Power-Light	MS	O-G	1328.	4461.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE B-9
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 9

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Arkwright 1-4	Georgia Power Co	GA	COAL	191.	605.	Once-Thru	Ocmulgee Rvr
Atkinson 1-4	Georgia Power Co	GA	OIL	258.	122.	Once-Thru	Chattahoochee
Barry 1-5	Alabama Power Co	AL	COAL	1771.	6780.	Once-Thru	Mobile Rvr
Bowen 1-4	Georgia Power Co	GA	COAL	3499.	17680.	Cooling Tower	Etowah Rvr
Branch, H 1-4	Georgia Power Co	GA	COAL	1746.	5611.	Once-Thru	Lake Sinclair
Chickasaw 1-3	Alabama Power Co	AL	O-G	46.	0.	Once-Thru	Mobile Rvr
Eaton 1-3	Miss Power Co	MS	O-G	75.	1.	Once-Thru	Leaf Rvr
Farley 1	Alabama Power Co	AL	PWR	829.	4604.	Combination	Chattahoochee
Gadsden 1-2	Alabama Power Co	AL	C-G	120.	751.	Once-Thru	Coosa Rvr
Gaston 1-5	Alabama Power Co	AL	COAL	2013.	12053.	Once-Thru	Coosa Rvr
Gorgas 5-10	Alabama Power Co	AL	COAL	1485.	6700.	Once-Thru	Black Warrior
Greene Co 1-2	Alabama Power Co	AL	COAL	569.	1984.	Once-Thru	Black Warrior
Hammond 1-4	Georgia Power Co	GA	COAL	954.	3350.	Once-Thru	Coosa Rvr
Hatch 1	Georgia Power Co	GA	BWR	786.	4791.	Cooling Tower	Altamaha Rvr
Hatch 2	Georgia Power Co	GA	BWR	784.	3645.	Cooling Tower	Altamaha Rvr
McDonough 1-2	Georgia Power Co	GA	COAL	598.	1968.	Once-Thru	Chattahoochee
McManus 1-2	Georgia Power Co	GA	OIL	131.	29.	Once-Thru	Turtle Rvr
McWilliams 1-3	Alabama Elec Coop	AL	C-G	40.	13.	Once-Thru	Conecuh Rvr
JH Miller	Alabama Power Co	AL	COAL	706.	1911.	Cooling Tower	Black Warrior
Mitchell	Georgia Power Co	GA	COAL	171.	1109.	Once-Thru	Flint Rvr
Morrow	S Miss Elect Pwr Assn	MS	C-O	360.	1580.	Cooling Tower	Wells
Moselle 1-3	S Miss Elec Pwr Assn	MS	O-G	177.	257.	Cooling Tower	Wells
Port Wentworth	Savannah Elec-Power	GA	O-G	334.	1575.	Once-Thru	Savannah Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-9 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 9

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Riverside 6-8	Savannah Elec-Power	GA	O-G	80.	14.	Once-Thru	Savannah Rvr
Sweatt 1-2	Miss Power Co	MS	O-G	93.	85.	Cooling Tower	Wells
Tombigbee 1-2	Alabama Elec Coop	AL	COAL	545.	1196.	Once-Thru	Tombigbee Rvr
VJ Daniel 1	Miss Power Co	MS	C-O	548.	2116.	Cooling Pond	Pascagoula Rvr
Wansley 1-2	Georgia Power Co	GA	COAL	1904.	11730.	Cooling Tower	Chattahoochee
Watson 1-5	Miss Power Co	MS	COG	1174.	3493.	Once-Thru	Biloxi Rvr
Yates 1-7	Georgia Power Co	GA	COAL	1488.	6396.	Once-Thru	Chattahoochee

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-10
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 10

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Big Cajun 1	Cajun Elec-Power Coop	LA	OIL	230.	1312.	Cooling Tower	Wells
Bonin 1-3	Lafayette	LA	O-G	330.	1377.	Cooling Tower	Wells
Bryan 1-7	Bryan	TX	O-G	125.	110.	Cooling Tower	Wells
Coughlin 1-7	Cen Louisiana Elec	LA	O-G	483.	1555.	Combination	Bayou Cocodrie
Dansby, R	Bryan	TX	O-G	105.	514.	Cooling Tower	Wells
Hunter - 3rd St	Alexandria	LA	O-G	179.	480.	Cooling Tower	Wells
Lewis Crk 1-2	Gulf States Util Co	TX	O-G	543.	3124.	Cooling Pond	San Jacinto
Little Gypsy	Louisiana Pow-Light	LA	O-G	1251.	4471.	Once-Thru	Mississippi
Louisiana 1	Gulf States Util Co	LA	O-G	253.	942.	Cooling Tower	Mississippi
Louisiana 2	Gulf States Util Co	LA	O-G	175.	1147.	Cooling Tower	Wells
Morgan City 1-3	Morgan City	LA	O-G	71.	113.	Once-Thru	Municipal
Natchitoches	Natchitoches	LA	O-G	46.	71.	Cooling Tower	Lake
Nelson 1-4	Gulf States Util Co	LA	O-G	982.	4169.	Cooling Tower	Wells
Rodemacher 1	Cen Louisiana Elec	LA	O-G	450.	2658.	Cooling Pond	Lake
Rodemacher 1-4	Lafayette	LA	O-G	50.	58.	Cooling Tower	Wells
Sabine 1-5	Gulf States Util Co	TX	O-G	2051.	8818.	Once-Thru	Sabine Lk
Teche 1-3	Cen Louisiana Elec	LA	O-G	431.	2254.	Once-Thru	Charnton Canal
Willow Glen 1-5	Gulf States Util Co	LA	O-G	2178.	7023.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-11
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 11

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Browns Ferry 1	Tenn Valley Auth	AL	BWR	1065.	6062.	Combination	Tennessee Rvr
Browns Ferry 2	Tenn Valley Auth	AL	BWR	1065.	5619.	Combination	Tennessee Rvr
Browns Ferry 3	Tenn Valley Auth	AL	BWR	1065.	6937.	Combination	Tennessee Rvr
Bull Run 1	Tenn Valley Auth	TN	COAL	950.	5770.	Once-Thru	Clinch Rvr
Colbert 1-5	Tenn Valley Auth	AL	COAL	1420.	6613.	Once-Thru	Tennessee Rvr
Cumberland 1-2	Tenn Valley Auth	TN	COAL	2600.	10900.	Once-Thru	Cumberland Rvr
Gallatin 1-4	Tenn Valley Auth	TN	COAL	1255.	6425.	Once-Thru	Cumberland Rvr
John Sevier 1-4	Tenn Valley Auth	TN	COAL	812.	5410.	Once-Thru	Holston Rvr
Johnsonville	Tenn Valley Auth	TN	COAL	1485.	6762.	Once-Thru	Tennessee Rvr
Kingston 1-9	Tenn Valley Auth	TN	COAL	1700.	10538.	Once-Thru	Clinch Rvr
T H Allen 1-3	Tenn Valley Auth	TN	C-G	990.	4251.	Once-Thru	Mississippi
Watts Bar A-D	Tenn Valley Auth	TN	COAL	240.	797.	Once-Thru	Tennessee Rvr
Widows Crk 1-8	Tenn Valley Auth	AL	COAL	1978.	7395.	Once-Thru	Tennessee Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-12

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 12

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Allen 1-5	Duke Power Co	NC	COAL	1155.	5604.	Once-Thru	Catawba Rvr
Asheville 1-2	Carolina Power-Light	NC	COAL	414.	2483.	Cooling Pond	Fr Broad Rvr
Belews Crk 1-2	Duke Power Co	NC	COAL	2160.	13128.	Cooling Pond	Belews Crk
Bremo Bluff 3-4	Virginia Elec Power	VA	COAL	254.	1322.	Once-Thru	James Rvr
Brunswick 1	Carolina Power-Light	NC	BWR	821.	3940.	Once-Thru	Cape Fear Rvr
Brunswick 2	Carolina Power-Light	NC	BWR	821.	1865.	Once-Thru	Cape Fear Rvr
Buck 3-6	Duke Power Co	NC	COAL	364.	1426.	Once-Thru	Yadkin Rvr
Buck C	Duke Power Co	NC	COMB	93.	21.	Once-Thru	Yadkin Rvr
Canadys 1-3	S Carolina Elec-Gas	SC	C-G	490.	2424.	Combination	Edisto Rvr
Cape Fear	Carolina Power-Light	NC	COAL	382.	1563.	Once-Thru	Cape Fear Rvr
Chesterfield	Virginia Elec-Power	VA	C-O	1486.	3191.	Once-Thru	James Rvr
Cliffside 1-5	Duke Power Co	NC	COAL	781.	4040.	Combination	Broad Rvr
Dan River 1-3	Duke Power Co	NC	COAL	284.	1122.	Once-Thru	Dan Rvr
Grainger 1-2	S Carolina Pub Ser	SC	C-O	163.	888.	Combination	Waccamaw Rvr
Hagood 1-3	S Carolina Elec-Gas	SC	O-G	98.	59.	Once-Thru	Ashley Rvr
Jefferies 1-4	S Carolina Pub Ser	SC	C-O	446.	1758.	Once-Thru	Cooper Rvr
Lee 1-3	Duke Power Co	SC	COAL	323.	1678.	Combination	Saluda Rvr
Lee, HF 1-3	Carolina Power-Light	NC	COAL	407.	1968.	Cooling Pond	Neuse Rvr
Marshall 1-4	Duke Power Co	NC	COAL	2025.	11820.	Once-Thru	Catawba Rvr
McMeekin 1-2	S Carolina Elec-Gas	SC	C-G	294.	1934.	Once-Thru	Lake Murry
North Anna 1	Virginia Elec-Power	VA	PWR	907.	5632.	Once-Thru	Lake Anna
Oconee 1	Duke Power Co	SC	PWR	887.	512.	Once-Thru	Lake Keowee
Oconee 2	Duke Power Co	SC	PWR	887.	3879.	Once-Thru	Lake Keowee

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-12 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 12

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Oconee 3	Duke Power Co	SC	PWR	887.	5218.	Once-Thru	Lake Keowee
Portsmouth 1-4	Virginia Elec-Power	VA	COG	650.	1816.	Once-Thru	Elizabeth Rvr
Possum Pt 1-5	Virginia Elec-Power	VA	C-O	1373.	3711.	Combination	Potomac Rvr
Potomac Rvr 1-5	Potomac Electric	VA	C-O	515.	2764.	Once-Thru	Potomac Rvr
Riverbend 4-7	Duke Power Co	NC	COAL	466.	2193.	Once-Thru	Catawba Rvr
Riverbend C	Duke Power Co	NC	COMB	120.	27.	Once-Thru	Catawba Rvr
Robinson, HB 1	Carolina Power-Light	SC	COAL	207.	1006.	Cooling Pond	Black Crk
Robinson, HB 2	Carolina Power-Light	SC	PWR	700.	3211.	Cooling Pond	Black Crk
Roxboro 1-3	Carolina Power-Light	NC	COAL	1813.	12080.	Cooling Pond	Hycr Rvr
Surry 1	Virginia Elec-Power	VA	PWR	822.	2473.	Once-Thru	James Rvr
Surry 2	Virginia Elec-Power	VA	PWR	822.	2242.	Once-Thru	James Rvr
Sutton, LV 1-3	Carolina Power-Light	NC	C-O	672.	2619.	Cooling Pond	Cape Fear Rvr
Urquhart 1-3	S Carolina Elec-Gas	SC	C-G	250.	1617.	Once-Thru	Savannah Rvr
Wateree 1-2	S Carolina Elec-Gas	SC	C-O	772.	4016.	Combination	Wateree Rvr
Weatherspoon 1	Carolina Power-Light	NC	C-G	166.	577.	Cooling Pond	Lumber Rvr
Williams 1	S Carolina Elec-Gas	SC	OIL	632.	1252.	Cooling Tower	Back Rvr
Winyah 1-2	S Carolina Pub Ser	SC	COAL	630.	4484.	Cooling Pond	Santee Rvr
Yorktown 1-3	Virginia Elec-Power	VA	C-O	1257.	3144.	Once-Thru	York Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-13
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 13

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Acme 1-5	Toledo Edison Co	OH	C-O	307.	634.	Once-Thru	Maumee Rvr
Ashtabula 1-9	Cleveland Elec Ill	OH	C-O	640.	2160.	Once-Thru	Lake Erie
Avon Lake 1-9	Cleveland Elec Ill	OH	C-O	1275.	3994.	Once-Thru	Lake Erie
Bayshore 1-4	Toledo Edison Co	OH	COAL	640.	4013.	Once-Thru	Maumee Bay
Davis-Besse 1	Toledo Edison Co	OH	PWR	906.	2094.	Cooling Tower	Lake Erie
Edgewater 2-4	Ohio Edison Co	OH	COAL	193.	845.	Once-Thru	Lake Erie
Eastlake 1-5	Cleveland Elec Ill	OH	COAL	1257.	6301.	Once-Thru	Lake Erie
Gorge 6-7	Ohio Edison Co	OH	COAL	88.	437.	Once-Thru	Cuyahoga Rvr
Lake Road 8-11	Cleveland	OH	COAL	160.	0.	Once-Thru	Lake Erie
Lk Shore 14-18	Cleveland Elec Ill	OH	C-O	514.	1340.	Once-Thru	Lake Erie
Niles 1-2	Ohio Edison	OH	COAL	250.	1102.	Once-Thru	Mahoning Rvr
Norwalk	Ohio Edison Co	OH	C-O	31.	3.	Cooling Pond	Reservoirs
Painesville	Painesville	OH	COAL	57.	144.	Cooling Tower	Municipal

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-14

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 14

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Beckjord 1-6	Cincinnati G-E Co	OH	COAL	1181.	5636.	Once-Thru	Ohio Rvr
Conesville 1-6	Columbus-So Ohio Ele	OH	COAL	2175.	6974.	Combination	Muskingum Rvr
Gavin 1-2	Ohio Electric Co	OH	COAL	2600.	14675.	Cooling Tower	Ohio Rvr
Hamilton 1	Hamilton	OH	COG	119.	378.	Cooling Tower	Municipal
Hutchings 1-6	Dayton Pow-Light Co	OH	COAL	414.	1551.	Once-Thru	Gr Miami Rvr
Kyger Crk 1-5	Ohio Valley Elec Co	OH	C-O	1087.	6733.	Once-Thru	Ohio Rvr
Mad River 1-3	Ohio Edison Co	OH	COAL	75.	150.	Once-Thru	Mad Rvr
Miami Fort 3-8	Cincinnati G-E Co	OH	C-O	1460.	6537.	Once-Thru	Ohio Rvr
Picway 3-5	Columbus-So Ohio Ele	OH	COAL	106.	466.	Once-Thru	Scioto Rvr
Poston 1-4	Columbus-So Ohio Ele	OH	COAL	226.	804.	Cooling Tower	Wells
Stuart 1-4	Dayton Pow-Light Co	OH	COAL	2440.	12386.	Once-Thru	Ohio Rvr
Tait 1-5, 7-8	Dayton Pow-Light Co	OH	C-O	449.	1087.	Once-Thru	Gr Miami Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-15

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 15

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Brown, EW 1-3	Kentucky Util Co	KY	COAL	740.	3071.	Cooling Tower	Herrington Lk
Coleman 1-4	Big Rvrs Rural Elec	KY	COAL	521.	3167.	Once-Thru	Ohio Rvr
Cooper, JS 1-2	East Ken Rural Elec	KY	COAL	354.	1665.	Once-Thru	Cumberland Rvr
Dale, WC 1-4	East Ken Rural Elec	KY	COAL	176.	648.	Combination	Kentucky Rvr
Ghent 1-2	Kentucky Util Co	KY	COAL	1113.	5038.	Cooling Tower	Ohio Rvr
Green Rvr 1-4	Kentucky Util Co	KY	COAL	264.	5887.	Once-Thru	Green Rvr
Henderson	Henderson	KY	COAL	41.	51.	Once-Thru	Ohio Rvr
Paradise 1-3	Tenn Valley Auth	KY	C-O	2558.	10080.	Combination	Green Rvr
Reid 1	Big Rvrs Rural Elec	KY	COAL	370.	454.	Once-Thru	Green Rvr
Shawnee 1-10	Tenn Valley Auth	KY	C-O	1750.	8450.	Once-Thru	Ohio Rvr
Smith, E 1-2	Owensboro	KY	C-O	416.	1920.	Once-Thru	Ohio Rvr
Spurlock 1	East Ken Rural Elec	KY	COAL	300.	1413.	Combination	Ohio Rvr
Tyrone 1-3	Kentucky Util Co	KY	C-O	137.	98.	Once-Thru	Kentucky Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-16
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 16

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Breed 1	Indiana-Mich Elec	IN	COAL	496.	2262.	Once-Thru	Wabash Rvr
Cane Run 1-6	Louisville Gas-Elec	KY	C-G	1017.	2916.	Once-Thru	Ohio Rvr
Cayuga 1-2	Pub Ser Co of Ind	IN	COAL	1062.	5586.	Once-Thru	Wabash Rvr
Clifty Crk 1-6	Ind-Ken Elec Corp	IN	COAL	1304.	9250.	Once-Thru	Ohio Rvr
Culley, FB 1-3	So Ind Gas-Elec Co	IN	COAL	419.	2207.	Once-Thru	Ohio Rvr
Edwardsport 6-8	Pub Ser Co of Ind	IN	COAL	144.	314.	Once-Thru	White Rvr
Gallagher 1-4	Pub Ser Co of Ind	IN	COAL	637.	2115.	Once-Thru	Ohio Rvr
Gibson 1-3	Pub Ser Co of Ind	IN	COAL	2672.	12414.	Once-Thru	
Logansport	Logansport	IN	C-O	53.	88.	Once-Thru	Eel Rvr
Mill Crk 1-6	Louisville Gas-Elec	KY	COAL	1174.	4590.	Combination	Ohio Rvr
Noblesville 1-2	Pub Ser Co of Ind	IN	COAL	100.	136.	Once-Thru	White Rvr
Ohio Rvr 1-7	So Ind Gas-Elec Co	IN	O-G	122.	0.	Once-Thru	Ohio Rvr
Paddys Run 1-6	Louisville Gas-Elec	KY	C-G	288.	35.	Once-Thru	Ohio Rvr
Perry K+W	Indianapolis P-L Co	IN	COAL	59.	61.	Combination	White Rvr
Petersburg 1-3	Indianapolis P-L Co	IN	COAL	1299.	7318.	Combination	White Rvr
Pritchard 1-6	Indianapolis P-L Co	IN	C-O	373.	1000.	Once-Thru	White Rvr
Ratts 1-2	Ind Statewide R.E.C.	IN	COAL	244.	1578.	Once-Thru	White Rvr
State Line 1-4	Commonwealth Edison	IN	C-G	614.	2534.	Once-Thru	Lake Michigan
Stout 1-7	Indianapolis P-L Co	IN	C-O	852.	3080.	Combination	White Rvr
Tanners Crk 1-4	Indiana-Mich Elec	IN	COAL	1101.	4456.	Once-Thru	Ohio Rvr
Wabash Rvr 1-6	Pub Ser Co of Ind	IN	COAL	962.	2981.	Once-Thru	Wabash Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-17
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 17

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Abbott	Univ of Illinois	IL	COAL	30.	37.	Cooling Tower	Municipal
Ashley 1, 7-9	Union Electric Co	MO	OIL	70.	1.	Once-Thru	Mississippi
Baldwin 1-3	Illinois Power Co	IL	COAL	1892.	10218.	Cooling Pond	Kaskaskia Rv
Chamois 1-2	Central Elec Power Coop	MO	COAL	59.	270.	Once-Thru	Missouri Rvr
Coffeen 1-2	Central Ill Pub Ser	IL	COAL	1006.	3557.	Cooling Pond	Coffeen Lk
Collins 1-4	Commonwealth Edison	IL	OIL	2650.	5004.	Cooling Pond	
Columbia	Columbia	MO	COAL	108.	153.	Cooling Tower	Municipal
Dallman 1-3	Springfield	IL	COAL	373.	1251.	Once-Thru	Lk Springfield
Duck Crk 1	Central Ill Light Co	IL	COAL	441.	2263.	Once-Thru	Reservoir
Edwards 1-3	Central Ill Light Co	IL	COAL	780.	2524.	Once-Thru	Illinois Rvr
Grand Tower 3-4	Central Ill Pub Ser	IL	COAL	195.	839.	Once-Thru	Mississippi
Havana 1-6	Illinois Power Co	IL	C-O	732.	1358.	Once-Thru	Illinois Rvr
Hennepin 1-2	Illinois Power Co	IL	C-G	719.	1862.	Once-Thru	Illinois Rvr
Hutsonville 1-4	Central Ill Pub Ser	IL	C-O	200.	926.	Once-Thru	Wabash Rvr
Joppa 1-6	Electric Energy Inc	IL	COAL	1100.	5762.	Once-Thru	Ohio Rvr
Kincaid 1-2	Commonwealth Edison	IL	COAL	1319.	5181.	Cooling Pond	Local Runoff
Labadie 1-4	Union Electric Co	MO	COAL	2482.	11144.	Once-Thru	Missouri Rvr
Lakeside 1-7	Springfield	IL	COAL	146.	208.	Once-Thru	Lk Springfield
Marion 2-3	S Illinois Pow Coop	IL	COAL	270.	1344.	Once-Thru	Crab Orchard
Meramec 1-4	Union Electric Co	MO	C-G	923.	2693.	Once-Thru	Mississippi
Meredosia 1-4	Central Ill Pub Ser	IL	C-O	564.	1807.	Once-Thru	Illinois Rvr
Moline 5-7	Iowa-Ill Gas-Elec	IL	O-G	65.	11.	Once-Thru	Mississippi
Moline 8	Iowa-Ill Gas-Elec	IL	COMB	42.	0.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-17 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 17

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Newton 1	Central Ill Pub Ser	IL	COAL	617.	3048.	Once-Thru	
Powerton 5-6	Commonwealth Edison	IL	COAL	1785.	4913.	Cooling Pond	Illinois Rvr
Rush Island 1-2	Union Electric Co	MO	COAL	1241.	6222.	Once-Thru	Mississippi
Sioux 1-2	Union Electric Co	MO	COAL	1100.	3972.	Once-Thru	Mississippi
Thomas Hill 1-2	Assoc Elec	MO	COAL	470.	2867.	Cooling Pond	Artificial L
Venice No 2 1-6	Union Electric Co	IL	O-G	474.	92.	Once-Thru	Mississippi
Vermilion 1-2	Illinois Power Co	IL	COAL	186.	1005.	Cooling Tower	Reservoir
Wallace 3-7	Central Ill Light Co	IL	COAL	305.	225.	Once-Thru	Illinois Rvr
Wood Rvr 1-5	Illinois Power Co	IL	COG	651.	1866.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-18
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 18

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Advance 1-3	No Mich Elec Coop	MI	COAL	40.	243.	Once-Thru	Lake Charlev
Big Rock Pt	Consumers Power Co	MI	BWR	72.	405.	Once-Thru	Lake Michigan
Campbell 1-2	Consumers Power Co	MI	COAL	835.	4365.	Once-Thru	Lake Michigan
Cobb 1-5	Consumers Power Co	MI	COAL	511.	2510.	Once-Thru	Muskegon Lk
Conners Crk	Detroit Edison Co	MI	COG	540.	696.	Once-Thru	Detroit Rvr
Cook 1	Indiana-Mich Elec	MI	PWR	1054.	6462.	Once-Thru	Lake Michigan
Cook 2	Indiana-Mich Elec	MI	PWR	1100.	6692.	Once-Thru	Lake Michigan
De Young	Holland	MI	C-G	78.	253.	Once-Thru	Black Rvr
Delray 11-16	Detroit Edison Co	MI	O-G	375.	142.	Once-Thru	Detroit Rvr
Eckert 1-6	Lansing	MI	COAL	386.	1375.	Combination	Grand Rvr
Erickson 1	Lansing	MI	COAL	165.	850.	Cooling Tower	Grand Rvr
Fermi 1	Detroit Edison Co	MI	OIL	158.	6.	Once-Thru	Lake Erie
Harbor Beach 1	Detroit Edison Co	MI	COAL	121.	344.	Once-Thru	Lake Huron
Karn, DE 1-4	Consumers Power Co	MI	C-O	1767.	6064.	Once-Thru	Saginaw Rvr
Marysville 6-8	Detroit Edison Co	MI	COAL	200.	403.	Once-Thru	St Clair Rvr
Mistersky 1-7	Detroit	MI	C-O	174.	284.	Once-Thru	Detroit Rvr
Monroe 1-4	Detroit Edison Co	MI	COAL	3280.	16317.	Once-Thru	Lake Erie
Morrow 1-4	Consumers Power Co	MI	GAS	186.	173.	Once-Thru	Kalamazoo Rvr
Ottawa St	Lansing	MI	COAL	82.	76.	Once-Thru	Grand Rvr
Palisades	Consumers Power Co	MI	PWR	805.	2380.	Once-Thru	Lake Michigan
Pennsalt	Detroit Edison Co	MI	C-O	37.	73.	Once-Thru	Detroit Rvr
Rvr Rouge 1-3	Detroit Edison Co	MI	C-O	934.	3399.	Once-Thru	Detroit Rvr
Sixty-Five	Michigan State Univ	MI	C-G	40.	96.	Cooling Tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-18 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 18

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
St Clair 1-7	Detroit Edison Co	MI	C-O	1906.	6344.	Once-Thru	St Clair Rvr
Trenton Chan	Detroit Edison Co	MI	COG	776.	3781.	Once-Thru	Detroit Rvr
Weadock 1-8	Consumers Power Co	MI	C-O	615.	1807.	Once-Thru	Saginaw Rvr
Whiting 1-3	Consumers Power Co	MI	COAL	325.	1937.	Once-Thru	Lake Erie
Wyandotte	Wyandotte	MI	C-G	42.	122.	Once-Thru	Detroit Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-19
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 19

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Blackhawk 1-2	Wisconsin Pow-Light	WI	C-G	50.	45.	Once-Thru	Rock Rvr
Blount St 1-7	Madison Gas-Elec	WI	COG	196.	367.	Once-Thru	Monona Lk
Columbia 1-2	Wisconsin Pow-Light	WI	COAL	1112.	5791.	Once-Thru	Wisconsin Rvr
Commerce St	Wisconsin Elec Pow	WI	O-G	35.	72.	Once-Thru	Milwaukee Rvr
Dewey 1-2	Wisconsin Pow-Light	WI	COAL	227.	1128.	Once-Thru	Mississippi
Edgewater 1-4	Wisconsin Pow-Light	WI	COAL	477.	2238.	Once-Thru	Lake Michigan
Escanaba 1-2	Upper Peninsula Gen	MI	COAL	29.	101.	Once-Thru	Lake Michigan
Kewaunee	Wisconsin Pow-Light	WI	PWR	535.	3632.	Once-Thru	Lake Michigan
Lakeside 1-12	Wisconsin Elec Pow	WI	OIL	311.	342.	Once-Thru	Lake Michigan
Manitowoc	Manitowoc	WI	COAL	69.	70.	Once-Thru	Lake Michigan
Menasha 1-4	Menasha	WI	COAL	34.	44.	Once-Thru	Lake Winnebago
N Oak Creek 1-4	Wisconsin Elec Pow	WI	C-O	500.	2222.	Once-Thru	Lake Michigan
Point Beach 1	Wisc-Mich Power Co	WI	PWR	497.	2477.	Once-Thru	Lake Michigan
Point Beach 2	Wisc-Mich Power Co	WI	PWR	497.	3588.	Once-Thru	Lake Michigan
Port Wash. 1-5	Wisconsin Elec Pow	WI	COAL	400.	1381.	Once-Thru	Lake Michigan
Presque Isle	Upper Peninsula Gen	MI	COAL	625.	2941.	Once-Thru	Lake Superior
Pulliam 1-8	Wisc Pub Ser Corp	WI	COG	373.	1554.	Once-Thru	Fox Rvr
Rock Rvr 1-2	Wisconsin Pow-Light	WI	COAL	150.	425.	Once-Thru	Rock Rvr
S Oak Creek 5-8	Wisconsin Elec Pow	WI	C-O	1170.	3561.	Once-Thru	Lake Michigan
Shiras	Marquette	MI	COAL	34.	172.	Once-Thru	Lake Superior
Stoneman 1-2	Dairyland Pow Coop	WI	COAL	52.	127.	Once-Thru	Mississippi
Valley 1-2	Wisconsin Elec Pow	WI	COAL	269.	1140.	Once-Thru	Milwaukee Rvr
Weston 1-2	Wisc. Pub Ser Corp	WI	C-G	135.	667.	Once-Thru	Wisconsin Rvg
Wildwood 1-6	Marshfield	WI	COG	42.	65.	Combination	Artificial Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-20
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 20

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Allen King 1	No. States Power Co	MN	COAL	598.	2396.	Combination	St Croix Rvr
Alma 1-5	Dairyland Pow Coop	WI	COAL	208.	1808.	Once-Thru	Mississippi
Ames 5-7	Ames	IA	C-G	54.	184.	Cooling Tower	Municipal
Austin 1-4	Austin	MN	COG	32.	33.	Cooling Tower	Cedar Rvr
Bay Front 1-6	Lk Superior Dist Pow	WI	C-G	82.	184.	Once-Thru	Lake Superior
Big Stone 1	Ottertail Power Co	SD	C-O	440.	2610.	Cooling Pond	Big Stone Lk
Black Dog 1-4	No. States Power Co	MN	C-G	481.	798.	Combination	Minnesota Rvr
Bluffs 2-4	Neb Pub Power Dist	NB	O-G	42.	70.	Cooling Tower	Wells
Boone	Iowa Elec Light-Pow	IA	C-G	34.	16.	Cooling Tower	Municipal
Boswell 1-4	Minn Power-Light	MN	C-O	1032.	4513.	Combination	Mississippi
Bridgeport 1-3	Iowa Southern Util	IA	C-O	71.	2.	Cooling Tower	Des Moines Rvr
Burdick 1-6	Grand Island	NB	O-G	93.	207.	Once-Thru	Wells
Burlington 1	Iowa Southern Util	IA	COAL	188.	869.	Once-Thru	Mississippi
Canaday 1	Cen Neb Pub Pow-Irr	NB	O-G	100.	480.	Once-Thru	Supply Canal
Colstrip 1-2	Montana Power Co	MT	COAL	717.	3918.	Cooling Tower	Yellowstone
Cooper	Neb Pub Power Dist	NB	BWR	778.	3788.	Once-Thru	Missouri Rvr
Council Bluffs	Iowa Power-Light	IA	C-G	839.	3247.	Once-Thru	Missouri Rvr
Des Moines 4-7	Iowa Power-Light	IA	COG	277.	496.	Combination	Des Moines Rvr
Duane Arnold 1	Iowa Elec Light-Pow	IA	BWR	538.	2563.	Cooling Tower	Cedar Rvr
Dubuque 1-4	Interstate Pow Co	IA	COG	88.	291.	Once-Thru	Mississippi
Elk River 1-3	United Power Assn	MN	C-O	46.	23.	Once-Thru	Mississippi
Fair Sta 1-2	E Iowa Light-Pow Coop	IA	C-G	55.	190.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-20 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 20

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Fox Lake 1-3	Interstate Pow Co	MN	C-O	105.	226.	Once-Thru	Fox Lk
Fremont 6-8	Fremont Dept of Util	NB	C-G	135.	280.	Combination	Wells
Ft Calhoun	Omaha Pub Power Dist	NB	BWR	457.	1995.	Once-Thru	Missouri Rvr
Genoa 3	Dairyland Pow Coop	WI	COAL	350.	1925.	Once-Thru	Mississippi
N Denver	Hastings	NB	O-G	54.	142.	Combination	Wells
Heskett 1-3	Montana-Dakota Util	ND	C-G	100.	564.	Once-Thru	Missouri Rvr
Hibbard 1-4	Minn Power-Light	MN	O-G	126.	125.	Once-Thru	St Louis Rvr
High Bridge 3-6	No. States Power Co	MN	C-G	392.	968.	Once-Thru	Mississippi
Hoot Lake 1-3	Ottertail Power Co	MN	COAL	137.	736.	Combination	Otter Tail R
Humboldt 1-4	Corn Belt Power Coop	IA	C-G	49.	7.	Once-Thru	Des Moines R
Jones St 11-12	Omaha Pub Power Dist	NB	O-G	83.	1.	Once-Thru	Missouri Rvr
Kapp, ML 1-2	Interstate Pow Co	IA	C-G	239.	1176.	Once-Thru	Mississippi
Kirk 1-4	Black Hill P-L	SD	COAL	32.	121.	Cooling Tower	
Kramer 1-3	Neb Pub Power Dist	NB	C-G	137.	260.	Once-Thru	Missouri Rvr
La Crosse	Dairyland Pow Coop	WI	BWR	50.	214.	Once-Thru	Mississippi
Lansing 1-4	Interstate Pow Co	IA	COAL	339.	1321.	Once-Thru	Mississippi
Laskin 1-2	Minn Power-Light	MN	COAL	110.	252.	Once-Thru	Colby Lk
Lewis + Clark	Montana-Dakota Util	MT	C-G	50.	296.	Once-Thru	Yellowstone
Maynard 6-7	Iowa Pub Ser Co	IA	COG	77.	60.	Once-Thru	Cedar Rvr
Minnesota Val	No. States Power Co	MN	C-G	47.	32.	Once-Thru	Minnesota Rvr
Monticello 1	No. States Power Co	MN	BWR	545.	3454.	Combination	Mississippi
Moorhead 1-4	Moorhead	MN	COAL	34.	74.	Combination	Red Rvr
Mr Young 1-2	Minnkota Power Coop	ND	C-O	673.	4202.	Cooling Tower	Sq Butte Crk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-20 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 20

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Muscatine 5-8	Muscatine	IA	C-G	125.	796.	Once-Thru	Mississippi
Neal 1-4	Iowa Pub Ser Co	IA	COAL	1686.	7363.	Once-Thru	Missouri Rvr
New Ulm 1-4	New Ulm	MN	COG	30.	108.	Cooling Tower	Municipal
North Omaha 1-5	Omaha Pub Power Dist	NB	C-G	646.	2612	Once-Thru	Missouri Rvr
Olds 1-2	Basin Elec Coop	ND	COAL	650.	3567.	Once-Thru	Missouri Rvr
Osage 1-3	Black Hills P-L	WY	COAL	30.	219.	Cooling Tower	Wells
Owatonna 1-6	Owatonna	MN	O-G	35.	110.	Cooling Tower	Municipal
Pathfinder	No. States Power Co	SD	O-G	76.	15.	Cooling Tower	Big Sioux Rvr
Pella	Pella Power-Light	IA	C-O	40.	100.	Cooling Tower	Municipal
Prairie Crk 1-3	Cen Iowa Power Coop	IA	COAL	97.	0	Once-Thru	Cedar Rvr
Prairie Crk 4	Iowa Elec Light-Pow	IA	C-G	149.	0	Once-Thru	Cedar Rvr
Prairie Isl 1	No. States Power Co	MN	PWR	530.	3106.	Cooling Tower	Mississippi
Prairie Isl 2	No. States Power Co	MN	PWR	530.	3469.	Cooling Tower	Mississippi
Quad Cities 1	Commonwealth Edison	IL	BWR	789.	3442.	Cooling Pond	Mississippi
Quad Cities 2	Commonwealth Edison	IL	BWR	789.	3614.	Cooling Pond	Mississippi
Riverside	Iowa-Ill Gas-Elec	IA	C-G	202.	590.	Once-Thru	Mississippi
Riverside - MN	No. States Power Co	MN	COG	378.	1073.	Once-Thru	Mississippi
Sheldon Sta 1-2	Neb Pub Power Dist	NB	C-G	220.	727.	Cooling Tower	Wells
Sherburne 1-2	No. States Power Co	MN	COAL	1440.	8340.	Cooling Tower	Mississippi
Silver Lake 1-4	Rochester	MN	C-G	107.	367.	Combination	Zumbro Rvr
Stanton 1	United Power Assn	ND	COAL	172.	1078.	Once-Thru	Missouri Rvr
Sutherland 1-3	Iowa Elec Light-Pow	IA	C-G	157.	586.	Cooling Tower	Wells
Virginia 1-6	Virginia	MN	C-G	38.	71.	Once-Thru	Silver Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-20 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 20

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Willmar	Willmar	MN	COAL	30.	57.	Cooling Tower	Wells
Wilmarth 1-2	No. States Power Co	MN	C-G	25.	15.	Once-Thru	Minnesota Rvr
Winslow 2-3	Superior Wat-Li-Pow	WI	O-G	25.	31.	Once-thru	Lake Superior
Wisdom	Corn Belt Power Coop	IA	C-G	39.	54.	Cooling Tower	Des Moines R
Wyodak 1	Black Hills P-L	WY	COAL	330.	2463.	Dry Tower	
6th Street 1-8	Iowa Elec Light-Pow	IA	C-G	92.	117.	Cooling Tower	Private Lake

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-21

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 21

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Abilene 1-2	Kansas Power-Light	KS	O-G	41.	25.	Once-Thru	Smoky Hill Rvr
Asbury 1	Empire Dist Elec	MO	COAL	213.	1352.	Cooling Tower	Wells
Blue Valley 1-3	Independence	MO	COG	115.	480.	Cooling Tower	Wells
Cimarron Rvr	Cen Tele-Util	KS	GAS	50.	400.	Cooling Tower	Wells
Coffeyville 1-7	Coffeyville	KS	O-G	75.	113.	Cooling Tower	Municipal
Edmond St 4,5,7	St Joseph Light-Pow	MO	O-G	43.	3.	Once-Thru	Missouri Rvr
Evans 1-2	Kansas Gas-Elec	KS	O-G	539.	2645.	Cooling Tower	Wells
Gill 1-4	Kansas Gas-Elec	KS	O-G	348.	1148.	Cooling Tower	Wells
Grande Ave	Kan City Pow-Light	MO	COG	127.	46.	Once-Thru	Missouri Rvr
B-35 Green, R 1-2	Missouri Pub Ser Co	MO	C-G	50.	73.	Cooling Tower	Artificial Lk
Hawthorn 1-5	Kan City Pow-Light	MO	C-G	908.	2186.	Once-Thru	Missouri Rvr
Hutchinson 1-4	Kansas Power-Light	KS	O-G	257.	1017.	Cooling Tower	Wells
James Rvr 1-5	Springfield	MO	C-G	253.	613.	Combination	Lk Springfield
Jeffrey	Kansas Power-Light	KS	C-O	1141.	5964.	Cooling Tower	
Judson Large	Cen Tele-Util	KS	O-G	180.	260.	Combination	Wells
Kaw Station 1-3	Kansas City	KS	C-G	161.	645.	Once-Thru	Kansas Rvr
La Cygne 1-2	Kansas Gas-Elec	KS	COAL	1558.	5563.	Once-Thru	N Sugar Crk
Lake Road 1-4	St Joseph Light-Pow	MO	COG	126.	363.	Combination	Missouri Rvr
Lake Road 5	St Joseph Light-Pow	MO	COMB	85.	25.	Once-Thru	Missouri Rvr
Lawrence 1-5	Kansas Power-Light	KS	COG	613.	2060.	Cooling Tower	Kansas Rvr
Marshall 1-5	Marshall	MO	COG	31.	92.	Cooling Tower	Municipal
McPherson	McPherson	KS	O-G	54.	15.	Cooling Tower	Wells
Montrose 1-3	Kan City Pow-Light	MO	COAL	563.	2513.	Cooling Pond	Deepwater Cr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-21 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 21

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Mullergren 1-3	Cen Tele-Util	KS	O-G	119.	358.	Cooling Tower	Wells
Neosho 1-3	Kansas Gas-Elec	KS	COG	74.	182.	Combination	Neosho Rvr
Northeast	Kan City Pow-Light	MO	O-G	133.	0.	Once-Thru	Missouri Rvr
Quindaro 2-3	Kansas City	KS	C-G	333.	1294.	Once-Thru	Missouri Rvr
Ripley 1-3	Kansas Gas-Elec	KS	O-G	87.	50.	Cooling Tower	Arkansas Rvr
Riverton	Empire Dist Elec	KS	COG	145.	458.	Once-Thru	Spring Rvr
Ross Beach 1-2	Cen Kansas Power Co	KS	O-G	36.	72.	Cooling Tower	Wells
Sibley 1-3	Missouri Pub Ser Co	MO	COAL	523.	1328.	Once-Thru	Missouri Rvr
Tecumseh 3-8	Kansas Power-Light	KS	COG	346.	836.	Combination	Kansas Rvr
Wellington 1-4	Wellington	KS	O-G	34.	50.	Cooling Tower	Municipal
Winfield 1-4	Winfield	KS	O-G	45.	76.	Combination	Walnut Rvr

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* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-22

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 22

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Algodones 1-3	Plains Elec-Tran	NM	O-G	51.	54.	Cooling Tower	Wells
Anadarko 1-3	West Farmers Ele Cp	OK	O-G	85.	95.	Cooling Tower	Washita Rvr
Anadarko 4-6	West Farmers Ele Cp	OK	COMB	254.	1881.	Cooling Tower	Ft Cobb Res
Arbuckle	Oklahoma Gas-Elec	OK	O-G	74.	276.	Cooling Tower	Wells
Arsenal Hill	SW Elec Power Co	LA	GAS	125.	178.	Cooling Pond	Municipal
Carlsbad 2-4	SW Public Ser Co	NM	O-G	44.	143.	Combination	Pecos Rvr
Comanche	Pub Ser Co of Okla	OK	COMB	290.	1549.	Cooling Tower	Sewage Effln
Cunningham 1-2	SW Public Ser Co	NM	GAS	265.	1601.	Cooling Tower	Wells
Denver City 2-4	SW Public Ser Co	TX	O-G	80.	293.	Cooling Tower	Wells
East 3-5	SW Public Ser Co	TX	O-G	61.	0.	Cooling Tower	Wells
Fitzhugh	Ark Elec Coop	AR	O-G	60.	110.	Once-Thru	Arkansas Rvr
Harrington 1-2	SW Public Ser Co	TX	C-G	1081.	5097.	Cooling Tower	
Holly Ave 1-2	Lubbock	TX	O-G	108.	463.	Cooling Tower	Municipal
Horseshoe Lk	Oklahoma Gas-Elec	OK	O-G	697.	2890.	Combination	N Canadian R
Horseshoe Lk 7	Oklahoma Gas-Elec	OK	COMB	245.	1565.	Combination	N Canadian R
Jones Sta 1-2	SW Public Ser Co	TX	O-G	574.	1806.	Cooling Tower	Sewage Effln
Knox Lee 1-5	SW Elec Power Co	TX	O-G	537.	2777.	Cooling Pond	Lk Cherokee
Lieberman 1-4	SW Elec Power Co	LA	O-G	276.	870.	Cooling Pond	Caddo Lk
Lone Star 1	SW Elec Power Co	TX	O-G	50.	0.	Cooling Pond	Ellison Cr R
Lordsburg 2-4	Community Pub Ser	NM	O-G	42.	92.	Cooling Tower	Wells
Maddox 1	New Mexico Elec Ser	NM	GAS	100.	726.	Cooling Tower	Wells
Martin Lake	Texas Power-Light	TX	C-O	2380.	13369.	Cooling Pond	Martin Lake
Monticello 1-3	Texas Power-Light	TX	C-O	1980.	11055.	Once-Thru	Reservoir

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-22 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 22

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Moore County	SW Public Ser Co	TX	GAS	68.	383.	Cooling Tower	Wells
Mooreland 1-3	West Farmers Ele Cp	OK	O-G	335.	1023.	Cooling Tower	Wells
Muskogee 1-5	Oklahoma Gas-Elec	OK	COG	1318.	5027.	Combination	Arkansas Rvr
Mustang 1-4	Oklahoma Gas-Elec	OK	COG	509.	2634.	Cooling Tower	Municipal
N Lovington 1-2	Lea Co Elec Coop	NM	O-G	50.	211.	Cooling Tower	Wells
Nichols 1-3	SW Public Ser Co	TX	GAS	475.	2046.	Cooling Tower	Sewage Effln
Northeastern	Pub Ser Co of Okla	OK	COG	1115.	6919.	Cooling Tower	Lk Oologah
Osage 1-2	Oklahoma Gas-Elec	OK	C-G	25.	2.	Once-Thru	Arkansas Rvr
B-38 Plant X, 1-4	SW Public Ser Co	TX	O-G	434.	1413.	Cooling Tower	Wells
Plant 2	Lubbock	TX	O-G	80.	168.	Cooling Tower	Wells
Riverside 1-2	Pub Ser Co of Okla	OK	O-G	945.	5370.	Cooling Tower	Arkansas Rvr
Riverview 5	SW Public Ser Co	TX	GAS	35.	57.	Cooling Tower	Municipal
Seminole	Oklahoma Gas-Elec	OK	O-G	1701.	8023.	Cooling Pond	Canadian Rvr
Southwestern	Pub Ser Co of Okla	OK	O-G	483.	1798.	Cooling Tower	Ft Cobb Res
Tulsa 1-4	Pub Ser Co of Okla	OK	GAS	435.	1738.	Cooling Tower	Arkansas Rvr
Weleetka 1-3	Pub Ser Co of Okla	OK	GAS	83.	0.	Cooling Tower	N Canadian R
Welsh 1	SW Elec Power Co	TX	COAL	528.	4614.	Cooling Pond	
Wilkes 1-3	SW Elec Power Co	TX	O-G	879.	4276.	Combination	Johnson Cr R

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-23

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 23

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Bates, JL 1-2	Cen Power-Light	TX	O-G	189.	682.	Cooling Tower	Irrig Dist
Bertron, S 1-4	Houston Light-Power	TX	O-G	826.	3420.	Combination	Houston Channel
Big Brown 1-2	Texas Power-Light	TX	C-G	1187.	7253.	Once-Thru	Big Brown Cr
Braunig, V 1-3	San Antonio	TX	O-G	894.	1232.	Cooling Pond	Sewage Effln
Brownsville 4-6	Brownsville	TX	O-G	53.	151.	Cooling Tower	Municipal
Cedar Bayou 1-3	Houston Light-Power	TX	O-G	2295.	13073.	Combination	Cedar Bayou
Clarke, HO 1-4	Houston Light-Power	TX	O-G	210.	236.	Cooling Tower	Wells
Collin 1	Texas Power-Light	TX	O-G	153.	239.	Cooling Tower	Wells
Concho 3-4	West Texas Util Co	TX	O-G	53.	71.	Cooling Tower	Municipal
Dallas 3, 9	Dallas Power-Light	TX	O-G	154.	73.	Cooling Tower	Wells
Davis, BM 1-2	Cen Power-Light	TX	O-G	704.	3357.	Combination	Laguna Madre
Decker Crk 1-2	Austin	TX	O-G	788.	1283.	Once-Thru	Lk Decker
Decordova	Texas Power-Light	TX	O-G	799.	2634.	Once-Thru	Artificial Lk
Deely 1-2	San Antonio	TX	COG	894.	4633.	Once-Thru	San Antonio
Deepwater 1-8	Houston Light-Power	TX	GAS	354.	766.	Combination	Houston Channel
Denton 1-5	Denton	TX	O-G	193.	364.	Cooling Tower	Sewage Effln
Eagle Mtn 1-3	Texas Elec Ser Co	TX	GAS	706.	575.	Cooling Pond	Eagle Mtn Lk
Fayette 1	Lower Colo Rvr Auth	TX	C-O	600.	5305.	Cooling Pond	
Ferguson 1	Lower Colo Rvr Auth	TX	O-G	408.	1190.	Once-Thru	Lake
Ft Phantom 1-2	West Texas Util Co	TX	O-G	347.	2064.	Once-Thru	Lake
Gable St 6-7	Houston Light-Power	TX	GAS	53.	2.	Cooling Tower	Wells
Gideon 1-3	Lower Colo Rvr Auth	TX	O-G	565.	1199.	Cooling Pond	Colorado Rvr
Graham 1-2	Texas Elec Ser Co	TX	GAS	635.	2252.	Cooling Pond	Graham Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-23 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 23

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Greens Bayou	Houston Light-Power	TX	O-G	821.	2528.	Cooling Tower	Wells
Greenville 1-3	Greenville	TX	O-G	79.	244.	Once-Thru	Reservoir
Handley 1-5	Texas Elec Ser Co	TX	GAS	1434.	2788.	Cooling Pond	Lk Arlington
Hill, LC 1-4	Cen Power-Light	TX	O-G	445.	1685.	Cooling Tower	Municipal
Holly St 1-4	Austin	TX	O-G	628.	662.	Once-Thru	Colorado Rvr
Joslin, ES 1	Cen Power-Light	TX	O-G	261.	1096.	Once-Thru	Lavaca Bay
La Palma 3-6	Cen Power-Light	TX	O-G	211.	1195.	Cooling Tower	Municipal
Lake Crk 1-2	Texas Power-Light	TX	O-G	315.	86.	Cooling Pond	Brazos Rvr
Laredo 1-3	Cen Power-Light	TX	O-G	187.	606.	Cooling Tower	Rio Grande Rvr
Leon Creek 1-4	San Antonio	TX	O-G	264.	0.	Cooling Tower	Wells
Lk Hubbard 1-2	Dallas Power-Light	TX	O-G	928.	2541.	Once-Thru	Trinity Rvr
Miller 1-3	Brazos Elec Power	TX	O-G	405.	1782.	Once-Thru	Palo Pinto C
Mission Rd 1-3	San Antonio	TX	O-G	164.	0.	Cooling Tower	Wells
Morgan Crk 1-6	Texas Elec Ser Co	TX	GAS	827.	3176.	Cooling Pond	Lk Colorado
Mtn Crk 1-4,7-8	Dallas Power-Light	TX	O-G	959.	1010.	Once-Thru	Mtn Crk Lk
N Main	Texas Elec Ser Co	TX	GAS	81.	56.	Combination	Trinity Rvr
Neches 3-8	Gulf States Util Co	TX	O-G	455.	2423.	Combination	Neches Rvr
Neuces Bay 3-7	Cen Power-Light	TX	O-G	566.	1979.	Once-Thru	Ship Channel
Newman CE	Garland	TX	O-G	97.	29.	Cooling Tower	Municipal
North Lake 1-3	Dallas Power-Light	TX	O-G	709.	2092.	Cooling Pond	Elk Fk Trini
North Texas 1-3	Brazos Elec Power	TX	O-G	76.	100.	Once-Thru	Lk Weatherford
Oak Crk 1	West Texas Util Co	TX	O-G	75.	515.	Cooling Pond	Oak Crk Res
Olinger 1-3	Garland	TX	O-G	345.	1502.	Once-Thru	Lavon Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-23 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 23

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Paint Crk 1-4	West Texas Util Co	TX	O-G	242.	934.	Cooling Pond	Lk Stamford
Parish, Wa 1-6	Houston Power-Light	TX	COG	2723.	16217.	Combination	Dry Crk
Parkdale 1-3	Dallas Power-Light	TX	O-G	341.	300.	Cooling Tower	White Rock C
Pauline 1-2	West Texas Util Co	TX	O-G	40.	31.	Cooling Pond	Lk Pauline
Pearsall 1-3	Medina Elec Coop	TX	O-G	75.	184.	Cooling Tower	Wells
Permian Basin	Texas Elec Ser Co	TX	GAS	707.	2487.	Cooling Tower	Wells
Rayburn 3	S Texas Elec Coop	TX	O-G	28.	114.	Combination	Guadalupe Rvr
Rio Pecos	West Texas Util Co	TX	O-G	95.	607.	Cooling Tower	Wells
B-41 River Crest 1	Texas Power-Light	TX	O-G	110.	118.	Cooling Pond	Sulphur Rvr
Robinson 1-4	Houston Light-Power	TX	GAS	2315.	13193.	Combination	Dickinson Bay
San Angelo 2	West Texas Util Co	TX	O-G	108.	608.	Cooling Pond	Lk Nasworthy
Seaholm 5-9	Austin	TX	O-G	120.	33.	Once-Thru	Colorado Rvr
Sommers, OW 1-2	San Antonio	TX	O-G	893.	1983.	Cooling Pond	San Antonio
Stryker Crk 1-2	Texas Power-Light	TX	O-G	704.	2656.	Once-Thru	Stryker Cr R
Tradinghouse CR	Texas Power-Light	TX	O-G	1380.	4173.	Cooling Pond	Brazos Rvr
Trinidad 5-6	Texas Power-Light	TX	O-G	310.	404.	Cooling Pond	Trinity Rvr
Tuttle, WB 1-4	San Antonio	TX	O-G	494.	211.	Cooling Tower	Wells
Valley 1-3	Texas Power-Light	TX	O-G	1176.	2700.	Cooling Pond	Red Rvr
Victoria 3-6	Cen Power-Light	TX	O-G	554.	1592.	Coolign Tower	Guadalupe Rvr
Webster 1-3	Houston Light-Power	TX	O-G	614.	2184.	Combination	Clear Crk
Wharton, TH 1-4	Houston Light-Power	TX	O-G	323.	1329.	Cooling Tower	Wells
Wichita Falls	Texas Elec Ser Co	TX	O-G	25.		Cooling Tower	Lk Wichita

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-24

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 24

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Animas 1-4	Farmington	NM	GAS	32.	99.	Combination	Animas Rvr
Arapahoe 1-4	Pub Ser Co of Colo	CO	C-G	251.	1522.	Cooling Tower	Wells
Birdsall 1-3	Colorado Springs	CO	O-G	61.	20.	Cooling Tower	Municipal
Bluffs 2-4	Neb Pub Power Dist	NB	O-G	42.	70.	Cooling Tower	Wells
Cameo 1-2	Pub Ser Co of Colo	CO	C-G	75.	440.	Cooling Tower	Colorado Rvr
Cherokee 1-4	Pub Ser Co of Colo	CO	C-G	801.	3832.	Cooling Tower	S Platte Rvr
Comanche 1-2	Pub Ser Co of Colo	CO	COAL	779.	4316.	Cooling Tower	Arkansas Rvr
Drake 1-7	Colorado Springs	CO	COG	277.	1567.	Combination	Municipal
Four Corner 1-5	Arizona Public Ser	NM	C-G	2270.	13314.	Cooling Pond	San Juan Rvr
Ft St Vrain	Pub Ser Co of Colo	CO	HTGR	330.	676.	Cooling Tower	S Platte Rvr
Hayden 1-2	Colorado Ute Elec	CO	COAL	465.	2910.	Cooling Tower	Yampa Rvr
Jim Bridger 1-4	Pacific Power-Light	WY	COAL	2034.	9365.	Cooling Tower	Green Rvr
Johnston 1-4	Pacific Power-Light	WY	COAL	750.	4903.	Once-Thru	N Platte Rvr
Kirk 1-4	Black Hills P-L	SD	COAL	32.	121.	Cooling Tower	
Lamar 1-4	Lamar	CO	O-G	36.	75.	Once-Thru	Wells
Naughton 1-3	Utah Power-Light	WY	COAL	707.	4143.	Cooling Tower	Hams Fork
Nucila 1-3	Colorado Ute Elec	CO	COAL	35.	141.	Cooling Tower	San Miguel R
Osage 1-3	Black Hills P-L	WY	COAL	30.	219.	Cooling Tower	Wells
Pueblo 1-3	Cen Tele-Util	CO	O-G	30.	89.	Combination	Arkansas Rvr
San Juan 1-2	Pub Ser Co of N Mex	NM	C-O	652.	6143.	Cooling Tower	Artificial Lk
Valmont 1-5	Pub Ser Co of Colo	CO	C-G	282.	838.	Cooling Pond	Valmont Lk
Zuni 1-2	Pub Ser Co of Colo	CO	O-G	115.	505.	Combination	S Platte Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-25

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 25

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Bird, F	Montana Power Co	MT	OIL	69.	297.	Once-Thru	Yellowstone
Centralia 1-2	Pacific Power-Light	WA	COAL	1330.	7141.	Cooling Tower	Skookumchuck
Corette 1	Montana Power Co	MT	COAL	173.	991.	Once-Thru	Yellowstone
Hanford Generat	Wash Pub Pow Sup Sys	WA	PWR	860.	2042.	Once-Thru	Columbia Rvr
Lake Union	Seattle Depart Light	WA	OIL	40.	0.	Once-Thru	Lake Union
Shuffleton 1-2	Puget Sound P-L	WA	OIL	88.	84.	Once-Thru	Lake Washington
Trojan	Portland Gen Electr	ORE	PWR	1130.	6073.	Cooling Tower	Columbia Rvr
Weyco	Eugene Wtr-Elec	ORE	O-G	51.	160.	Once-Thru	

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-26
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 26

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Agua Fria 1-3	Salt Rvr Proj Power	AZ	O-G	391.	1265.	Cooling Tower	Irrig Canal
Apache 1,4	Ariz Elec Power Coop	AZ	COG	389.	1893.	Cooling Tower	Wells
Cholla 1-2	Arizona Public Ser	AZ	COAL	377.	3220.	Cooling Pond	Artificial Lk
Crosscut	Salt Rvr Proj Power	AZ	O-G	30.	0.	Cooling Tower	Canal
Demoss-Petrie	Tucson Gas-Elec	AZ	O-G	105.	82.	Cooling Tower	Wells
Irvington 1-4	Tuscon Gas-Elec	AZ	O-G	505.	1588.	Cooling Tower	Wells
Kyrene 1-2	Salt Rvr Proj Power	AZ	O-G	108.	80.	Combination	Canal
Navajo 1-3	Salt Rvr Proj Power	AZ	COAL	2410.	14293.	Cooling Tower	Lake Powell
Newman 1-3	El Paso Elec Serv Co	TX	O-G	285.	1168.	Cooling Tower	Rio Grande R
Newman 4	El Paso Elec Serv Co	TX	COMB	290.	967.	Cooling Tower	Wells
Ocotillo 1-2	Arizona Public Ser	AZ	O-G	227.	559.	Cooling Tower	Wells
Person 1-4	Pub Ser Co of N Mex	NM	O-G	114.	262.	Cooling Tower	Wells
Reeves 1-3	Pub Ser Co of N Mex	NM	O-G	175.	572.	Cooling Tower	Wells
Rio Grande 1-8	El Paso Elec Serv Co	NM	O-G	402.	1139.	Cooling Tower	Wells
Saguaro 1-2	Arizona Public Ser	AZ	O-G	250.	352.	Cooling Tower	Wells
Santan 1-4	Salt Rvr Proj Power	AZ	COMB	414.	9.	Cooling Tower	Wells
W Phoenix 4-6	Arizona Public Ser	AZ	OIL	116.	47.	Cooling Tower	Wells
W. Phoenix CC1-3	Arizona Public Ser	AZ	COMB	116.	47.	Cooling Tower	Wells
Yuma Axis	Arizona Public Ser	AZ	OIL	87.	244.	Cooling Tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-27

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 27

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Alamitos 1-6	So Cal Edison	CA	O-G	1982.	8359.	Once-Thru	Pacific Ocn
Broadway 1-3	Pasadena Wtr-Pwr	CA	O-G	161.	363.	Cooling Tower	Municipal
Clark 1-3	Nevada Power	NV	O-G	190.	892.	Cooling Tower	Wells
Coolwater 1-2	So Cal Edison	CA	O-G	146.	882.	Cooling Tower	Wells
El Centro 1-4	Imperial Irrigation	CA	O-G	189.	349.	Cooling Tower	Storage Basin
El Segundo 1-4	So Cal Edison	CA	O-G	997.	4199.	Once-Thru	Pacific Ocn
Encina 1-5	San Diego Gas-Elec	CA	O-G	957.	5519.	Once-Thru	Pacific Ocn
Etiwanda 1-4	So Cal Edison	CA	O-G	904.	4333.	Cooling Tower	California A
Gardner 1-3	Nevada Power	NV	C-O	340.	2044.	Cooling Tower	Wells
Glenarm 8-9	Pasadena Wtr-Pwr	CA	O-G	65.	2.	Cooling Tower	Municipal
Grayson 1-5	Glendale Pub Service	CA	O-G	163.	216.	Cooling Tower	Wells
Harbor 1-5	Los Angeles Wtr-Pwr	CA	O-G	388.	279.	Once-Thru	Pacific Ocn
Haynes 1-6	Los Angeles Wtr-Pwr	CA	O-G	1606.	5891.	Once-Thru	Pacific Ocn
Highgrove 1-4	So Cal Edison	CA	O-G	169.	34.	Cooling Tower	Wells
Huntington Beach	So Cal Edison	CA	O-G	870.	3474.	Once-Thru	Pacific Ocn
Long Bch 1-9	So Cal Edison	CA	COMB	587.	641.	Once-Thru	Pacific Ocn
Long Bch 10-11	So Cal Edison	CA	O-G	180.	15.	Once-Thru	Pacific Ocn
Magnolia 1-5	Burbank	CA	O-G	78.	92.	Cooling Tower	Wells
Mandalay 1-2	So Cal Edison	CA	O-G	430.	2358.	Once-Thru	Pacific Ocn
Mohave 1-2	So Cal Edison	NV	C-G	1636.	5987.	Cooling Tower	Colorado Rvr
Olive 1-2	Burbank Pub Service	CA	O-G	109.	417.	Cooling Tower	Wells
Ormond Bch 1-2	So Cal Edison	CA	O-G	1613.	6091.	Once-Thru	Pacific Ocn
Redondo Bch 1-8	So Cal Edison	CA	O-G	1579.	5942.	Once-Thru	Pacific Ocn

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-27 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 27

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
San Bernardino	So Cal Edison	CA	O-G	126.	649.	Cooling Tower	Wells
San Onofre 1	So Cal Edison	CA	PWR	432.	817.	Once-Thru	Pacific Ocn
Scattergood 1-3	Los Angeles Wtr-Pwr	CA	O-G	823.	2994.	Once-Thru	Pacific Ocn
Silver Gate 1-4	San Diego Gas-Elec	CA	O-G	247.	302.	Once-Thru	San Diego Bay
South Bay 1-4	San Diego Gas-Elec	CA	O-G	714.	3157.	Once-Thru	San Diego Bay
Station B	San Diego Gas-Elec	CA	O-G	93.	25.	Once-Thru	San Diego Bay
Sunrise 1	Nevada Power	NV	O-G	82.	562.	Cooling Tower	County Sewer
Valley 1-4	Los Angeles Wtr-Pwr	CA	O-G	546.	1024.	Cooling Tower	Municipal

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-28

STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 28

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Avon	Pacific Gas-Elec	CA	O-G	40.	275.	Cooling Tower	Suisun Bay
Contra Costa	Pacific Gas-Elec	CA	O-G	1260.	4650.	Once-Thru	San Joaquin
Ft Churchill	Sierra Pacific Pow	NV	O-G	210.	1235.	Cooling Pond	Wells
Geysers 1-12	Pacific Gas-Elec	CA	GEOT	1005.	5073.	Cooling Tower	Wells
Humboldt 1-2	Pacific Gas-Elec	CA	O-G	105.	384.	Once-Thru	Pacific Ocn
Hunters Pt 2-4	Pacific Gas-Elec	CA	O-G	356.	1775.	Once-Thru	San Fran. Bay
Kern 1-2	Pacific Gas-Elec	CA	O-G	180.	531.	Cooling Tower	Deep Wells
Martinez	Pacific Gas-Elec	CA	O-G	46.	299.	Cooling Tower	Canal
B-47 Morro Bay 1-4	Pacific Gas-Elec	CA	O-G	1056.	4692.	Once-Thru	Pacific Ocn
Moss Ldg 1-7	Pacific Gas-Elec	CA	O-G	2152.	8402.	Once-Thru	Pacific Ocn
Oleum 1-2	Pacific Gas-Elec	CA	O-G	80.	220.	Once-Thru	San Pablo Ba
Pittsburg 1-7	Pacific Gas-Elec	CA	O-G	2029.	6820.	Once-Thru	Suisun Bay
Potrero 1-3	Pacific Gas-Elec	CA	O-G	318.	983.	Once-Thru	San Fran. Bay
Rancho Seco	Sacramento Municipal	CA	PWR	918.	4415.	Cooling Tower	Folsom S. Can
Tracy 1-3	Sierra Pacific Pow	NV	O-G	243.	714.	Combination	Truckee Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE B-29
STEAM-ELECTRIC POWER PLANTS
BY ELECTRIC REGIONS

REGION 30

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Carbon 1-2	Utah Power-Light	UT	COAL	189.	686.	Cooling Tower	Price Rvr
Emery	Utah Power-Light	UT	COAL	446.	4113.	Cooling Tower	
Gadsby 1-3	Utah Power-Light	UT	COG	252.	1079.	Cooling Tower	Jordan Rvr
Hale 1-2	Utah Power-Light	UT	C-G	59.	182.	Once-Thru	Provo Rvr
Huntington 1-2	Utah Power-Light	UT	C-O	893.	5153.	Cooling Tower	Huntington Crk
Jordan	Utah Power-Light	UT	OIL	25.	0.	Once-Thru	Jordan Rvr

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

APPENDIX C

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

TABLE C-1

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 01 - NEW ENGLAND

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Brayton PT 1-4	New England Power	MA	C-O	1600.	8375.	Once-Thru	Taunton Rvr
Bridgeport Har	United Illum Co	CT	C-O	661.	2869.	Once-thru	Bridgeport Har
Canal 1-2	Canal Electric Co	MA	OIL	1073.	6477.	Once-Thru	Cape Cod Bay
Cannon ST 1-2	New Bedford Gas	MA	O-G	63.	106.	Once-Thru	Acushnet Rvr
Cleary 8	Taunton Mun Light	MA	OIL	28.	61.	Once-Thru	Taunton Rvr
Cleary 9	Taunton Mun Light	MA	OIL	110.	253.	Cooling Tower	Municipal
Devon	Conn Light and Power	CT	OIL	429.	1448.	Once-Thru	Housatonic Rvr
English 4-8	United Illum Co	CT	OIL	146.	31.	Once-Thru	Long Is Sound
Graham 3-5	Bangor Hydro-Elec-Light	ME	OIL	58.	84.	Once-Thru	Penobscot Rvr
Haddam Neck	Conn Yankee Atomic	CT	PWR	600.	3563.	Once-Thru	Connecticut
Kendall 1-3	Cambridge Elec-Light	MA	O-G	68.	180.	Once-Thru	Charles Rvr
L Street	Boston Edison Co	MA	OIL	30.	15.	Once-Thru	Boston Bay
Maine Yankee	Maine Yankee Atomic	ME	PWR	825.	4404.	Once-Thru	Montsweag Bay
Manchester St	Narragansett Elec	RI	O-G	132.	480.	Once-Thru	Narragansett
Mason 1-5	Cen Maine Power Co	ME	OIL	147.	149.	Once-Thru	Sheepscot Bay
Merrimack 1-2	Pub Ser Co of NH	NH	C-O	459.	2734.	Combination	Merrimack Rvr
Middletown 1-4	Hartford Elec Light	CT	C-O	837.	2893.	Once-Thru	Connecticut
Millstone-1	Conn Light and Power	CT	BWR	660.	4404.	Once-Thru	Niantic Bay
Millstone-2	Conn Light and Power	CT	PWR	909.	4882.	Once-Thru	Niantic Bay
Montville	Conn Light and Power	CT	OIL	490.	1306.	Once-Thru	Thames Rvr
Mt Tom	Holyoke Water Power	MA	C-O	136.	964.	Once-Thru	Connecticut
Mystic No 200	Boston Edison Co	MA	OIL	469.		Combination	Boston Bay
Mystic No 7	Boston Edison Co	MA	OIL	617.		Combination	Boston Bay

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-1 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 01 - NEW ENGLAND

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
New Boston 1-2	Boston Edison Co	MA	OIL	717.	4407.	Once-Thru	Boston Bay
New Haven Har	United Illum Co	CT	OIL	465.	2037.	Once-Thru	New Haven Har
Newington	Pub Ser Co of NH	NH	OIL	414.	1739.	Once-Thru	Piscataqua Rvr
Norwalk Har 1-2	Conn Light and Power	CT	OIL	326.	1938.	Once-Thru	Long Is Sound
Pilgrim 1	Boston Edison Co	MA	PWR	655.	3045.	Once-Thru	Cape Cod Bay
Potter Sta 2	Braintree	MA	COMB	90.	102.	Once-Thru	
Salem Har 1-4	New England Power	MA	C-O	805.	3316.	Once-Thru	Atlantic Ocn
Schiller 3-6	Pub Ser Co of NH	NH	OIL	180.	601.	Once-Thru	Piscataqua Rvr
Somerset 1-6	Montaup Electric Co	MA	OIL	290.	1038.	Once-Thru	Taunton Rvr
South St 1,8,12	Narragansett Elec	RI	OIL	110.	471.	Once-Thru	Narragansett
Steel Pt 11-1	United Illum Co	CT	OIL	155.	15.	Once-Thru	Bridgeport Har
Ver. Yankee	Ver Yankee Nuc Corp	VT	BWR	514.	2979.	Cooling Tower	Connecticut
W Springfield	Western Mass Elec	MA	OIL	210.	1077.	Once-Thru	Connecticut
W Water St 4-7	Taunton Mun Light	MA	OIL	42.		Once-Thru	Taunton Rvr
WF Wyman	Cen Maine Power Co	ME	OIL	846.	1786.	Once-Thru	Casco Bay
Yankee-Rowe	Yankee Atomic Elec	MA	PWR	175.	292.	Once-Thru	Deerfield Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-2

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 02 - MIDDLE ATLANTIC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Albany 1-4	Niagara-Mohawk Power	NY	OIL	400.	2130.	Once-Thru	Hudson Rvr
Arthur Kill 2-3	Con Edison	NY	OIL	912.	2258.	Once-Thru	Arthur Kill
Astoria 1-5	Con Edison	NY	O-G	1551.	3845.	Once-Thru	East Rvr
Barbadoes 3-4	Philadelphia Elec Co	PA	O-G	134.		Once-Thru	Schuylkill Rvr
Barrett 1-2	Long Island Lighting	NY	O-G	380.	1806.	Once-Thru	Hog Is Channel
Benning 11-16	Potomac Electric	MD	OIL	630.	552.	Combination	Anacostia Rvr
Bergen 1-2	Pub Ser Elec-Gas	NJ	O-G	650.	2016.	Once-Thru	Passaic Rvr
Bowline Pt 1-2	Orange-Rockland Util	NY	O-G	1242.	3756.	Once-Thru	Hudson Rvr
Bremo Bluff 3-4	Virginia Elec Power	VA	COAL	254.	1322.	Once-Thru	James Rvr
Brunner Is 1-3	Penn Power-Light	PA	COAL	1559.	9348.	Once-Thru	Susquehanna
Burlington-NJ	Pub Ser Elec-Gas	NJ	OIL	455.	519.	Once-Thru	Delaware Rvr
Buzzard Pt 2-6	Potomac Electric	MD	OIL	222.	123.	Once-Thru	Anacostia Rvr
Cal. Cliffs 1	Baltimore Gas-Elect	MD	PWR	845.	4534.	Once-Thru	Chesapeake Bay
Cal. Cliffs 2	Baltimore Gas-Elect	MD	PWR	845.	6413.	Once-Thru	Chesapeake Bay
Chalk Point 1-3	Potomac Electric	MD	C-O	1387.	3792.	Once-Thru	Patuxent Rvr
Chester 5-6	Philadelphia Elec Co	PA	O-G	130.	21.	Once-Thru	Delaware Rvr
Chesterfield	Virginia Elec Power	VA	C-O	1486.	3191.	Once-Thru	James Rvr
Crane 1-2	Baltimore Gas-Elect	MD	C-O	400.	1273.	Once-Thru	Seneca Crk
Cromby 1-2	Philadelphia Elec Co	PA	C-O	418.	1618.	Once-Thru	Schuylkill Rvr
Danskammer 1-4	Cen Hudson Gas-Elec	NY	OIL	532.	1751.	Once-Thru	Hudson Rvr
Deepwater 1,3-7	Atlantic City Elec	NJ	C-O	306.	1125.	Once-Thru	Delaware Rvr
Delaware City	Delmarva Power-Light	DE	OIL	130.	524.	Once-Thru	Delaware Rvr
Delaware 7-8	Philadelphia Elec Co	PA	OIL	313.	586.	Once-Thru	Delaware Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-2 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 02 - MIDDLE ATLANTIC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Dickerson 1-3	Potomac Electric	MD	COAL	587.	2915.	Once-Thru	Potomac Rvr
Down 1-5	Vineland	NJ	COG	76.	289.	Cooling Tower	Wells
East River 5-7	Con Edison	NY	O-G	513.	1354.	Once-Thru	East Rvr
Eddystone 1-4	Philadelphia Elec Co	PA	C-O	1489.	3216.	Once-Thru	Delaware Rvr
Edge Moor 1-5	Delmarva Power-Light	DE	O-G	836.	3393.	Once-Thru	Delaware Rvr
England 1-3	Atlantic City Elec	NJ	C-O	476.	2282.	Once-Thru	Gr Egg Harbor
Far Rockaway 4	Long Island Lighting	NY	O-G	114.	26.	Once-Thru	Bayswater Ch
Gilbert 1-3	Jersey Cen Power-LI	NJ	O-G	126.	357.	Once-Thru	Delaware Rvr
Glenwood 4-5	Long Island Lighting	NY	O-G	228.	485.	Once-Thru	Long Is Sound
Goudey 5-8	NY State Elec-Gas	NY	COAL	104.	777.	Once-Thru	Susquehanna
Gould St 3	Baltimore Gas-Elect	MD	C-O	104.	225.	Once-Thru	Patapsco Rvr
Hickling 1-2	NY State Elec-Gas	NY	COAL	70.	439.	Once-Thru	Chemung Rvr
Holtwood 1	Penn Power-Light	PA	COAL	75.	436.	Once-Thru	Susquehanna
Hudson Avenue	Con Edison	NY	OIL	605.	46.	Once-Thru	East Rvr
Hudson 1-2	Pub Ser Elec-Gas	NJ	COG	1115.	4235.	Once-Thru	Hackensack
Hunlock Crk 3	United Gas Improveme	PA	COAL	46.	305.	Once-Thru	
Indian Point 1	Con Edison	NY	PWR	265.	0	Once-Thru	Hudson Rvr
Indian Point 2	Con Edison	NY	PWR	873.	4264.	Once-Thru	Hudson Rvr
Indian Point 3	Power Auth of NY	NY	PWR	965.	3071.	Once-Thru	Hudson Rvr
Indian Rvr 1-4	Delmarva Power-Light	DE	COAL	786.	2225.	Once-Thru	Indian Rvr
Jennison 1-2	NY State Elec-Gas	NY	COAL	68.	438.	Once-Thru	Susquehanna
Kearny 7-8	Pub Ser Elec-Gas	NJ	OIL	314.	652.	Once-Thru	Hackensack
Linden 1,2,4	Pub Ser Elec-Gas	NJ	OIL	613.	1551.	Once-Thru	Arthur Kill

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-2 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 02 - MIDDLE ATLANTIC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Lovett 1-5	Orange-Rockland Util	NY	COG	495.	1779.	Once-Thru	Hudson Rvr
Martins Crk 1-4	Penn Power-Light	PA	C-O	2014.	7405.	Once-Thru	Delaware Rvr
McKee Run 1-3	Dover	DE	O-G	172.	496.	Cooling Tower	Municipal
Mercer 1-2	Pub Ser Elec-Gas	NJ	C-G	653.	2843.	Once-Thru	Delaware Rvr
Milesburg 1-2	West Penn Power Co	PA	OIL	46.	1.	Once-Thru	Spring Crk
Montour 1-2	Penn Power-Light	PA	COAL	1642.	10117.	Cooling Tower	Susquehanna
Moran 1-3	Burlington	VT	C-G	30.	81.	Cooling Tower	Municipal
Morgantown 1-2	Potomac Electric	MD	C-O	1251.	6702.	Once-Thru	Potomac Rvr
Mt Storm 1-3	Virginia Elec Power	WV	COAL	1663.	5656.	Combination	Stony Rvr
North Anna 1	Virginia Elec Power	VA	PWR	907.	5632.	Once-Thru	Lake Anna
Northport 1-4	Long Island Lighting	NY	OIL	1548.	6892.	Once-Thru	Long Is Sound
Oyster Creek	Jersey Cen Power-Li	NJ	BWR	650.	1958.	Once-Thru	Barnegat Bay
Peach Bottom 2	Philadelphia Elec Co	PA	BWR	1065.	4344.	Combination	Susquehanna
Peach Bottom 3	Philadelphia Elec Co	PA	BWR	1065.	7234.	Combination	Susquehanna
Port Jefferson	Long Island Lighting	NY	OIL	467.	1954.	Once-Thru	Long Is Sound
Portland 1-2	Metropolitan Edison	PA	COAL	427.	1813.	Once-Thru	Delaware Rvr
Possum Pt 1-5	Virginia Elec Power	VA	C-O	1373.	3711.	Combination	Potomac Rvr
Potomac Rvr 1-5	Potomac Electric	VA	C-O	515.	2764.	Once-Thru	Potomac Rvr
Ravenswood 1-3	Con Edison	NY	COG	1827.	6133.	Once-Thru	East Rvr
Richmond 9,12	Philadelphia Elec Co	PA	OIL	355.	176.	Once-Thru	Delaware Rvr
Riverside 1	Baltimore Gas-Elect	MD	C-O	334.	370.	Once-Thru	Patapsco Rvr
Riverton 1	Potomac Edison Co	VA	OIL	35.	1.	Once-Thru	Shenandoah Rvr
Roseton 1-2	Cen Hudson Gas-Elec	NY	OIL	1242.	5492.	Once-Thru	Hudson Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-2 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 02 - MIDDLE ATLANTIC

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Salem 1	Pub Ser Elec Gas	NJ	PWR	1090.	5685.	Once-Thru	Delaware Rvr
Sayreville 1-5	Jersey Cen Power-Li	NJ	O-G	347.	1051.	Once-Thru	Raritan Rvr
Schuylkill	Philadelphia Elec Co	PA	OIL	275.	608.	Once-Thru	Schuylkill Rvr
Sewaren 1-5	Pub Ser Elec-Gas	NJ	O-G	820.	2283.	Once-Thru	Arthur Kill
Shawville 1-4	Penn Electric Co	PA	COAL	628.	3718.	Combination	Susquehanna
Smith 3-4	Potomac Edison Co	MD	COAL	109.	673.	Once-Thru	Potomac Rvr
Southwark 1-2	Philadelphia Elec Co	PA	OIL	345.	325.	Once-Thru	Delaware Rvr
Sunbury 1-4	Penn Power-Light	PA	COAL	410.	2470.	Once-Thru	Susquehanna
Titus 1-3	Metropolitan Edison	PA	COAL	225.	1476.	Once-Thru	Schuylkill Rvr
Vienna 5-8	Delmarva Power-Light	MD	OIL	230.	438.	Combination	Nanticoke Rvr
Wagner 1-4	Baltimore Gas-Elect	Md	C-O	1043.	2811.	Once-Thru	Patapsco Rvr
Waterside - NY	Con Edison	NY	O-G	532.	1016.	Once-Thru	East Rvr
Werner 4	Jersey Cen Power-Li	NJ	OIL	60.	153.	Once-Thru	Raritan Rvr
Westport 1	Baltimore Gas-Elect	MD	C-O	194.	141.	Once-Thru	Patapsco Rvr
Williamsburg	Penn Electric Co	PA	COAL	25.	228.	Combination	Juniata Rvr
Yorktown 1-3	Virginia Elec Power	VA	C-O	1257.	3144.	Once-Thru	York Rvr
3 Mile Island 1	Metropolitan Edison	PA	PWR	819.	0	Cooling Tower	Subquehanna
3 Mile Island 2	Metropolitan Edison	PA	PWR	906.	0	Cooling Tower	Subquehanna
59th Street	Con Edison	NY	OIL	114.	356.	Once-Thru	Hudson Rvr
74th St 3,9-11	Con Edison	NY	OIL	209.	142.	Once-Thru	East Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-3

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 03 - SOUTH-ATLANTIC-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Allen 1-5	Duke Power Co	NC	COAL	1155.	5604.	Once-Thru	Catawba Rvr
Anclote 1-2	Florida Power Corp	FL	OIL	1112.	5012.	Once-Thru	Gulf of Mex
Arkwright 1-4	Georgia Power Co	GA	COAL	191.	605.	Once-Thru	Ocmulgee Rvr
Atkinson 1-4	Georgia Power Co	GA	OIL	258.	122.	Once-Thru	Chattahoochee
Avon Park 2	Florida Power Corp	FL	O-G	46.	221.	Once-Thru	Lake Lotella
Barry 1-5	Alabama Power Co	AL	COAL	1771.	6780.	Once-Thru	Mobile Rvr
Bartow, P1 1-3	Florida Power Corp	FL	O-G	494.	2119.	Once-Thru	Tampa Bay
Belews Crk 1-2	Duke Power Co	NC	COAL	2160.	13128.	Cooling Pond	Belews Crk
Big Bend 1-3	Tampa Electric Co	FL	COAL	1337.	6440.	Once-Thru	Tampa Bay
Bowen 1-4	Georgia Power Co	GA	COAL	3499.	17680.	Cooling Tower	Etowah Rvr
Branch, H 1-4	Georgia Power Co	GA	COAL	1746.	5611.	Once-Thru	Lake Sinclair
Brunswick 1	Carolina Power-Light	NC	BWR	821.	3940.	Once-Thru	Cape Fear Rvr
Brunswick 2	Carolina Power-Light	NC	BWR	821.	1865.	Once-Thru	Cape Fear Rvr
Buck 3-6	Duke Power Co	NC	COAL	364.	1426.	Once-Thru	Yadkin Rvr
Buck C	Duke Power Co	NC	COMB	93.	21.	Once-Thru	Yadkin Rvr
Canadys 1-3	S Carolina Elec-Gas	SC	C-G	490.	2424.	Combination	Edisto Rvr
Cape Fear	Carolina Power-Light	NC	COAL	382.	1563.	Cooling Tower	Cape Fear Rvr
Cape Kennedy	Florida Power-Light	FL	O-G	804.	4581.	Once-Thru	Indian Rvr
Chickasaw 1-3	Alabama Power Co	AL	O-G	46.	0.	Once-Thru	Mobile Rvr
Cliffside 1-5	Duke Power Co	NC	COAL	781.	4040.	Combination	Broad Rvr
Crist 1-7	Gulf Power Co	FL	COG	1229.	3762.	Combination	Escambia Rvr
Crystal Rvr 1-2	Florida Power Corp	FL	COAL	964.	4485.	Once-Thru	Gulf of Mex
Crystal Rvr 3	Florida Power Corp	FL	PWR	825.	3297.	Once-Thru	Gulf of Mex

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-3 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 03 - SOUTH-ATLANTIC-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Dan River 1-3	Duke Power Co	NC	COAL	284.	1122.	Once-Thru	Dan Rvr
Deerhaven 1	Gainesville	FL	OIL	81.	585.	Cooling Tower	Wells
Eaton 1-3	Miss Power Co	MS	O-G	75.	1.	Once-Thru	Leaf Rvr
Farley 1	Alabama Power Co	AL	PWR	829.	4604.	Combination	Chattahoochee
Fort Meyers 1-2	Florida Power-Light	FL	OIL	558.	3272.	Once-Thru	Caloosahatch
Gadsden 1-2	Alabama Power Co	AL	C-G	120.	751.	Once-Thru	Coosa Rvr
Gannon, 1-6	Tampa Electric Co	FL	C-O	1270.	5156.	Once-Thru	Tampa Bay
Gaston 1-5	Alabama Power Co	AL	COAL	2013.	12053.	Once-Thru	Coosa Rvr
Gorgas 5-10	Alabama Power Co	AL	COAL	1485.	6700.	Once-Thru	Black Warrior
Grainger 1-2	S Carolina Pub Ser	SC	C-O	163.	888.	Combination	Waccamaw Rvr
Greene Co 1-2	Alabama Power Co	AL	COAL	569.	1984.	Once-Thru	Black Warrior
Hagood 1-3	S Carolina Elec-Gas	SC	O-G	98.	59.	Once-Thru	Ashley Rvr
Hammond 1-4	Georgia Power Co	GA	COAL	959.	3350.	Once-Thru	Coosa Rvr
Hatch 1	Georgia Power Co	GA	BWR	786.	4791.	Cooling Tower	Altamaha Rvr
Hatch 2	Georgia Power Co	GA	BWR	784.	3645.	Cooling Tower	Altamaha Rvr
Higgins 1-3	Florida Power Corp	FL	O-G	138.	537.	Once-Thru	Tampa Bay
Hookers Pt 1-5	Tampa Electric Co	FL	OIL	233.	390.	Once-Thru	Tampa Bay
Hopkins	Tallahassee	FL	O-G	313.	1226.	Cooling Tower	Wells
Indian Rvr 1-3	Orlando	FL	O-G	637.	2582.	Once-Thru	Indian Rvr
J. H. Miller	Alabama Power Co	AL	COAL	706.	1911.	Cooling Tower	Black Warrior
Jefferies 1-4	S. Carolina Pub Ser	SC	C-O	446.	1758.	Once-Thru	Cooper Rvr
Kelly 6-8	Gainesville	FL	O-G	94.	243.	Cooling Tower	Municipal
Kennedy 8-10	Jacksonville	FL	OIL	250.	954.	Once-Thru	St Johns Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-3 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 03 - SOUTH-ATLANTIC-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Key West 1-6	Key West	FL	OIL	73.	117.	Once-Thru	Wells
Larsen 4-7	Lakeland	FL	O-G	117.	552.	Once-Thru	Lake Parker
Lauderdale 4-5	Florida Power-Light	FL	O-G	313.	934.	Once-Thru	Dania Canal
Lee 1-3	Duke Power Co	SC	COAL	323.	1678.	Combination	Saluda Rvr
Lee, HF 1-3	Carolina Power-Light	NC	COAL	407.	1968.	Cooling Pond	Neuse Rvr
Lk Highland 1-3	Orlando	FL	O-G	90.	220.	Once-Thru	Springs
Manatee 1-2	Florida Power-Light	FL	COG	1727.	5881.	Cooling Pond	
Marshall 1-4	Duke Power Co	NC	COAL	2025.	11820.	Once-Thru	Catawba Rvr
McDonough 1-2	Georgia Power Co	GA	COAL	598.	1968.	Once-Thru	Chattahoochee
Mcintosh 1-2	Lakeland	FL	COG	205.	823.	Combination	Lake Parker
McManus 1-2	Georgia Power Co	GA	OIL	131.	29.	Once-Thru	Turtle Rvr
McMeekin 1-2	S Carolina Elec-Gas	SC	C-G	294.	1934.	Once-Thru	Lake Murry
McWilliams 1-3	Alabama Elec Corp	AL	C-G	40.	13.	Once-Thru	Conecuh Rvr
Mitchell	Georgia Power Co	GA	COAL	171.	1109.	Once-Thru	Flint Rvr
Moselle 1-3	S Miss Ele Pwr Assn	MS	O-G	177.	257.	Cooling Tower	Wells
Northside 1-3	Jacksonville	FL	OIL	1159.	2985.	Once-Thru	St Johns Rvr
Oconee 1	Duke Power Co	SC	PWR	887.	512.	Once-Thru	Lake Keowee
Oconee 2	Duke Power Co	SC	PWR	887.	3879.	Once-Thru	Lake Keowee
Oconee 3	Duke Power Co	SC	PWR	887.	5218.	Once-Thru	Lake Keowee
Port Wentworth	Savannah Elec Power	GA	O-G	334.	1575.	Once-Thru	Savannah Rvr
Portsmouth 1-4	Virginia Elec Power	VA	COG	650.	1816.	Once-Thru	Elizabeth Rvr
Pt Everglades 1	Florida Power-Light	FL	O-G	1255.	5658.	Once-Thru	Lake Marble
Purdum 1-7	Tallahassee	FL	O-G	130.	303.	Once-Thru	St Marks Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-3 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 03 - SOUTH-ATLANTIC-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Rex Brown 1-4	Miss Power-Light	MS	O-G	383.	2234.	Combination	Pearl Rvr
Riverbend 4-7	Duke Power Co	NC	COAL	466.	2193.	Once-Thru	Catawba Rvr
Riverbend C	Duke Power Co	NC	COMB	120.	27.	Once-Thru	Catawba Rvr
Riverside 6-8	Savannah Elec-Power	GA	O-G	80.	14.	Once-Thru	Savannah Rvr
Riviera 3-4	Florida Power-Light	FL	O-G	740.	3233.	Once-Thru	Lake Worth
Robinson, HB 1	Carolina Power-Light	SC	COAL	207.	1006.	Cooling Pond	Black Crk
Robinson, HB 2	Carolina Power-Light	SC	PWR	700.	3211.	Cooling Pond	Black Crk
Roxboro 1-3	Carolina Power-Light	NC	COAL	1813.	12080.	Cooling Pond	Hyc0 Rvr
Sanford 3-5	Florida Power-Light	FL	O-G	1028.	3349.	Once-Thru	St Johns Rvr
Scholtz 1-2	Gulf Power Co	FL	C-G	96.	317.	Once-Thru	Apalachicola
Smith, L 1-2	Gulf Power Co	FL	COAL	345.	2065.	Once-Thru	North Bay
Smith, T	Lake Worth	FL	O-G	74.	116.	Cooling Tower	Municipal
Southside 1-5	Jacksonville	FL	OIL	357.	1326.	Once-Thru	St Johns Rvr
St. Lucie 1	Florida Power-Light	FL	PWR	777.	5200.	Once-Thru	Atlantic Ocn
Surry 1	Virginia Elec-Power	VA	PWR	822.	2473.	Once-Thru	James Rvr
Surry 2	Virginia Elec-Power	VA	PWR	822.	2242.	Once-Thru	James Rvr
Sutton, LV 1-3	Carolina Power-Light	NC	C-O	672.	2619.	Cooling Pond	Cape Fear Rvr
Suwannee 1-3	Florida Power Corp	FL	O-G	147.	741.	Once-Thru	Suwannee Rvr
Sweatt 1-2	Miss Power Co	MS	O-G	93.	85.	Cooling Tower	Wells
Tombigbee 1-2	Alabama Elec Corp	AL	COAL	545.	1196.	Once-Thru	Tobigbee Rv
Turkey Pt 1-2	Florida Power-Light	FL	O-G	804.	3711.	Cooling Pond	Biscayne Bay
Turkey Pt 3	Florida Power-Light	FL	PWR	666.	4387.	Cooling Pond	Biscayne Bay
Turkey Pt 4	Florida Power-Light	FL	PWR	666.	3854.	Cooling Pond	Biscayne Bay

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-3 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 03 - SOUTH-ATLANTIC-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Turner, GE 3-4	Florida Power Corp	FL	O-G	160.	593.	Once-Thru	Lake Monroe
Urquhart 1-3	S Carolina Elec-Gas	SC	C-G	250.	1617.	Once-Thru	Savannah Rvr
Vero Beach 1-4	Vero Beach Mun Util	FL	O-G	117.	390.	Once-Thru	Indian Rvr
VJ Daniel 1	Miss Power Co	MS	C-O	548.	2116.	Cooling Pond	Pascagoula Rvr
Wansley 1-2	Georgia Power Co	GA	COAL	1904.	11730.	Cooling Tower	Chattahoochee
Wateree 1-2	S Carolina Elec-Gas	SC	C-O	772.	4016.	Combination	Wateree Rvr
Watson 1-5	Miss Power Co	MS	COG	1174.	3493.	Once-Thru	Biloxi Rvr
Weatherspoon	Carolina Power-Light	NC	C-G	166.	577.	Cooling Pond	Lumber Rvr
Williams 1	S Carolina Elec-Gas	SC	OIL	632.	1252.	Cooling Tower	Back Rvr
Winyah 1-2	S Carolina Pub Ser	SC	COAL	630.	4484.	Cooling Pond	Santee Rvr
Yates 1-7	Georgia Power Co	GA	COAL	1488.	6396.	Once-Thru	Chattahoochee

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-4

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 04 - GREAT LAKES

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Acme 1-5	Toledo Edison Co	OH	C-O	307.	634.	Once-Thru	Maumee Rvr
Advance 1-3	No Mich Elec Corp	MI	COAL	40.	243.	Once-Thru	Lake Charlev
Ashtabula 1-9	Cleveland Elec Ill	OH	C-O	640.	2160.	Once-Thru	Lake Erie
Avon Lake 1-9	Cleveland Elec Ill	OH	C-O	1275.	3994.	Once-Thru	Lake Erie
Bailly 7-8	No Ind Pub Ser Co	IN	C-G	616.	1518.	Combination	Lake Michigan
Bay Front 1-6	Lk Superior Dist Pow	WI	C-G	82.	184.	Once-Thru	Lake Superior
Bayshore 1-4	Toledo Edison Co	OH	COAL	640.	4013.	Once-Thru	Maumee Bay
Beebee	Rochester Gas-Elec	NY	C-O	205.	617.	Once-Thru	Genesee Rvr
Big Rock Pt	Consumers Power Co	MI	BWR	72.	405.	Once-Thru	Lake Michigan
Campbell 1-3	Consumers Power Co	MI	COAL	835.	4365.	Once-Thru	Lake Michigan
Cobb 1-5	Consumers Power Co	MI	COAL	511.	2510.	Once-Thru	Muskegon Lk
Columbia 1-2	Wisconsin Pow-Light	WI	COAL	1112.	5791.	Once-Thru	Wisconsin Rvr
Commerce St	Wisconsin Elec Power	WI	O-G	35.	72.	Once-Thru	Wilwaukee Rvr
Conners Crk	Detroit Edison Co	MI	COG	540.	696.	Once-Thru	Detroit Rvr
Cook 1	Indiana-Mich Elec	MI	PWR	1054.	6462.	Once-Thru	Lake Michigan
Cook 2	Indiana-Mich Elec	MI	PWR	1100.	6692.	Once-Thru	Lake Michigan
Davis-Besse 1	Toledo Edison Co	OH	PWR	906.	2094.	Cooling Tower	Lake Erie
De Young	Holland	MI	C-G	78.	253.	Once-Thru	Black Rvr
Delray 11-16	Detroit Edison Co	MI	O-G	375.	142.	Once-Thru	Detroit Rvr
Dunkirk 1-4	Niagara-Mohawk Power	NY	COAL	628.	3163.	Once-Thru	Lake Erie
Eastlake 1-5	Cleveland Elec Ill	OH	COAL	1257.	6301.	Once-Thru	Lake Erie
Eckert 1-6	Lansing	MI	COAL	386.	1375.	Combination	Grand Rvr
Edgewater 1-4	Wisconsin Pow-Light	WI	COAL	477.	2238.	Once-Thru	Lake Michigan

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-4 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 04 - GREAT LAKES

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Edgewater 2-4	Ohio Edison Co	OH	COAL	193.	845.	Once-Thru	Lake Erie
Erickson 1	Lansing	MI	COAL	165.	850.	Cooling Tower	Grand Rvr
Escanaba 1-2	Upper Peninsula Gen	MI	COAL	29.	101.	Once-Thru	Lake Michigan
Fermi 1	Detroit Edison Co	MI	OIL	158.	6.	Once-Thru	Lake Erie
Fitzpatrick	Power Auth of NY	NY	BWR	821.	4335.	Once-Thru	Lake Ontario
Front St 1-5	Penn Electric Co	PA	COAL	119.	504.	Once-Thru	Lake Erie
Ginna	Rochester Gas-Elec	NY	PWR	470.	3094.	Once-Thru	Lake Ontario
Gorge 6-7	Ohio Edison Co	OH	COAL	88.	437.	Once-Thru	Cuyahoga Rvr
Greenidge 1-4	NY State Elec-Gas	NY	COAL	170.	1281.	Once-Thru	Seneca Lake
Harbor Beach 1	Detroit Edison Co	MI	COAL	121.	344.	Once-Thru	Lake Huron
Hibbard 1-4	Minn Power-Light	MN	O-G	126.	125.	Once-Thru	St Louis Rvr
Huntley 63-68	Niagara-Mohawk Power	NY	COAL	828.	4050.	Once-Thru	Niagara Rvr
Karn, De 1-4	Consumers Power Co	MI	C-O	1767.	6064.	Once-Thru	Saginaw Rvr
Kewaunee	Wisconsin Pow-Light	WI	PWR	535.	3632.	Once-Thru	Lake Michigan
Lake Road 8-11	Cleveland	OH	COAL	160.	0	Once-Thru	Lake Erie
Lakeside 1-12	Wisconsin Elec Pow	WI	OIL	311.	342.	Once-Thru	Lake Michigan
Laskin 1-2	Minn Power-Light	MN	COAL	110.	252.	Once-Thru	Colby Lk
Lk Shore 14-18	Cleveland Elec Ill	OH	C-O	514.	1340.	Once-Thru	Lake Erie
Manitowoc	Manitowoc	WI	COAL	69.	70.	Once-Thru	Lake Michigan
Marysville 6-8	Detroit Edison Co	MI	COAL	200.	403.	Once-Thru	St Clair Rvr
Menasha 1-4	Menasha	WI	COAL	34.	44.	Once-Thru	Lake Winneba
Michigan City	No Ind Pub Ser Co	IN	C-G	661.	3043.	Once-Thru	Lake Michigan
Milliken	NY State Elec-Gas	NY	COAL	270.	2036.	Once-Thru	Cayuga Lake

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-4 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 04 - GREAT LAKES

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Mistersky 1-7	Detroit	MI	C-O	174.	284.	Once-Thru	Detroit Rvr
Mitchell 4-6,11	No Ind Pub Ser Co	IN	C-G	529.	2019.	Once-Thru	Lake Michigan
Monroe 1-4	Detroit Edison Co	MI	COAL	3280.	16317.	Once-Thru	Lake Erie
Morrow 1-4	Consumers Power Co	MI	GAS	186.	173.	Once-Thru	Kalamazoo Rvr
N Oak Creek 1-4	Wisconsin Elec Pow	WI	C-O	500.	2222.	Once-Thru	Lake Michigan
Nine Mile Pt 1	Niagara-Mohawk Power	NY	BWR	620.	4538.	Once-Thru	Lake Ontario
Norwalk	Ohio Edison Co	OH	C-O	31.	3.	Cooling Pond	Reservoirs
Oswego 1-6	Niagara-Mohawk Power	NY	OIL	2128.	3825.	Once-Thru	Lake Ontario
Ottawa St	Lansing	MI	COAL	82.	76.	Once-Thru	Grand Rvr
Painesville	Painesville	OH	COAL	57.	144.	Cooling Tower	Municipal
Palisades	Consumers Power Co	MI	PWR	805.	2380.	Once-Thru	Lake Michigan
Pennsalt	Detroit Edison Co	MI	C-O	37.	73.	Once-Thru	Detroit Rvr
Point Beach 1	Wisc-Mich Power Co	WI	PWR	497.	2477.	Once-Thru	Lake Michigan
Point Beach 2	Wisc-Mich Power Co	WI	PWR	497.	3588.	Once-Thru	Lake Michigan
Port Wash. 1-5	Wisconsin Elec Pow	WI	COAL	400.	1381.	Once-Thru	Lake Michigan
Presque Isle	Upper Peninsula Gen	MI	COAL	625.	2941.	Once-Thru	Lake Superior
Pulliam 1-8	Wisc Pub Ser Corp	WI	COG	373.	1554.	Once-Thru	Fox Rvr
Russell 1-4	Rochester Gas-Elec	NY	COAL	253.	1439.	Once-Thru	Lake Ontario
Rvr Rouge 1-3	Detroit Edison Co	MI	C-O	934.	3399.	Once-Thru	Detroit Rvr
S Oak Creek 5-8	Wisconsin Elec Pow	WI	C-O	1170.	3561.	Once-Thru	Lake Michigan
Shiras	Marquette	MI	COAL	34.	172.	Once-Thru	Lake Superior
Sixty Five	Michigan State Univ	MI	C-G	40.	96.	Cooling Tower	Wells
St Clair 1-7	Detroit Edison Co	MI	C-O	1906.	6344.	Once-Thru	St Clair Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-4 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 04 - GREAT LAKES

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
State Line 3-4	Commonwealth Edison	IN	C-G	614.	2534.	Once-Thru	Lake Michigan
Trenton Chan	Detroit Edison Co	MI	COG	776.	3781.	Once-Thru	Detroit Rvr
Twin Branch 4-5	Indiana-Mich Elec	IN	C-O	238.	0.	Once-Thru	St Joseph Rvr
Valley 1-2	Wisconsin Elec Pow	WI	COAL	269.	1140.	Once-Thru	Milwaukee Rvr
Virginia 1-6	Virginia	MN	C-G	38.	71.	Once-Thru	Silver Lk
W. Lorain	Ohio Edison Co	OH	COMB	235.	115.	Cooling Tower	Lake Erie
Waukegan 5-8	Commonwealth Edison	IL	C-G	802.	2808.	Once-Thru	Lake Michigan
Weadock 1-8	Consumers Power Co	MI	C-O	615.	1807.	Once-Thru	Saginaw Rvr
Whiting 1-3	Consumers Power Co	MI	COAL	325.	1937.	Once-Thru	Lake Erie
Winslow 2-3	Superior Wat-Li-Pow	WI	O-G	25.	31.	Once-Thru	Lake Superior
Wyandotte	Wyandotte	MI	C-G	42.	122.	Once-Thru	Detroit Rvr
Zion 1	Commonwealth Edison	IL	PWR	1098.	6515.	Once-Thru	Lake Michigan
Zion 2	Commonwealth Edison	IL	PWR	1098.	5279.	Once-Thru	Lake Michigan

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-5

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 05 - OHIO

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Abbott	Univ of Illinois	IL	OIL	30.	37.	Cooling Tower	Municipal
Albright 1-3	Potomac Edison Co	WV	COAL	278.	1601.	Once-Thru	Cheat Rvr
Amos 1-3	Appalachian Power Co	WV	COAL	2933.	17994.	Combination	Kanawha Rvr
Armstrong 1-2	West Penn Power Co	PA	COAL	326.	2186.	Once-Thru	Allegheny Rvr
Beaver Valley 1	Duquesne Light Co	PA	PWR	852.	301.	Cooling Tower	Ohio Rvr
Beckjord 1-6	Cincinnati G-E Co	OH	COAL	1181.	5636.	Once-Thru	Ohio Rvr
Big Sandy 1-2	Kentucky Power Co	KY	COAL	1097.	6154.	Cooling Tower	Big Sandy Rvr
Breed 1-2	Indiana-Mich Elec	IN	COAL	496.	2262.	Once-Thru	Wabash Rvr
Brown, EW 1-3	Kentucky Util Co	KY	COAL	740.	3071.	Cooling Tower	Herrington L
Burger 1-5	Ohio Edison Co	OH	COAL	544.	2476.	Once-Thru	Ohio Rvr
Cabin Creek 8-9	Appalachian Power Co	WV	COAL	170.		Once-Thru	Kanawha Rvr
Cane Run 1-6	Louisville Gas-Elec	KY	C-G	1017.	2916.	Once-Thru	Ohio Rvr
Cardinal 1-3	Ohio Power Co	OH	C-O	1881.	8379.	Once-Thru	Ohio Rvr
Carlson 2-6	Jamestown	NY	COAL	74.	291.	Once-Thru	Chadakoin Rvr
Cayuga 1-2	Pub Ser Co Of Ind	IN	COAL	1062.	5586.	Once-Thru	Wabash Rvr
Cheswick 1	Duquesne Light Co	PA	COAL	510.	3260.	Once-Thru	Allegheny Rvr
Clifty Crk 1-6	Ind-Ken Elec Corp	IN	COAL	1304.	9250.	Once-Thru	Ohio Rvr
Coleman 1-3	Big Rvrs Rural Elec	KY	COAL	521.	3167.	Once-Thru	Ohio Rvr
Conemaugh 1-3	Penn Electric Co	PA	COAL	1872.	10538.	Cooling Tower	Conemaugh Rvr
Conesville 1-6	Columbus-So Ohio Ele	OH	COAL	2175.	6974.	Combination	Muskingum Rvr
Cooper, JS 1-2	East Ken Rural Elec	KY	COAL	354.	1665.	Once-Thru	Cumberland Rvr
Culley, FB 1-3	So Ind Gas-Elec Co	IN	COAL	419.	2207.	Once-Thru	Ohio Rvr
Cumberland 1-2	Tenn Valley Auth	TN	COAL	2600.	10900.	Once-Thru	Cumberland Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-5 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 05 - OHIO

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Dale, WC 1-4	East Ken Rural Elec	KY	COAL	176.	648.	Combination	Kentucky Rvr
Dover	Dover	OH	C-O	36.	67.	Once-Thru	Tascarawas Rvr
Edwardsport 6-8	Pub Ser Co of Ind	IN	COAL	144.	314.	Once-Thru	White Rvr
Elrama 1-4	Duquesne Light Co	PA	COAL	510.	2858.	Once-Thru	Monongahela
Ft Martin 1-2	Monongahela Power Co	WV	COAL	1152.	6394.	Cooling Tower	Monongahela
Gallagher 1-4	Pub Ser Co of Ind	IN	COAL	637.	2115.	Once-Thru	Ohio Rvr
Gallatin 1-4	Tenn Valley Auth	TN	COAL	1255.	6425.	Once-Thru	Cumberland Rvr
Gavin 1-2	Ohio Electric Co	OH	COAL	2600.	14675.	Cooling Tower	Ohio Rvr
Ghent 1-2	Kentucky Util Co	KY	COAL	1113.	5038.	Cooling Tower	Ohio Rvr
Gibson 1-4	Pub Ser Co of Ind	IN	COAL	2672.	12414.	Once-Thru	
Glen Lyn 5-6	Appalachian Power Co	VA	COAL	337.	1577.	Once-Thru	New Rvr
Green Rvr 1-4	Kentucky Util Co	KY	COAL	264.	5887.	Once-Thru	Green Rvr
Harrison 1-3	Monongahela Power Co	WV	COAL	2052.	10968.	Cooling Tower	West Fork Rvr
Hatfields FY	West Penn Power Co	PA	COAL	1728.	8271.	Once-Thru	Monongahela
Homer City 1-3	Penn Electric Co	PA	COAL	2012.	10377.	Cooling Tower	Two Lick Crk
Hutchings 1-6	Dayton Pow-Light Co	OH	COAL	414.	1551.	Once-Thru	Gr Miami Rvr
Hutsonville 1-4	Central Ill Pub Ser	IL	C-O	200.	926.	Once-Thru	Wabash Rvr
Joppa 1-6	Electric Energy Inc	IL	COAL	1100.	5762.	Once-Thru	Ohio Rvr
Kammer 1-3	Ohio Power Co	WV	COAL	713.	4359.	Once-Thru	Ohio Rvr
Kanawha Rvr 1-2	Appalachian Power Co	WV	COAL	426.	2855.	Once-Thru	Kanawha Rvr
Keystone PA	Penn Electric Co	PA	COAL	1872.	10635.	Cooling Tower	Crooked Crk
Kyger Crk 1-5	Ohio Valley Elec Co	OH	C-O	1087.	6733.	Once-Thru	Ohio Rvr
Logansport	Logansport	IN	C-O	53.	88.	Once-Thru	Eel Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-5 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 05 - OHIO

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Mad River 1-3	Ohio Edison Co	OH	COAL	75.	150.	Once-Thru	Mad Rvr
Mansfield 1-3	Penn Power Co	PA	COAL	2471.	8765.	Cooling Tower	Ohio Rvr
Miami Fort 3-8	Cincinnati G-E Co	OH	C-O	1460.	6537.	Once-Thru	Ohio Rvr
Mill Crk 1-6	Louisville Gas-Elec	KY	COAL	1174.	4590.	Combination	Ohio Rvr
Mitchell 1-2	Ohio Power Co	WV	C-O	1633.	8440.	Cooling Tower	Ohio Rvr
Mitchell 1-3	West Penn Power Co	PA	C-O	218.	1988.	Once-Thru	Monongahela
Muskingum 1-5	Ohio Power Co	OH	COAL	1530.	6366.	Once-Thru	Muskingum Rvr
New Castle 1-5	Penn Power Co	PA	COAL	506.	1926.	Once-Thru	Beaver Rvr
Newton 1	Central Ill Pub Ser	IL	COAL	617.	3048.	Once-Thru	
Niles 1-2	Ohio Edison Co	OH	COAL	250.	1102.	Once-Thru	Mahoning Rvr
Noblesville 1-2	Pub Ser Co of Ind	IN	COAL	100.	136.	Once-Thru	White Rvr
Ohio Rvr 1-7	So Ind Gas-Elec Co	IN	O-G	122.	0	Once-Thru	Ohio Rvr
Paddys Run 1-6	Louisville Gas-Elec	KY	C-G	288.	35.	Once-Thru	Ohio Rvr
Paradise 1-3	Tenn Valley Auth	KY	C-O	2558.	10080.	Combination	Green Rvr
Perry K+W	Indianapolis P-L Co	IN	COAL	59.	61.	Combination	White Rvr
Petersburg 1-3	Indianapolis P-L Co	IN	COAL	1299.	7318.	Combination	White Rvr
Phillips 1-4	Duquesne Light Co	PA	COAL	411.	1928.	Once-Thru	Ohio Rvr
Picway 5	Columbus-So Ohio Ele	OH	COAL	106.	466.	Once-Thru	Scioto Rvr
Piqua	Piqua	OH	C-O	39.	130.	Once-Thru	Gr Miami Rvr
Poston 1-4	Columbus-So Ohio Ele	OH	COAL	226.	804.	Cooling Tower	Wells
Pritchard 1-6	Indianapolis P-L Co	IN	C-O	373.	1000.	Once-Thru	White Rvr
Ratts 1-2	Ind Statewide R.E.C.	IN	COAL	244.	1578.	Once-Thru	White Rvr
Reid 1	Big Rvrs Rural Elec	KY	COAL	370.	454.	Once-Thru	Green Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-5 (Cont'd)
STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 05 - OHIO

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Rivesville 5-6	Monongahela Power Co	WV	COAL	110.	556.	Once-Thru	Monongahela
Sammis 1-7	Ohio Edison Co	OH	COAL	2304.	10868.	Once-Thru	Ohio Rvr
Seward 2-5	Penn Electric Co	PA	COAL	280.	1176.	Once-Thru	Conemaugh Rvr
Shawnee 1-10	Tenn Valley Auth	KY	C-O	1750.	8450.	Once-Thru	Ohio Rvr
Shelby	Shelby	OH	COAL	42.	75.	Cooling Tower	Municipal
Shippingport	Duquesne Light Co	PA	LWB	100.	323.	Once-Thru	Ohio Rvr
Smith, E 1-2	Owensboro	KY	C-O	416.	1920.	Once-Thru	Ohio Rvr
Sporn 1-5	Appalachian Power Co	WV	COAL	1160.	5012.	Once-Thru	Ohio Rvr
Springdale 7-8	West Penn Power Co	PA	OIL	215.	28.	Once-Thru	Allegheny Rvr
Spurlock 1	East Ken Rural Elec	KY	COAL	300.	1413.	Combination	Ohio Rvr
Stout 1-7	Indianapolis P-L Co	IN	C-O	852.	3080.	Combination	White Rvr
Stuart 1-4	Dayton Pow-Light Co	OH	COAL	2440.	12386.	Once-Thru	Ohio Rvr
Tait 1-5, 7-8	Dayton Pow-Light Co	OH	C-O	449.	1087.	Once-Thru	Gr Miami Rvr
Tanners Crk 1-4	Indiana-Mich Elec	IN	COAL	1101.	4456.	Once-Thru	Ohio Rvr
Toronto 5-7	Ohio Edison Co	OH	C-O	175.	720.	Once-Thru	Ohio Rvr
Tyrone 1-3	Kentucky Util Co	KY	C-O	137.	98.	Once-Thru	Kentucky Rvr
Vermilion 1-2	Illinois Power Co	IL	COAL	186.	1005.	Cooling Tower	Reservoir
Wabash Rvr 1-6	Pub Ser Co of Ind	IN	COAL	962.	2981.	Once-Thru	Wabash Rvr
Warren 1-2	Penn Electric Co	PA	COAL	85.	534.	Once-Thru	Allegheny Rvr
Whitewater Val	Richmond	IN	C-O	93.	447.	Cooling Tower	Whitewater Rvr
Willow Is 1-2	Monongahela Power Co	WV	COAL	215.	724.	Once-Thru	Ohio Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-6

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 06 - TENNESSEE

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Asheville 1-2	Carolina Power-Light	NC	COAL	414.	2483.	Cooling Pond	Fr Broad Rvr
Browns Ferry 1	Tenn Valley Auth	AL	BWR	1065.	6062.	Combination	Tennessee Rvr
Browns Ferry 2	Tenn Valley Auth	AL	BWR	1065.	5619.	Combination	Tennessee Rvr
Browns Ferry 3	Tenn Valley Auth	AL	BWR	1065.	6937.	Combination	Tennessee Rvr
Bull Run 1	Tenn Valley Auth	TN	COAL	950.	5770.	Once-Thru	Clinch Rvr
Clinch Rvr 1-3	Appalachian Power Co	VA	COAL	714.	4141.	Once-Thru	Clinch Rvr
Colbert 1-5	Tenn Valley Auth	AL	COAL	1420.	6613.	Once-Thru	Tennessee Rvr
John Sevier 1-4	Tenn Valley Auth	TN	COAL	812.	5410.	Once-Thru	Holston Rvr
Johnsonville	Tenn Valley Auth	TN	COAL	1485.	6762.	Once-Thru	Tennessee Rvr
Kingston 1-9	Tenn Valley Auth	TN	COAL	1700.	10538.	Once-Thru	Clinch Rvr
Watts Bar A-D	Tenn Valley Auth	TN	COAL	240.	797.	Once-Thru	Tennessee Rvr
Widows Crk 1-8	Tenn Valley Auth	AL	COAL	1978.	7395.	Once-Thru	Tennessee Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-7

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 07 - UPPER MISSISSIPPI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Allen King 1	No. States Power Co	MN	COAL	598.	2396.	Combination	St Croix Rvr
Alma 1-5	Dairyland Pow Coop	WI	COAL	208.	1808.	Once-Thru	Mississippi
Ames 5-7	Ames	IA	C-G	54.	184.	Cooling Tower	Municipal
Ashley 1, 7-9	Union Electric Co	MO	OIL	70.	1.	Once-Thru	Mississippi
Austin 1-4	Austin	MN	COG	32.	33.	Cooling Tower	Cedar Rvr
Baldwin 1-3	Illinois Power Co	IL	COAL	1892.	10218.	Cooling Pond	Kaskaskia Rvr
Big Stone 1	Ottertail Power Co	SD	C-O	440.	2610.	Cooling Pond	Big Stone Lk
Black Dog 1-4	No. States Power Co	MN	C-G	481.	798.	Combination	Minnesota Rvr
Blackhawk 1-2	Wisconsin Pow-Light	WI	C-G	50.	45.	Once-Thru	Rock Rvr
Blount St 1-7	Madison Gas-Elec	WI	COG	196.	367.	Once-Thru	Monona Lk
Boone	Iowa Elec Light-Pow	IA	C-G	34.	16.	Cooling Tower	Municipal
Boswell 1-4	Minn Power-Light	MN	C-O	1032.	4513.	Combination	Mississippi
Bridgeport 1-3	Iowa Southern Util	IA	C-O	71.	2.	Cooling Tower	Des Moines Rvr
Burlington 1	Iowa Southern Util	IA	COAL	188.	869.	Once-Thru	Mississippi
Coffeen 1-2	Central Ill Pub Ser	IL	COAL	1006.	3557.	Cooling Pond	Coffeen Lk
Collins 1-4	Commonwealth Edison	IL	OIL	2650.	5004.	Cooling Pond	
Crawford 7-8	Commonwealth Edison	IL	COG	597.	2651.	Once-Thru	Chicago Canal
Dallman 1-3	Springfield	IL	COAL	373.	1128.	Once-Thru	Lk Springfield
Des Moines 4-7	Iowa Power-Light	IA	COG	270.	496.	Combination	Des Moines Rvr
Dewey 1-2	Wisconsin Pow-Light	WI	COAL	227.	1128.	Once-Thru	Mississippi
Dresden 1	Commonwealth Edison	IL	BWR	209.	0.	Cooling Pond	Illinois Rvr
Dresden 2	Commonwealth Edison	IL	BWR	794.	4581.	Cooling Pond	Illinois Rvr
Dresden 3	Commonwealth Edison	IL	BWR	794.	4330.	Cooling Pond	Illinois Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 07 - UPPER MISSISSIPPI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Duane Arnold 1	Iowa Elec Light-Pow	IA	BWR	538.	2563.	Cooling Tower	Cedar Rvr
Dubuque 1-4	Interstate Pow Co	IA	COG	88.	291.	Once-Thru	Mississippi
Duck Crk 1	Central Ill Light Co	IL	COAL	441.	2263.	Once-Thru	Reservoir
Edwards 1-3	Central Ill Light Co	IL	COAL	780.	2254.	Once-Thru	Illinois Rvr
Elk River 1-3	United Power Assn	MN	C-O	46.	23.	Once-Thru	Mississippi
Fair Sta 1-2	E Iowa Light-Pow Co	IA	C-G	55.	190.	Once-Thru	Mississippi
Fisk 18-19	Commonwealth Edison	IL	C-G	374.	1692.	Once-Thru	Chicago Can
Fox Lake 1-3	Interstate Pow Co	MN	C-O	105.	226.	Once-Thru	Fox Lk
Genoa 3	Dairyland Pow Coop	WI	COAL	350.	1925.	Once-Thru	Mississippi
Grand Tower 3-4	Central Ill Pub Ser	IL	COAL	195.	839.	Once-Thru	Mississippi
Havana 1-6	Illinois Power Co	IL	C-O	732.	1358.	Once-Thru	Illinois Rvr
Hennepin 1-2	Illinois Power Co	IL	C-G	719.	1862.	Once-Thru	Illinois Rvr
High Bridge 3-6	No. States Power Co	MN	C-G	392.	968.	Once-Thru	Mississippi
Humboldt 1-4	Corn Belt Power Coop	IA	C-G	49.	7.	Once-Thru	Des Moines Rvr
Joliet 5-8	Commonwealth Edison	IL	C-G	1787.	1680.	Once-Thru	Des Plaines
Kapp, ML 1-2	Interstate Pow Co	IA	C-G	239.	1176.	Once-Thru	Mississippi
Kincaid 1-2	Commonwealth Edison	IL	COAL	1319.	5181.	Cooling Pond	Local Runoff
La Crosse	Dairyland Pow Coop	WI	BWR	50.	214.	Once-Thru	Mississippi
Lakeside 1-7	Springfield	IL	COAL	146.	208.	Once-Thru	Lk Springfield
Lansing 1-4	Interstate Pow Co	IA	COAL	339.	1321.	Once-Thru	Mississippi
Marion 2-3	S Illinois Pow Coop	IL	COAL	270.	1344.	Once-Thru	Crab Orchard
Maynard 6-7	Iowa Pub Ser Co	IA	COG	77.	60.	Once-Thru	Cedar Rvr
Meramec 2-3	Union Electric Co	MO	C-G	923.	2693.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 07 - UPPER MISSISSIPPI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Meredosia 1-4	Central Ill Pub Ser	IL	C-O	564.	1807.	Once-Thru	Illinois Rvr
Minnesota Val	No. States Power Co	MN	C-G	47.	32.	Once-Thru	Minnesota Rvr
Moline 5-7	Iowa-Ill Gas-Elec	IL	O-G	65.	11.	Once-Thru	Mississippi
Moline 8	Iowa-Ill Gas-Elec	IL	COMB	42.	0	Once-Thru	Mississippi
Monticello 1	No. States Power Co	MN	BWR	545.	3454.	Combination	Mississippi
Muscatine 5-8	Muscatine	IA	C-G	125.	796.	Once-Thru	Mississippi
New Ulm 1-4	New Ulm	MN	COG	30.	108.	Cooling Tower	Municipal
Northeast 1	Austin	MN	C-G	32.	109.	Cooling Tower	Wells
Owatonna 1-6	Owatonna	MN	O-G	35.	110.	Cooling Tower	Municipal
Pella	Pella Power Light	IA	C-O	40.	100.	Cooling Tower	Municipal
Powerton 5-6	Commonwealth Edison	IL	COAL	1785.	4913.	Cooling Pond	Illinois Rvr
Prairie Crk 1-3	Cen Iowa Power Coop	IA	COAL	97.	0	Once-Thru	Cedar Rvr
Prairie Crk 4	Iowa Elec Light-Pow	IA	C-G	149.	0	Once-Thru	Cedar Rvr
Prairie Isl 1	No. States Power Co	MN	PWR	530.	3106.	Cooling Tower	Mississippi
Prairie Isl 2	No. States Power Co	MN	PWR	530.	3469.	Cooling Tower	Mississippi
Quad Cities 1	Commonwealth Edison	IL	BWR	789.	3442.	Cooling Pond	Mississippi
Quad Cities 2	Commonwealth Edison	IL	BWR	789.	3614.	Cooling Pond	Mississippi
Ridgeland 1-4	Commonwealth Edison	IL	OIL	690.	1711.	Once-Thru	Chicago Can
Riverside	Iowa-Ill Gas-Elec	IA	C-G	202.	590.	Once-Thru	Mississippi
Riverside-MN	No. States Power Co	MN	COG	334.	378.	Once-Thru	Mississippi
Rock Rvr 1-2	Wisconsin Pow-Light	WI	COAL	150.	425.	Once-Thru	Rock Rvr
Rush Island 1-2	Union Electric Co	MO	COAL	1241.	6222.	Once-Thru	Mississippi
Schahfer 14	No Ind Pub Ser Co	IN	COAL	1032.	3314.	Cooling Tower	Kankakee Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-7 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 07 - UPPER MISSISSIPPI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Sherburne 1-2	No. States Power Co	MN	COAL	1440.	8340.	Cooling Tower	Mississippi
Silverlake 1-4	Rochester	MN	C-G	107.	367.	Combination	Zumbro Rvr
Sioux 1-2	Union Electric Co	MO	COAL	1100.	3972.	Once-Thru	Mississippi
Stoneman 1-2	Dairyland Pow Coop	WI	COAL	52.	127.	Once-Thru	Mississippi
Sutherland 1-3	Iowa Elec Light-Pow	IA	C-G	157.	586.	Cooling Tower	Wells
Venice No 2 1-6	Union ELeCtric Co	IL	O-G	474.	92.	Once-Thru	Mississippi
Wallace 3-7	Central Ill Light Co	IL	COAL	305.	225.	Once-Thru	Illinois Rvr
Weston 1-2	Wisc. Pub Ser Corp	WI	C-G	135.	667.	Once-Thru	Wisconsin Rvr
Wildwood 1-6	Marshfield	WI	COG	42.	65.	Combination	Artificial Lake
Will County 1-4	Commonwealth Edison	IL	COAL	1269.	4019.	Once-Thru	Chicago Canal
Willmar	Willmar	MN	COAL	30.	57.	Cooling Tower	Wells
Wilmarth 1-2	No. States Power Co	MN	C-G	25.	15.	Once-Thru	Minnesota Rvr
Wood Rvr 1-5	Illinois Power Co	IL	COG	651.	1866.	Once-thru	Mississippi
6th Street 1-8	Iowa Elec Light-Pow	IA	C-G	92.	117.	Cooling Tower	Private Lake

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-8

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 08 - LOWER MISSISSIPPI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Andrus 1	Miss Power-Light	MS	OIL	782.	2969.	Once-Thru	Mississippi
Big Cajun 1	Cajun Elec-Pow Coop	LA	OIL	230.	1312.	Cooling Tower	Wells
Bonin 1-3	Lafayette	LA	O-G	330.	1377.	Cooling Tower	Wells
Coughlin 1-7	Cen Louisiana Elec	LA	O-G	483.	1555.	Combination	Bayou Cocodr
Delta 1-2	Miss Power-Light	MS	O-G	221.	487.	Combination	Pond
Hill, J	Ark-Missouri Power	MO	O-G	33.	44.	Cooling Tower	Wells
Little Gypsy	Louisiana Pow-Light	LA	O-G	1251.	4471.	Once-Thru	Mississippi
Lk Catherine	Arkansas Power-Light	AR	O-G	757.	2163.	Once-Thru	Lk Catherine
Louisiana 1	Gulf States Util Co	LA	O-G	253.	942.	Cooling Tower	Mississippi
Louisiana 2	Gulf States Util Co	LA	O-G	175.	1147.	Cooling Tower	Wells
Market St 11-13	New Orleans Pub Ser	LA	O-G	96.	135.	Once-Thru	Mississippi
McClellan 1	Ark Elec Coop	AR	O-G	136.	356.	Once-Thru	Quachita Rvr
Michoud 1-3	New Orleans Pub Ser	LA	O-G	959.	3354.	Once-Thru	Mississippi
Monroe	Monroe	LA	O-G	166.	257.	Once-Thru	Quachita Rvr
Morgan City 1-3	Morgan City	LA	O-G	71.	113.	Once-Thru	Municipal
Moses, H 1-2	Arkansas Power-Light	AR	OIL	144.	227.	Cooling Tower	Languille Rvr
Natchez	Miss Power-Light	MS	O-G	66.	159.	Cooling Tower	Wells
Nelson 1-4	Gulf States Util Co	LA	O-G	982.	4169	Cooling Tower	Wells
New Madrid 1-2	Assoc Elec	MO	COAL	1200.	7021.	Once-Thru	Mississippi
Nine Mile Pt	Louisiana Pow-Light	LA	O-G	1917.	6372.	Once-Thru	Mississippi
Paterson 1-4	New Orleans Pub Ser	LA	O-G	224.	696.	Once-Thru	In Hrbr Canal
Powerhouse 2	New Orleans Sew-Wat	LA	O-G	41.	70.	Once-Thru	Municipal
Ritchie 1-2	Arkansas Power-Light	AR	O-G	900.	3087	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-8 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 08 - LOWER MISSISSIPPI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Rodemacher 1-4	Lafayette	LA	O-G	50.	58.	Cooling Tower	Wells
Sterlington	Louisiana Pow-Light	LA	GAS	523.	2842.	Once-Thru	Quachita Rvr
T H Allen 1-3	Tenn Valley Auth	TN	C-G	990.	4251.	Once-Thru	Mississippi
Teche 1-3	Cen Louisiana Elec	LA	O-G	431.	2254.	Once-Thru	Charnton Canal
Waterford 1-2	Louisiana Pow-Light	LA	O-G	892.	2669.	Once-Thru	Mississippi
Willow Glen 1-5	Gulf States Util Co	LA	O-G	2178.	7023.	Once-Thru	Mississippi
Wilson 1-2	Miss Power-Light	MS	O-G	1328.	4461.	Once-Thru	Mississippi

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-9

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 09 - SOURIS-RED-RAINY

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Hoot Lake 1-3	Ottertail Power Co	MN	COAL	137.	736.	Combination	Otter Tail Rvr
Moorhead 1-4	Moorhead	MN	COAL	34.	74.	Combination	Red Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-10

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 10 - MISSOURI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Abilene 1,2	Kansas Power-Light	KS	O-G	41.	25.	Once-Thru	Smoky Hill Rvr
Arapahoe 1-4	Pub Ser Co of Colo	CO	C-G	251.	1522.	Cooling Tower	Wells
Bird, F	Montana Power Co	MT	OIL	69.	297.	Once-Thru	Yellowstone
Blue Valley 1-3	Independence	MO	COG	115.	480.	Cooling Tower	Wells
Bluffs 2-4	Neb Pub Power Dist	NB	O-G	42.	70.	Cooling Tower	Wells
Burdick 1-6	Grand Island	NB	O-G	93.	207.	Once-Thru	Wells
Canaday 1	Cen Neb Pub Pow-Irr	NB	O-G	100.	480.	Once-Thru	Supply Canal
Chamois 1-2	Central Elec Pow Co	MO	COAL	59.	270.	Once-Thru	Missouri Rvr
Cherokee 1-4	Pub Ser Co of Colo	CO	C-G	801.	3832.	Cooling Tower	S Platte Rvr
Colstrip 1-2	Montana Power Co	MT	COAL	717.	3918.	Cooling Tower	Yellowstone
Columbia 2-6	Columbia	MO	COAL	108.	153.	Cooling Tower	Municipal
Cooper	Neb Pub Power Dist	NB	BWR	778.	3788.	Once-Thru	Missouri Rvr
Corette 1	Montana Power Co	MT	COAL	173.	991.	Once-Thru	Yellowstone
Council Bluffs	Iowa Power-Light	IA	C-G	781.	3247.	Once-Thru	Missouri Rvr
Edmond St 4,5,7	St Joseph Light-Pow	MO	O-G	43.	3.	Once-Thru	Missouri Rvr
Fremont 6-8	Fremont Dept. of Util	NB	C-O	135.	280.	Combination	Wells
Ft Calhoun	Omaha Pub Power Dist	NB	BWR	457.	1995.	Once-Thru	Missouri Rvr
Ft St Vrain	Pub Ser Co of Colo	CO	HTGR	330.	676.	Cooling Tower	S Platte Rvr
Grand Ave	Kan City Pow-Light	MO	COG	127.	46.	Once-Thru	Missouri Rvr
N Denver	Hastings	NB	O-G	54.	142.	Combination	Wells
Hawthorn 1-5	Kan City Pow-Light	MO	C-G	908.	2186.	Once-Thru	Missouri Rvr
Heskett 1-2	Montana-Dakota Util	ND	C-G	100.	564.	Once-Thru	Missouri Rvr

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE C-10 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 10 - MISSOURI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Jeffrey	Kansas Power-Light	KS	C-O	1141.	5964.	Cooling Tower	
Johnston 1-4	Pacific Power-Light	WY	COAL	750.	4903.	Once-Thru	N Platte Rvr
Jones St 11-12	Omaha Pub Power Dist	NB	O-G	83.	1.	Once-Thru	Missouri Rvr
Kaw Station 1-3	Kansas City	KS	C-G	161.	645.	Once-Thru	Kansas Rvr
Kirk 1-4	Black Hills P-L	SD	COAL	32.	121.	Cooling Tower	
Kramer 1-3	Neb Pub Power Dist	NB	C-G	137.	260.	Once-Thru	Missouri Rvr
La Cygne 1-2	Kansas Gas-Elec	KS	COAL	1558.	5563.	Once-Thru	N Sugar Crk
Labadie 1-4	Union Electric Co	MO	COAL	2482.	11144.	Once-Thru	Missouri Rvr
Lake Road 1-4	St Joseph Ligh-Pow	MO	COG	126.	363.	Combination	Missouri Rvr
Lake Road 5	St Joseph Light-Pow	MO	COMB	85.	25.	Once-Thru	Missouri Rvr
Lawrence 1-5	Kansas Power-Light	KS	COG	613.	2060.	Cooling Tower	Kansas Rvr
Lewis + Clark	Montana-Dakota Util	MT	C-G	50.	296.	Once-Thru	Yellowstone
Marshall 1-5	Marshall	MO	COG	31.	92.	Cooling Tower	Municipal
Montrose 1-3	Kan City Power-Light	MO	COAL	563.	2513.	Cooling Pond	Deepwater Crk
Mr Young 1-2	Minnkota Power Coop	ND	C-O	673.	4202.	Cooling Tower	SQ Butte Crk
Neal 1-4	Iowa Pub Ser Co	IA	COAL	1686.	7363.	Once-Thru	Missouri Rvr
North Omaha 1-5	Omaha Pub Power Dist	NB	C-G	646.	2612.	Once-Thru	Missouri Rvr
Northeast	Kan City Pow-Light	MO	O-G	133.		Once-Thru	Missouri Rvr
Olds 1-2	Basin Elec Coop	ND	COAL	650.	3567.	Once-Thru	Missouri Rvr
Osage 1-3	Black Hills P-L	WY	COAL	30.	219.	Cooling Tower	Wells
Pathfinder	No. States Power Co	SD	O-G	76.	15.	Cooling Tower	Big Sioux Rvr
Quindaro 2-3	Kansas City	KS	C-G	333.	1294.	Once-Thru	Missouri Rvr
Ross Beach 1-2	Cen Kansas Power Co	KS	O-G	36.	72.	Cooling tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-10 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 10 - MISSOURI

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Sheldon Sta 1-2	Neb Pub Power Dist	NB	C-G	220.	727.	Cooling Tower	Wells
Sibley 1-3	Missouri Pub Ser Co	MO	COAL	523.	1328.	Once-Thru	Missouri Rvr
Stanton 1	United Power Assn	ND	COAL	172.	1078.	Once-Thru	Missouri Rvr
Tecumseh 3-8	Kansas Power-Light	KS	COG	346.	836.	Combination	Kansas Rvr
Thomas Hill 1-2	Assoc Elec	MO	COAL	470.	2867.	Cooling Pond	Artificial Lk
Valmont 1-5	Pub Ser Co of Colo	CO	C-G	282.	838.	Cooling Pond	Valmont Lk
Wisdom	Corn Belt Power Coop	IA	C-G	39.	54.	Cooling Tower	Des Moines Rvr
Wyodak 1	Black Hills P-L	WY	COAL	330.	2463.	Dry Tower	
Zuni 1-2	Pub Ser Co of Colo	CO	O-G	115.	505.	Combination	S Platte Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-11

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 11 - ARKANSAS-WHITE-RED

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Anadarko 1-3	West Farmers Elec Cp	OK	O-G	85.	95.	Cooling Tower	Washita Rvr
Anadarko 4-6	West Farmers Elec Cp	OK	COMB	254.	1881.	Cooling Tower	Ft Cobb Res
Arbuckle	Oklahoma Gas-Elec	OK	O-G	74.	275.	Cooling Tower	Wells
Arkansas 1	Arkansas Power-Light	AR	PWR	850.	3782.	Once-Thru	Dardanelle Rvr
Arkansas 2	Arkansas Power-Light	AR	PWR	912.	3647.	Cooling Tower	Dardanelle Rvr
Arsenal Hill	SW Elec Power Co	LA	GAS	125.	178.	Cooling Pond	Municipal
Asbury 1	Empire Dist Elec	MO	COAL	213.	1352.	Cooling Tower	Wells
Bailey 1	Ark Elec Coop	AR	O-G	122.	292.	Once-Thru	White Rvr
Belle Isle 1-2	Oklahoma Gas-Elec	OK	GAS	47.	0	Cooling Pond	Wells
Birdsall 1-3	Colorado Springs	CO	O-G	61.	20.	Cooling Tower	Municipal
Cimarron Rvr	Gen Tele-Util	KS	GAS	50.	400.	Cooling Tower	Wells
Coffeyville 1-7	Coffeyville	KS	O-G	75.	113.	Cooling Tower	Municipal
Commanche	Pub Ser Co of Okla	OK	COMB	290.	1549.	Cooling Tower	Sewage Effln
Comanche 1-2	Pub Ser Co of Colo	CO	COAL	779.	4316.	Cooling Tower	Arkansas Rvr
Couch, H 1-2	Arkansas Power-Light	AR	O-G	188.	603.	Cooling Tower	Wells
Drake 1-7	Colorado Springs	CO	COG	277.	1567.	Combination	Municipal
East 3-5	SW Public Ser Co	TX	O-G	61.	0	Cooling Tower	Wells
Evans 1-2	Kansas Gas-Elec	KS	O-G	539.	2645.	Cooling Tower	Wells
Fitzhugh	Ark Elec Coop	AR	O-G	60.	110.	Once-Thru	Arkansas Rvr
Gill 1-4	Kansas Gas-Elec	KS	O-G	348.	1148.	Cooling Tower	Wells
Harrington 1-2	SW Public Ser Co	TX	C-G	1081.	5097.	Cooling Tower	
Horseshoe Lk	Oklahoma Gas-Elec	OK	O-G	697.	2890.	Combination	N Canadian Rvr
Horseshoe Lk 7	Oklahoma Gas-Elec	OK	COMB	245.	1565.	Combination	N Canadian Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-11 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 11 - ARKANSAS-WHITE-RED

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Hunter - 3rd St	Alexandria	LA	O-G	179.	480.	Cooling Tower	Wells
Hutchinson 1-4	Kansas Power-Light	KS	O-G	257.	1017.	Cooling Tower	Wells
James Rvr 1-5	Springfield	MO	C-G	253.	613.	Combination	Lk Springfield
Judson Large	Cen Tele-Util	KS	O-G	180.	260.	Combination	Wells
Lamar 1-4	Lamar	CO	O-G	36.	75.	Once-Thru	Wells
Lieberman 1-4	SW Elec Power Co	LA	O-G	276.	870.	Cooling Pond	Caddo Lk
Lone Star 1	SW Elec Power Co	TX	O-G	50.	0	Cooling Pond	Ellison CR Rvr
Lynch 1-3	Arkansas Power-Light	AR	O-G	259.	309.	Cooling Tower	Wells
McPherson	McPherson	KS	O-G	54.	15.	Cooling Tower	Wells
Minden 1-2	Minden	LA	O-G	25.	38.	Cooling Tower	Wells
Monticello 1-3	Texas Power-Light	TX	C-O	1900.	11055.	Once-Thru	Reservoir
Moore County	SW Public Ser Co	TX	GAS	68.	383.	Cooling Tower	Wells
Mooreland 1-3	West Farmers Ele Cp	OK	O-G	335.	1023.	Cooling Tower	Wells
Mullergren 1-3	Cen Tele-Util	KS	O-G	119.	358.	Cooling Tower	Wells
Muskogee 1-5	Oklahoma Gas-Elec	OK	COG	1318.	5027.	Combination	Arkansas Rvr
Mustang 1-4	Oklahoma Gas-Elec	OK	COG	509.	2634.	Cooling Tower	Municipal
Natchitoches	Natchitoches	LA	O-G	46.	71.	Cooling Tower	Lake
Neosho 1-3	Kansas Gas-Elec	KS	COG	74.	182.	Combination	Neosho Rvr
Nichols 1-3	SW Public Ser Co	TX	GAS	475.	2046.	Cooling Tower	Sewage Effln
Northeastern	Pub Ser Co of Okla	OK	COG	1115.	6919.	Cooling Tower	Lk Oologah
Osage 1-2	Oklahoma Gas-Elec	OK	C-G	25.	2.	Once-Thru	Arkansas Rvr
Pauline 1-2	West Texas Util Co	TX	O-G	40.	31.	Cooling Pond	Lk Pauline
Pueblo 1-3	Cen Tele-Util	CO	O-G	30.	89.	Combination	Arkansas Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-11 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 11 - ARKANSAS-WHITE-RED

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Ripley 1-3	Kansas Gas-Elec	KS	O-G	87.	50.	Cooling Tower	Arkansas Rvr
River Crest 1	Texas Power-Light	TX	O-G	110.	118.	Cooling Pond	Sulphur Rvr
Riverside 1-2	Pub Ser Co of Okla	OK	O-G	945.	5370.	Cooling Tower	Arkansas Rvr
Riverton	Empire Dist Elec	KS	COG	145.	458.	Once-Thru	Spring Rvr
Riverview 5	SW Public Ser Co	TX	GAS	35.	57.	Cooling Tower	Municipal
Rodemacher 1	Cen Louisiana Elec	LA	O-G	450.	2658.	Cooling Pond	Lake
Seminole	Oklahoma Gas-Elec	OK	O-G	1701.	8023.	Cooling Pond	Canadian Rvr
Southwestern	Pub Ser Co of Okla	OK	O-G	483.	1798.	Cooling Tower	Ft Cobb Res
Tulsa 1-4	Pub Ser Co of Okla	OK	GAS	435.	1738.	Cooling Tower	Arkansas Rvr
Valley 1-3	Texas Power-Light	TX	O-G	1176.	2700.	Cooling Pond	Red Rvr
Weleetka 1-3	Pub Ser Co of Okla	OK	GAS	83.	0.	Cooling Tower	N Canadian Rvr
Wellington 2-5	Wellington	KS	O-G	34.	50.	Cooling Tower	Municipal
Welsh 1	SW Elec Power Co	TX	COAL	528.	4614.	Cooling Pond	
Wilkes 1-3	SW Elec Power Co	TX	O-G	879.	4276.	Combination	Johnson Cr Res
Winfield 1-4	Winfield	KS	O-G	45.	76.	Combination	Walnut Rvr

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-12

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 12 - TEXAS-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Bates, JL 1-2	Cen Power-Light	TX	O-G	189.	682.	Cooling Tower	Irrig Dist
Bertron, S 1-4	Houston Light-Power	TX	O-G	826.	3420.	Combination	Houston Channel
Big Brown 1-2	Texas Power-Light	TX	C-G	1187.	7253.	Once-Thru	Big Brown Crk
Braunig, V 1-3	San Antonio	TX	O-G	894.	1232.	Cooling Pond	Sewage Effln
Brownsville 4-6	Brownsville	TX	O-G	53.	151.	Cooling Tower	Municipal
Bryan 1-7	Bryan	TX	O-G	125.	110.	Cooling Tower	Wells
Cedar Bayou 1-3	Houston Light-Power	TX	O-G	2295.	13073.	Combination	Cedar Bayou
Clarke, HO 1-4	Houston Light-Power	TX	O-G	210.	236.	Cooling Tower	Wells
Collin 1	Texas Power-Light	TX	O-G	153.	239.	Cooling Tower	Wells
Concho 3-4	West Texas Util Co	TX	O-G	53.	71.	Cooling Tower	Municipal
Cunningham 1-2	SW Public Ser Co	NM	GAS	265.	1601.	Cooling Tower	Wells
Dallas 3, 9	Dallas Power-Light	TX	O-G	154.	73.	Cooling Tower	Wells
Davis, BM 1-2	Cen Power-Light	TX	O-G	704.	3357.	Combination	Laguna Madre Rvr
Decker Crk 1-2	Austin	TX	O-G	788.	1283	Once-Thru	LK Decker
Decordova	Texas Power-Light	TX	O-G	799.	2634.	Once-Thru	Artificial Lk
Deely 1-2	San Antonio	TX	COG	894.	4633.	Once-Thru	San Antonio
Deepwater 1-8	Houston Light-Power	TX	GAS	354.	766.	Combination	Houston Channel
Denton 1-5	Denton	TX	O-G	193.	364.	Cooling Tower	Sewage Effln
Denver City 2-4	SW Public Ser Co	TX	O-G	80.	293.	Cooling Tower	Wells
Eagle Mtn 1-3	Texas Elec Ser Co	TX	GAS	706.	575.	Cooling Pond	Eagle Mtn Lk
Fayette 1	Lower Colo Rvr Auth	TX	C-O	600.	5305.	Cooling Pond	
Ferguson 1	Lower Colo Rvr Auth	TX	GAS	408.	1190.	Once-Thru	Lake

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-12 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 12 - TEXAS-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Ft Phantom 1-2	West Texas Util Co	TX	O-G	347.	2064.	Once-Thru	Lake
Gable St 6-7	Houston Light-Power	TX	GAS	53.	2.	Cooling Tower	Wells
Gideon 1-3	Lower Colo Rvr Auth	TX	O-G	565.	1199.	Cooling Pond	Colorado Rvr
Graham 1-2	Texas Elec Ser Co	TX	GAS	635.	2252.	Cooling Pond	Graham Lk
Greens Bayou	Houston Light-Power	TX	O-G	821.	2528.	Cooling Tower	Wells
Greenville 1-3	Greenville	TX	O-G	79.	244.	Once-Thru	Reservoir
Handley 1-5	Texas Elec Ser Co	TX	GAS	1434.	2788.	Cooling Pond	LK Arlington
Hill, LC 1-4	Cen Power-Light	TX	O-G	445.	1685.	Cooling Tower	Municipal
Holly Ave 1-2	Lubbock	TX	O-G	108.	463.	Cooling Tower	Municipal
Holly St 1-4	Austin	TX	O-G	628.	662.	Once-Thru	Colorado Rvr
Jones Sta 1-2	SW Public Ser Co	TX	O-G	574.	1806.	Cooling Tower	Sewage Effln
Joslin, Es 1	Cen Power-Light	TX	O-G	261.	1096.	Once-Thru	Lavaca Bay
Knox Lee 1-5	SW Elec Power Co	TX	O-G	537.	2777.	Cooling Pond	Lk Cherokee
La Palma 3-6	Cen Power-Light	TX	O-G	211.	1195.	Cooling Tower	Municipal
Lake Crk 1-2	Texas Power-Light	TX	O-G	315.	86.	Cooling Pond	Brazos Rvr
Leon Creek 1-4	San Antonio	TX	O-G	264.	0	Cooling Tower	Wells
Lewis Crk 1-2	Gulf States Util Co	TX	GAS	543.	3124.	Cooling Pond	San Jacinto
Lk Hubbard 1-2	Dallas Power-Light	TX	O-G	928.	2541.	Once-Thru	Trinity Rvr
Maddox 1	New Mexico Elec Ser	NM	GAS	100.	726.	Cooling Tower	Wells
Martin Lake	Texas Power-Light	TX	C-O	2380.	13369.	Cooling Pond	Martin Lk
Miller 1-3	Brazos Elec Power	TX	O-G	405.	1782.	Once-Thru	Palo Pinto C
Mission Rd 1-3	San Antonio	TX	O-G	164.	0	Cooling Tower	Wells
Morgan Crk 1-6	Texas Elec Ser Co	TX	GAS	827.	3176.	Cooling Pond	Lk Colorado

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-12 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 12 - TEXAS-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Mtn Crk 1-4, 7-8	Dallas Power-Light	TX	O-G	959.	1010.	Once-Thru	Mtn Crk Lk
N Lovington 1-2	Lea Co Elec Coop	NM	O-G	50.	211.	Cooling Tower	Wells
N Main	Texas Elec Ser Co	TX	GAS	81.	56.	Combination	Trinity Rvr
Neches 3-8	Gulf States Util Co	TX	O-G	455.	2423.	Combination	Neches Rvr
Neuces Bay 3-7	Cen Power-Light	TX	O-G	566.	1979.	Once-Thru	Ship Channel
Newman 1-5	Garland	TX	O-G	97.	29.	Cooling Tower	Municipal
North Lake 1-3	Dallas Power-Light	TX	O-G	709.	2092.	Cooling Pond	Elk Fk Trini
North Texas 1-3	Brazos Elec Power	TX	O-G	76.	100.	Once-Thru	Lk Weatherfo
Oak Crk 1	West Texas Util Co	TX	O-G	75.	515.	Cooling Pond	Oak Crk Res
Olinger 1-3	Garland	TX	O-G	345.	1502.	Once-Thru	Lavon Lk
Paint Crk 1-4	West Texas Util Co	TX	O-G	242.	934.	Cooling Pond	Lk Stamford
Parish, Wa 1-6	Houston Light-Power	TX	COG	2723.	16217.	Combination	Dry Crk
Parkdale 1-3	Dallas Power-Light	TX	O-G	341.	300.	Cooling Tower	White Rock Crk
Pearsall 1-3	Medina Elec Coop	TX	O-G	75.	184.	Cooling Tower	Wells
Plant X, 2-4	SW Public Ser Co	TX	O-G	434.	1413.	Cooling Tower	Wells
Plant 2	Lubbock	TX	O-G	80.	168.	Combination	Guadalupe Rvr
Rayburn 3	S Texas Elec Coop	TX	O-G	28.	114.	Combination	Guadalupe Rvr
Robinson 1-5	Houston Light-Power	TX	GAS	2315.	13193.	Combination	Dickinson Bay
Sabine 1-4	Gulf States Util Co	TX	O-G	2051.	8818.	Once-Thru	Sabine Lk
San Angelo 2	West Texas Util Co	TX	O-G	108.	608.	Cooling Pond	Lk Nasworthy
Seaholm 5-9	Austin	TX	O-G	120.	33.	Once-Thru	Colorado Rvr
Sommers, Ow 1-2	San Antonio	TX	O-G	893.	1983.	Cooling Pond	San Antonio
Stryker Crk 1-2	Texas Power-Light	TX	O-G	704.	2656.	Once-Thru	Stryker Cr Res

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE C-12 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 12 - TEXAS-GULF

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Tradinghouse Cr	Texas Power-Light	TX	O-G	1380.	4173.	Cooling Pond	Brazos Rvr
Trinidad 5-6	Texas Power-Light	TX	O-G	310.	404.	Cooling Pond	Trinity Rvr
Tuttle, Wb 1-4	San Antonio	TX	O-G	494.	211.	Cooling Tower	Wells
Victoria 3-6	Cen Power-Light	TX	GAS	554.	1592.	Cooling Tower	Guadalupe Rvr
Webster 1-3	Houston Light-Power	TX	O-G	614.	2184.	Combination	Clear Crk
Wharton, Th 1-4	Houston Light-Power	TX	O-G	323.	1329.	Cooling Tower	Wells

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* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-13

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 13 - RIO GRANDE

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Algodones 1-3	Plains Elec-Tran	NM	O-G	51.	54.	Cooling Tower	Wells
Carlsbad 2-4	SW Public Ser Co	NM	O-G	44.	143.	Combination	Pecos Rvr
Laredo 1-3	Cen Power-Light	TX	O-G	187.	606.	Cooling Tower	Rio Grande Rvr
Newman 1-3	El Paso Elec Serv Co	TX	O-G	285.	1168.	Cooling Tower	Rio Grande Rvr
Newman 4	El Paso Elec Serv Co	TX	COMB	290.	967.	Cooling Tower	Wells
Permian Basin	Texas Elec Ser Co	TX	GAS	707.	2487.	Cooling Tower	Wells
Person 1-4	Pub Ser Co of N Mex	NM	O-G	114.	262.	Cooling Tower	Wells
Prager 5,7-9	Pub Ser Co of N Mex	NM	GAS	32.		Cooling Tower	Wells
Reeves 1-3	Pub Ser Co of N Mex	NM	O-G	175.	572.	Cooling Tower	Wells
Rio Grande 1-8	El Paso Elec Serv Co	NM	O-G	402.	1139.	Cooling Tower	Wells
Rio Pecos	West Texas Util Co	TX	O-G	95.	607.	Cooling Tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-14

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 14 - UPPER COLORADO

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Animas 1-4	Farmington	NM	GAS	32.	99.	Combination	Animas Rvr
Cameo 1-2	Pub Ser Co of Colo	CO	C-G	75.	440.	Cooling Tower	Colorado Rvr
Carbon 1-2	Utah Power-Light	UT	COAL	189.	686.	Cooling Tower	Price Rvr
Emery	Utah Power-Light	UT	COAL	446.	4113.	Cooling Tower	
Four Corner 1-5	Arizona Public Serv	NM	C-G	2270.	13314.	Cooling Pond	San Juan Rvr
Hayden 1-2	Colorado Ute Elec	CO	COAL	465.	2910.	Cooling Tower	Yampa Rvr
Huntington 1-2	Utah Power-Light	UT	C-O	893.	5183.	Cooling Tower	Huntington Rvr
Jim Bridger 1-4	Pacific Power-Light	WY	COAL	2034.	9365.	Cooling Tower	Green Rvr
Naughton 1-3	Utah Power-Light	WY	COAL	707.	4143.	Cooling Tower	Hams Fork
Navajo 1-3	Salt Rvr Proj Power	AZ	COAL	2410.	14293.	Cooling Tower	Lake Powell
Nucla 1-3	Colorado Ute Elec	CO	COAL	35.	141.	Cooling Tower	San Miguel Rvr
San Juan 1-2	Pub Ser Co of N Mex	NM	COAL	652.		Cooling Tower	Artificial Lk

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-15

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 15 - LOWER COLORADO

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Agua Fria 1-3	Salt Rvr Proj Power	AZ	O-G	391.	1265.	Cooling Tower	Irrig Canal
Apache 1,4	Ariz Elec Power Coop	AZ	COG	389.	1893.	Cooling Tower	Wells
Cholla 1-2	Arizona Public Ser	AZ	COAL	377.	3220.	Cooling Pond	Artificial Lk
Clark 1-3	Nevada Power	NV	O-G	190.	892.	Cooling Tower	Wells
Crosscut	Salt Rvr Proj Power	AZ	O-G	30.		Cooling Tower	Canal
Demoss-Petrie	Tucson Gas-Elec	AZ	O-G	105.	82.	Cooling Tower	Wells
Irvington 1-4	Tucson Gas-Elec	AZ	O-G	505.	1588.	Cooling Tower	Wells
Kyrene 1-2	Salt Rvr Proj Power	AZ	O-G	108.	80.	Combination	Canal
Lordsburg 2-4	Community Pub Ser	NM	O-G	42.	92.	Cooling Tower	Wells
Mohave	So Cal Edison	NV	C-G	1636.	5987.	Cooling Tower	Colorado Rvr
Ocotillo 1-2	Arizona Public Ser	AZ	O-G	227.	559.	Cooling Tower	Wells
Saguaro 1-2	Arizona Public Ser	AZ	O-G	250.	352.	Cooling Tower	Wells
Santan 1-4	Salt Rvr Proj Power	AZ	COMB	414.	9.	Cooling Tower	Wells
Sunrise 1	Nevada Power	NV	O-G	82.	562.	Cooling Tower	County Sewer
W Phoenix 1-3	Arizona Public Ser	AZ	COMB	396.	67.	Cooling Tower	Wells
W Phoenix 4-6	Arizona Public Ser	AZ	OIL	116.	47.	Cooling Tower	Wells
Yuma Axis	Arizona Public Ser	AZ	OIL	87.	244.	Cooling Tower	Wells

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-16

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 16 - GREAT BASIN

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Ft Churchill	Sierra Pacific Pow	NV	O-G	210.	1235.	Cooling Pond	Wells
Gadsby 1-3	Utah Power-Light	UT	COG	252.	1079.	Cooling Tower	Jordan Rvr
Hale 1-2	Utah Power-Light	UT	C-G	59.	182.	Once-Thru	Provo Rvr
Jordan	Utah Power-Light	UT	OIL	25.		Once-Thru	Jordan Rvr
Tracy 1-3	Sierra Pacific Pow	NV	O-G	243.	714.	Combination	Truckee Rvr

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* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

TABLE C-17

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 17 - PACIFIC NORTHWEST

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Centralia 1-2	Pacific Power-Light	WA	COAL	1330.	7141.	Cooling Tower	Skookumchuck
Hanford Generat	Wash Pub Pow Sup Sys	WA	PWR	860.	2042.	Once-Thru	Columbia Rvr
Lake Union	Seattle Depart Light	WA	OIL	40.		Once-Thru	Lake Union
Shuffleton 1-2	Puget Sound P-L	WA	OIL	88.	84.	Once-Thru	Lake Washington
Trojan	Portland Gen Electr	ORE	PWR	1130.	5395.	Cooling Tower	Columbia Rvr
Weyco	Eugene Wtr Elec	ORE	O-G	51.	160.	Once-Thru	

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-18

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 18 - CALIFORNIA

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Alamitos 1-6	So Cal Edison	CA	O-G	1982.	8359.	Once-Thru	Pacific Ocn
Avon	Pacific Gas-Elec	CA	O-G	40.	275.	Cooling Tower	
Broadway 1-3	Pasadena Wtr-Pwr	CA	O-G	161.	363.	Cooling Tower	Municipal
Contra Costa	Pacific Gas-Elec	CA	O-G	1260.	4650.	Once-Thru	San Joaquin
Coolwater 1-2	So Cal Edison	CA	O-G	146.	882.	Cooling Tower	Wells
El Centro 1-4	Imperial Irrigation	CA	O-G	189.	349.	Cooling Tower	Storage Basin
El Segundo 1-4	So Cal Edison	CA	O-G	997.	4199.	Once-Thru	Pacific Ocn
Encina 1-5	San Diego Gas-Elec	CA	O-G	957.	5519.	Once-Thru	Pacific Ocn
Etiwanda 1-4	So Cal Edison	CA	O-G	904.	4333.	Cooling Tower	California A
Geysers 1-12	Pacific Gas-Elec	CA	GEOT	1005.	5073.	Cooling Tower	Wells
Glenarm 8-9	Pasadena Wtr-Pwr	CA	O-G	65.	2.	Cooling Tower	Municipal
Grayson 1-5	Glendale Pub Service	CA	O-G	163.	216.	Cooling Tower	Wells
Harbor 1-5	Los Angeles Wtr-Pwr	CA	O-G	388.	279.	Once-Thru	Pacific Ocn
Haynes 1-6	Los Angeles Wtr-Pwr	CA	O-G	1606.	5891.	Once-Thru	Pacific Ocn
Highgrove 1-4	So Cal Edison	CA	O-G	169.	34.	Cooling Tower	Wells
Humboldt 1-2	Pacific Gas-Elec	CA	O-G	105.	384.	Once-Thru	Pacific Ocn
Hunters Pt 2-4	Pacific Gas-Elec	CA	O-G	356.	1775.	Once-Thru	San Fran. Bay
Huntington Beach	So Cal Edison	CA	O-G	870.	3474.	Once-Thru	Pacific Ocn
Kern 1-2	Pacific Gas-Elec	CA	O-G	180.	531.	Cooling Tower	Deep Wells
Long Beach 1-9	So Cal Edison	CA	COMB	587.	641.	Once-Thru	Pacific Ocn
Long Bch 10-11	So Cal Edison	CA	O-G	180.	15.	Once-Thru	Pacific Ocn
Mangolia 1-5	Burbank	CA	O-G	78.	92.	Cooling Tower	Wells
Mandalay 1-2	So Cal Edison	CA	O-G	430.	2358.	Once-Thru	Pacific Ocn

* = Plant Capacity in MW

** = Net Generation in 10⁶ kW-hr

TABLE C-18 (Cont'd)

STEAM-ELECTRIC POWER PLANTS
BY WATER RESOURCE REGIONS

REGION 18 - CALIFORNIA

PLANT	UTILITY	STATE	TYPE	CAP.*	GENERATION**	COOLING	
						TYPE	SOURCE
Martinez	Pacific Gas-Elec	CA	OIL	46.	299.	Cooling Tower	Canal
Morro Bay 1-4	Pacific Gas-Elec	CA	O-G	1056.	4692.	Once-Thru	Pacific Ocn
Moss Ldg 1-7	Pacific Gas-Elec	CA	O-G	2152.	8402.	Once-Thru	Pacific Ocn
Oleum 1-2	Pacific Gas-Elec	CA	O-G	80.	220.	Once-Thru	San Pablo Bay
Olive 1-2	Burbank Pub Service	CA	O-G	109.	417.	Cooling Tower	Wells
Ormond Bch 1-2	So Cal Edison	CA	O-G	1613.	6091.	Once-Thru	Pacific Ocn
Pittsburg 1-7	Pacific Gas-Elec	CA	O-G	2029.	6820.	Once-Thru	Suisun Bay
Potrero 1-3	Pacific Gas-Elec	CA	O-G	318.	983.	Once-Thru	San Fran. Bay
Rancho Seco	Sacramento Municipal	CA	PWR	918.	4415.	Cooling Tower	Folsom S. Canal
Redondo Bch 1-8	So Cal Edison	CA	O-G	1579.	5942.	Once-Thru	Pacific Ocn
San Bernardino	So Cal Edison	CA	O-G	126.	649.	Cooling Tower	Wells
San Onofre 1	So Cal Edison	CA	PWR	432.	817.	Once-Thru	Pacific Ocn
Scattergood 1-3	Los Angeles Wtr-Pwr	CA	O-G	823.	2994.	Once-Thru	Pacific Ocn
Silver Gate 1-4	San Diego Gas-Elec	CA	O-G	247.	302.	Once-Thru	San Diego Bay
South Bay 1-4	San Diego Gas-Elec	CA	O-G	714.	3157.	Once-Thru	San Diego Bay
Station B	San Diego Gas-Elec	CA	O-G	93.	25.	Once-Thru	San Diego Bay
Valley 1-4	Los Angeles Wtr-Pwr	CA	O-G	546.	1024.	Cooling Tower	Municipal

* = Plant Capacity in MW

** = Net Generation in 10^6 kW-hr

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AG Blasewitz	W/C-31	WE Roake	W/C-16
HA Carlson	W/C-32	JC Sonnichsen (2)	W/C-32
PD Charles (2)	W/C-32	LA Tadlock (2)	W/C-32
EA Evans	W/C-23	HH Yoshikawa	W/C-44
SR Fields	W/C-32	Central Files (5)	W/C-110
LD Jacobson (2)	W/C-32	Publ Services (2)	W/C-115