

# **Summary Data on Cooling Water Use at Utilities and Nonutilities**



**Prepared for U.S. Department of Energy  
Office of Fossil Energy and Office of Policy and  
International Affairs  
under Contract W-31-109-Eng-38**

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**August 1999**

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### Background

The U.S. Environmental Protection Agency (EPA) is currently developing regulations to implement §316(b) of the Clean Water Act. Section 316(b) specifies that “any standard established pursuant to section 301 or section 306 of this Act and applicable to a point source shall require that the location, design, construction, and capacity of cooling water intake structures reflect the best technology available for minimizing adverse environmental impact.” The EPA initially planned to propose regulations by the summer of 1999; however, it has postponed that date indefinitely.

In the fall of 1998, the U.S. Department of Energy (DOE), recognizing the potential of the proposed §316(b) regulations to cause economic impacts on the electric power industry, commissioned Argonne National Laboratory (Argonne) to collect information on cooling water use patterns at utility and nonutility electricity generating facilities. One purpose of the project was to estimate whether the economic impacts of the final §316(b) regulations would cause some companies to shut down generating units or to switch units to part-time or seasonal operation rather than retrofit existing units with new compliant technologies. If such reductions in generating capacity were clustered in particular states or regions, electricity reliability problems could occur.

Argonne began collecting information on the subset of electric generating facilities that use once-through cooling systems. These are the facilities that potentially could be affected by the §316(b) regulations. Extensive discussion took place between DOE and Argonne about the scope of the study. A tentative project scope was described at an April 1999 conference on §316(b) issues sponsored by the Electric Power Research Institute and DOE (Veil 1999). After hearing remarks by an EPA representative at the same conference, however, it became apparent that a study on electricity reliability effects of the §316(b) regulations would not be appropriate or necessary. Consequently, the DOE project managers (Debra Littleton and David Moses) directed Argonne to discontinue work on the reliability study and to compile the data that had been collected into a data summary report. This document represents a compilation of the information Argonne has collected to date on the following:

- Cooling water use at utilities,
- Cooling water use at nonutilities,
- Estimated capital costs for retrofitting cooling towers at plants presently using once-through cooling,
- Operations and maintenance (O&M) costs for retrofitted cooling towers,
- Size of the energy penalty experienced by plants converting from once-through cooling

- systems to cooling towers, and
- Amount of outage time needed to retrofit cooling towers at a plant presently using once-through cooling.

Each of these topics is discussed in the following sections.

### Cooling Water Use at Utilities

For 1997, DOE's Energy Information Administration (EIA) reported that U.S. generators produced 778,513 megawatts (MW) of electricity. Utilities produced 711,889 MW, whereas 74,021 MW was generated by nonutility sources. The EIA noted that its methodology does not permit direct summation of the utility and nonutility totals (EIA 1998a). The Edison Electric Institute (EEI) reported that of the utility total, approximately 584,000 MW can be attributed to steam electric plants that require a cooling cycle. Of these, about 44% utilize once-through cooling systems, and another 5% utilize a combination of once-through cooling and closed-cycle cooling (EEI 1996).

Argonne attempted to identify all utility units that use just once-through cooling systems or use once-through systems in conjunction with other cooling systems like helper cooling towers. Information on these units was stored in a Microsoft Access database. A printout of the database is attached as Appendix 1. The database contains 12 data fields for 1,321 different generating units representing 288,633 MW. The data are arranged alphabetically by plant name. "Plant Name" provides the name of the plant. Two-letter state abbreviations appear after those plants that have the same name as plants in other states. "Utility Name" specifies the name of the operating utility company. "State" denotes the state in which the plant is located. "Utility/Plant/Unit ID" furnishes the respective utility, plant, and unit identification numbers assigned by the EIA. "MW" provides the plant's nameplate unit capacity in megawatts. "Status" explains whether the plant is in commercial operation or on standby, shut down, or in economic reserve. "Year" specifies the actual or projected year of commercial operation. "Fuel" denotes whether the plant's primary fuel is coal, gas, oil, refuse-derived, uranium, or wood. "Water" furnishes information pertaining to the type of cooling water used at the plant (i.e., brackish, fresh, ground, municipal, saline, or unknown). "Cooling System" explains whether the plant uses a once-through, closed cycle, combination or mixed mode of cooling.

The data were extracted primarily from the latest version of the EEI Power Statistics Data Base (EEI 1996), which includes data compiled through December 1995. The unit, plant, and utility identification numbers were obtained from the EIA's Form EIA-767 database. Identification numbers were not included for certain plants and utilities because Form EIA-767 does not provide data for U.S. entities (Guam, Puerto Rico, and Virgin Islands) other than the 50 states. Identification numbers could not be secured for a few additional units that are reported in the EEI Power Statistics Database. These facilities are either very small or nonoperational.

### Cooling Water Use at Nonutilities

No comprehensive data were previously available on the types of cooling water systems used by nonutility facilities. Therefore, any cooling water data collected for the nonutility sector had to be conducted by directly contacting facilities. Approximately 2,000 nonutility electricity generating facilities exist in the United States, far too many to be contacted individually (EIA 1998b). The generating capacity of these plants ranges from 1 to 1,849 MW. Argonne determined that 56% of the total nonutility capacity (41,494 MW) could be captured by examining only the 123 facilities generating at least 150 MW. Each of these facilities was contacted, and the results were entered into a database. Argonne obtained cooling water use information from an additional 58 waste-to-energy facilities, which represent about 2,200 MW and entered it into another database. Both these databases have been included in a manuscript submitted for publication in a scientific journal in June 1999 (Veil et al. 1999). A copy of the manuscript is attached as Appendix 2.

Only a relatively small portion of nonutility power sources utilize once-through cooling. The percentage of the generating capacity using once-through cooling ranges from 11 to 17% in the two subsets of the nonutility population that were studied. A conservative estimate of the total once-through nonutility power generation yields 15,372 MW, which is equivalent to only 6% of the utility capacity employing once-through cooling.

#### Estimated Capital Costs for Retrofitting Cooling Towers at Plants Presently Using Once-Through Cooling

If Argonne were asked to estimate the current capital costs for retrofitting cooling towers at plants presently using once-through cooling, it would use the cost rates developed in a previous Argonne study (Veil 1993) and scale up the report's 1992 dollars to 1998 dollars by a factor of 1.19, as indicated by the Construction Cost Index (Engineering News Record 1999). The resulting cost rates would be \$125/kilowatt (kw) to \$128/kw for fossil-fuel plants and \$203/kw to \$239/kw for nuclear plants.

#### Operations and Maintenance (O&M) Costs for Retrofitted Cooling Towers

Stone and Webster (1992) has estimated that O&M costs of cooling towers are approximately 0.7% of capital costs. Such a small percentage easily falls within the margin of error of our cost estimate. Consequently, O&M costs are considered to be negligible in relation to capital costs.

#### Size of the Energy Penalty Experienced by Plants Converting from Once-Through Cooling Systems to Cooling Towers

When a generating unit is switched from once-through cooling to a cooling tower system, the net amount of energy produced by the unit is diminished by an amount known as the energy penalty. The energy penalty is caused by a reduction in turbine back pressure and the need to operate more recirculating pumps to lift cooling water into the cooling tower structure. Veil et al. (1993) surveyed literature values of the energy penalty and found a range of 1.0 to 5.8%.

Most values fell within the range of 1.5 to 2.5% for fossil-fuel plants and 2.0 to 3.0% for nuclear plants.

### The Amount of Outage Time Needed to Retrofit Cooling Towers at a Plant Presently Using Once-Through Cooling

Argonne contacted representatives from cooling tower manufacturers, construction engineering firms, and utilities and learned that it is impossible to generalize the length of outage needed to convert a once-through cooling system to a cooling tower. If a plant has adequate land area to build a tower while the plant is in service, it may be possible to connect the tower to the cooling system during a scheduled one- to two-month outage. In other cases, the plant layout does not allow simultaneous construction of the new system, and the needed outage could be as long as one year.

### Final Notes

Some of the data reported here are compilations of existing information (e.g., utility cooling water use information); other data are completely new (e.g., nonutility cooling water use information, time needed for retrofit). Although the proposed study on electricity reliability has been postponed indefinitely, the information included in this summary report should be useful for the ongoing §316(b) rulemaking and for future analyses.

### References

EI, 1996, *Environmental Directory of US Powerplants*, Edison Electric Institute, Washington, DC.

EIA, 1998a, *Electric Power Annual 1997, Volume II*, U.S. Department of Energy, Energy Information Administration, DOE/EIA-0348(97)/2, October.

EIA, 1998b, *Inventory of Power Plants in the United States As of January 1, 1998*, U.S. Department of Energy, Energy Information Administration, DOE/EIA-0095(98), December.

Engineering News Record, 1999, website at [<http://www.enr.com/cost/costcci.asp>]

Stone and Webster, 1992, *Evaluation of the Potential Costs and Environmental Impacts of Retrofitting Cooling Towers on Existing Steam Electric Power Plants That Have Obtained Variances under Section 316(a) of the Clean Water Act*, prepared for Edison Electric Institute, Washington, DC.

Veil, J.A., 1993, *Impact on the Steam Electric Power Industry of Deleting Section 316(a) of the Clean Water Act: Capital Costs*, ANL/EAIS-4, Argonne National Laboratory, Argonne, IL, January.

Veil, J.A., J.C. VanKuiken, S. Folga, and J.L. Gillette, 1993, *Impact on the Steam Electric Power Industry of Deleting Section 316(a) of the Clean Water Act: Energy and Environmental Impacts*, ANL/EAIS-5, Argonne National Laboratory, Argonne, IL, January.

Veil, J.A., 1999, "Potential Impacts of 316(b) Regulatory Controls on Economics, Electricity Reliability, and the Environment," in *Proceedings of the Power Generation Impacts on Aquatic Resources Conference*, sponsored by the Electric Power Research Institute and the U.S. Department of Energy, April 12-15, 1999, Atlanta, GA.

Veil, J.A., and M.G. Puder, D.J. Littleton, and D.O. Moses, 1999, "Cooling Water Use Patterns at U.S. Nonutility Electric Generating Stations," manuscript submitted for publication in *Environmental Science & Policy*, June.

Appendix 1 - Electric Utilities and Their Cooling Systems (printout of Microsoft Access Database)

## *Electric Utilities and Their Cooling Systems*

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>		<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>	
ADVANCE	WOLVERINE PWR SUPPLY COOP	MI	20910	1869	2	7.5	Operational	1953	COAL	FRESH	ONCE THROUGH
ADVANCE	WOLVERINE PWR SUPPLY COOP	MI	20910	1869	3	22	Operational	1967	COAL	FRESH	ONCE THROUGH
ADVANCE	WOLVERINE PWR SUPPLY COOP	MI	20910	1869	1	7.5	Operational	1953	COAL	FRESH	ONCE THROUGH
AGUIRRE	PUERTO RICO ELEC PWR AUTH	PR	15497		1	485	Operational	1975	OIL	SALINE	ONCE THROUGH
AGUIRRE	PUERTO RICO ELEC PWR AUTH	PR	15497		2	485	Operational	1975	OIL	SALINE	ONCE THROUGH
ALAMITOS	SOUTHERN CALIF EDISON CO	CA	17609	315	3	333	Operational	1961	GAS	SALINE	ONCE THROUGH
ALAMITOS	SOUTHERN CALIF EDISON CO	CA	17609	315	4	333	Operational	1962	GAS	SALINE	ONCE THROUGH
ALAMITOS	SOUTHERN CALIF EDISON CO	CA	17609	315	6	495	Operational	1966	GAS	SALINE	ONCE THROUGH
ALAMITOS	SOUTHERN CALIF EDISON CO	CA	17609	315	2	163	Operational	1957	GAS	SALINE	ONCE THROUGH
ALAMITOS	SOUTHERN CALIF EDISON CO	CA	17609	315	1	163	Operational	1956	GAS	SALINE	ONCE THROUGH
ALAMITOS	SOUTHERN CALIF EDISON CO	CA	17609	315	5	495	Operational	1966	GAS	SALINE	ONCE THROUGH
ALBANY	NIAGARA MOHAWK POWER CORP	NY	13573	2539	1	100	Operational	1952	GAS	FRESH	ONCE THROUGH



<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
ALBANY	NIAGARA MOHAWK POWER CORP	NY	13573	2539	2	100	Operational	1952	GAS	FRESH	ONCE THROUGH
ALBANY	NIAGARA MOHAWK POWER CORP	NY	13573	2539	3	100	Operational	1953	GAS	FRESH	ONCE THROUGH
ALBANY	NIAGARA MOHAWK POWER CORP	NY	13573	2539	4	100	Operational	1954	OIL	FRESH	ONCE THROUGH
ALBRIGHT	MONONGAHELA POWER CO	WV	12796	3942	2	69	Operational	1952	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
ALBRIGHT	MONONGAHELA POWER CO	WV	12796	3942	3	140	Operational	1954	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
ALBRIGHT	MONONGAHELA POWER CO	WV	12796	3942	1	69	Operational	1952	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
ALLEN	DUKE POWER CO	NC	5416	2718	5	275	Operational	1961	COAL	FRESH	ONCE THROUGH
ALLEN	DUKE POWER CO	NC	5416	2718	1	165	Operational	1957	COAL	FRESH	ONCE THROUGH
ALLEN	DUKE POWER CO	NC	5416	2718	2	165	Operational	1957	COAL	FRESH	ONCE THROUGH
ALLEN	DUKE POWER CO	NC	5416	2718	3	275	Operational	1959	COAL	FRESH	ONCE THROUGH
ALLEN	DUKE POWER CO	NC	5416	2718	4	275	Operational	1960	COAL	FRESH	ONCE THROUGH
ALLEN S KING	NORTHERN STATES POWER CO	MN	13781	1915	1	598	Operational	1968	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ALMA	DAIRYLAND POWER COOP	WI	4716	4140	2	15	Operational	1947	COAL	FRESH	ONCE THROUGH
ALMA	DAIRYLAND POWER COOP	WI	4716	4140	3	15	Operational	1951	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
ALMA	DAIRYLAND POWER COOP	WI	4716 4140 4	54.4	Operational	1957	COAL	FRESH	ONCE THROUGH
ALMA	DAIRYLAND POWER COOP	WI	4716 4140 5	81.6	Operational	1959	COAL	FRESH	ONCE THROUGH
ALMA	DAIRYLAND POWER COOP	WI	4716 4140 1	15	Operational	1947	COAL	FRESH	ONCE THROUGH
AM WILLIAMS	SOUTH CAROLINA GEN CO	SC	17554 3298 1	633	Operational	1973	COAL	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ANCLOTE	FLORIDA POWER CORP	FL	6455 8048 1	556	Operational	1974	OIL	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ANCLOTE	FLORIDA POWER CORP	FL	6455 8048 2	556	Operational	1978	OIL	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ANDRUS	MISSISSIPPI POWER & LIGHT	MS	12685 8054 1	782	Operational	1974	OIL	FRESH	ONCE THROUGH
ANIMAS	FARMINGTON ELEC UTIL	NM	6204 2465 4	16.5	Operational	1959	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ANIMAS	FARMINGTON ELEC UTIL	NM	6204 2465 3	9	Operational	1958	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ANIMAS	FARMINGTON ELEC UTIL	NM	6204 2465 1	3	Standby	1955	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ANIMAS	FARMINGTON ELEC UTIL	NM	6204 2465 2	3	Standby	1955	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ARKANSAS ONE	ENTERGY OPERATIONS INC	AR	6001 8055 1	903	Operational	1974	UR	FRESH	ONCE THROUGH
ARKWRIGHT	GEORGIA POWER CO	GA	7140 699 4	49	Operational	1948	COAL	FRESH	ONCE THROUGH
ARKWRIGHT	GEORGIA POWER CO	GA	7140 699 3	40.3	Operational	1943	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
ARKWRIGHT	GEORGIA POWER CO	GA	7140 699 2	46	Operational	1942	COAL	FRESH	ONCE THROUGH
ARKWRIGHT	GEORGIA POWER CO	GA	7140 699 1	46	Operational	1941	COAL	FRESH	ONCE THROUGH
ARMSTRONG	WEST PENN POWER CO	PA	20387 3178 1	163	Operational	1958	COAL	FRESH	ONCE THROUGH
ARMSTRONG	WEST PENN POWER CO	PA	20387 3178 2	163	Operational	1959	COAL	FRESH	ONCE THROUGH
ARTHUR KILL	CONSOLIDATED EDISON CO	NY	4226 2490 2	376	Operational	1959	GAS	SALINE	ONCE THROUGH
ARTHUR KILL	CONSOLIDATED EDISON CO	NY	4226 2490 3	536	Operational	1969	GAS	SALINE	ONCE THROUGH
ASHTABULA	CLEVELAND ELEC ILLUM CO	OH	3755 2835 5	256	Operational	1958	COAL	FRESH	ONCE THROUGH
ASHTABULA	CLEVELAND ELEC ILLUM CO	OH	3755 2835 6	46	Operational	1949	COAL	FRESH	ONCE THROUGH
ASHTABULA	CLEVELAND ELEC ILLUM CO	OH	3755 2835 7	46	Operational	1949	COAL	FRESH	ONCE THROUGH
ASHTABULA	CLEVELAND ELEC ILLUM CO	OH	3755 2835 8	46	Operational	1948	COAL	FRESH	ONCE THROUGH
ASHTABULA	CLEVELAND ELEC ILLUM CO	OH	3755 2835 9	46	Operational	1948	COAL	FRESH	ONCE THROUGH
ASTORIA (NY)	CONSOLIDATED EDISON CO	NY	4226 8906 3	376	Operational	1958	GAS	SALINE	ONCE THROUGH
ASTORIA (NY)	CONSOLIDATED EDISON CO	NY	4226 8906 5	387	Operational	1962	GAS	SALINE	ONCE THROUGH
ASTORIA (NY)	CONSOLIDATED EDISON CO	NY	4226 8906 4	387	Operational	1961	GAS	SALINE	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
ATKINSON	GEORGIA POWER CO	GA	7140	700	3	63	Operational	1945	GAS	FRESH	ONCE THROUGH
ATKINSON	GEORGIA POWER CO	GA	7140	700	4	75	Operational	1948	GAS	FRESH	ONCE THROUGH
ATKINSON	GEORGIA POWER CO	GA	7140	700	2	60	Operational	1941	GAS	FRESH	ONCE THROUGH
AVON LAKE	CLEVELAND ELEC ILLUM CO	OH	3755	2336	7	86	Operational	1949	COAL	FRESH	ONCE THROUGH
AVON LAKE	CLEVELAND ELEC ILLUM CO	OH	3755	2336	9	680	Operational	1970	COAL	FRESH	ONCE THROUGH
AVON LAKE	CLEVELAND ELEC ILLUM CO	OH	3755	2336	6	86	Operational	1949	COAL	FRESH	ONCE THROUGH
AVON PARK	FLORIDA POWER CORP	FL	6455		2	46	Standby	1952	OIL	FRESH	ONCE THROUGH
BAILEY	ARKANSAS ELEC COOP CORP	AR	807	202	1	122	Operational	1966	GAS	FRESH	ONCE THROUGH
BAILLY	NO INDIANA PUBLIC SERVICE	IN	13756	995	7	194	Operational	1962	COAL	FRESH	ONCE THROUGH
BAILLY	NO INDIANA PUBLIC SERVICE	IN	13756	995	8	422	Operational	1968	COAL	FRESH	ONCE THROUGH
BARNEY DAVIS	CENTRAL POWER & LIGHT CO	TX	3278	4939	1	353	Operational	1974	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER POND)
BARNEY DAVIS	CENTRAL POWER & LIGHT CO	TX	3278	4939	2	351	Operational	1976	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER POND)
BARRY	ALABAMA POWER CO	AL	195	3	4	404	Operational	1969	COAL	FRESH	ONCE THROUGH
BARRY	ALABAMA POWER CO	AL	195	3	5	789	Operational	1971	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
BARRY	ALABAMA POWER CO	AL	195 3 3	272	Operational	1959	COAL	FRESH	ONCE THROUGH
BARRY	ALABAMA POWER CO	AL	195 3 2	153	Operational	1954	COAL	FRESH	ONCE THROUGH
BARRY	ALABAMA POWER CO	AL	195 3 1	153	Operational	1954	COAL	FRESH	ONCE THROUGH
BARTOW	FLORIDA POWER CORP	FL	6455 634 2	128	Operational	1961	OIL	SALINE	ONCE THROUGH
BARTOW	FLORIDA POWER CORP	FL	6455 634 3	239	Operational	1963	OIL	SALINE	ONCE THROUGH
BARTOW	FLORIDA POWER CORP	FL	6455 634 1	128	Operational	1958	OIL	SALINE	ONCE THROUGH
BAXTER WILSON	MISSISSIPPI POWER & LIGHT	MS	12685 2050 1	545	Operational	1966	GAS	FRESH	ONCE THROUGH
BAXTER WILSON	MISSISSIPPI POWER & LIGHT	MS	12685 3050 2	783	Operational	1971	OIL	FRESH	ONCE THROUGH
BAY FRONT	NORTHERN STATES POWER CO	WI	13781 3982 4	20	Operational	1954	WOOD	FRESH	ONCE THROUGH
BAY FRONT	NORTHERN STATES POWER CO	WI	13781 3982 6	27	Operational	1960	WOOD	FRESH	ONCE THROUGH
BAY FRONT	NORTHERN STATES POWER CO	WI	13781 3982 5	20	Operational	1952	COAL	FRESH	ONCE THROUGH
BAY SHORE	TOLEDO EDISON CO	OH	18997 2878 1	141	Operational	1955	COAL	FRESH	ONCE THROUGH
BAY SHORE	TOLEDO EDISON CO	OH	18997 2878 2	141	Operational	1959	COAL	FRESH	ONCE THROUGH
BAY SHORE	TOLEDO EDISON CO	OH	18997 2878 3	141	Operational	1963	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
BAY SHORE	TOLEDO EDISON CO	OH	18997 2878 4	218	Operational	1968	COAL	FRESH	ONCE THROUGH
BAYSIDE	TRAVERSE CITY LT & POWER	MI	19125 1859 2	5	Standby	1950	COAL	FRESH	ONCE THROUGH
BAYSIDE	TRAVERSE CITY LT & POWER	MI	19125 1859 3	7.5	Standby	1954	GAS	FRESH	ONCE THROUGH
BAYSIDE	TRAVERSE CITY LT & POWER	MI	19125 1859 1	2.5	Standby	1946	COAL	FRESH	ONCE THROUGH
BAYSIDE	TRAVERSE CITY LT & POWER	MI	19125 1859 4	16.5	Operational	1968	COAL	FRESH	ONCE THROUGH
BC COBB	CONSUMERS POWER CO	MI	4254 1695 4	156	Operational	1956	COAL	FRESH	ONCE THROUGH
BC COBB	CONSUMERS POWER CO	MI	4254 1695 5	156	Operational	1957	COAL	FRESH	ONCE THROUGH
BELLE RIVER	DETROIT EDISON CO	MI	5109 6034 2	698	Operational	1985	COAL	FRESH	ONCE THROUGH
BELLE RIVER	DETROIT EDISON CO	MI	5109 6034 1	698	Operational	1984	COAL	FRESH	ONCE THROUGH
BERGEN	PUBLIC SERVICE ELEC & GAS	NJ	15477 2398 1	325	Operational	1959	GAS	BRACKISH	ONCE THROUGH
BERGEN	PUBLIC SERVICE ELEC & GAS	NJ	15477 2398 2	325	Operational	1960	GAS	BRACKISH	ONCE THROUGH
BF CLEARY	TAUNTON MUNI LIGHT CO	MA	18488 1682 8	28.3	Operational	1966	OIL	BRACKISH	ONCE THROUGH
BIG BEND (FL)	TAMPA ELECTRIC CO	FL	18454 645 4	486	Operational	1985	COAL	SALINE	ONCE THROUGH
BIG BEND (FL)	TAMPA ELECTRIC CO	FL	18454 645 3	446	Operational	1976	COAL	SALINE	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
BIG BEND (FL)	TAMPA ELECTRIC CO	FL	18454 645 1	446	Operational	1970	COAL	SALINE	ONCE THROUGH
BIG BEND (FL)	TAMPA ELECTRIC CO	FL	18454 645 2	446	Operational	1973	COAL	SALINE	ONCE THROUGH
BIG BROWN	TEXAS UTILITIES ELEC CO	TX	44372 3497 1	593	Operational	1971	COAL	FRESH	ONCE THROUGH
BIG BROWN	TEXAS UTILITIES ELEC CO	TX	44372 3497 2	593	Operational	1972	COAL	FRESH	ONCE THROUGH
BIG CAJUN TWO	CAJUN ELECTRIC POWER COOP	LA	2777 6055 3	560	Operational	1983	COAL	FRESH	ONCE THROUGH
BL ENGLAND	ATLANTIC CITY ELECTRIC CO	NJ	963 2378 2	163	Operational	1964	COAL	BRACKISH	ONCE THROUGH
BL ENGLAND	ATLANTIC CITY ELECTRIC CO	NJ	963 2378 1	136	Operational	1962	COAL	BRACKISH	ONCE THROUGH
BLACK DOG	NORTHERN STATES POWER CO	MN	13781 1904 1	81	Operational	1952	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
BLACK DOG	NORTHERN STATES POWER CO	MN	13781 1904 2	100	Operational	1954	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
BLACK DOG	NORTHERN STATES POWER CO	MN	13781 1904 3	102	Operational	1955	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
BLACK DOG	NORTHERN STATES POWER CO	MN	13781 1904 4	162	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
BLACKHAWK	WISCONSIN POWER & LIGHT	WI	20856 4048 3	25	Operational	1946	GAS	FRESH	ONCE THROUGH
BLACKHAWK	WISCONSIN POWER & LIGHT	WI	20856 4048 4	25	Operational	1948	GAS	FRESH	ONCE THROUGH
BLACKSTONE STREET	CAMBRIDGE ELEC LIGHT CO	MA	2886 1594 1	12.5	Operational	1930	GAS	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
BLOUNT STREET	MADISON GAS & ELEC CO	WI	11479 3992 6	44	Operational	1957	GAS	FRESH	ONCE THROUGH
BLOUNT STREET	MADISON GAS & ELEC CO	WI	11479 3992 7	44	Operational	1961	GAS	FRESH	ONCE THROUGH
BLOUNT STREET	MADISON GAS & ELEC CO	WI	11479 3992 5	25	Operational	1948	GAS	FRESH	ONCE THROUGH
BLOUNT STREET	MADISON GAS & ELEC CO	WI	11479 3992 4	20	Operational	1938	COAL	FRESH	ONCE THROUGH
BLOUNT STREET	MADISON GAS & ELEC CO	WI	11479 3992 3	33	Operational	1953	GAS	FRESH	ONCE THROUGH
BLOUNT STREET	MADISON GAS & ELEC CO	WI	11479 3992 1	12.5	Operational	1925	GAS	FRESH	ONCE THROUGH
BOWLINE POINT	ORANGE & ROCKLAND UTIL	NY	14154 2625 1	621	Operational	1972	OIL	BRACKISH	ONCE THROUGH
BOWLINE POINT	ORANGE & ROCKLAND UTIL	NY	14154 2625 2	621	Operational	1974	GAS	BRACKISH	ONCE THROUGH
BRAYTON POINT	NEW ENGLAND POWER CO	MA	13433 1619 4	476	Operational	1974	OIL	SALINE	ONCE THROUGH
BRAYTON POINT	NEW ENGLAND POWER CO	MA	13433 1619 1	241	Operational	1963	COAL	SALINE	ONCE THROUGH
BRAYTON POINT	NEW ENGLAND POWER CO	MA	13433 1619 2	241	Operational	1964	COAL	SALINE	ONCE THROUGH
BRAYTON POINT	NEW ENGLAND POWER CO	MA	13433 1619 3	643	Operational	1969	COAL	SALINE	ONCE THROUGH
BREMO BLUFF	VIRGINIA ELEC & POWER CO	VA	19876 3796 4	185	Operational	1958	COAL	FRESH	ONCE THROUGH
BREMO BLUFF	VIRGINIA ELEC & POWER CO	VA	19876 3796 3	69	Operational	1950	COAL	FRESH	ONCE THROUGH



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BRIDGEPORT HARBOR	UNITED ILLUMINATING CO	CT	19497	568	2	180	Operational	1961	OIL	SALINE	ONCE THROUGH
BRIDGEPORT HARBOR	UNITED ILLUMINATING CO	CT	19497	568	3	400	Operational	1968	COAL	SALINE	ONCE THROUGH
BROWNS FERRY	TENNESSEE VALLEY AUTH	AL	18642	46	1	1152	Standby	1974	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
BROWNS FERRY	TENNESSEE VALLEY AUTH	AL	18642	46	2	1152	Operational	1975	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
BROWNS FERRY	TENNESSEE VALLEY AUTH	AL	18642	46	3	1152	Operational	1977	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
BRUNNER ISLAND	PENNSYLVANIA POWER & LT	PA	14715	3140	1	363	Operational	1961	COAL	FRESH	ONCE THROUGH
BRUNNER ISLAND	PENNSYLVANIA POWER & LT	PA	14715	3140	2	405	Operational	1965	COAL	FRESH	ONCE THROUGH
BRUNNER ISLAND	PENNSYLVANIA POWER & LT	PA	14715	3140	3	790	Operational	1969	COAL	FRESH	ONCE THROUGH
BRUNSWICK (NC)	CAROLINA POWER & LIGHT CO	NC	3046	6014	1	867	Operational	1977	UR	SALINE	ONCE THROUGH
BRUNSWICK (NC)	CAROLINA POWER & LIGHT CO	NC	3046	6014	2	867	Operational	1975	UR	SALINE	ONCE THROUGH
BUCK (NC)	DUKE POWER CO	NC	5416	2720	3	80	Standby	1941	COAL	FRESH	ONCE THROUGH
BUCK (NC)	DUKE POWER CO	NC	5416	2720	4	40	Standby	1942	COAL	FRESH	ONCE THROUGH
BUCK (NC)	DUKE POWER CO	NC	5416	2720	5	125	Operational	1953	COAL	FRESH	ONCE THROUGH
BUCK (NC)	DUKE POWER CO	NC	5416	2720	6	125	Operational	1953	COAL	FRESH	ONCE THROUGH

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BULL RUN (TN)	TENNESSEE VALLEY AUTH	TN	18642	3396	1	950	Operational	1967	COAL	FRESH	ONCE THROUGH
BULLOCK	TRI-STATE G&T ASSN	CO	30151		1	6	Standby	1951	COAL	FRESH	ONCE THROUGH
BULLOCK	TRI-STATE G&T ASSN	CO	30151		2	6	Standby	1955	COAL	FRESH	ONCE THROUGH
BURDICK	GRAND ISLAND WTR & LIGHT	NE	40606	2241	1	18.8	Standby	1957	GAS	GROUND	ONCE THROUGH
BURDICK	GRAND ISLAND WTR & LIGHT	NE	40606	2241	2	25	Standby	1963	GAS	GROUND	ONCE THROUGH
BURLINGTON (IA)	IES UTILITIES INC	IA	9162	1104	1	212	Operational	1968	COAL	FRESH	ONCE THROUGH
BURLINGTON (NJ)	PUBLIC SERVICE ELEC & GAS	NJ	15477	2399	7	205	Operational	1955	OIL	FRESH	ONCE THROUGH
CABOT-HOLYOKE	HOLYOKE GAS & ELEC DEPT	MA	8776	9864	8	9.4	Operational	1951	OIL	FRESH	ONCE THROUGH
CABOT-HOLYOKE	HOLYOKE GAS & ELEC DEPT	MA	8776	9864	6	9.4	Operational	1955	OIL	FRESH	ONCE THROUGH
CABRAS	GUAM POWER AUTHORITY	GU	40428		1	66	Operational	1974	OIL	SALINE	ONCE THROUGH
CABRAS	GUAM POWER AUTHORITY	GU	40428		2	66	Operational	1975	OIL	SALINE	ONCE THROUGH
CALVERT CLIFFS	BALTIMORE GAS & ELEC CO	MD	1167	6011	1	918	Operational	1975	UR	BRACKISH	ONCE THROUGH
CALVERT CLIFFS	BALTIMORE GAS & ELEC CO	MD	1167	6011	2	918	Operational	1977	UR	BRACKISH	ONCE THROUGH
CAMEO	PUBLIC SERVICE COLORADO	CO	15466	468	1	22	Operational	1957	COAL	FRESH	ONCE THROUGH

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CAMEO	PUBLIC SERVICE COLORADO	CO	15466	468	2	44	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/SPRAY POND)
CANADAY	CEN NEBRASKA PUB PWR&IRR	NE	3271	2226	1	109	Operational	1958	GAS	FRESH	ONCE THROUGH
CANADYS	SOUTH CAROLINA ELEC & GAS	SC	17539	3280	1	136	Operational	1962	COAL	FRESH	ONCE THROUGH
CANADYS	SOUTH CAROLINA ELEC & GAS	SC	17539	3280	2	136	Operational	1964	COAL	FRESH	ONCE THROUGH
CANAL	CANAL ELECTRIC CO	MA	2951	1599	1	543	Operational	1968	OIL	SALINE	ONCE THROUGH
CANAL	CANAL ELECTRIC CO	MA	2951	1599	2	530	Operational	1976	OIL	SALINE	ONCE THROUGH
CANE RUN	LOUISVILLE GAS & ELEC CO	KY	11249	1363	6	272	Operational	1969	COAL	FRESH	ONCE THROUGH
CANE RUN	LOUISVILLE GAS & ELEC CO	KY	11249	1363	3	147	Standby	1958	GAS	FRESH	ONCE THROUGH
CANE RUN	LOUISVILLE GAS & ELEC CO	KY	11249	1363	4	163	Operational	1962	COAL	FRESH	ONCE THROUGH
CANE RUN	LOUISVILLE GAS & ELEC CO	KY	11249	1363	5	209	Operational	1966	COAL	FRESH	ONCE THROUGH
CAPE CANAVERAL	FLORIDA POWER & LIGHT CO	FL	6452	609	2	402	Operational	1969	OIL	BRACKISH	ONCE THROUGH
CAPE CANAVERAL	FLORIDA POWER & LIGHT CO	FL	6452	609	1	402	Operational	1965	OIL	BRACKISH	ONCE THROUGH
CAPE FEAR	CAROLINA POWER & LIGHT CO	NC	3046	2708	5	141	Operational	1956	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CAPE FEAR	CAROLINA POWER & LIGHT CO	NC	3046	2708	6	188	Operational	1958	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)

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CARDINAL	CARDINAL OPERATING CO	OH	3006 2828	1	615	Operational	1967	COAL	FRESH	ONCE THROUGH
CARDINAL	CARDINAL OPERATING CO	OH	3006 2828	2	615	Operational	1967	COAL	FRESH	ONCE THROUGH
CARLSON	JAMESTOWN BD OF PUB UTIL	NY	9645 2682	5	30.5	Operational	1951	COAL	FRESH	ONCE THROUGH
CARLSON	JAMESTOWN BD OF PUB UTIL	NY	9645 2682	6	27.2	Operational	1968	COAL	FRESH	ONCE THROUGH
CAYUGA	PSI ENERGY INC	IN	15470 1001	1	531	Operational	1970	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CAYUGA	PSI ENERGY INC	IN	15470 1001	2	531	Operational	1972	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CEDAR BAYOU	HOUSTON LIGHTING & POWER	TX	8901 3460	1	765	Operational	1970	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER POND)
CEDAR BAYOU	HOUSTON LIGHTING & POWER	TX	8901 3460	2	765	Operational	1972	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER POND)
CEDAR BAYOU	HOUSTON LIGHTING & POWER	TX	8901 3460	3	765	Operational	1974	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER POND)
CHALK POINT	POTOMAC ELECTRIC POWER	MD	15270 1571	1	364	Operational	1964	COAL	BRACKISH	ONCE THROUGH
CHALK POINT	POTOMAC ELECTRIC POWER	MD	15270 1571	2	364	Operational	1965	COAL	BRACKISH	ONCE THROUGH
CHAMOIS	CENT ELEC PWR COOP (MO)	MO	3242 2169	1	15	Operational	1953	COAL	FRESH	ONCE THROUGH
CHAMOIS	CENT ELEC PWR COOP (MO)	MO	3242 2169	2	44	Operational	1960	COAL	FRESH	ONCE THROUGH
CHARLES POLETTI	NEW YORK POWER AUTHORITY	NY	15296 2491	1	883	Operational	1977	GAS	SALINE	ONCE THROUGH

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CHENA	FAIRBANKS UTILITIES SYS	AK	6129 79 1	5	Operational	1951	COAL	GROUND	ONCE THROUGH
CHENA	FAIRBANKS UTILITIES SYS	AK	6129 79 2	2	Operational	1951	COAL	GROUND	ONCE THROUGH
CHENA	FAIRBANKS UTILITIES SYS	AK	6129 79 3	1.5	Operational	1951	COAL	GROUND	ONCE THROUGH
CHENA	FAIRBANKS UTILITIES SYS	AK	6129 79 5	20	Operational	1970	COAL	GROUND	ONCE THROUGH
CHESAPEAKE	VIRGINIA ELEC & POWER CO	VA	19876 3803 2	113	Operational	1954	COAL	BRACKISH	ONCE THROUGH
CHESAPEAKE	VIRGINIA ELEC & POWER CO	VA	19876 3803 3	185	Operational	1959	COAL	BRACKISH	ONCE THROUGH
CHESAPEAKE	VIRGINIA ELEC & POWER CO	VA	19876 3803 4	239	Operational	1962	COAL	BRACKISH	ONCE THROUGH
CHESAPEAKE	VIRGINIA ELEC & POWER CO	VA	19876 3803 1	113	Operational	1953	COAL	BRACKISH	ONCE THROUGH
CHESTERFIEL D	VIRGINIA ELEC & POWER CO	VA	19876 3797 6	694	Operational	1969	COAL	FRESH	ONCE THROUGH
CHESTERFIEL D	VIRGINIA ELEC & POWER CO	VA	19876 3797 3	113	Operational	1952	COAL	FRESH	ONCE THROUGH
CHESTERFIEL D	VIRGINIA ELEC & POWER CO	VA	19876 3797 4	188	Operational	1960	COAL	FRESH	ONCE THROUGH
CHESTERFIEL D	VIRGINIA ELEC & POWER CO	VA	19876 3797 5	359	Operational	1964	COAL	FRESH	ONCE THROUGH
CHESWICK	DUQUESNE LIGHT CO	PA	5487 8226 1	565	Operational	1970	COAL	FRESH	ONCE THROUGH
CHICKASAW	ALABAMA POWER CO	AL	195 5 3	46	Operational	1951	GAS	FRESH	ONCE THROUGH

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CLAY BOSWELL	MINNESOTA POWER & LIGHT	MN	12647	1893	1	75	Operational	1958	COAL	FRESH	ONCE THROUGH
CLAY BOSWELL	MINNESOTA POWER & LIGHT	MN	12647	1893	2	75	Operational	1960	COAL	FRESH	ONCE THROUGH
CLIFFSIDE	DUKE POWER CO	NC	5416	2721	1	40	Standby	1940	COAL	FRESH	ONCE THROUGH
CLIFFSIDE	DUKE POWER CO	NC	5416	2721	2	40	Standby	1940	COAL	FRESH	ONCE THROUGH
CLIFFSIDE	DUKE POWER CO	NC	5416	2721	3	65	Standby	1948	COAL	FRESH	ONCE THROUGH
CLIFFSIDE	DUKE POWER CO	NC	5416	2721	4	65	Standby	1948	COAL	FRESH	ONCE THROUGH
CLIFTY CREEK	INDIANA KENTUCKY ELEC COR	IN	9269	983	2	217	Operational	1955	COAL	FRESH	ONCE THROUGH
CLIFTY CREEK	INDIANA KENTUCKY ELEC COR	IN	9269	983	6	217	Operational	1956	COAL	FRESH	ONCE THROUGH
CLIFTY CREEK	INDIANA KENTUCKY ELEC COR	IN	9269	983	5	217	Operational	1955	COAL	FRESH	ONCE THROUGH
CLIFTY CREEK	INDIANA KENTUCKY ELEC COR	IN	9269	983	3	217	Operational	1955	COAL	FRESH	ONCE THROUGH
CLIFTY CREEK	INDIANA KENTUCKY ELEC COR	IN	9269	983	1	217	Operational	1955	COAL	FRESH	ONCE THROUGH
CLIFTY CREEK	INDIANA KENTUCKY ELEC COR	IN	9269	983	4	217	Operational	1955	COAL	FRESH	ONCE THROUGH
COLBERT	TENNESSEE VALLEY AUTH	AL	18642	47	1	200	Operational	1955	COAL	FRESH	ONCE THROUGH
COLBERT	TENNESSEE VALLEY AUTH	AL	18642	47	5	550	Operational	1965	COAL	FRESH	ONCE THROUGH

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COLBERT	TENNESSEE VALLEY AUTH	AL	18642	47	4	200	Operational	1955	COAL	FRESH	ONCE THROUGH
COLBERT	TENNESSEE VALLEY AUTH	AL	18642	47	2	200	Operational	1955	COAL	FRESH	ONCE THROUGH
COLBERT	TENNESSEE VALLEY AUTH	AL	18642	47	3	200	Operational	1955	COAL	FRESH	ONCE THROUGH
COLEMAN (KY)	BIG RIVERS ELEC CORP	KY	1692	1381	3	173	Operational	1972	COAL	FRESH	ONCE THROUGH
COLEMAN (KY)	BIG RIVERS ELEC CORP	KY	1692	1381	1	174	Operational	1969	COAL	FRESH	ONCE THROUGH
COLEMAN (KY)	BIG RIVERS ELEC CORP	KY	1692	1381	2	174	Operational	1970	COAL	FRESH	ONCE THROUGH
CONESVILLE	COLUMBUS SOUTHERN POWER	OH	4062	2840	3	162	Operational	1962	COAL	FRESH	ONCE THROUGH
CONESVILLE	COLUMBUS SOUTHERN POWER	OH	4062	2840	1	148	Operational	1959	COAL	FRESH	ONCE THROUGH
CONESVILLE	COLUMBUS SOUTHERN POWER	OH	4062	2840	2	136	Operational	1957	COAL	FRESH	ONCE THROUGH
CONNORS CREEK	DETROIT EDISON CO	MI	5109	1726	16	150	Standby	1951	COAL	FRESH	ONCE THROUGH
CONNORS CREEK	DETROIT EDISON CO	MI	5109	1726	15	150	Standby	1951	COAL	FRESH	ONCE THROUGH
CONTRA COSTA	PACIFIC GAS & ELEC CO	CA	14328	228	6	359	Operational	1964	GAS	BRACKISH	ONCE THROUGH
CONTRA COSTA	PACIFIC GAS & ELEC CO	CA	14328	228	7	359	Operational	1964	GAS	BRACKISH	ONCE THROUGH
COOPER	NEBRASKA PUBLIC POWER DIS	NE	13337	8036	1	836	Operational	1974	UR	FRESH	ONCE THROUGH

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COSTA SUR	PUERTO RICO ELEC PWR AUTH	PR	15497	1	44	Operational	1957	OIL	SALINE	ONCE THROUGH	
COSTA SUR	PUERTO RICO ELEC PWR AUTH	PR	15497	6	462	Operational	1973	OIL	SALINE	ONCE THROUGH	
COSTA SUR	PUERTO RICO ELEC PWR AUTH	PR	15497	5	462	Operational	1972	OIL	SALINE	ONCE THROUGH	
COSTA SUR	PUERTO RICO ELEC PWR AUTH	PR	15497	4	93.8	Operational	1968	OIL	SALINE	ONCE THROUGH	
COSTA SUR	PUERTO RICO ELEC PWR AUTH	PR	15497	2	44	Operational	1958	OIL	SALINE	ONCE THROUGH	
COSTA SUR	PUERTO RICO ELEC PWR AUTH	PR	15497	3	93.8	Operational	1967	OIL	SALINE	ONCE THROUGH	
COUNCIL BLUFFS	IOWA POWER INC	IA	9429	1082	3	726	Operational	1978	COAL	FRESH	ONCE THROUGH
COUNCIL BLUFFS	IOWA POWER INC	IA	9429	1082	2	81.6	Operational	1958	COAL	FRESH	ONCE THROUGH
COUNCIL BLUFFS	IOWA POWER INC	IA	9429	1082	1	49	Operational	1954	COAL	FRESH	ONCE THROUGH
CP CRANE	BALTIMORE GAS & ELEC CO	MD	1167	1552	1	190	Operational	1961	COAL	BRACKISH	ONCE THROUGH
CP CRANE	BALTIMORE GAS & ELEC CO	MD	1167	1552	2	209	Operational	1963	COAL	BRACKISH	ONCE THROUGH
CR HUNTLEY	NIAGARA MOHAWK POWER CORP	NY	13573	2549	66	100	Operational	1954	COAL	FRESH	ONCE THROUGH
CR HUNTLEY	NIAGARA MOHAWK POWER CORP	NY	13573	2549	67	218	Operational	1957	COAL	FRESH	ONCE THROUGH
CR HUNTLEY	NIAGARA MOHAWK POWER CORP	NY	13573	2549	65	100	Operational	1953	COAL	FRESH	ONCE THROUGH



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CR HUNTLEY	NIAGARA MOHAWK POWER CORP	NY	13573	2549	64	100	Operational	1948	COAL	FRESH	ONCE THROUGH
CR HUNTLEY	NIAGARA MOHAWK POWER CORP	NY	13573	2549	63	92	Operational	1942	COAL	FRESH	ONCE THROUGH
CR HUNTLEY	NIAGARA MOHAWK POWER CORP	NY	13573	2549	68	218	Operational	1958	COAL	FRESH	ONCE THROUGH
CR LOWMAN	ALABAMA ELECTRIC COOP	AL	189	56	1	66	Operational	1969	COAL	FRESH	ONCE THROUGH
CRAWFORD	COMMONWEALTH EDISON CO	IL	4110	867	7	239	Operational	1958	COAL	FRESH	ONCE THROUGH
CRAWFORD	COMMONWEALTH EDISON CO	IL	4110	867	8	358	Operational	1961	COAL	FRESH	ONCE THROUGH
CRISP	CRISP COUNTY PWR COMM	GA	4538	753	1	12.5	Operational	1958	GAS	FRESH	ONCE THROUGH
CRIST	GULF POWER CO	FL	7801	641	4	93.8	Operational	1959	COAL	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CRIST	GULF POWER CO	FL	7801	641	5	93.8	Operational	1961	COAL	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CRIST	GULF POWER CO	FL	7801	641	3	37.5	Operational	1952	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CRIST	GULF POWER CO	FL	7801	641	2	28.1	Operational	1949	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CRIST	GULF POWER CO	FL	7801	641	1	28.1	Operational	1945	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
CROMBY	PECO ENERGY CO	PA	14940	3159	1	188	Operational	1954	COAL	FRESH	ONCE THROUGH
CROMBY	PECO ENERGY CO	PA	14940	3159	2	230	Operational	1955	GAS	FRESH	ONCE THROUGH

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CRYSTAL RIVER	FLORIDA POWER CORP	FL	6455 628 2	524	Operational	1969	COAL	SALINE	COMBINATION (ONCE THROUGH/HELPER TOWER)
CRYSTAL RIVER	FLORIDA POWER CORP	FL	6455 628 1	441	Operational	1966	COAL	SALINE	COMBINATION (ONCE THROUGH/HELPER TOWER)
CRYSTAL RIVER	FLORIDA POWER CORP	FL	6455 628 3	890	Operational	1977	UR	SALINE	COMBINATION (ONCE THROUGH/HELPER TOWER)
CULLEY	SOUTHERN INDIANA GAS ELEC	IN	17633 1012 1	46	Operational	1955	COAL	FRESH	ONCE THROUGH
CULLEY	SOUTHERN INDIANA GAS ELEC	IN	17633 1012 2	99	Operational	1966	COAL	FRESH	ONCE THROUGH
CULLEY	SOUTHERN INDIANA GAS ELEC	IN	17633 1012 3	265	Operational	1973	COAL	FRESH	ONCE THROUGH
CUMBERLAND	TENNESSEE VALLEY AUTH	TN	18642 3399 2	1300	Operational	1973	COAL	FRESH	ONCE THROUGH
CUMBERLAND	TENNESSEE VALLEY AUTH	TN	18642 3399 1	1300	Operational	1973	COAL	FRESH	ONCE THROUGH
CUTLER (FL)	FLORIDA POWER & LIGHT CO	FL	6452 610 5	75	Operational	1954	GAS	SALINE	ONCE THROUGH
CUTLER (FL)	FLORIDA POWER & LIGHT CO	FL	6452 610 6	162	Operational	1955	GAS	SALINE	ONCE THROUGH
DALE	EAST KENTUCKY POWER COOP	KY	5580 1385 1	22	Operational	1954	COAL	FRESH	ONCE THROUGH
DALE	EAST KENTUCKY POWER COOP	KY	5580 1385 2	22	Operational	1954	COAL	FRESH	ONCE THROUGH
DALE	EAST KENTUCKY POWER COOP	KY	5580 1385 3	66	Operational	1957	COAL	FRESH	ONCE THROUGH
DALE	EAST KENTUCKY POWER COOP	KY	5580 1385 4	66	Operational	1960	COAL	FRESH	COMBINATION (NS)

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DALLMAN	SPRINGFIELD WTR LT & PWR	IL	17828 963 1	90.3	Operational	1968	COAL	FRESH	ONCE THROUGH
DALLMAN	SPRINGFIELD WTR LT & PWR	IL	17828 963 2	90.3	Operational	1971	COAL	FRESH	ONCE THROUGH
DALLMAN	SPRINGFIELD WTR LT & PWR	IL	17828 963 3	207	Operational	1978	COAL	FRESH	ONCE THROUGH
DAN RIVER	DUKE POWER CO	NC	5416 2723 1	70	Operational	1949	COAL	FRESH	ONCE THROUGH
DAN RIVER	DUKE POWER CO	NC	5416 2723 2	70	Operational	1950	COAL	FRESH	ONCE THROUGH
DAN RIVER	DUKE POWER CO	NC	5416 2723 3	150	Operational	1955	COAL	FRESH	ONCE THROUGH
DANSKAMMER POINT	CENTRAL HUDSON GAS & ELEC	NY	3249 2480 2	73.5	Operational	1954	GAS	FRESH	ONCE THROUGH
DANSKAMMER POINT	CENTRAL HUDSON GAS & ELEC	NY	3249 2480 3	147	Operational	1959	COAL	FRESH	ONCE THROUGH
DANSKAMMER POINT	CENTRAL HUDSON GAS & ELEC	NY	3249 2480 1	72	Operational	1951	GAS	FRESH	ONCE THROUGH
DANSKAMMER POINT	CENTRAL HUDSON GAS & ELEC	NY	3249 2480 4	239	Operational	1967	COAL	FRESH	ONCE THROUGH
DAVE JOHNSTON	PACIFICORP	WY	14356 4158 1	100	Operational	1959	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
DAVE JOHNSTON	PACIFICORP	WY	14356 4158 2	100	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
DAVE JOHNSTON	PACIFICORP	WY	14356 4158 3	220	Operational	1964	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
DC COOK	INDIANA MICHIGAN POWER CO	MI	9324 6000 1	1152	Operational	1975	UR	FRESH	ONCE THROUGH

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DC COOK	INDIANA MICHIGAN POWER CO	MI	9324 6000 2	1133	Operational	1978	UR	FRESH	ONCE THROUGH
DE KARN	CONSUMERS POWER CO	MI	4254 1702 2	265	Operational	1961	COAL	FRESH	ONCE THROUGH
DE KARN	CONSUMERS POWER CO	MI	4254 1702 1	265	Operational	1959	COAL	FRESH	ONCE THROUGH
DECKER	AUSTIN ELECTRIC DEPT	TX	1015 3548 1	348	Operational	1972	GAS	FRESH	ONCE THROUGH
DECKER	AUSTIN ELECTRIC DEPT	TX	1015 3548 2	440	Operational	1977	GAS	FRESH	ONCE THROUGH
DECORDOVA	TEXAS UTILITIES ELEC CO	TX	44372 8063 1	799	Operational	1975	GAS	FRESH	ONCE THROUGH
DEEPWATER (NJ)	DEEPWATER OPERATING CO	NJ	963 2384 4	53	Operational	1930	OIL	BRACKISH	ONCE THROUGH
DEEPWATER (NJ)	DEEPWATER OPERATING CO	NJ	963 2384 6	73.5	Operational	1954	COAL	BRACKISH	ONCE THROUGH
DEEPWATER (NJ)	DEEPWATER OPERATING CO	NJ	963 2384 1	81.6	Operational	1958	GAS	BRACKISH	ONCE THROUGH
DEEPWATER (TX)	HOUSTON LIGHTING & POWER	TX	8901 3461 9	188	Operational	1955	GAS	BRACKISH	ONCE THROUGH
DELAWARE	PECO ENERGY CO	PA	14940 3160 7	156	Operational	1953	OIL	FRESH	ONCE THROUGH
DELAWARE	PECO ENERGY CO	PA	14940 3160 8	156	Operational	1953	OIL	FRESH	ONCE THROUGH
DEVON	CONNECTICUT LIGHT & POWER	CT	4176 544 7	104	Operational	1954	OIL	BRACKISH	ONCE THROUGH
DEVON	CONNECTICUT LIGHT & POWER	CT	4176 544 8	104	Operational	1958	OIL	BRACKISH	ONCE THROUGH

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DH MITCHELL	NO INDIANA PUBLIC SERVICE	IN	13756	996	4	138	Operational	1956	COAL	FRESH	ONCE THROUGH
DH MITCHELL	NO INDIANA PUBLIC SERVICE	IN	13756	996	5	138	Operational	1959	COAL	FRESH	ONCE THROUGH
DH MITCHELL	NO INDIANA PUBLIC SERVICE	IN	13756	996	6	138	Operational	1959	COAL	FRESH	ONCE THROUGH
DH MITCHELL	NO INDIANA PUBLIC SERVICE	IN	13756	996	11	115	Operational	1970	COAL	FRESH	ONCE THROUGH
DIABLO CANYON	PACIFIC GAS & ELEC CO	CA	14328	6099	2	1164	Operational	1986	UR	SALINE	ONCE THROUGH
DIABLO CANYON	PACIFIC GAS & ELEC CO	CA	14328	6099	1	1137	Operational	1985	UR	SALINE	ONCE THROUGH
DICKERSON	POTOMAC ELECTRIC POWER	MD	15270	1572	3	196	Operational	1962	COAL	FRESH	ONCE THROUGH
DICKERSON	POTOMAC ELECTRIC POWER	MD	15270	1572	2	196	Operational	1960	COAL	FRESH	ONCE THROUGH
DICKERSON	POTOMAC ELECTRIC POWER	MD	15270	1572	1	196	Operational	1959	COAL	FRESH	ONCE THROUGH
DOVER (OH)	DOVER (OH) LIGHT & POWER	OH	5336	2914	4	19.5	Operational	1968	COAL	FRESH	ONCE THROUGH
DUBUQUE	INTERSTATE POWER CO	IA	9392	1046	2	15	Operational	1929	COAL	FRESH	ONCE THROUGH
DUBUQUE	INTERSTATE POWER CO	IA	9392	1046	3	28.8	Operational	1952	COAL	FRESH	ONCE THROUGH
DUBUQUE	INTERSTATE POWER CO	IA	9392	1046	4	37.5	Operational	1959	COAL	FRESH	ONCE THROUGH
DUNKIRK	NIAGARA MOHAWK POWER CORP	NY	13573	2554	3	218	Operational	1959	COAL	FRESH	ONCE THROUGH

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DUNKIRK	NIAGARA MOHAWK POWER CORP	NY	13573 2554 4	218	Operational	1960	COAL	FRESH	ONCE THROUGH
DUNKIRK	NIAGARA MOHAWK POWER CORP	NY	13573 2554 2	96	Operational	1950	COAL	FRESH	ONCE THROUGH
DUNKIRK	NIAGARA MOHAWK POWER CORP	NY	13573 2554 1	96	Operational	1950	COAL	FRESH	ONCE THROUGH
EAGLE MOUNTAIN	TEXAS UTILITIES ELEC CO	TX	44372 3489 2	188	Operational	1956	GAS	FRESH	ONCE THROUGH
EAGLE MOUNTAIN	TEXAS UTILITIES ELEC CO	TX	44372 3489 3	396	Operational	1971	GAS	FRESH	ONCE THROUGH
EAGLE MOUNTAIN	TEXAS UTILITIES ELEC CO	TX	44372 3489 1	123	Operational	1954	GAS	FRESH	ONCE THROUGH
EAST RIVER	CONSOLIDATED EDISON CO	NY	4226 2493 7	200	Operational	1955	GAS	SALINE	ONCE THROUGH
EAST RIVER	CONSOLIDATED EDISON CO	NY	4226 2493 6	156	Operational	1951	GAS	SALINE	ONCE THROUGH
EAST RIVER	CONSOLIDATED EDISON CO	NY	4226 2493 5	156	Operational	1951	OIL	SALINE	ONCE THROUGH
EASTLAKE	CLEVELAND ELEC ILLUM CO	OH	3755 2837 1	123	Operational	1953	COAL	FRESH	ONCE THROUGH
EASTLAKE	CLEVELAND ELEC ILLUM CO	OH	3755 2837 2	123	Operational	1953	COAL	FRESH	ONCE THROUGH
EASTLAKE	CLEVELAND ELEC ILLUM CO	OH	3755 2837 3	123	Operational	1954	COAL	FRESH	ONCE THROUGH
EASTLAKE	CLEVELAND ELEC ILLUM CO	OH	3755 2837 4	208	Operational	1956	COAL	FRESH	ONCE THROUGH
EASTLAKE	CLEVELAND ELEC ILLUM CO	OH	3755 2837 5	680	Operational	1972	COAL	FRESH	ONCE THROUGH

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EATON	MISSISSIPPI POWER CO	MS	12686 2046 1	22.5	Standby	1945	GAS	FRESH	ONCE THROUGH
EATON	MISSISSIPPI POWER CO	MS	12686 2046 2	22.5	Standby	1947	GAS	FRESH	ONCE THROUGH
EATON	MISSISSIPPI POWER CO	MS	12686 2046 3	22.5	Standby	1949	GAS	FRESH	ONCE THROUGH
ECKERT	LANSING BD WATER & LIGHT	MI	10704 1831 1	50	Operational	1954	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ECKERT	LANSING BD WATER & LIGHT	MI	10704 1831 2	46	Operational	1958	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ECKERT	LANSING BD WATER & LIGHT	MI	10704 1831 3	50	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ECKERT	LANSING BD WATER & LIGHT	MI	10704 1831 4	75	Operational	1964	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ECKERT	LANSING BD WATER & LIGHT	MI	10704 1831 5	75	Operational	1968	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ECKERT	LANSING BD WATER & LIGHT	MI	10704 1831 6	75	Operational	1970	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ED EDWARDS	CENTRAL ILLINOIS LIGHT CO	IL	3252 856 1	136	Operational	1960	COAL	FRESH	ONCE THROUGH
ED EDWARDS	CENTRAL ILLINOIS LIGHT CO	IL	3252 856 3	364	Operational	1972	COAL	FRESH	ONCE THROUGH
ED EDWARDS	CENTRAL ILLINOIS LIGHT CO	IL	3252 856 2	281	Operational	1968	COAL	FRESH	ONCE THROUGH
EDDYSTONE	PECO ENERGY CO	PA	14940 3161 1	354	Operational	1960	COAL	FRESH	ONCE THROUGH
EDDYSTONE	PECO ENERGY CO	PA	14940 3161 2	354	Operational	1960	COAL	FRESH	ONCE THROUGH

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EDDYSTONE	PECO ENERGY CO	PA	14940	3161	3	391	Operational	1974	OIL	FRESH	ONCE THROUGH
EDDYSTONE	PECO ENERGY CO	PA	14940	3161	4	391	Operational	1976	OIL	FRESH	ONCE THROUGH
EDGE MOOR	DELMARVA POWER & LIGHT CO	DE	5027	593	4	177	Operational	1966	COAL	BRACKISH	ONCE THROUGH
EDGE MOOR	DELMARVA POWER & LIGHT CO	DE	5027	593	5	446	Operational	1973	OIL	BRACKISH	ONCE THROUGH
EDGE MOOR	DELMARVA POWER & LIGHT CO	DE	5027	593	3	75	Operational	1954	COAL	BRACKISH	ONCE THROUGH
EDGEWATER (OH)	OHIO EDISON CO	OH	13998	2857	4	105	Operational	1957	COAL	FRESH	ONCE THROUGH
EDGEWATER (OH)	OHIO EDISON CO	OH	13998	2857	2	25	Standby	1924	COAL	FRESH	ONCE THROUGH
EDGEWATER (WI)	WISCONSIN POWER & LIGHT	WI	20856	4050	3	66	Operational	1951	COAL	FRESH	ONCE THROUGH
EDGEWATER (WI)	WISCONSIN POWER & LIGHT	WI	20856	4050	4	351	Operational	1969	COAL	FRESH	ONCE THROUGH
EDWARDSPORT	PSI ENERGY INC	IN	15470	1004	8	69	Operational	1951	COAL	FRESH	ONCE THROUGH
EDWARDSPORT	PSI ENERGY INC	IN	15470	1004	6	35	Operational	1944	OIL	FRESH	ONCE THROUGH
EDWARDSPORT	PSI ENERGY INC	IN	15470	1004	7	40.3	Operational	1949	COAL	FRESH	ONCE THROUGH
EF BARRETT	LONG ISLAND LIGHTING CO	NY	11172	2511	2	188	Operational	1963	GAS	SALINE	ONCE THROUGH
EF BARRETT	LONG ISLAND LIGHTING CO	NY	11172	2511	1	188	Operational	1956	GAS	SALINE	ONCE THROUGH



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EL SEGUNDO	SOUTHERN CALIF EDISON CO	CA	17609 330 3	342	Operational	1964	GAS	SALINE	ONCE THROUGH
EL SEGUNDO	SOUTHERN CALIF EDISON CO	CA	17609 330 4	342	Operational	1965	GAS	SALINE	ONCE THROUGH
EL SEGUNDO	SOUTHERN CALIF EDISON CO	CA	17609 330 2	156	Operational	1956	GAS	SALINE	ONCE THROUGH
EL SEGUNDO	SOUTHERN CALIF EDISON CO	CA	17609 330 1	156	Operational	1955	GAS	SALINE	ONCE THROUGH
ELK RIVER	UNITED POWER ASSOCIATION	MN	19514 2039 2	11.5	Operational	1951	RDF	FRESH	ONCE THROUGH
ELK RIVER	UNITED POWER ASSOCIATION	MN	19514 2039 3	22.5	Operational	1959	RDF	FRESH	ONCE THROUGH
ELK RIVER	UNITED POWER ASSOCIATION	MN	19514 2039 1	11.5	Operational	1951	RDF	FRESH	ONCE THROUGH
ELMER SMITH	OWENSBORO MUNICIPAL UTIL	KY	14268 1374 1	151	Operational	1964	COAL	FRESH	ONCE THROUGH
ELMER SMITH	OWENSBORO MUNICIPAL UTIL	KY	14268 1374 2	265	Operational	1974	COAL	FRESH	ONCE THROUGH
ELRAMA	DUQUESNE LIGHT CO	PA	5487 3098 3	125	Operational	1954	COAL	FRESH	ONCE THROUGH
ELRAMA	DUQUESNE LIGHT CO	PA	5487 3098 4	185	Operational	1960	COAL	FRESH	ONCE THROUGH
ELRAMA	DUQUESNE LIGHT CO	PA	5487 3098 1	100	Operational	1952	COAL	FRESH	ONCE THROUGH
ELRAMA	DUQUESNE LIGHT CO	PA	5487 3098 2	100	Operational	1953	COAL	FRESH	ONCE THROUGH
ENCINA	SAN DIEGO GAS & ELEC CO	CA	16609 302 1	110	Operational	1954	GAS	SALINE	ONCE THROUGH

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ENCINA	SAN DIEGO GAS & ELEC CO	CA	16609 302 2	110	Operational	1956	GAS	SALINE	ONCE THROUGH
ENCINA	SAN DIEGO GAS & ELEC CO	CA	16609 302 3	110	Operational	1958	GAS	SALINE	ONCE THROUGH
ENCINA	SAN DIEGO GAS & ELEC CO	CA	16609 302 4	306	Operational	1973	GAS	SALINE	ONCE THROUGH
ENCINA	SAN DIEGO GAS & ELEC CO	CA	16609 302 5	346	Operational	1978	GAS	SALINE	ONCE THROUGH
ESCANABA	UPPER PENINSULA POWER CO	MI	19578 1771 1	11.5	Operational	1958	COAL	FRESH	ONCE THROUGH
ESCANABA	UPPER PENINSULA POWER CO	MI	19578 1771 2	11.5	Operational	1958	COAL	FRESH	ONCE THROUGH
EW STOUT	INDIANAPOLIS POWER & LT	IN	9273 990 4	37.5	Standby	1947	OIL	FRESH	ONCE THROUGH
EW STOUT	INDIANAPOLIS POWER & LT	IN	9273 990 5	114	Operational	1958	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
EW STOUT	INDIANAPOLIS POWER & LT	IN	9273 990 3	37.5	Standby	1941	OIL	FRESH	ONCE THROUGH
EW STOUT	INDIANAPOLIS POWER & LT	IN	9273 990 6	114	Operational	1961	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
FAIRBURY	FAIRBURY LIGHT & WTR DEPT	NE	6132 2236 2	2.5	Standby	1938	GAS	FRESH	ONCE THROUGH
FAR ROCKAWAY	LONG ISLAND LIGHTING CO	NY	11172 2513 4	114	Operational	1953	GAS	SALINE	ONCE THROUGH
FE FAIR	CENTRAL IOWA POWER COOP	IA	3258 1218 1	25	Operational	1960	COAL	FRESH	ONCE THROUGH
FE FAIR	CENTRAL IOWA POWER COOP	IA	3258 1218 2	37.5	Operational	1967	COAL	FRESH	ONCE THROUGH

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FISSK	COMMONWEALTH EDISON CO	IL	4110	886	19	374	Operational	1959	COAL	FRESH	ONCE THROUGH
FITZHUGH	ARKANSAS ELEC COOP CORP	AR	807	201	1	60	Operational	1963	GAS	FRESH	ONCE THROUGH
FITZPATRICK	NEW YORK POWER AUTHORITY	NY	15296	6110	1	883	Operational	1975	UR	FRESH	ONCE THROUGH
FORT CALHOUN	OMAHA PUBLIC POWER DIST	NE	14127	2289	1	502	Operational	1974	UR	FRESH	ONCE THROUGH
FORT MYERS	FLORIDA POWER & LIGHT CO	FL	6452	612	1	156	Operational	1958	OIL	BRACKISH	ONCE THROUGH
FORT MYERS	FLORIDA POWER & LIGHT CO	FL	6452	612	2	402	Operational	1969	OIL	BRACKISH	ONCE THROUGH
FORT PHANTOM	WEST TEXAS UTIL CO	TX	20404	4938	1	157	Operational	1974	GAS	FRESH	ONCE THROUGH
FORT PHANTOM	WEST TEXAS UTIL CO	TX	20404	4938	2	207	Operational	1977	GAS	FRESH	ONCE THROUGH
FOURTH AVENUE	AUSTIN UTILITIES	MN	1009	1961	3	8	Operational	1949	GAS	FRESH	ONCE THROUGH
FOX LAKE	INTERSTATE POWER CO	MN	9392	1888	3	81.6	Operational	1962	GAS	FRESH	ONCE THROUGH
FOX LAKE	INTERSTATE POWER CO	MN	9392	1888	2	11.5	Operational	1951	GAS	FRESH	ONCE THROUGH
FOX LAKE	INTERSTATE POWER CO	MN	9392	1888	1	11.5	Operational	1950	GAS	FRESH	ONCE THROUGH
FR PHILLIPS	DUQUESNE LIGHT CO	PA	5487	3099	1	69	Standby	1943	COAL	FRESH	ONCE THROUGH
FR PHILLIPS	DUQUESNE LIGHT CO	PA	5487	3099	2	81.3	Standby	1949	COAL	FRESH	ONCE THROUGH

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FR PHILLIPS	DUQUESNE LIGHT CO	PA	5487 3099 3	81.3	Standby	1950	COAL	FRESH	ONCE THROUGH
FR PHILLIPS	DUQUESNE LIGHT CO	PA	5487 3099 4	180	Operational	1956	COAL	FRESH	ONCE THROUGH
FRANK BIRD	MONTANA POWER CO	MT	12825 2187 1	69	Standby	1951	GAS	FRESH	ONCE THROUGH
FRENCH ISLAND	NORTHERN STATES POWER CO	WI	13781 4005 1	15.3	Operational	1940	WOOD	FRESH	ONCE THROUGH
FRENCH ISLAND	NORTHERN STATES POWER CO	WI	13781 4005 2	12.5	Operational	1948	WOOD	FRESH	ONCE THROUGH
GADSDEN NEW	ALABAMA POWER CO	AL	195 7 1	69	Operational	1949	COAL	FRESH	ONCE THROUGH
GADSDEN NEW	ALABAMA POWER CO	AL	195 7 2	69	Operational	1949	COAL	FRESH	ONCE THROUGH
GALLAGHER	PSI ENERGY INC	IN	15470 1008 3	150	Operational	1960	COAL	FRESH	ONCE THROUGH
GALLAGHER	PSI ENERGY INC	IN	15470 1008 4	150	Operational	1961	COAL	FRESH	ONCE THROUGH
GALLAGHER	PSI ENERGY INC	IN	15470 1008 1	150	Operational	1959	COAL	FRESH	ONCE THROUGH
GALLAGHER	PSI ENERGY INC	IN	15470 1008 2	150	Operational	1958	COAL	FRESH	ONCE THROUGH
GALLATIN	TENNESSEE VALLEY AUTH	TN	18642 3403 2	300	Operational	1957	COAL	FRESH	ONCE THROUGH
GALLATIN	TENNESSEE VALLEY AUTH	TN	18642 3403 3	328	Operational	1959	COAL	FRESH	ONCE THROUGH
GALLATIN	TENNESSEE VALLEY AUTH	TN	18642 3403 4	328	Operational	1959	COAL	FRESH	ONCE THROUGH

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GALLATIN	TENNESSEE VALLEY AUTH	TN	18642	3403	1	300	Operational	1956	COAL	FRESH	ONCE THROUGH
GANNON	TAMPA ELECTRIC CO	FL	18454	646	3	180	Operational	1960	COAL	SALINE	ONCE THROUGH
GANNON	TAMPA ELECTRIC CO	FL	18454	646	6	414	Operational	1967	COAL	SALINE	ONCE THROUGH
GANNON	TAMPA ELECTRIC CO	FL	18454	646	4	188	Operational	1963	COAL	SALINE	ONCE THROUGH
GANNON	TAMPA ELECTRIC CO	FL	18454	646	2	125	Operational	1958	COAL	SALINE	ONCE THROUGH
GANNON	TAMPA ELECTRIC CO	FL	18454	646	1	125	Operational	1957	COAL	SALINE	ONCE THROUGH
GANNON	TAMPA ELECTRIC CO	FL	18454	646	5	239	Operational	1965	COAL	SALINE	ONCE THROUGH
GASTON (AL)	ALABAMA POWER CO	AL	195	26	1	272	Operational	1960	COAL	FRESH	ONCE THROUGH
GASTON (AL)	ALABAMA POWER CO	AL	195	26	2	272	Operational	1960	COAL	FRESH	ONCE THROUGH
GASTON (AL)	ALABAMA POWER CO	AL	195	26	3	272	Operational	1961	COAL	FRESH	ONCE THROUGH
GASTON (AL)	ALABAMA POWER CO	AL	195	26	4	245	Operational	1962	COAL	FRESH	ONCE THROUGH
GENOA THREE	DAIRYLAND POWER COOP	WI	4716	4143	1	346	Operational	1969	COAL	FRESH	ONCE THROUGH
GEORGE NEAL	MIDWEST POWER SYSTEMS	IA	9435	1091	1	147	Operational	1964	COAL	FRESH	ONCE THROUGH
GEORGE NEAL	MIDWEST POWER SYSTEMS	IA	9435	1091	2	349	Operational	1972	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
GEORGE NEAL	MIDWEST POWER SYSTEMS	IA	9435 1091 3	550	Operational	1976	COAL	FRESH	ONCE THROUGH
GEORGE NEAL	MIDWEST POWER SYSTEMS	IA	9435 1091 4	640	Operational	1979	COAL	FRESH	ONCE THROUGH
GEORGE NEAL NORTH	MIDWEST POWER SYSTEMS	IA	9435 1091 3	550	Operational	1975	COAL	FRESH	ONCE THROUGH
GEORGE NEAL NORTH	MIDWEST POWER SYSTEMS	IA	9435 1091 1	147	Operational	1964	COAL	FRESH	ONCE THROUGH
GEORGE NEAL NORTH	MIDWEST POWER SYSTEMS	IA	9435 1091 2	349	Operational	1972	COAL	FRESH	ONCE THROUGH
GEORGE NEAL SOUTH	MIDWEST POWER SYSTEMS	IA	9435 1091 4	640	Operational	1979	COAL	FRESH	ONCE THROUGH
GERALD GENTLEMAN	NEBRASKA PUBLIC POWER DIS	NE	13337 6077 2	628	Operational	1982	COAL	FRESH	ONCE THROUGH
GERALD GENTLEMAN	NEBRASKA PUBLIC POWER DIS	NE	13337 6077 1	681	Operational	1979	COAL	FRESH	ONCE THROUGH
GILBERT	JERSEY CENT POWER & LIGHT	NJ	9726 2393 1	11.8	Operational	1930	OIL	FRESH	ONCE THROUGH
GILBERT	JERSEY CENT POWER & LIGHT	NJ	9726 2393 2	45.3	Operational	1930	OIL	FRESH	ONCE THROUGH
GILBERT	JERSEY CENT POWER & LIGHT	NJ	9726 2393 3	69	Operational	1949	OIL	FRESH	ONCE THROUGH
GINNA	ROCHESTER GAS & ELEC CORP	NY	16183 6122 1	490	Operational	1970	UR	FRESH	ONCE THROUGH
GLEN LYN	APPALACHIAN POWER CO	VA	733 3776 6	238	Operational	1957	COAL	FRESH	ONCE THROUGH
GLEN LYN	APPALACHIAN POWER CO	VA	733 3776 5	100	Operational	1944	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
GLENWOOD (NY)	LONG ISLAND LIGHTING CO	NY	11172	2514	4	114	Operational	1952	GAS	BRACKISH	ONCE THROUGH
GLENWOOD (NY)	LONG ISLAND LIGHTING CO	NY	11172	2514	5	114	Operational	1954	GAS	BRACKISH	ONCE THROUGH
GORGAS TWO	ALABAMA POWER CO	AL	195	8	9	190	Operational	1958	COAL	FRESH	ONCE THROUGH
GORGAS TWO	ALABAMA POWER CO	AL	195	8	10	789	Operational	1972	COAL	FRESH	ONCE THROUGH
GORGAS TWO	ALABAMA POWER CO	AL	195	8	6	125	Operational	1951	COAL	FRESH	ONCE THROUGH
GORGAS TWO	ALABAMA POWER CO	AL	195	8	7	125	Operational	1952	COAL	FRESH	ONCE THROUGH
GORGAS TWO	ALABAMA POWER CO	AL	195	8	8	188	Operational	1956	COAL	FRESH	ONCE THROUGH
GOUDEY	NEW YORK STATE ELEC & GAS	NY	13511	2526	8	75	Operational	1951	COAL	FRESH	ONCE THROUGH
GOUDEY	NEW YORK STATE ELEC & GAS	NY	13511	2526	7	43.8	Operational	1943	COAL	FRESH	ONCE THROUGH
GOULD STREET	BALTIMORE GAS & ELEC CO	MD	1167	1553	3	104	Operational	1952	OIL	BRACKISH	ONCE THROUGH
GRAHAM	TEXAS UTILITIES ELEC CO	TX	44372	3490	1	248	Operational	1960	GAS	FRESH	ONCE THROUGH
GRAHAM	TEXAS UTILITIES ELEC CO	TX	44372	3490	2	387	Operational	1969	GAS	FRESH	ONCE THROUGH
GRAINGER	SOUTH CAROLINA PUB SERV	SC	17543	3317	1	81.6	Operational	1966	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
GRAINGER	SOUTH CAROLINA PUB SERV	SC	17543	3317	2	81.6	Operational	1966	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
GRAND TOWER	CENT ILLINOIS PUBLIC SERV	IL	3253 862 3	85.7	Operational	1951	COAL	FRESH	ONCE THROUGH
GRAND TOWER	CENT ILLINOIS PUBLIC SERV	IL	3253 862 4	114	Operational	1958	COAL	FRESH	ONCE THROUGH
GREEN RIVER	KENTUCKY UTILITIES CO	KY	10171 1357 2	37.5	Operational	1950	COAL	FRESH	ONCE THROUGH
GREEN RIVER	KENTUCKY UTILITIES CO	KY	10171 1357 3	75	Operational	1954	COAL	FRESH	ONCE THROUGH
GREEN RIVER	KENTUCKY UTILITIES CO	KY	10171 1357 4	114	Operational	1959	COAL	FRESH	ONCE THROUGH
GREEN RIVER	KENTUCKY UTILITIES CO	KY	10171 1357 1	37.5	Operational	1950	COAL	FRESH	ONCE THROUGH
GREENE COUNTY (AL)	ALABAMA POWER CO	AL	195 10 1	299	Operational	1965	COAL	FRESH	ONCE THROUGH
GREENE COUNTY (AL)	ALABAMA POWER CO	AL	195 10 2	269	Operational	1966	COAL	FRESH	ONCE THROUGH
GREENIDGE	NEW YORK STATE ELEC & GAS	NY	13511 2527 3	58.8	Operational	1950	COAL	FRESH	ONCE THROUGH
GREENIDGE	NEW YORK STATE ELEC & GAS	NY	13511 2527 4	113	Operational	1953	COAL	FRESH	ONCE THROUGH
GREENVILLE	GREENVILLE ELEC DEPT	TX	7634 4195 1	22.1	Operational	1966	GAS	FRESH	ONCE THROUGH
GREENVILLE	GREENVILLE ELEC DEPT	TX	7634 4195 2	29.4	Operational	1969	GAS	FRESH	ONCE THROUGH
GREENVILLE	GREENVILLE ELEC DEPT	TX	7634 4195 3	48	Operational	1977	GAS	FRESH	ONCE THROUGH
HA WAGNER	BALTIMORE GAS & ELEC CO	MD	1167 1554 1	133	Operational	1956	OIL	BRACKISH	ONCE THROUGH



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HA WAGNER	BALTIMORE GAS & ELEC CO	MD	1167 1554 2	136	Operational	1959	COAL	BRACKISH	ONCE THROUGH
HA WAGNER	BALTIMORE GAS & ELEC CO	MD	1167 1554 3	359	Operational	1966	COAL	BRACKISH	ONCE THROUGH
HA WAGNER	BALTIMORE GAS & ELEC CO	MD	1167 1554 4	415	Operational	1972	OIL	BRACKISH	ONCE THROUGH
HAMILTON (OH)	HAMILTON DEPT PUBLIC UTIL	OH	7977 2917 9	50.6	Operational	1975	GAS	FRESH	ONCE THROUGH
HAMILTON (OH)	HAMILTON DEPT PUBLIC UTIL	OH	7977 2917 8	25	Operational	1965	COAL	FRESH	ONCE THROUGH
HAMILTON (OH)	HAMILTON DEPT PUBLIC UTIL	OH	7977 2917 7	25	Standby	1960	GAS	FRESH	ONCE THROUGH
HAMMOND	GEORGIA POWER CO	GA	7140 708 1	125	Operational	1954	COAL	FRESH	ONCE THROUGH
HAMMOND	GEORGIA POWER CO	GA	7140 708 2	125	Operational	1954	COAL	FRESH	ONCE THROUGH
HAMMOND	GEORGIA POWER CO	GA	7140 708 3	125	Operational	1955	COAL	FRESH	ONCE THROUGH
HAMMOND	GEORGIA POWER CO	GA	7140 708 4	578	Operational	1970	COAL	FRESH	ONCE THROUGH
HARBOR BEACH	DETROIT EDISON CO	MI	5109 1731 1	121	Operational	1968	COAL	FRESH	ONCE THROUGH
HARLLEE BRANCH	GEORGIA POWER CO	GA	7140 709 1	299	Operational	1965	COAL	FRESH	ONCE THROUGH
HARLLEE BRANCH	GEORGIA POWER CO	GA	7140 709 2	359	Operational	1967	COAL	FRESH	ONCE THROUGH
HARLLEE BRANCH	GEORGIA POWER CO	GA	7140 709 3	544	Operational	1968	COAL	FRESH	ONCE THROUGH

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HARLLEE BRANCH	GEORGIA POWER CO	GA	7140	709	4	544	Operational	1969	COAL	FRESH	ONCE THROUGH
HAVANA	ILLINOIS POWER CO	IL	9208	891	3	46	Standby	1948	OIL	FRESH	ONCE THROUGH
HAVANA	ILLINOIS POWER CO	IL	9208	891	4	46	Standby	1950	OIL	FRESH	ONCE THROUGH
HAVANA	ILLINOIS POWER CO	IL	9208	891	1	46	Standby	1947	OIL	FRESH	ONCE THROUGH
HAVANA	ILLINOIS POWER CO	IL	9208	891	5	46	Standby	1950	OIL	FRESH	ONCE THROUGH
HAVANA	ILLINOIS POWER CO	IL	9208	891	2	46	Standby	1947	OIL	FRESH	ONCE THROUGH
HAWTHORN	KANSAS CITY POWER & LIGHT	MO	10000	2079	5	515	Operational	1969	COAL	FRESH	ONCE THROUGH
HAYNES	LOS ANGELES DEPT WTR PWR	CA	11208	400	3	230	Operational	1964	GAS	SALINE	ONCE THROUGH
HAYNES	LOS ANGELES DEPT WTR PWR	CA	11208	400	6	343	Operational	1967	GAS	SALINE	ONCE THROUGH
HAYNES	LOS ANGELES DEPT WTR PWR	CA	11208	400	4	230	Operational	1965	GAS	SALINE	ONCE THROUGH
HAYNES	LOS ANGELES DEPT WTR PWR	CA	11208	400	2	230	Operational	1963	GAS	SALINE	ONCE THROUGH
HAYNES	LOS ANGELES DEPT WTR PWR	CA	11208	400	1	230	Operational	1962	GAS	SALINE	ONCE THROUGH
HAYNES	LOS ANGELES DEPT WTR PWR	CA	11208	400	5	343	Operational	1966	GAS	SALINE	ONCE THROUGH
HEALY	GOLDEN VALLEY ELEC ASSN	AK	7353	6288	1	25	Operational	1967	COAL	FRESH	ONCE THROUGH

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HENDERSON (MS)	GREENWOOD UTILITIES	MS	7651 2062 1	12.7	Operational	1956	GAS	GROUND	ONCE THROUGH
HENDERSON ONE	HENDERSON MUN POWER & LT	KY	8449 1372 6	32.3	Operational	1968	COAL	FRESH	ONCE THROUGH
HENDERSON ONE	HENDERSON MUN POWER & LT	KY	8449 1372 5	11.5	Operational	1957	COAL	FRESH	ONCE THROUGH
HENNEPIN	ILLINOIS POWER CO	IL	9208 892 1	75	Operational	1953	COAL	FRESH	ONCE THROUGH
HENNEPIN	ILLINOIS POWER CO	IL	9208 892 2	231	Operational	1959	COAL	FRESH	ONCE THROUGH
HESKETT	MONTANA-DAKOTA UTILITIES	ND	12819 2790 1	40	Operational	1954	COAL	FRESH	ONCE THROUGH
HESKETT	MONTANA-DAKOTA UTILITIES	ND	12819 2790 2	75	Operational	1963	COAL	FRESH	ONCE THROUGH
HICKLING	NEW YORK STATE ELEC & GAS	NY	13511 2529 1	37.5	Operational	1948	COAL	FRESH	ONCE THROUGH
HICKLING	NEW YORK STATE ELEC & GAS	NY	13511 2529 2	49	Operational	1952	COAL	FRESH	ONCE THROUGH
HIGH BRIDGE	NORTHERN STATES POWER CO	MN	13781 1912 4	62.5	Operational	1944	COAL	FRESH	ONCE THROUGH
HIGH BRIDGE	NORTHERN STATES POWER CO	MN	13781 1912 5	114	Operational	1956	COAL	FRESH	ONCE THROUGH
HIGH BRIDGE	NORTHERN STATES POWER CO	MN	13781 1912 6	163	Operational	1959	COAL	FRESH	ONCE THROUGH
HOLLY STREET	AUSTIN ELECTRIC DEPT	TX	1015 3549 4	210	Operational	1974	GAS	FRESH	ONCE THROUGH
HOLLY STREET	AUSTIN ELECTRIC DEPT	TX	1015 3549 1	113	Operational	1960	GAS	FRESH	ONCE THROUGH

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HOLLY STREET	AUSTIN ELECTRIC DEPT	TX	1015 3549 2	113	Operational	1964	GAS	FRESH	ONCE THROUGH
HOLLY STREET	AUSTIN ELECTRIC DEPT	TX	1015 3549 3	190	Operational	1966	GAS	FRESH	ONCE THROUGH
HOLTWOOD	PENNSYLVANIA POWER & LT	PA	14715 3145 17	75	Operational	1954	COAL	FRESH	ONCE THROUGH
HOOKERS POINT	TAMPA ELECTRIC CO	FL	18454 647 5	81.6	Operational	1955	OIL	SALINE	ONCE THROUGH
HOOKERS POINT	TAMPA ELECTRIC CO	FL	18454 647 1	33	Operational	1948	OIL	SALINE	ONCE THROUGH
HOOKERS POINT	TAMPA ELECTRIC CO	FL	18454 647 2	34.5	Operational	1950	OIL	SALINE	ONCE THROUGH
HOOKERS POINT	TAMPA ELECTRIC CO	FL	18454 647 3	34.5	Operational	1950	OIL	SALINE	ONCE THROUGH
HOOKERS POINT	TAMPA ELECTRIC CO	FL	18454 647 4	49	Operational	1953	OIL	SALINE	ONCE THROUGH
HOOT LAKE	OTTER TAIL POWER CO	MN	14232 1943 3	75	Operational	1964	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HOOT LAKE	OTTER TAIL POWER CO	MN	14232 1943 2	54.4	Operational	1959	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HOOT LAKE	OTTER TAIL POWER CO	MN	14232 1943 1	7.5	Operational	1948	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HT PRITCHARD	INDIANAPOLIS POWER & LT	IN	9273 991 6	114	Operational	1956	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HT PRITCHARD	INDIANAPOLIS POWER & LT	IN	9273 991 5	69	Operational	1953	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HT PRITCHARD	INDIANAPOLIS POWER & LT	IN	9273 991 4	69	Operational	1953	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)

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HT PRITCHARD	INDIANAPOLIS POWER & LT	IN	9273 991 3	50	Operational	1951	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HT PRITCHARD	INDIANAPOLIS POWER & LT	IN	9273 991 1	46	Operational	1949	OIL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HT PRITCHARD	INDIANAPOLIS POWER & LT	IN	9273 991 2	46	Operational	1950	OIL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
HUDSON	PUBLIC SERVICE ELEC & GAS	NJ	15477 2403 1	455	Operational	1964	GAS	BRACKISH	ONCE THROUGH
HUDSON	PUBLIC SERVICE ELEC & GAS	NJ	15477 2403 2	660	Operational	1968	COAL	BRACKISH	ONCE THROUGH
HUMBOLDT	CORN BELT POWER COOP	IA	4363 1213 1	9.4	Standby	1950	COAL	FRESH	ONCE THROUGH
HUMBOLDT	CORN BELT POWER COOP	IA	4363 1213 2	9.4	Standby	1950	COAL	FRESH	ONCE THROUGH
HUMBOLDT	CORN BELT POWER COOP	IA	4363 1213 3	13.5	Operational	1951	COAL	FRESH	ONCE THROUGH
HUMBOLDT	CORN BELT POWER COOP	IA	4363 1213 4	20.3	Operational	1953	COAL	FRESH	ONCE THROUGH
HUMBOLDT BAY	PACIFIC GAS & ELEC CO	CA	14328 246 1	51.2	Operational	1956	GAS	SALINE	ONCE THROUGH
HUMBOLDT BAY	PACIFIC GAS & ELEC CO	CA	14328 246 2	51.2	Operational	1958	GAS	SALINE	ONCE THROUGH
HUNLOCK	UGI UTILITIES INC	PA	19390 3176 3	50	Operational	1959	COAL	FRESH	ONCE THROUGH
HUNTERS POINT	PACIFIC GAS & ELEC CO	CA	14328 247 2	100	Operational	1948	GAS	SALINE	ONCE THROUGH
HUNTERS POINT	PACIFIC GAS & ELEC CO	CA	14328 247 3	100	Operational	1949	GAS	SALINE	ONCE THROUGH

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HUNTERS POINT	PACIFIC GAS & ELEC CO	CA	14328	247	4	156	Operational	1958	GAS	SALINE	ONCE THROUGH
HUNTINGTON BEACH	SOUTHERN CALIF EDISON CO	CA	17609	335	1	218	Operational	1958	GAS	SALINE	ONCE THROUGH
HUNTINGTON BEACH	SOUTHERN CALIF EDISON CO	CA	17609	335	4	218	Operational	1961	GAS	SALINE	ONCE THROUGH
HUNTINGTON BEACH	SOUTHERN CALIF EDISON CO	CA	17609	335	3	218	Operational	1961	GAS	SALINE	ONCE THROUGH
HUNTINGTON BEACH	SOUTHERN CALIF EDISON CO	CA	17609	335	2	218	Operational	1958	GAS	SALINE	ONCE THROUGH
HUTCHINGS	DAYTON POWER & LIGHT CO	OH	4922	2848	6	69	Operational	1953	COAL	FRESH	ONCE THROUGH
HUTCHINGS	DAYTON POWER & LIGHT CO	OH	4922	2848	1	69	Operational	1948	COAL	FRESH	ONCE THROUGH
HUTCHINGS	DAYTON POWER & LIGHT CO	OH	4922	2848	2	69	Operational	1949	COAL	FRESH	ONCE THROUGH
HUTCHINGS	DAYTON POWER & LIGHT CO	OH	4922	2848	3	69	Operational	1950	COAL	FRESH	ONCE THROUGH
HUTCHINGS	DAYTON POWER & LIGHT CO	OH	4922	2848	4	69	Operational	1951	COAL	FRESH	ONCE THROUGH
HUTCHINGS	DAYTON POWER & LIGHT CO	OH	4922	2848	5	69	Operational	1952	COAL	FRESH	ONCE THROUGH
HUTSONVILLE	CENT ILLINOIS PUBLIC SERV	IL	3253	863	3	75	Operational	1953	COAL	FRESH	ONCE THROUGH
HUTSONVILLE	CENT ILLINOIS PUBLIC SERV	IL	3253	863	4	75	Operational	1954	COAL	FRESH	ONCE THROUGH
IATAN	KANSAS CITY POWER & LIGHT	MO	10000	6065	1	726	Operational	1980	COAL	FRESH	ONCE THROUGH

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INDIAN POINT TWO 1	CONSOLIDATED EDISON CO	NY	4226 2497 1	1013	Operational	1974	UR	BRACKISH	ONCE THROUGH
INDIAN POINT THREE 1	NEW YORK POWER AUTHORITY	NY	15296 8907 1	1013	Operational	1976	UR	BRACKISH	ONCE THROUGH
INDIAN RIVER (DE)	DELMARVA POWER & LIGHT CO	DE	5027 594 1	81.6	Operational	1957	COAL	BRACKISH	ONCE THROUGH
INDIAN RIVER (DE)	DELMARVA POWER & LIGHT CO	DE	5027 594 2	81.6	Operational	1959	COAL	BRACKISH	ONCE THROUGH
INDIAN RIVER (DE)	DELMARVA POWER & LIGHT CO	DE	5027 594 3	177	Operational	1970	COAL	BRACKISH	ONCE THROUGH
INDIAN RIVER (FL)	ORLANDO UTILITIES COMM	FL	14610 683 1	86.7	Operational	1960	GAS	BRACKISH	ONCE THROUGH
INDIAN RIVER (FL)	ORLANDO UTILITIES COMM	FL	14610 683 2	208	Operational	1964	GAS	BRACKISH	ONCE THROUGH
INDIAN RIVER (FL)	ORLANDO UTILITIES COMM	FL	14610 683 3	345	Operational	1974	GAS	BRACKISH	ONCE THROUGH
IOLA	IOLA ELEC DEPT	KS	9418 1291 5	5	Standby	1957	GAS	FRESH	ONCE THROUGH
IOLA	IOLA ELEC DEPT	KS	9418 1291 4	3.5	Operational	1949	GAS	FRESH	ONCE THROUGH
JACK WATSON	MISSISSIPPI POWER CO	MS	12686 2049 2	75	Operational	1960	GAS	BRACKISH	COMBINATION (ONCE THROUGH/SPRAY CANAL)
JACK WATSON	MISSISSIPPI POWER CO	MS	12686 2049 1	75	Operational	1957	GAS	BRACKISH	COMBINATION (ONCE THROUGH/SPRAY CANAL)
JACK WATSON	MISSISSIPPI POWER CO	MS	12686 2049 3	112	Operational	1962	GAS	BRACKISH	COMBINATION (ONCE THROUGH/SPRAY CANAL)
JACK WATSON	MISSISSIPPI POWER CO	MS	12686 2049 4	250	Operational	1968	GAS	BRACKISH	COMBINATION (ONCE THROUGH/SPRAY CANAL)

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JAMES DEYOUNG	HOLLAND BD PUBLIC WORKS	MI	8723 1830 3	11.5	Operational	1952	COAL	FRESH	ONCE THROUGH
JAMES DEYOUNG	HOLLAND BD PUBLIC WORKS	MI	8723 1830 4	22	Operational	1962	COAL	FRESH	ONCE THROUGH
JAMES DEYOUNG	HOLLAND BD PUBLIC WORKS	MI	8723 1830 5	28.8	Operational	1969	COAL	FRESH	ONCE THROUGH
JAMES RIVER	SPRINGFIELD UTILITIES	MO	17833 2161 3	44	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
JAMES RIVER	SPRINGFIELD UTILITIES	MO	17833 2161 4	60	Operational	1964	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
JAMES RIVER	SPRINGFIELD UTILITIES	MO	17833 2161 2	22	Operational	1957	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
JAMES RIVER	SPRINGFIELD UTILITIES	MO	17833 2161 1	22	Operational	1957	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
JAMES RIVER	SPRINGFIELD UTILITIES	MO	17833 2161 5	105	Operational	1970	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
JB SIMS	GRAND HAVEN BD LT & PWR	MI	7483 1825 1	7.5	Standby	1961	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
JB SIMS	GRAND HAVEN BD LT & PWR	MI	7483 1825 2	7.5	Standby	1961	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER POND)
JB SIMS	GRAND HAVEN BD LT & PWR	MI	7483 1825 3	65	Operational	1983	COAL	GROUND	COMBINATION (ONCE THROUGH/HELPER POND)
JC MCNEIL	BURLINGTON ELECTRIC DEPT	VT	2548 589 1	50	Operational	1984	WOOD	GROUND	ONCE THROUGH
JC WEADOCK	CONSUMERS POWER CO	MI	4254 1720 8	156	Operational	1958	COAL	FRESH	ONCE THROUGH
JC WEADOCK	CONSUMERS POWER CO	MI	4254 1720 7	156	Operational	1955	COAL	FRESH	ONCE THROUGH



<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
JD KENNEDY	JACKSONVILLE ELEC AUTH	FL	9617	666	9	50	Standby	1958	OIL	BRACKISH	ONCE THROUGH
JD KENNEDY	JACKSONVILLE ELEC AUTH	FL	9617	666	8	50	Standby	1955	OIL	BRACKISH	ONCE THROUGH
JD KENNEDY	JACKSONVILLE ELEC AUTH	FL	9617	666	10	150	Operational	1961	GAS	BRACKISH	ONCE THROUGH
JE CORETTE	MONTANA POWER CO	MT	12825	2187	1	191	Operational	1968	COAL	FRESH	ONCE THROUGH
JEFFERIES	SOUTH CAROLINA PUB SERV	SC	17543	3319	1	50	Standby	1954	OIL	FRESH	ONCE THROUGH
JEFFERIES	SOUTH CAROLINA PUB SERV	SC	17543	3319	2	50	Standby	1954	OIL	FRESH	ONCE THROUGH
JENNISON	NEW YORK STATE ELEC & GAS	NY	13511	2531	1	37.5	Operational	1945	COAL	FRESH	ONCE THROUGH
JENNISON	NEW YORK STATE ELEC & GAS	NY	13511	2531	2	37.5	Operational	1950	COAL	FRESH	ONCE THROUGH
JH CAMPBELL	CONSUMERS POWER CO	MI	4254	1710	3	871	Operational	1980	COAL	FRESH	ONCE THROUGH
JH CAMPBELL	CONSUMERS POWER CO	MI	4254	1710	1	265	Operational	1962	COAL	FRESH	ONCE THROUGH
JH CAMPBELL	CONSUMERS POWER CO	MI	4254	1710	2	385	Operational	1967	COAL	FRESH	ONCE THROUGH
JM STUART	DAYTON POWER & LIGHT CO	OH	4922	2850	1	610	Operational	1971	COAL	FRESH	ONCE THROUGH
JM STUART	DAYTON POWER & LIGHT CO	OH	4922	2850	2	610	Operational	1971	COAL	FRESH	ONCE THROUGH
JM STUART	DAYTON POWER & LIGHT CO	OH	4922	2850	3	610	Operational	1972	COAL	FRESH	ONCE THROUGH

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JOHN SEVIER	TENNESSEE VALLEY AUTH	TN	18642 3405 1	200	Operational	1955	COAL	FRESH	ONCE THROUGH
JOHN SEVIER	TENNESSEE VALLEY AUTH	TN	18642 3405 2	200	Operational	1955	COAL	FRESH	ONCE THROUGH
JOHN SEVIER	TENNESSEE VALLEY AUTH	TN	18642 3405 3	200	Operational	1956	COAL	FRESH	ONCE THROUGH
JOHN SEVIER	TENNESSEE VALLEY AUTH	TN	18642 3405 4	200	Operational	1957	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 6	147	Operational	1953	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 9	173	Operational	1959	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 7	173	Operational	1958	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 5	147	Operational	1952	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 3	125	Operational	1952	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 8	173	Operational	1959	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 2	125	Operational	1951	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 10	173	Operational	1959	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 1	125	Operational	1951	COAL	FRESH	ONCE THROUGH
JOHNSONVILLE (TN)	TENNESSEE VALLEY AUTH	TN	18642 3406 4	125	Operational	1952	COAL	FRESH	ONCE THROUGH

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JOLIET	COMMONWEALTH EDISON CO	IL	4110	874	6	360	Operational	1959	COAL	FRESH	ONCE THROUGH
JOLIET	COMMONWEALTH EDISON CO	IL	4110	384	7	660	Operational	1965	COAL	FRESH	ONCE THROUGH
JOLIET	COMMONWEALTH EDISON CO	IL	4110	384	8	660	Operational	1966	COAL	FRESH	ONCE THROUGH
JOPPA	ELECTRIC ENERGY INC	IL	5748	887	2	183	Operational	1953	COAL	FRESH	ONCE THROUGH
JOPPA	ELECTRIC ENERGY INC	IL	5748	887	3	183	Operational	1954	COAL	FRESH	ONCE THROUGH
JOPPA	ELECTRIC ENERGY INC	IL	5748	887	4	183	Operational	1954	COAL	FRESH	ONCE THROUGH
JOPPA	ELECTRIC ENERGY INC	IL	5748	887	5	183	Operational	1955	COAL	FRESH	ONCE THROUGH
JOPPA	ELECTRIC ENERGY INC	IL	5748	887	6	183	Operational	1955	COAL	FRESH	ONCE THROUGH
JOPPA	ELECTRIC ENERGY INC	IL	5748	887	1	183	Operational	1953	COAL	FRESH	ONCE THROUGH
JOSLIN	CENTRAL POWER & LIGHT CO	TX	3278	3436	1	261	Operational	1971	GAS	BRACKISH	ONCE THROUGH
JP PULLIAM	WISCONSIN PUBLIC SERVICE	WI	20860	4072	4	30	Operational	1947	COAL	FRESH	ONCE THROUGH
JP PULLIAM	WISCONSIN PUBLIC SERVICE	WI	20860	4072	8	125	Operational	1964	COAL	FRESH	ONCE THROUGH
JP PULLIAM	WISCONSIN PUBLIC SERVICE	WI	20860	4072	7	75	Operational	1958	COAL	FRESH	ONCE THROUGH
JP PULLIAM	WISCONSIN PUBLIC SERVICE	WI	20860	4072	5	50	Operational	1949	COAL	FRESH	ONCE THROUGH

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JP PULLIAM	WISCONSIN PUBLIC SERVICE	WI	20860 4072 3	30	Operational	1943	COAL	FRESH	ONCE THROUGH
JP PULLIAM	WISCONSIN PUBLIC SERVICE	WI	20860 4072 6	62.5	Operational	1951	COAL	FRESH	ONCE THROUGH
JR WHITING	CONSUMERS POWER CO	MI	4254 1723 2	100	Operational	1952	COAL	FRESH	ONCE THROUGH
JR WHITING	CONSUMERS POWER CO	MI	4254 1723 3	125	Operational	1953	COAL	FRESH	ONCE THROUGH
JR WHITING	CONSUMERS POWER CO	MI	4254 1723 1	100	Operational	1952	COAL	FRESH	ONCE THROUGH
JS COOPER	EAST KENTUCKY POWER COOP	KY	5580 1384 2	221	Operational	1969	COAL	FRESH	ONCE THROUGH
JS COOPER	EAST KENTUCKY POWER COOP	KY	5580 1384 1	100	Operational	1965	COAL	FRESH	ONCE THROUGH
KAHE	HAWAIIAN ELECTRIC CO	HI	19547 765 2	81.6	Operational	1964	OIL	SALINE	ONCE THROUGH
KAHE	HAWAIIAN ELECTRIC CO	HI	19547 765 5	135	Operational	1974	OIL	SALINE	ONCE THROUGH
KAHE	HAWAIIAN ELECTRIC CO	HI	19547 765 6	135	Operational	1981	OIL	SALINE	ONCE THROUGH
KAHE	HAWAIIAN ELECTRIC CO	HI	19547 765 1	81.6	Operational	1963	OIL	SALINE	ONCE THROUGH
KAHE	HAWAIIAN ELECTRIC CO	HI	19547 765 4	90.9	Operational	1972	OIL	SALINE	ONCE THROUGH
KAHE	HAWAIIAN ELECTRIC CO	HI	19547 765 3	85.9	Operational	1970	OIL	SALINE	ONCE THROUGH
KAHULUI	MAUI ELECTRIC CO	HI	11834 6056 1	5	Operational	1948	OIL	GROUND	ONCE THROUGH

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KAHULUI	MAUI ELECTRIC CO	HI	11834 6056 2	5	Operational	1949	OIL	GROUND	ONCE THROUGH
KAHULUI	MAUI ELECTRIC CO	HI	11834 6056 3	11.5	Operational	1954	OIL	GROUND	ONCE THROUGH
KAHULUI	MAUI ELECTRIC CO	HI	11834 6056 4	12.5	Operational	1966	OIL	GROUND	ONCE THROUGH
KAMMER	OHIO POWER CO	WV	14006 3947 1	238	Operational	1958	COAL	FRESH	ONCE THROUGH
KAMMER	OHIO POWER CO	WV	14006 3947 2	238	Operational	1958	COAL	FRESH	ONCE THROUGH
KAMMER	OHIO POWER CO	WV	14006 3947 3	238	Operational	1959	COAL	FRESH	ONCE THROUGH
KANAWHA RIVER	APPALACHIAN POWER CO	WV	733 3936 1	220	Operational	1953	COAL	FRESH	ONCE THROUGH
KANAWHA RIVER	APPALACHIAN POWER CO	WV	733 3936 2	220	Operational	1953	COAL	FRESH	ONCE THROUGH
KAW (KS)	KANSAS CITY BD PUB UTIL	KS	9996 1294 1	46	Operational	1955	COAL	FRESH	ONCE THROUGH
KAW (KS)	KANSAS CITY BD PUB UTIL	KS	9996 1294 2	50	Operational	1957	COAL	FRESH	ONCE THROUGH
KAW (KS)	KANSAS CITY BD PUB UTIL	KS	9996 1294 3	65.3	Operational	1962	COAL	FRESH	ONCE THROUGH
KEARNY (NJ)	PUBLIC SERVICE ELEC & GAS	NJ	15477 2404 7	157	Operational	1953	OIL	BRACKISH	ONCE THROUGH
KEARNY (NJ)	PUBLIC SERVICE ELEC & GAS	NJ	15477 2404 8	157	Operational	1953	OIL	BRACKISH	ONCE THROUGH
KENDALL SQUARE	CAMBRIDGE ELEC LIGHT CO	MA	2886 1595 2	23	Operational	1951	GAS	FRESH	ONCE THROUGH

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KENDALL SQUARE	CAMBRIDGE ELEC LIGHT CO	MA	2886 1595 3	27.2	Operational	1958	GAS	FRESH	ONCE THROUGH
KENDALL SQUARE	CAMBRIDGE ELEC LIGHT CO	MA	2886 1595 1	17.3	Operational	1949	GAS	FRESH	ONCE THROUGH
KEWAUNEE	WISCONSIN PUBLIC SERVICE	WI	20860 8024 1	560	Operational	1974	UR	FRESH	ONCE THROUGH
KING	FORT PIERCE UTIL AUTH	FL	6616 658 6	16.5	Standby	1958	GAS	SALINE	ONCE THROUGH
KING	FORT PIERCE UTIL AUTH	FL	6616 658 7	33	Standby	1964	GAS	SALINE	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 4	175	Operational	1954	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 9	200	Operational	1955	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 8	200	Operational	1955	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 7	200	Operational	1955	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 6	200	Operational	1955	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 3	175	Operational	1954	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 2	175	Operational	1954	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 1	175	Operational	1954	COAL	FRESH	ONCE THROUGH
KINGSTON	TENNESSEE VALLEY AUTH	TN	18642 3407 5	200	Operational	1955	COAL	FRESH	ONCE THROUGH

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KINTIGH	NEW YORK STATE ELEC & GAS	NY	13511	6082	1	655	Operational	1984	COAL	FRESH	ONCE THROUGH
KRAFT	SAVANNAH ELEC & POWER CO	GA	16687	733	1	50	Operational	1958	COAL	BRACKISH	ONCE THROUGH
KRAFT	SAVANNAH ELEC & POWER CO	GA	16687	733	2	54.4	Operational	1961	COAL	BRACKISH	ONCE THROUGH
KRAFT	SAVANNAH ELEC & POWER CO	GA	16687	733	3	104	Operational	1965	COAL	BRACKISH	ONCE THROUGH
KRAFT	SAVANNAH ELEC & POWER CO	GA	16687	733	4	126	Operational	1972	OIL	BRACKISH	ONCE THROUGH
KYGER CREEK	OHIO VALLEY ELEC CORP	OH	14015	2876	1	217	Operational	1955	COAL	FRESH	ONCE THROUGH
KYGER CREEK	OHIO VALLEY ELEC CORP	OH	14015	2876	5	217	Operational	1955	COAL	FRESH	ONCE THROUGH
KYGER CREEK	OHIO VALLEY ELEC CORP	OH	14015	2876	4	217	Operational	1955	COAL	FRESH	ONCE THROUGH
KYGER CREEK	OHIO VALLEY ELEC CORP	OH	14015	2876	3	217	Operational	1955	COAL	FRESH	ONCE THROUGH
KYGER CREEK	OHIO VALLEY ELEC CORP	OH	14015	2876	2	217	Operational	1955	COAL	FRESH	ONCE THROUGH
KYRENE	SALT RIVER PROJECT	AZ	16572	147	1	34.5	Standby	1952	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
KYRENE	SALT RIVER PROJECT	AZ	16572	147	2	73.5	Standby	1954	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
LABADIE	UNION ELECTRIC CO	MO	19436	2103	1	621	Operational	1970	COAL	FRESH	ONCE THROUGH
LABADIE	UNION ELECTRIC CO	MO	19436	2103	2	621	Operational	1971	COAL	FRESH	ONCE THROUGH

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LABADIE	UNION ELECTRIC CO	MO	19436 2103 3	621	Operational	1972	COAL	FRESH	ONCE THROUGH
LABADIE	UNION ELECTRIC CO	MO	19436 2103 4	621	Operational	1973	COAL	FRESH	ONCE THROUGH
LAKE CATHERINE	ARKANSAS POWER & LIGHT CO	AR	814 170 3	120	Operational	1953	GAS	FRESH	ONCE THROUGH
LAKE CATHERINE	ARKANSAS POWER & LIGHT CO	AR	814 170 4	553	Operational	1970	GAS	FRESH	ONCE THROUGH
LAKE CATHERINE	ARKANSAS POWER & LIGHT CO	AR	814 170 1	41	Standby	1950	GAS	FRESH	ONCE THROUGH
LAKE CATHERINE	ARKANSAS POWER & LIGHT CO	AR	814 170 2	40	Standby	1950	GAS	FRESH	ONCE THROUGH
LAKE HUBBARD	TEXAS UTILITIES ELEC CO	TX	44372 3452 1	397	Operational	1970	GAS	FRESH	ONCE THROUGH
LAKE HUBBARD	TEXAS UTILITIES ELEC CO	TX	44372 3452 2	531	Operational	1973	GAS	FRESH	ONCE THROUGH
LAKE PAULINE	WEST TEXAS UTIL CO	TX	20404 3521 1	20	Standby	1928	GAS	FRESH	ONCE THROUGH
LAKE PAULINE	WEST TEXAS UTIL CO	TX	20404 3521 2	24.4	Standby	1951	GAS	FRESH	ONCE THROUGH
LAKE ROAD (MO)	ST JOSEPH LIGHT & POWER	MO	17881 2098 4	90	Operational	1967	COAL	GROUND	ONCE THROUGH
LAKE ROAD (OH)	CLEVELAND PUBLIC POWER	OH	3762 2908 10	25	Standby	1953	COAL	FRESH	ONCE THROUGH
LAKE ROAD (OH)	CLEVELAND PUBLIC POWER	OH	3762 2908 11	85	Standby	1967	COAL	FRESH	ONCE THROUGH
LAKE ROAD (OH)	CLEVELAND PUBLIC POWER	OH	3762 2908 8	25	Standby	1941	COAL	FRESH	ONCE THROUGH



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LAKE ROAD (OH)	CLEVELAND PUBLIC POWER	OH	3762 2908 9	25	Standby	1953	COAL	FRESH	ONCE THROUGH
LAKESIDE (IL)	SPRINGFIELD WTR LT & PWR	IL	17828 964 7	37.5	Operational	1965	COAL	FRESH	ONCE THROUGH
LAKESIDE (IL)	SPRINGFIELD WTR LT & PWR	IL	17828 964 6	37.5	Operational	1961	COAL	FRESH	ONCE THROUGH
LAMAR	LAMAR UTILITIES BOARD	CO	10633 508 4	25	Standby	1972	GAS	GROUND	ONCE THROUGH
LAMAR	LAMAR UTILITIES BOARD	CO	10633 508 3	5	Standby	1952	GAS	GROUND	ONCE THROUGH
LANSING	INTERSTATE POWER CO	IA	9392 1047 1	15	Operational	1948	COAL	FRESH	ONCE THROUGH
LANSING	INTERSTATE POWER CO	IA	9392 1047 2	11.5	Operational	1949	COAL	FRESH	ONCE THROUGH
LANSING	INTERSTATE POWER CO	IA	9392 1047 3	37.5	Operational	1957	COAL	FRESH	ONCE THROUGH
LANSING	INTERSTATE POWER CO	IA	9392 1047 4	275	Operational	1977	COAL	FRESH	ONCE THROUGH
LANSING SMITH	GULF POWER CO	FL	7801 643 2	190	Operational	1967	COAL	SALINE	ONCE THROUGH
LANSING SMITH	GULF POWER CO	FL	7801 643 1	150	Operational	1965	COAL	SALINE	ONCE THROUGH
LARSEN MEMORIAL	LAKELAND LT & WATER DEPT	FL	10623 675 7	50	Operational	1966	OIL	FRESH	ONCE THROUGH
LARSEN MEMORIAL	LAKELAND LT & WATER DEPT	FL	10623 675 6	25	Operational	1959	OIL	FRESH	ONCE THROUGH
LD WRIGHT	FREMONT DEPT OF UTILITIES	NE	6779 2240 6	16	Operational	1957	COAL	GROUND	ONCE THROUGH

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LD WRIGHT	FREMONT DEPT OF UTILITIES	NE	6779	2240	7	22	Operational	1963	COAL	GROUND	ONCE THROUGH
LEE (SC)	DUKE POWER CO	SC	5416	3264	1	90	Operational	1951	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
LEE (SC)	DUKE POWER CO	SC	5416	3264	2	90	Operational	1951	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
LEE (SC)	DUKE POWER CO	SC	5416	3264	3	165	Operational	1958	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
LELAND OLDS	BASIN ELEC POWER COOP	ND	1307	2817	1	216	Operational	1966	COAL	FRESH	ONCE THROUGH
LELAND OLDS	BASIN ELEC POWER COOP	ND	1307	2817	2	440	Operational	1975	COAL	FRESH	ONCE THROUGH
LEWIS & CLARK	MONTANA-DAKOTA UTILITIES	MT	12819	6089	1	50	Operational	1958	COAL	FRESH	ONCE THROUGH
LINDEN	PUBLIC SERVICE ELEC & GAS	NJ	15477	2406	1	260	Operational	1957	OIL	SALINE	ONCE THROUGH
LINDEN	PUBLIC SERVICE ELEC & GAS	NJ	15477	2406	2	260	Operational	1957	OIL	SALINE	ONCE THROUGH
LITTLE GYPSY	LOUISIANA POWER & LIGHT	LA	11241	1402	3	582	Operational	1969	GAS	FRESH	ONCE THROUGH
LITTLE GYPSY	LOUISIANA POWER & LIGHT	LA	11241	1402	2	383	Operational	1965	GAS	FRESH	ONCE THROUGH
LITTLE GYPSY	LOUISIANA POWER & LIGHT	LA	11241	1402	1	225	Operational	1961	GAS	FRESH	ONCE THROUGH
LL WILKINS	CLARKSDALE PUB UTIL COMM	MS	3702	2059	6	6	Standby	1956	GAS	GROUND	ONCE THROUGH
LL WILKINS	CLARKSDALE PUB UTIL COMM	MS	3702	2059	7	9	Standby	1965	GAS	GROUND	ONCE THROUGH

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LOGANSPO	LOGANSPO MUNI UTIL	IN	11142 1032 4	18	Operational	1958	COAL	FRESH	ONCE THROUGH
LOGANSPO	LOGANSPO MUNI UTIL	IN	11142 1032 5	25	Operational	1964	COAL	FRESH	ONCE THROUGH
LOVETT	ORANGE & ROCKLAND UTIL	NY	14154 2629 3	69	Operational	1955	GAS	BRACKISH	ONCE THROUGH
LOVETT	ORANGE & ROCKLAND UTIL	NY	14154 2629 4	180	Operational	1966	COAL	BRACKISH	ONCE THROUGH
LOVETT	ORANGE & ROCKLAND UTIL	NY	14154 2629 2	23	Standby	1951	GAS	BRACKISH	ONCE THROUGH
LOVETT	ORANGE & ROCKLAND UTIL	NY	14154 2629 1	23	Standby	1949	GAS	BRACKISH	ONCE THROUGH
LOVETT	ORANGE & ROCKLAND UTIL	NY	14154 2629 5	201	Operational	1969	COAL	BRACKISH	ONCE THROUGH
MADGETT	DAIRYLAND POWER COOP	WI	4716 4271 1	387	Operational	1979	COAL	FRESH	ONCE THROUGH
MANCHESTER STREET	NEW ENGLAND POWER CO	RI	13433 3236 10	46	Operational	1947	GAS	BRACKISH	ONCE THROUGH
MANCHESTER STREET	NEW ENGLAND POWER CO	RI	13433 3236 11	46	Operational	1949	OIL	BRACKISH	ONCE THROUGH
MANCHESTER STREET	NEW ENGLAND POWER CO	RI	13433 3236 9	46	Operational	1941	GAS	BRACKISH	ONCE THROUGH
MANDALAY	SOUTHERN CALIF EDISON CO	CA	17609 345 1	218	Operational	1959	GAS	SALINE	ONCE THROUGH
MANDALAY	SOUTHERN CALIF EDISON CO	CA	17609 345 2	218	Operational	1959	GAS	SALINE	ONCE THROUGH
MANITOWOC	MANITOWOC PUBLIC UTIL	WI	11571 4125 3	10	Standby	1941	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
MANITOWOC	MANITOWOC PUBLIC UTIL	WI	11571 4125 7	21	Operational	1964	COAL	FRESH	ONCE THROUGH
MANITOWOC	MANITOWOC PUBLIC UTIL	WI	11571 4125 6	32	Operational	1956	COAL	FRESH	ONCE THROUGH
MANITOWOC	MANITOWOC PUBLIC UTIL	WI	11571 4125 4	10	Standby	1946	COAL	FRESH	ONCE THROUGH
MANITOWOC	MANITOWOC PUBLIC UTIL	WI	11571 4125 5	22	Operational	1952	COAL	FRESH	ONCE THROUGH
MARION (IL)	SOUTH ILLINOIS POWER COOP	IL	17632 976 1	33	Operational	1963	COAL	FRESH	ONCE THROUGH
MARION (IL)	SOUTH ILLINOIS POWER COOP	IL	17632 976 2	33	Operational	1963	COAL	FRESH	ONCE THROUGH
MARION (IL)	SOUTH ILLINOIS POWER COOP	IL	17632 976 3	33	Operational	1963	COAL	FRESH	ONCE THROUGH
MARION (IL)	SOUTH ILLINOIS POWER COOP	IL	17632 976 4	173	Operational	1978	COAL	FRESH	ONCE THROUGH
MARSHALL (NC)	DUKE POWER CO	NC	5416 2727 1	350	Operational	1965	COAL	FRESH	ONCE THROUGH
MARSHALL (NC)	DUKE POWER CO	NC	5416 2727 2	350	Operational	1966	COAL	FRESH	ONCE THROUGH
MARSHALL (NC)	DUKE POWER CO	NC	5416 2727 3	648	Operational	1969	COAL	FRESH	ONCE THROUGH
MARSHALL (NC)	DUKE POWER CO	NC	5416 2727 4	648	Operational	1970	COAL	FRESH	ONCE THROUGH
MARTINS CREEK	PENNSYLVANIA POWER & LT	PA	14715 3148 1	156	Operational	1954	COAL	FRESH	ONCE THROUGH
MARTINS CREEK	PENNSYLVANIA POWER & LT	PA	14715 3148 2	156	Operational	1956	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
MARYSVILLE	DETROIT EDISON CO	MI	5109 1732 8	75	Operational	1947	COAL	FRESH	ONCE THROUGH
MARYSVILLE	DETROIT EDISON CO	MI	5109 1732 6	50	Operational	1942	COAL	FRESH	ONCE THROUGH
MARYSVILLE	DETROIT EDISON CO	MI	5109 1732 7	75	Operational	1943	COAL	FRESH	ONCE THROUGH
MCCLELLAN	ARKANSAS ELEC COOP CORP	AR	807 203 1	133	Operational	1972	GAS	FRESH	COMBINATION (ONCE THROUGH/SPRAY POND)
MCDONOUGH	GEORGIA POWER CO	GA	7140 710 1	299	Operational	1963	COAL	FRESH	ONCE THROUGH
MCDONOUGH	GEORGIA POWER CO	GA	7140 710 2	299	Operational	1964	COAL	FRESH	ONCE THROUGH
MCGUIRE	DUKE POWER CO	NC	5416 6038 1	1305	Operational	1981	UR	FRESH	ONCE THROUGH
MCGUIRE	DUKE POWER CO	NC	5416 6038 2	1305	Operational	1984	UR	FRESH	ONCE THROUGH
MCINTOSH (FL)	LAKELAND LT & WATER DEPT	FL	10623 676 1	90	Operational	1971	OIL	FRESH	ONCE THROUGH
MCINTOSH (GA)	SAVANNAH ELEC & POWER CO	GA	16687 6124 1	178	Operational	1979	COAL	FRESH	ONCE THROUGH
MCMANUS	GEORGIA POWER CO	GA	7140 715 1	50	Operational	1952	OIL	BRACKISH	ONCE THROUGH
MCMANUS	GEORGIA POWER CO	GA	7140 715 2	93.8	Operational	1959	OIL	BRACKISH	ONCE THROUGH
MCMEEKIN	SOUTH CAROLINA ELEC & GAS	SC	17539 3287 1	147	Operational	1958	COAL	FRESH	ONCE THROUGH
MCMEEKIN	SOUTH CAROLINA ELEC & GAS	SC	17539 3287 2	147	Operational	1958	COAL	FRESH	ONCE THROUGH

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MCWILLIAMS	ALABAMA ELECTRIC COOP	AL	189 533 1	7.5	Operational	1954	GAS	FRESH	ONCE THROUGH
MCWILLIAMS	ALABAMA ELECTRIC COOP	AL	189 533 3	25	Operational	1959	GAS	FRESH	ONCE THROUGH
MCWILLIAMS	ALABAMA ELECTRIC COOP	AL	189 533 2	7.5	Operational	1954	GAS	FRESH	ONCE THROUGH
MERAMEC	UNION ELECTRIC CO	MO	19436 2104 1	138	Operational	1953	COAL	FRESH	ONCE THROUGH
MERAMEC	UNION ELECTRIC CO	MO	19436 2104 2	138	Operational	1954	COAL	FRESH	ONCE THROUGH
MERAMEC	UNION ELECTRIC CO	MO	19436 2104 3	289	Operational	1959	COAL	FRESH	ONCE THROUGH
MERAMEC	UNION ELECTRIC CO	MO	19436 2104 4	359	Operational	1961	COAL	FRESH	ONCE THROUGH
MERCER	PUBLIC SERVICE ELEC & GAS	NJ	15477 2408 1	326	Operational	1960	COAL	FRESH	ONCE THROUGH
MERCER	PUBLIC SERVICE ELEC & GAS	NJ	15477 2408 2	326	Operational	1961	COAL	FRESH	ONCE THROUGH
MEREDOSIA	CENT ILLINOIS PUBLIC SERV	IL	3253 864 1	57.5	Operational	1948	COAL	FRESH	ONCE THROUGH
MEREDOSIA	CENT ILLINOIS PUBLIC SERV	IL	3253 864 2	57.5	Operational	1949	COAL	FRESH	ONCE THROUGH
MEREDOSIA	CENT ILLINOIS PUBLIC SERV	IL	3253 864 3	239	Operational	1960	COAL	FRESH	ONCE THROUGH
MERRIMACK	PUBLIC SERV NEW HAMPSHIRE	NH	15472 2364 1	114	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/SPRAY CANAL)
MERRIMACK	PUBLIC SERV NEW HAMPSHIRE	NH	15472 2364 2	346	Operational	1968	COAL	FRESH	COMBINATION (ONCE THROUGH/SPRAY CANAL)

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MIAMI FORT	CINCINNATI GAS & ELEC CO	OH	3542	2832	5	100	Operational	1949	COAL	FRESH	ONCE THROUGH
MIAMI FORT	CINCINNATI GAS & ELEC CO	OH	3542	2832	6	163	Operational	1960	COAL	FRESH	ONCE THROUGH
MICHIGAN CITY	NO INDIANA PUBLIC SERVICE	IN	13756	997	2	70	Operational	1950	GAS	FRESH	ONCE THROUGH
MICHIGAN CITY	NO INDIANA PUBLIC SERVICE	IN	13756	997	3	70	Operational	1951	GAS	FRESH	ONCE THROUGH
MICHOUD	NEW ORLEANS PUBLIC SERV	LA	13478	1409	3	582	Operational	1967	GAS	BRACKISH	ONCE THROUGH
MICHOUD	NEW ORLEANS PUBLIC SERV	LA	13478	1409	1	115	Standby	1957	GAS	BRACKISH	ONCE THROUGH
MICHOUD	NEW ORLEANS PUBLIC SERV	LA	13478	1409	2	238	Operational	1963	GAS	BRACKISH	ONCE THROUGH
MIDDLETOWN	CONNECTICUT LIGHT & POWER	CT	4176	562	2	114	Operational	1958	OIL	FRESH	ONCE THROUGH
MIDDLETOWN	CONNECTICUT LIGHT & POWER	CT	4176	562	3	239	Operational	1964	OIL	FRESH	ONCE THROUGH
MILL CREEK (KY)	LOUISVILLE GAS & ELEC CO	KY	11249	1364	1	356	Operational	1972	COAL	FRESH	ONCE THROUGH
MILLIKEN	NEW YORK STATE ELEC & GAS	NY	13511	2535	1	155	Operational	1955	COAL	FRESH	ONCE THROUGH
MILLIKEN	NEW YORK STATE ELEC & GAS	NY	13511	2535	2	167	Operational	1958	COAL	FRESH	ONCE THROUGH
MILLSTONE	NORTHEAST NUC ENERGY CO	CT	21687	566	1	662	Operational	1971	UR	SALINE	ONCE THROUGH
MILLSTONE	NORTHEAST NUC ENERGY CO	CT	21687	566	2	909	Operational	1975	UR	SALINE	ONCE THROUGH

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MILLSTONE	NORTHEAST NUC ENERGY CO	CT	21687	566	3	1253	Operational	1986	UR	SALINE	ONCE THROUGH
MINNESOTA VALLEY	NORTHERN STATES POWER CO	MN	13781	1918	3	46	Operational	1953	COAL	FRESH	ONCE THROUGH
MISSOURI CITY	INDEPENDENCE POWER & LT	MO	9231	2171	1	23	Operational	1954	COAL	FRESH	ONCE THROUGH
MISSOURI CITY	INDEPENDENCE POWER & LT	MO	9231	2171	2	23	Operational	1954	COAL	FRESH	ONCE THROUGH
MISTERSKY	DETROIT PUBLIC LIGHTING	MI	5107	1822	5	44	Operational	1950	OIL	FRESH	ONCE THROUGH
MISTERSKY	DETROIT PUBLIC LIGHTING	MI	5107	1822	6	50	Operational	1958	OIL	FRESH	ONCE THROUGH
MISTERSKY	DETROIT PUBLIC LIGHTING	MI	5107	1822	7	60	Operational	1979	GAS	FRESH	ONCE THROUGH
MITCHELL (GA)	GEORGIA POWER CO	GA	7140	727	1	27.6	Operational	1948	COAL	FRESH	ONCE THROUGH
MITCHELL (GA)	GEORGIA POWER CO	GA	7140	727	2	27.6	Operational	1949	COAL	FRESH	ONCE THROUGH
MITCHELL (GA)	GEORGIA POWER CO	GA	7140	727	3	163	Operational	1964	COAL	FRESH	ONCE THROUGH
MITCHELL (PA)	WEST PENN POWER CO	PA	20387	3181	1	74.8	Operational	1948	OIL	FRESH	ONCE THROUGH
MITCHELL (PA)	WEST PENN POWER CO	PA	20387	3181	2	74.8	Standby	1949	OIL	FRESH	ONCE THROUGH
MITCHELL (PA)	WEST PENN POWER CO	PA	20387	3181	3	299	Operational	1963	COAL	FRESH	ONCE THROUGH
ML HIBBARD	MINNESOTA POWER & LIGHT	MN	12647	1897	1	25	Standby	1931	OIL	FRESH	ONCE THROUGH



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ML HIBBARD	MINNESOTA POWER & LIGHT	MN	12647	1897	4	37.5	Operational	1951	WOOD	FRESH	ONCE THROUGH
ML HIBBARD	MINNESOTA POWER & LIGHT	MN	12647	1897	2	25	Standby	1943	OIL	FRESH	ONCE THROUGH
ML HIBBARD	MINNESOTA POWER & LIGHT	MN	12647	1897	3	35	Operational	1949	WOOD	FRESH	ONCE THROUGH
ML KAPP	INTERSTATE POWER CO	IA	9392	1048	1	18.8	Operational	1947	GAS	FRESH	ONCE THROUGH
ML KAPP	INTERSTATE POWER CO	IA	9392	1048	2	219	Operational	1967	COAL	FRESH	ONCE THROUGH
MONROE (MI)	DETROIT EDISON CO	MI	5109	1733	3	823	Operational	1973	COAL	FRESH	ONCE THROUGH
MONROE (MI)	DETROIT EDISON CO	MI	5109	1733	4	817	Operational	1974	COAL	FRESH	ONCE THROUGH
MONROE (MI)	DETROIT EDISON CO	MI	5109	1733	1	817	Operational	1971	COAL	FRESH	ONCE THROUGH
MONROE (MI)	DETROIT EDISON CO	MI	5109	1733	2	823	Operational	1973	COAL	FRESH	ONCE THROUGH
MONTICELLO (MN)	NORTHERN STATES POWER CO	MN	13781	1922	1	569	Operational	1971	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
MONTVILLE	CONNECTICUT LIGHT & POWER	CT	4176	546	5	75	Operational	1954	OIL	BRACKISH	ONCE THROUGH
MONTVILLE	CONNECTICUT LIGHT & POWER	CT	4176	546	6	415	Operational	1971	OIL	BRACKISH	ONCE THROUGH
MORGANTOW N	POTOMAC ELECTRIC POWER CO	MD	15270	1573	1	626	Operational	1970	COAL	BRACKISH	ONCE THROUGH
MORGANTOW N	POTOMAC ELECTRIC POWER CO	MD	15270	1573	2	626	Operational	1971	COAL	BRACKISH	ONCE THROUGH

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MORRO BAY	PACIFIC GAS & ELEC CO	CA	14328	259	2	169	Operational	1955	GAS	SALINE	ONCE THROUGH
MORRO BAY	PACIFIC GAS & ELEC CO	CA	14328	259	3	359	Operational	1962	GAS	SALINE	ONCE THROUGH
MORRO BAY	PACIFIC GAS & ELEC CO	CA	14328	259	4	359	Operational	1963	GAS	SALINE	ONCE THROUGH
MORRO BAY	PACIFIC GAS & ELEC CO	CA	14328	259	1	169	Operational	1956	GAS	SALINE	ONCE THROUGH
MOSS LANDING	PACIFIC GAS & ELEC CO	CA	14328	260	6	812	Operational	1967	GAS	SALINE	ONCE THROUGH
MOSS LANDING	PACIFIC GAS & ELEC CO	CA	14328	260	7	812	Operational	1968	GAS	SALINE	ONCE THROUGH
MOUNT STORM	VIRGINIA ELEC & POWER CO	WV	19876	3954	1	570	Operational	1965	COAL	FRESH	ONCE THROUGH
MOUNT STORM	VIRGINIA ELEC & POWER CO	WV	19876	3954	2	570	Operational	1966	COAL	FRESH	ONCE THROUGH
MOUNT STORM	VIRGINIA ELEC & POWER CO	WV	19876	3954	3	522	Operational	1973	COAL	FRESH	ONCE THROUGH
MOUNT TOM	HOLYOKE WATER POWER CO	MA	8779	1606	1	136	Operational	1960	COAL	FRESH	ONCE THROUGH
MOUNTAIN CREEK	TEXAS UTILITIES ELEC CO	TX	44372	3453	3	75	Operational	1949	GAS	FRESH	ONCE THROUGH
MOUNTAIN CREEK	TEXAS UTILITIES ELEC CO	TX	44372	3453	8	581	Operational	1967	GAS	FRESH	ONCE THROUGH
MOUNTAIN CREEK	TEXAS UTILITIES ELEC CO	TX	44372	3453	6	136	Operational	1956	GAS	FRESH	ONCE THROUGH
MOUNTAIN CREEK	TEXAS UTILITIES ELEC CO	TX	44372	3453	2	31.2	Standby	1945	GAS	FRESH	ONCE THROUGH

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MOUNTAIN CREEK	TEXAS UTILITIES ELEC CO	TX	44372 3453 7	136	Operational	1958	GAS	FRESH	ONCE THROUGH
MUSCATINE	MUSCATINE POWER & WATER	IA	13143 1167 7	22.5	Operational	1958	COAL	FRESH	ONCE THROUGH
MUSCATINE	MUSCATINE POWER & WATER	IA	13143 1167 8	66	Operational	1969	COAL	FRESH	ONCE THROUGH
MUSCATINE	MUSCATINE POWER & WATER	IA	13143 1167 9	160	Operational	1983	COAL	FRESH	ONCE THROUGH
MUSKINGUM RIVER	OHIO POWER CO	OH	14006 2872 3	238	Operational	1957	COAL	FRESH	ONCE THROUGH
MUSKINGUM RIVER	OHIO POWER CO	OH	14006 2872 4	238	Operational	1958	COAL	FRESH	ONCE THROUGH
MUSKINGUM RIVER	OHIO POWER CO	OH	14006 2872 2	220	Operational	1954	COAL	FRESH	ONCE THROUGH
MUSKINGUM RIVER	OHIO POWER CO	OH	14006 2872 1	220	Operational	1953	COAL	FRESH	ONCE THROUGH
MUSKOGEE	OKLAHOMA GAS & ELEC CO	OK	14063 2952 3	173	Operational	1956	GAS	FRESH	ONCE THROUGH
MYSTIC	BOSTON EDISON CO	MA	1998 1588 4	156	Operational	1957	OIL	BRACKISH	ONCE THROUGH
MYSTIC	BOSTON EDISON CO	MA	1998 1588 5	156	Operational	1959	OIL	BRACKISH	ONCE THROUGH
MYSTIC	BOSTON EDISON CO	MA	1998 1588 6	156	Operational	1961	OIL	BRACKISH	ONCE THROUGH
MYSTIC	BOSTON EDISON CO	MA	1998 1588 7	617	Operational	1975	OIL	BRACKISH	ONCE THROUGH
NEARMAN CREEK	KANSAS CITY BD PUB UTIL	KS	9996 6064 1	261	Operational	1981	COAL	FRESH	ONCE THROUGH

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NEBRASKA CITY	OMAHA PUBLIC POWER DIST	NE	14127	6096	1	616	Operational	1979	COAL	FRESH	ONCE THROUGH
NELSON DEWEY	WISCONSIN POWER & LIGHT	WI	20856	4054	2	114	Operational	1962	COAL	FRESH	ONCE THROUGH
NELSON DEWEY	WISCONSIN POWER & LIGHT	WI	20856	4054	1	114	Operational	1959	COAL	FRESH	ONCE THROUGH
NEW BOSTON	BOSTON EDISON CO	MA	1998	1589	1	359	Operational	1965	GAS	SALINE	ONCE THROUGH
NEW BOSTON	BOSTON EDISON CO	MA	1998	1589	2	359	Operational	1967	GAS	SALINE	ONCE THROUGH
NEW CASTLE	PENNSYLVANIA POWER CO	PA	14716	3138	3	97.8	Operational	1952	COAL	FRESH	ONCE THROUGH
NEW CASTLE	PENNSYLVANIA POWER CO	PA	14716	3138	4	114	Operational	1958	COAL	FRESH	ONCE THROUGH
NEW CASTLE	PENNSYLVANIA POWER CO	PA	14716	3138	5	136	Operational	1964	COAL	FRESH	ONCE THROUGH
NEW HAVEN HARBOR	UNITED ILLUMINATING CO	CT	19497	6156	1	460	Operational	1975	OIL	SALINE	ONCE THROUGH
NEW MADRID	ASSOCIATED ELECTRIC COOP	MO	924	2167	1	600	Operational	1972	COAL	FRESH	ONCE THROUGH
NEW MADRID	ASSOCIATED ELECTRIC COOP	MO	924	2167	2	600	Operational	1977	COAL	FRESH	ONCE THROUGH
NEWINGTON	PUBLIC SERV NEW HAMPSHIRE	NH	15472	8002	1	414	Operational	1974	OIL	BRACKISH	ONCE THROUGH
NILES (OH)	OHIO EDISON CO	OH	13998	2861	1	125	Operational	1954	COAL	FRESH	ONCE THROUGH
NILES (OH)	OHIO EDISON CO	OH	13998	2861	2	125	Operational	1954	COAL	FRESH	ONCE THROUGH

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NINE MILE POINT	NIAGARA MOHAWK POWER CORP	NY	13573	2589	1	642	Operational	1969	UR	FRESH	ONCE THROUGH
NINEMILE POINT	LOUISIANA POWER & LIGHT	LA	11241	1403	4	783	Operational	1971	GAS	FRESH	ONCE THROUGH
NINEMILE POINT	LOUISIANA POWER & LIGHT	LA	11241	1403	5	783	Operational	1973	GAS	FRESH	ONCE THROUGH
NINEMILE POINT	LOUISIANA POWER & LIGHT	LA	11241	1403	2	103	Operational	1953	GAS	FRESH	ONCE THROUGH
NINEMILE POINT	LOUISIANA POWER & LIGHT	LA	11241	1403	1	57	Operational	1951	GAS	FRESH	ONCE THROUGH
NINEMILE POINT	LOUISIANA POWER & LIGHT	LA	11241	1403	3	136	Operational	1955	GAS	FRESH	ONCE THROUGH
NOBLESVILLE	PSI ENERGY INC	IN	15470	1007	1	50	Operational	1950	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
NOBLESVILLE	PSI ENERGY INC	IN	15470	1007	2	50	Operational	1950	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
NORTH DENVER	HASTINGS UTILITIES DEPT	NE	8245	60	4	17	Standby	1957	GAS	GROUND	ONCE THROUGH
NORTH LAKE	TEXAS UTILITIES ELEC CO	TX	44372	3454	1	177	Operational	1959	GAS	FRESH	ONCE THROUGH
NORTH LAKE	TEXAS UTILITIES ELEC CO	TX	44372	3454	2	171	Operational	1961	GAS	FRESH	ONCE THROUGH
NORTH LAKE	TEXAS UTILITIES ELEC CO	TX	44372	3454	3	361	Operational	1964	GAS	FRESH	ONCE THROUGH
NORTH OMAHA	OMAHA PUBLIC POWER DIST	NE	14127	2291	1	73.5	Operational	1954	COAL	FRESH	ONCE THROUGH
NORTH OMAHA	OMAHA PUBLIC POWER DIST	NE	14127	2291	2	109	Operational	1957	COAL	FRESH	ONCE THROUGH

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NORTH OMAHA	OMAHA PUBLIC POWER DIST	NE	14127	2291	3	109	Operational	1959	COAL	FRESH	ONCE THROUGH
NORTH OMAHA	OMAHA PUBLIC POWER DIST	NE	14127	2291	4	136	Operational	1963	COAL	FRESH	ONCE THROUGH
NORTH OMAHA	OMAHA PUBLIC POWER DIST	NE	14127	2291	5	218	Operational	1968	COAL	FRESH	ONCE THROUGH
NORTH TEXAS	BRAZOS ELEC POWER COOP	TX	2172	3627	3	38	Operational	1963	GAS	FRESH	ONCE THROUGH
NORTH TEXAS	BRAZOS ELEC POWER COOP	TX	2172	3627	2	16.5	Operational	1958	GAS	FRESH	ONCE THROUGH
NORTH TEXAS	BRAZOS ELEC POWER COOP	TX	2172	3627	1	16.5	Operational	1958	GAS	FRESH	ONCE THROUGH
NORTHPORT	LONG ISLAND LIGHTING CO	NY	11172	2516	1	387	Operational	1967	OIL	SALINE	ONCE THROUGH
NORTHPORT	LONG ISLAND LIGHTING CO	NY	11172	2516	4	387	Operational	1977	GAS	SALINE	ONCE THROUGH
NORTHPORT	LONG ISLAND LIGHTING CO	NY	11172	2516	2	387	Operational	1968	GAS	SALINE	ONCE THROUGH
NORTHPORT	LONG ISLAND LIGHTING CO	NY	11172	2516	3	387	Operational	1972	OIL	SALINE	ONCE THROUGH
NORTHSIDE	JACKSONVILLE ELEC AUTH	FL	9617	667	1	298	Operational	1966	OIL	BRACKISH	ONCE THROUGH
NORTHSIDE	JACKSONVILLE ELEC AUTH	FL	9617	667	2	298	Operational	1972	OIL	BRACKISH	ONCE THROUGH
NORTHSIDE	JACKSONVILLE ELEC AUTH	FL	9617	667	3	564	Operational	1977	OIL	BRACKISH	ONCE THROUGH
NORWALK HARBOR	CONNECTICUT LIGHT & POWER	CT	4176	548	2	163	Operational	1963	OIL	SALINE	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
NORWALK HARBOR	CONNECTICUT LIGHT & POWER	CT	4176	548	1	163	Operational	1960	OIL	SALINE	ONCE THROUGH
NUECES BAY	CENTRAL POWER & LIGHT CO	TX	3278	3441	5	34.5	Standby	1949	GAS	BRACKISH	ONCE THROUGH
NUECES BAY	CENTRAL POWER & LIGHT CO	TX	3278	3441	6	180	Operational	1965	GAS	BRACKISH	ONCE THROUGH
NUECES BAY	CENTRAL POWER & LIGHT CO	TX	3278	3441	7	351	Operational	1972	GAS	BRACKISH	ONCE THROUGH
OAK CREEK (TX)	WEST TEXAS UTIL CO	TX	20404	3523	1	81.6	Operational	1962	GAS	FRESH	ONCE THROUGH
OAK CREEK (WI)	WISCONSIN ELEC POWER CO	WI	20847	4041	6	275	Operational	1961	COAL	FRESH	ONCE THROUGH
OAK CREEK (WI)	WISCONSIN ELEC POWER CO	WI	20847	4041	7	318	Operational	1965	COAL	FRESH	ONCE THROUGH
OAK CREEK (WI)	WISCONSIN ELEC POWER CO	WI	20847	4041	5	275	Operational	1959	COAL	FRESH	ONCE THROUGH
OAK CREEK (WI)	WISCONSIN ELEC POWER CO	WI	20847	4041	8	324	Operational	1967	COAL	FRESH	ONCE THROUGH
OCONEE	DUKE POWER CO	SC	5416	3265	1	925	Operational	1973	UR	FRESH	ONCE THROUGH
OCONEE	DUKE POWER CO	SC	5416	3265	2	925	Operational	1974	UR	FRESH	ONCE THROUGH
OCONEE	DUKE POWER CO	SC	5416	3265	3	925	Operational	1974	UR	FRESH	ONCE THROUGH
ORMOND BEACH	SOUTHERN CALIF EDISON CO	CA	17609	350	1	806	Operational	1971	GAS	SALINE	ONCE THROUGH
ORMOND BEACH	SOUTHERN CALIF EDISON CO	CA	17609	350	2	806	Operational	1973	GAS	SALINE	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>	
OSWEGO	NIAGARA MOHAWK POWER CORP	NY	13573 2594	3	92	Operational	1948	GAS	FRESH	ONCE THROUGH
OSWEGO	NIAGARA MOHAWK POWER CORP	NY	13573 2594	6	902	Operational	1980	OIL	FRESH	ONCE THROUGH
OSWEGO	NIAGARA MOHAWK POWER CORP	NY	13573 2594	4	100	Operational	1951	OIL	FRESH	ONCE THROUGH
OSWEGO	NIAGARA MOHAWK POWER CORP	NY	13573 2594	5	902	Standby	1975	OIL	FRESH	ONCE THROUGH
OYSTER CREEK	GPU NUCLEAR CORP	NJ	7423 2388	1	550	Operational	1969	UR	BRACKISH	ONCE THROUGH
PAINT CREEK	WEST TEXAS UTIL CO	TX	20404 3524	1	34.5	Operational	1953	GAS	FRESH	ONCE THROUGH
PAINT CREEK	WEST TEXAS UTIL CO	TX	20404 3524	2	37.5	Operational	1954	GAS	FRESH	ONCE THROUGH
PAINT CREEK	WEST TEXAS UTIL CO	TX	20404 3524	3	54.4	Operational	1959	GAS	FRESH	ONCE THROUGH
PAINT CREEK	WEST TEXAS UTIL CO	TX	20404 3524	4	115	Operational	1971	GAS	FRESH	ONCE THROUGH
PALISADES (MI)	CONSUMERS POWER CO	MI	4254 1715	1	812	Operational	1971	UR	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PALO SECO	PUERTO RICO ELEC PWR AUTH	PR	15497	2	93.8	Operational	1961	OIL	SALINE	ONCE THROUGH
PALO SECO	PUERTO RICO ELEC PWR AUTH	PR	15497	3	229	Operational	1970	OIL	SALINE	ONCE THROUGH
PALO SECO	PUERTO RICO ELEC PWR AUTH	PR	15497	1	93.8	Operational	1960	OIL	SALINE	ONCE THROUGH
PALO SECO	PUERTO RICO ELEC PWR AUTH	PR	15497	4	229	Operational	1970	OIL	SALINE	ONCE THROUGH



<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
PARADISE	TENNESSEE VALLEY AUTH	KY	18642	1378	1	704	Operational	1963	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
PARADISE	TENNESSEE VALLEY AUTH	KY	18642	1378	2	704	Operational	1963	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
PATERSON	NEW ORLEANS PUBLIC SERV	LA	13478	1407	3	51.8	Standby	1950	GAS	BRACKISH	ONCE THROUGH
PATERSON	NEW ORLEANS PUBLIC SERV	LA	13478	1407	4	81.3	Standby	1954	GAS	BRACKISH	ONCE THROUGH
PEACH BOTTOM	PECO ENERGY CO	PA	14940	3166	3	1152	Operational	1974	UR	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PEACH BOTTOM	PECO ENERGY CO	PA	14940	3166	2	1152	Operational	1974	UR	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PEARL	SOYLAND POWER COOP	IL	40307	6238	1	22	Operational	1966	COAL	FRESH	ONCE THROUGH
PERRY (IN)	INDIANAPOLIS POWER & LT	IN	9273	992	7	11.6	Operational	1966	COAL	FRESH	COMBINATION (ONCE THROUGH/SPRAY TOWER)
PERRY (IN)	INDIANAPOLIS POWER & LT	IN	9273	992	4	15	Operational	1925	COAL	FRESH	COMBINATION (ONCE THROUGH/SPRAY TOWER)
PERU (IL)	PERU (IL) LIGHT DEPT	IL	14840	3166	4	7.5	Standby	1960	GAS	FRESH	ONCE THROUGH
PERU (IN)	PERU (IN) UTILITIES	IN	14839	1037	2	22	Operational	1948	COAL	FRESH	ONCE THROUGH
PERU (IN)	PERU (IN) UTILITIES	IN	14839	1037	3	10	Operational	1959	COAL	FRESH	ONCE THROUGH
PETERSBURG	INDIANAPOLIS POWER & LT	IN	9273	994	2	471	Operational	1969	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PETERSBURG	INDIANAPOLIS POWER & LT	IN	9273	994	1	253	Operational	1967	COAL	FRESH	ONCE THROUGH

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PH ROBINSON	HOUSTON LIGHTING & POWER	TX	8901 3466 1	485	Operational	1966	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PH ROBINSON	HOUSTON LIGHTING & POWER	TX	8901 3466 2	485	Operational	1967	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PH ROBINSON	HOUSTON LIGHTING & POWER	TX	8901 3466 3	581	Operational	1968	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PH ROBINSON	HOUSTON LIGHTING & POWER	TX	8901 3466 4	765	Operational	1973	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PHILIP SPORN	CENTRAL OPERATING CO	WV	3277 3938 4	153	Operational	1952	COAL	FRESH	ONCE THROUGH
PHILIP SPORN	CENTRAL OPERATING CO	WV	3277 3938 3	153	Operational	1951	COAL	FRESH	ONCE THROUGH
PHILIP SPORN	CENTRAL OPERATING CO	WV	3277 3938 2	153	Operational	1950	COAL	FRESH	ONCE THROUGH
PHILIP SPORN	CENTRAL OPERATING CO	WV	3277 3938 1	153	Operational	1950	COAL	FRESH	ONCE THROUGH
PHILIP SPORN	CENTRAL OPERATING CO	WV	3277 3938 5	496	Operational	1960	COAL	FRESH	ONCE THROUGH
PICWAY	COLUMBUS SOUTHERN POWER	OH	4062 2843 5	106	Operational	1955	COAL	FRESH	ONCE THROUGH
PILGRIM	BOSTON EDISON CO	MA	1998 1590 1	678	Operational	1972	UR	SALINE	ONCE THROUGH
PIQUA	PIQUA MUNI POWER SYSTEM	OH	15095 2937 6	12.5	Operational	1951	COAL	FRESH	ONCE THROUGH
PIQUA	PIQUA MUNI POWER SYSTEM	OH	15095 2937 7	20	Operational	1961	COAL	FRESH	ONCE THROUGH
PIQUA	PIQUA MUNI POWER SYSTEM	OH	15095 2937 4	7.5	Operational	1947	COAL	FRESH	ONCE THROUGH

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PITTSBURG	PACIFIC GAS & ELEC CO	CA	14328	271	4	156	Operational	1954	GAS	BRACKISH	ONCE THROUGH
PITTSBURG	PACIFIC GAS & ELEC CO	CA	14328	271	5	326	Operational	1960	GAS	BRACKISH	ONCE THROUGH
PITTSBURG	PACIFIC GAS & ELEC CO	CA	14328	271	6	326	Operational	1961	GAS	BRACKISH	ONCE THROUGH
PITTSBURG	PACIFIC GAS & ELEC CO	CA	14328	271	2	156	Operational	1954	GAS	BRACKISH	ONCE THROUGH
PITTSBURG	PACIFIC GAS & ELEC CO	CA	14328	271	1	156	Operational	1954	GAS	BRACKISH	ONCE THROUGH
PITTSBURG	PACIFIC GAS & ELEC CO	CA	14328	271	3	156	Operational	1954	GAS	BRACKISH	ONCE THROUGH
POINT BEACH	WISCONSIN ELEC POWER CO	WI	20847	4046	1	524	Operational	1970	UR	FRESH	ONCE THROUGH
POINT BEACH	WISCONSIN ELEC POWER CO	WI	20847	4046	2	524	Operational	1972	UR	FRESH	ONCE THROUGH
PORT ALLEN	CITIZENS UTILITIES (HI)	HI	3611	6474	1	10	Operational	1968	OIL	SALINE	ONCE THROUGH
PORT EVERGLADES	FLORIDA POWER & LIGHT CO	FL	6452	617	1	225	Operational	1960	OIL	SALINE	ONCE THROUGH
PORT EVERGLADES	FLORIDA POWER & LIGHT CO	FL	6452	617	4	402	Operational	1965	OIL	SALINE	ONCE THROUGH
PORT EVERGLADES	FLORIDA POWER & LIGHT CO	FL	6452	617	2	225	Operational	1961	OIL	SALINE	ONCE THROUGH
PORT EVERGLADES	FLORIDA POWER & LIGHT CO	FL	6452	617	3	402	Operational	1964	OIL	SALINE	ONCE THROUGH
PORT JEFFERSON	LONG ISLAND LIGHTING CO	NY	11172	2517	1	46	Operational	1948	OIL	SALINE	ONCE THROUGH

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PORT JEFFERSON	LONG ISLAND LIGHTING CO	NY	11172 2517 2	46	Operational	1950	OIL	SALINE	ONCE THROUGH
PORT JEFFERSON	LONG ISLAND LIGHTING CO	NY	11172 2517 3	188	Operational	1958	OIL	SALINE	ONCE THROUGH
PORT JEFFERSON	LONG ISLAND LIGHTING CO	NY	11172 2517 4	188	Operational	1960	OIL	SALINE	ONCE THROUGH
PORT WASHINGTON	WISCONSIN ELEC POWER CO	WI	20847 4040 1	80	Operational	1935	COAL	FRESH	ONCE THROUGH
PORT WASHINGTON	WISCONSIN ELEC POWER CO	WI	20847 4040 4	80	Operational	1949	COAL	FRESH	ONCE THROUGH
PORT WASHINGTON	WISCONSIN ELEC POWER CO	WI	20847 4040 3	80	Operational	1948	COAL	FRESH	ONCE THROUGH
PORT WASHINGTON	WISCONSIN ELEC POWER CO	WI	20847 4040 2	80	Operational	1943	COAL	FRESH	ONCE THROUGH
PORTLAND (PA)	METROPOLITAN EDISON CO	PA	12390 3113 1	172	Operational	1958	COAL	FRESH	ONCE THROUGH
PORTLAND (PA)	METROPOLITAN EDISON CO	PA	12390 3113 2	255	Operational	1962	COAL	FRESH	ONCE THROUGH
POSSUM POINT	VIRGINIA ELEC & POWER CO	VA	19876 3804 4	239	Operational	1962	COAL	FRESH	ONCE THROUGH
POSSUM POINT	VIRGINIA ELEC & POWER CO	VA	19876 3804 3	114	Operational	1955	COAL	FRESH	ONCE THROUGH
POSSUM POINT	VIRGINIA ELEC & POWER CO	VA	19876 3804 2	69	Standby	1951	OIL	FRESH	ONCE THROUGH
POSSUM POINT	VIRGINIA ELEC & POWER CO	VA	19876 3804 1	69	Standby	1948	OIL	FRESH	ONCE THROUGH
POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	VA	15270 3788 2	92	Operational	1950	COAL	FRESH	ONCE THROUGH

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POTOMAC RIVER	POTOMAC ELECTRIC POWER ^^	VA	15270	3788	3	110	Operational	1954	COAL	FRESH	ONCE THROUGH
POTOMAC RIVER	POTOMAC ELECTRIC POWER ^^	VA	15270	3788	4	110	Operational	1956	COAL	FRESH	ONCE THROUGH
POTOMAC RIVER	POTOMAC ELECTRIC POWER ^^	VA	15270	3788	5	110	Operational	1957	COAL	FRESH	ONCE THROUGH
POTOMAC RIVER	POTOMAC ELECTRIC POWER ^^	VA	15270	3788	1	92	Operational	1949	COAL	FRESH	ONCE THROUGH
POTRERO	PACIFIC GAS & ELEC CO	CA	14328	273	3	218	Operational	1965	GAS	SALINE	ONCE THROUGH
POTTER	BRAINTREE ELEC LIGHT DEPT	MA	2144		1	13	Standby	1959	OIL	BRACKISH	ONCE THROUGH
POWER HOUSE TWO	NEW ORLEANS SEW & WTR BD	LA			1	6	Operational	1928	GAS	MUNICIPAL	ONCE THROUGH
POWER HOUSE TWO	NEW ORLEANS SEW & WTR BD	LA			3	15	Operational	1940	GAS	MUNICIPAL	ONCE THROUGH
PRAIRIE CREEK	IES UTILITIES INC	IA	9162	1073	1	23	Standby	1950	GAS	FRESH	ONCE THROUGH
PRAIRIE CREEK	IES UTILITIES INC	IA	9162	1073	2	23	Standby	1951	GAS	FRESH	ONCE THROUGH
PRAIRIE CREEK	IES UTILITIES INC	IA	9162	1073	3	50	Operational	1958	COAL	FRESH	ONCE THROUGH
PRAIRIE CREEK	IES UTILITIES INC	IA	9162	1073	4	149	Operational	1967	COAL	FRESH	ONCE THROUGH
PRAIRIE ISLAND	NORTHERN STATES POWER CO	MN	13781	1925	1	593	Operational	1973	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
PRAIRIE ISLAND	NORTHERN STATES POWER CO	MN	13781	1925	2	593	Operational	1974	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)

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PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	5	90	Operational	1974	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	8	90	Operational	1978	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	9	90	Operational	1979	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	6	90	Operational	1975	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	3	54.4	Operational	1964	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	2	37.5	Operational	1962	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	1	25	Operational	1955	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	7	90	Operational	1978	COAL	FRESH	ONCE THROUGH
PRESQUE ISLE	WISCONSIN ELEC POWER CO	MI	20847	1769	4	57.8	Operational	1966	COAL	FRESH	ONCE THROUGH
PROVO	PROVO DEPT OF UTILITIES	UT	15444	3686	4	7.5	Operational	1950	GAS	UNKNOWN	ONCE THROUGH
PUEBLO	WESTPLAINS ENERGY	CO	20391	460	6	15	Operational	1949	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
PURDOM	TALLAHASSEE ELEC DEPT	FL	18445	689	5	25	Operational	1958	GAS	FRESH	ONCE THROUGH
PURDOM	TALLAHASSEE ELEC DEPT	FL	18445	689	6	25	Operational	1961	GAS	FRESH	ONCE THROUGH
PURDOM	TALLAHASSEE ELEC DEPT	FL	18445	689	7	50	Operational	1966	GAS	FRESH	ONCE THROUGH

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QUAD CITIES	COMMONWEALTH EDISON CO	IL	4110	880	1	828	Operational	1973	UR	FRESH	ONCE THROUGH
QUAD CITIES	COMMONWEALTH EDISON CO	IL	4110	880	2	828	Operational	1973	UR	FRESH	ONCE THROUGH
QUINDARO THREE	KANSAS CITY BD PUB UTIL	KS	9996	1295	1	81.6	Operational	1966	COAL	FRESH	ONCE THROUGH
QUINDARO THREE	KANSAS CITY BD PUB UTIL	KS	9996	1295	2	158	Operational	1971	COAL	FRESH	ONCE THROUGH
RALPH GARCIA	KEY WEST UTIL BD	FL	10226	6583	1	37	Operational	1972	OIL	GROUND	ONCE THROUGH
RATTS	HOOSIER ENERGY REC	IN	9267	1043	1	117	Operational	1970	COAL	FRESH	ONCE THROUGH
RATTS	HOOSIER ENERGY REC	IN	9267	1043	2	117	Operational	1970	COAL	FRESH	ONCE THROUGH
RAVENSWOOD	CONSOLIDATED EDISON CO	NY	4226	2500	1	400	Operational	1963	GAS	SALINE	ONCE THROUGH
RAVENSWOOD	CONSOLIDATED EDISON CO	NY	4226	2500	2	400	Operational	1963	GAS	SALINE	ONCE THROUGH
RAVENSWOOD	CONSOLIDATED EDISON CO	NY	4226	2500	3	1030	Operational	1965	GAS	SALINE	ONCE THROUGH
RE BURGER	OHIO EDISON CO	OH	13998	2864	3	100	Operational	1950	COAL	FRESH	ONCE THROUGH
RE BURGER	OHIO EDISON CO	OH	13998	2864	4	160	Operational	1955	COAL	FRESH	ONCE THROUGH
RE BURGER	OHIO EDISON CO	OH	13998	2864	5	160	Operational	1955	COAL	FRESH	ONCE THROUGH
RE RITCHIE	ARKANSAS POWER & LIGHT CO	AR	814	173	1	359	Standby	1961	GAS	FRESH	ONCE THROUGH

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RE RITCHIE	ARKANSAS POWER & LIGHT CO	AR	814	173	2	545	Operational	1967	GAS	FRESH	ONCE THROUGH
RED WING	NORTHERN STATES POWER CO	MN	13781	1926	2	11.5	Operational	1949	REFUS	FRESH	ONCE THROUGH
RED WING	NORTHERN STATES POWER CO	MN	13781	1926	1	11.5	Operational	1949	REFUS	FRESH	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	8	495	Operational	1967	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	2	69	Standby	1948	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	3	66	Standby	1949	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	4	69	Standby	1949	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	5	156	Operational	1954	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	6	163	Operational	1957	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	7	495	Operational	1967	GAS	SALINE	ONCE THROUGH
REDONDO BEACH	SOUTHERN CALIF EDISON CO	CA	17609	356	1	66	Standby	1948	GAS	SALINE	ONCE THROUGH
REID	BIG RIVERS ELEC CORP	KY	1692	1383	1	81.6	Operational	1965	COAL	FRESH	ONCE THROUGH
RH GORSUCH	AMERICAN MUNI POWER OHIO	OH	40577	7286	1	100	Operational	1951	COAL	FRESH	ONCE THROUGH
RH GORSUCH	AMERICAN MUNI POWER OHIO	OH	40577	7286	2	100	Operational	1953	COAL	FRESH	ONCE THROUGH



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RIVER ROUGE	DETROIT EDISON CO	MI	5109 1740 1	283	Standby	1956	GAS	FRESH	ONCE THROUGH
RIVER ROUGE	DETROIT EDISON CO	MI	5109 1740 2	293	Operational	1957	COAL	FRESH	ONCE THROUGH
RIVER ROUGE	DETROIT EDISON CO	MI	5109 1740 3	358	Operational	1958	COAL	FRESH	ONCE THROUGH
RIVER STREET	MENASHA ELEC & WATER UTIL	WI	12298 4127 3	8	Standby	1956	COAL	FRESH	ONCE THROUGH
RIVER STREET	MENASHA ELEC & WATER UTIL	WI	12298 4127 4	14	Operational	1964	COAL	FRESH	ONCE THROUGH
RIVERBEND (NC)	DUKE POWER CO	NC	5416 2732 4	100	Standby	1952	COAL	FRESH	ONCE THROUGH
RIVERBEND (NC)	DUKE POWER CO	NC	5416 2732 7	133	Standby	1954	COAL	FRESH	ONCE THROUGH
RIVERBEND (NC)	DUKE POWER CO	NC	5416 2732 6	133	Standby	1954	COAL	FRESH	ONCE THROUGH
RIVERBEND (NC)	DUKE POWER CO	NC	5416 2732 5	100	Operational	1952	COAL	FRESH	ONCE THROUGH
RIVERSIDE (GA)	SAVANNAH ELEC & POWER CO	GA	16687 734 4	15	Operational	1926	GAS	BRACKISH	ONCE THROUGH
RIVERSIDE (GA)	SAVANNAH ELEC & POWER CO	GA	16687 734 5	7.5	Operational	1936	GAS	BRACKISH	ONCE THROUGH
RIVERSIDE (GA)	SAVANNAH ELEC & POWER CO	GA	16687 734 6	24.8	Standby	1949	GAS	BRACKISH	ONCE THROUGH
RIVERSIDE (GA)	SAVANNAH ELEC & POWER CO	GA	16687 734 7	21.3	Standby	1954	GAS	BRACKISH	ONCE THROUGH
RIVERSIDE (GA)	SAVANNAH ELEC & POWER CO	GA	16687 734 8	37.5	Standby	1956	GAS	BRACKISH	ONCE THROUGH

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RIVERSIDE (IA)	IOWA-ILLINOIS GAS & ELEC	IA	9438	1081	5	136	Operational	1961	COAL	FRESH	ONCE THROUGH
RIVERSIDE (MD)	BALTIMORE GAS & ELEC CO	MD	1167	1559	4	72.3	Operational	1951	GAS	BRACKISH	ONCE THROUGH
RIVERSIDE (MN)	NORTHERN STATES POWER CO	MN	13781	1927	8	239	Operational	1964	COAL	FRESH	ONCE THROUGH
RIVERSIDE (MN)	NORTHERN STATES POWER CO	MN	13781	1927	7	137	Operational	1987	COAL	FRESH	ONCE THROUGH
RIVERTON	EMPIRE DISTRICT ELEC CO	KS	5860	1239	7	37.5	Operational	1950	COAL	FRESH	ONCE THROUGH
RIVERTON	EMPIRE DISTRICT ELEC CO	KS	5860	1239	8	50	Operational	1954	COAL	FRESH	ONCE THROUGH
RIVESVILLE	MONONGAHELA POWER CO	WV	12796	3945	6	74.8	Operational	1951	COAL	FRESH	ONCE THROUGH
RIVESVILLE	MONONGAHELA POWER CO	WV	12796	3945	5	35	Operational	1944	COAL	FRESH	ONCE THROUGH
RIVIERA	FLORIDA POWER & LIGHT CO	FL	6452	619	4	310	Operational	1963	OIL	SALINE	ONCE THROUGH
RIVIERA	FLORIDA POWER & LIGHT CO	FL	6452	619	3	310	Operational	1962	OIL	SALINE	ONCE THROUGH
ROCK RIVER	WISCONSIN POWER & LIGHT	WI	20856	4057	1	75	Operational	1954	COAL	FRESH	ONCE THROUGH
ROCK RIVER	WISCONSIN POWER & LIGHT	WI	20856	4057	2	75	Operational	1955	COAL	FRESH	ONCE THROUGH
ROSETON	CENTRAL HUDSON GAS & ELEC	NY	3249	8006	2	621	Operational	1974	OIL	BRACKISH	ONCE THROUGH
ROSETON	CENTRAL HUDSON GAS & ELEC	NY	3249	8006	1	621	Operational	1974	OIL	BRACKISH	ONCE THROUGH

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ROXBORO	CAROLINA POWER & LIGHT CO	NC	3046	2712	3	745	Operational	1973	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
ROXBORO	CAROLINA POWER & LIGHT CO	NC	3046	2712	2	657	Operational	1968	COAL	FRESH	ONCE THROUGH
ROXBORO	CAROLINA POWER & LIGHT CO	NC	3046	2712	1	411	Operational	1966	COAL	FRESH	ONCE THROUGH
RP SMITH	POTOMAC EDISON CO	MD	15263	1570	3	34.5	Operational	1947	COAL	FRESH	ONCE THROUGH
RP SMITH	POTOMAC EDISON CO	MD	15263	1570	4	75	Operational	1957	COAL	FRESH	ONCE THROUGH
RUSH ISLAND	UNION ELECTRIC CO	MO	19436	6155	1	621	Operational	1976	COAL	FRESH	ONCE THROUGH
RUSH ISLAND	UNION ELECTRIC CO	MO	19436	6155	2	621	Operational	1977	COAL	FRESH	ONCE THROUGH
RUSSELL (NY)	ROCHESTER GAS & ELEC CORP	NY	16183	2642	1	46	Operational	1949	COAL	FRESH	ONCE THROUGH
RUSSELL (NY)	ROCHESTER GAS & ELEC CORP	NY	16183	2642	2	62.5	Operational	1951	COAL	FRESH	ONCE THROUGH
RUSSELL (NY)	ROCHESTER GAS & ELEC CORP	NY	16183	2642	3	62.5	Operational	1953	COAL	FRESH	ONCE THROUGH
RUSSELL (NY)	ROCHESTER GAS & ELEC CORP	NY	16183	2642	4	81.6	Operational	1957	COAL	FRESH	ONCE THROUGH
RW MILLER	BRAZOS ELEC POWER COOP	TX	2172	3628	2	100	Operational	1972	GAS	FRESH	ONCE THROUGH
RW MILLER	BRAZOS ELEC POWER COOP	TX	2172	3628	3	200	Operational	1975	GAS	FRESH	ONCE THROUGH
RW MILLER	BRAZOS ELEC POWER COOP	TX	2172	3628	1	66	Operational	1968	GAS	FRESH	ONCE THROUGH

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SABINE	GULF STATES UTILITIES	TX	7806 3459 1	239	Operational	1962	GAS	BRACKISH	ONCE THROUGH
SABINE	GULF STATES UTILITIES	TX	7806 3459 2	239	Operational	1962	GAS	BRACKISH	ONCE THROUGH
SABINE	GULF STATES UTILITIES	TX	7806 3459 3	473	Operational	1966	GAS	BRACKISH	ONCE THROUGH
SABINE	GULF STATES UTILITIES	TX	7806 3459 4	592	Operational	1974	GAS	BRACKISH	ONCE THROUGH
SAINT CROIX	VIRGIN ISLANDS WTR & PWR	VI	19879 1	15	Operational	1966	OIL	SALINE	ONCE THROUGH
SAINT CROIX	VIRGIN ISLANDS WTR & PWR	VI	19879 2	15	Operational	1966	OIL	SALINE	ONCE THROUGH
SAINT THOMAS A	VIRGIN ISLANDS WTR & PWR	VI	19879 1	62	Operational	1975	OIL	SALINE	ONCE THROUGH
SALEM (NJ)	PUBLIC SERVICE ELEC & GAS	NJ	15477 2410 1	1170	Operational	1977	UR	BRACKISH	ONCE THROUGH
SALEM (NJ)	PUBLIC SERVICE ELEC & GAS	NJ	15477 2410 2	1170	Operational	1981	UR	BRACKISH	ONCE THROUGH
SALEM HARBOR	NEW ENGLAND POWER CO	MA	13433 1626 1	81.9	Operational	1952	COAL	SALINE	ONCE THROUGH
SALEM HARBOR	NEW ENGLAND POWER CO	MA	13433 1626 4	476	Operational	1972	OIL	SALINE	ONCE THROUGH
SALEM HARBOR	NEW ENGLAND POWER CO	MA	13433 1626 3	166	Operational	1958	COAL	SALINE	ONCE THROUGH
SALEM HARBOR	NEW ENGLAND POWER CO	MA	13433 1626 2	82	Operational	1952	COAL	SALINE	ONCE THROUGH
SAM BERTRON	HOUSTON LIGHTING & POWER	TX	8901 3468 1	188	Operational	1958	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)

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SAM BERTRON	HOUSTON LIGHTING & POWER	TX	8901 3468 2	188	Operational	1956	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SAM BERTRON	HOUSTON LIGHTING & POWER	TX	8901 3468 3	225	Operational	1959	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SAM BERTRON	HOUSTON LIGHTING & POWER	TX	8901 3468 4	225	Operational	1960	GAS	BRACKISH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SAM RAYBURN	SOUTH TEXAS ELEC COOP	TX	17583 3631 3	22	Operational	1965	GAS	FRESH	COMBINATION (ONCE THROUGH/SPRAY POND)
SAN ANGELO SC	WEST TEXAS UTIL CO	TX	20404 3527 2	101	Operational	1966	GAS	FRESH	ONCE THROUGH
SAN JUAN (PR)	PUERTO RICO ELEC PWR AUTH	PR	15497 5	44	Operational	1956	OIL	SALINE	ONCE THROUGH
SAN JUAN (PR)	PUERTO RICO ELEC PWR AUTH	PR	15497 9	114	Operational	1968	OIL	SALINE	ONCE THROUGH
SAN JUAN (PR)	PUERTO RICO ELEC PWR AUTH	PR	15497 8	114	Operational	1966	OIL	SALINE	ONCE THROUGH
SAN JUAN (PR)	PUERTO RICO ELEC PWR AUTH	PR	15497 7	114	Operational	1966	OIL	SALINE	ONCE THROUGH
SAN JUAN (PR)	PUERTO RICO ELEC PWR AUTH	PR	15497 10	114	Operational	1969	OIL	SALINE	ONCE THROUGH
SAN JUAN (PR)	PUERTO RICO ELEC PWR AUTH	PR	15497 6	44	Operational	1957	OIL	SALINE	ONCE THROUGH
SAN ONOFRE	SOUTHERN CALIF EDISON CO	CA	17609 360 2	1127	Operational	1983	UR	SALINE	ONCE THROUGH
SAN ONOFRE	SOUTHERN CALIF EDISON CO	CA	17609 360 3	1127	Operational	1984	UR	SALINE	ONCE THROUGH
SANFORD (FL)	FLORIDA POWER & LIGHT CO	FL	6452 620 3	156	Operational	1959	OIL	FRESH	ONCE THROUGH

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SAYREVILLE	JERSEY CENT POWER & LIGHT	NJ	9726	2390	4	123	Operational	1955	GAS	BRACKISH	ONCE THROUGH
SAYREVILLE	JERSEY CENT POWER & LIGHT	NJ	9726	2390	5	125	Operational	1958	GAS	BRACKISH	ONCE THROUGH
SCATTERGOO D	LOS ANGELES DEPT WTR PWR	CA	11208	404	1	163	Operational	1958	GAS	SALINE	ONCE THROUGH
SCATTERGOO D	LOS ANGELES DEPT WTR PWR	CA	11208	404	2	163	Operational	1959	GAS	SALINE	ONCE THROUGH
SCATTERGOO D	LOS ANGELES DEPT WTR PWR	CA	11208	404	3	497	Operational	1974	GAS	SALINE	ONCE THROUGH
SCHILLER	PUBLIC SERV NEW HAMPSHIRE	NH	15472	2367	4	50	Operational	1952	COAL	BRACKISH	ONCE THROUGH
SCHILLER	PUBLIC SERV NEW HAMPSHIRE	NH	15472	2367	5	50	Operational	1955	COAL	BRACKISH	ONCE THROUGH
SCHILLER	PUBLIC SERV NEW HAMPSHIRE	NH	15472	2367	6	50	Operational	1957	COAL	BRACKISH	ONCE THROUGH
SCHOLZ	GULF POWER CO	FL	7801	642	1	49	Operational	1953	COAL	FRESH	ONCE THROUGH
SCHOLZ	GULF POWER CO	FL	7801	642	2	49	Operational	1953	COAL	FRESH	ONCE THROUGH
SCHUYLER	SCHUYLER DEPT UTILITIES	NE	16778		1	5	Standby	1958	OIL	MUNICIPAL	ONCE THROUGH
SCHUYLER	SCHUYLER DEPT UTILITIES	NE	16778		2	2.5	Standby	1955	OIL	MUNICIPAL	ONCE THROUGH
SCHUYLKILL	PECO ENERGY CO	PA	14940	3169	1	190	Operational	1958	OIL	FRESH	ONCE THROUGH
SEABROOK	NORTH ATLANTIC ENERGY	NH	13714	6115	1	1197	Operational	1990	UR	SALINE	ONCE THROUGH

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SEBRING	TAMPA ELECTRIC CO	FL	18454	747	1	12.7	Operational	1966	GAS	FRESH	ONCE THROUGH
SEQUOYAH	TENNESSEE VALLEY AUTH	TN	18642	6152	2	1221	Operational	1982	UR	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SEQUOYAH	TENNESSEE VALLEY AUTH	TN	18642	6152	1	1221	Operational	1981	UR	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SEWARD	PENNSYLVANIA ELEC CO	PA	14711	3130	4	62	Operational	1950	COAL	FRESH	ONCE THROUGH
SEWARD	PENNSYLVANIA ELEC CO	PA	14711	3130	5	156	Operational	1957	COAL	FRESH	ONCE THROUGH
SEWAREN	PUBLIC SERVICE ELEC & GAS	NJ	15477	2411	1	111	Operational	1948	GAS	SALINE	ONCE THROUGH
SEWAREN	PUBLIC SERVICE ELEC & GAS	NJ	15477	2411	2	108	Operational	1948	GAS	SALINE	ONCE THROUGH
SEWAREN	PUBLIC SERVICE ELEC & GAS	NJ	15477	2411	3	116	Operational	1949	GAS	SALINE	ONCE THROUGH
SEWAREN	PUBLIC SERVICE ELEC & GAS	NJ	15477	2411	4	127	Operational	1951	GAS	SALINE	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642	1379	9	175	Operational	1955	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642	1379	10	175	Operational	1956	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642	1379	8	175	Operational	1955	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642	1379	7	175	Operational	1954	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642	1379	6	175	Operational	1954	COAL	FRESH	ONCE THROUGH

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SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642 1379 4	175	Operational	1954	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642 1379 3	175	Operational	1953	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642 1379 2	175	Operational	1953	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642 1379 1	175	Operational	1953	COAL	FRESH	ONCE THROUGH
SHAWNEE (KY)	TENNESSEE VALLEY AUTH	KY	18642 1379 5	175	Operational	1954	COAL	FRESH	ONCE THROUGH
SHAWVILLE	PENNSYLVANIA ELEC CO	PA	14711 3131 1	125	Operational	1954	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SHAWVILLE	PENNSYLVANIA ELEC CO	PA	14711 3131 2	125	Operational	1954	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SHAWVILLE	PENNSYLVANIA ELEC CO	PA	14711 3131 3	188	Operational	1959	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SHAWVILLE	PENNSYLVANIA ELEC CO	PA	14711 3131 4	188	Operational	1960	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SHIPMAN	HAWAII ELEC LIGHT CO	HI	8287 6478 1	3.5	Operational	1943	OIL	GROUND	ONCE THROUGH
SHIPMAN	HAWAII ELEC LIGHT CO	HI	8287 6478 3	7.5	Operational	1955	OIL	GROUND	ONCE THROUGH
SHIPMAN	HAWAII ELEC LIGHT CO	HI	8287 6478 4	7.5	Operational	1958	OIL	GROUND	ONCE THROUGH
SHIRAS	MARQUETTE BD LT & POWER	MI	11701 1843 1	12.5	Operational	1967	COAL	FRESH	ONCE THROUGH
SHIRAS	MARQUETTE BD LT & POWER	MI	11701 1843 2	21	Operational	1972	COAL	FRESH	ONCE THROUGH



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SHIRAS	MARQUETTE BD LT & POWER	MI	11701	1843	3	43.7	Operational	1983	COAL	FRESH	ONCE THROUGH
SHUFFLETON	PUGET SOUND POWER & LIGHT	WA			2	43.8	Standby	1930	OIL	FRESH	ONCE THROUGH
SIBLEY (MO)	UTILICORP UNITED INC	MO	12698	2094	1	55	Operational	1960	COAL	FRESH	ONCE THROUGH
SIBLEY (MO)	UTILICORP UNITED INC	MO	12698	2094	2	50	Operational	1962	COAL	FRESH	ONCE THROUGH
SIBLEY (MO)	UTILICORP UNITED INC	MO	12698	2094	3	419	Operational	1969	COAL	FRESH	ONCE THROUGH
SILVER LAKE (MN)	ROCHESTER (MN) PUB UTIL	MN	16181	2008	1	8	Standby	1948	COAL	FRESH	ONCE THROUGH
SILVER LAKE (MN)	ROCHESTER (MN) PUB UTIL	MN	16181	2008	4	54	Operational	1969	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SILVER LAKE (MN)	ROCHESTER (MN) PUB UTIL	MN	16181	2008	2	12	Standby	1953	GAS	FRESH	ONCE THROUGH
SILVER LAKE (MN)	ROCHESTER (MN) PUB UTIL	MN	16181	2008	3	25	Operational	1962	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
SIoux	UNION ELECTRIC CO	MO	19436	2107	1	550	Operational	1967	COAL	FRESH	ONCE THROUGH
SIoux	UNION ELECTRIC CO	MO	19436	2107	2	550	Operational	1968	COAL	FRESH	ONCE THROUGH
SOMERSET (MA)	MONTAUP ELECTRIC CO	MA	12833	1613	6	100	Operational	1959	COAL	BRACKISH	ONCE THROUGH
SOUTH BAY	SAN DIEGO GAS & ELEC CO	CA	16609	310	1	136	Operational	1960	GAS	SALINE	ONCE THROUGH
SOUTH BAY	SAN DIEGO GAS & ELEC CO	CA	16609	310	2	136	Operational	1962	GAS	SALINE	ONCE THROUGH

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SOUTH BAY	SAN DIEGO GAS & ELEC CO	CA	16609	310	3	202	Operational	1964	GAS	SALINE	ONCE THROUGH
SOUTH BAY	SAN DIEGO GAS & ELEC CO	CA	16609	310	4	240	Operational	1971	GAS	SALINE	ONCE THROUGH
SOUTHSIDE	JACKSONVILLE ELEC AUTH	FL	9617	668	5	157	Operational	1964	OIL	BRACKISH	ONCE THROUGH
SOUTHSIDE	JACKSONVILLE ELEC AUTH	FL	9617	668	4	75	Operational	1958	GAS	BRACKISH	ONCE THROUGH
SOUTHSIDE	JACKSONVILLE ELEC AUTH	FL	9617	668	3	50	Standby	1955	OIL	BRACKISH	ONCE THROUGH
SPRINGDALE	WEST PENN POWER CO	PA	20387	3182	8	141	Standby	1954	OIL	FRESH	ONCE THROUGH
SPRINGDALE	WEST PENN POWER CO	PA	20387	3182	7	74.8	Standby	1945	OIL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	4	169	Operational	1954	COAL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	7	545	Operational	1969	COAL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	5	358	Standby	1959	OIL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	2	156	Operational	1953	COAL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	1	169	Operational	1953	COAL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	6	353	Operational	1961	COAL	FRESH	ONCE THROUGH
ST CLAIR	DETROIT EDISON CO	MI	5109	1743	3	156	Operational	1954	COAL	FRESH	ONCE THROUGH

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ST LUCIE	FLORIDA POWER & LIGHT CO	FL	6452 6045	1	850	Operational	1976	UR	SALINE	ONCE THROUGH
ST LUCIE	FLORIDA POWER & LIGHT CO	FL	6452 6045	2	850	Operational	1983	UR	SALINE	ONCE THROUGH
ST MARYS (OH)	ST MARYS MUN LT & POWER	OH	17891 2942	4	2.5	Standby	1946	COAL	FRESH	ONCE THROUGH
ST MARYS (OH)	ST MARYS MUN LT & POWER	OH	17891 2942	5	6	Standby	1957	COAL	FRESH	ONCE THROUGH
ST MARYS (OH)	ST MARYS MUN LT & POWER	OH	17891 2942	6	10	Operational	1967	COAL	FRESH	ONCE THROUGH
STANTON (ND)	UNITED POWER ASSOCIATION	ND	19514 2824	1	172	Operational	1967	COAL	FRESH	ONCE THROUGH
STANTON (ND)	UNITED POWER ASSOCIATION	ND	19514 2824	10	60	Operational	1982	COAL	FRESH	ONCE THROUGH
STATE LINE	COMMONWEALTH EDISON (IN)	IN	4111 981	3	225	Operational	1955	COAL	FRESH	ONCE THROUGH
STATE LINE	COMMONWEALTH EDISON (IN)	IN	4111 981	4	389	Operational	1962	COAL	FRESH	ONCE THROUGH
STERLINGTON	LOUISIANA POWER & LIGHT	LA	11241 1404	6	225	Standby	1958	GAS	FRESH	ONCE THROUGH
STREETER	CEDAR FALLS UTILITIES	IA	3203 1131	6	16.5	Operational	1963	COAL	GROUND	ONCE THROUGH
SUNBURY	PENNSYLVANIA POWER & LT	PA	14715 3152	1	75	Operational	1949	COAL	FRESH	ONCE THROUGH
SUNBURY	PENNSYLVANIA POWER & LT	PA	14715 3152	2	75	Operational	1949	COAL	FRESH	ONCE THROUGH
SUNBURY	PENNSYLVANIA POWER & LT	PA	14715 3152	3	104	Operational	1951	COAL	FRESH	ONCE THROUGH

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SUNBURY	PENNSYLVANIA POWER & LT	PA	14715	3152	4	156	Operational	1953	COAL	FRESH	ONCE THROUGH
SURRY	VIRGINIA ELEC & POWER CO	VA	19876	3806	1	848	Operational	1972	UR	BRACKISH	ONCE THROUGH
SURRY	VIRGINIA ELEC & POWER CO	VA	19876	3806	2	848	Operational	1973	UR	BRACKISH	ONCE THROUGH
SUWANNEE RIVER	FLORIDA POWER CORP	FL	6455	638	3	75	Operational	1956	OIL	FRESH	ONCE THROUGH
SUWANNEE RIVER	FLORIDA POWER CORP	FL	6455	638	1	34.5	Operational	1953	OIL	FRESH	ONCE THROUGH
SUWANNEE RIVER	FLORIDA POWER CORP	FL	6455	638	2	37.5	Operational	1954	OIL	FRESH	ONCE THROUGH
SYL LASKIN	MINNESOTA POWER & LIGHT	MN	12647	1891	1	58.1	Operational	1953	COAL	FRESH	ONCE THROUGH
SYL LASKIN	MINNESOTA POWER & LIGHT	MN	12647	1891	2	58	Operational	1953	COAL	FRESH	ONCE THROUGH
TANGUISSON	GUAM POWER AUTHORITY	GU	40428		1	26.5	Operational	1971	OIL	SALINE	ONCE THROUGH
TANGUISSON	GUAM POWER AUTHORITY	GU	40428		2	26.5	Operational	1972	OIL	SALINE	ONCE THROUGH
TANNERS CREEK	INDIANA MICHIGAN POWER CO	IN	9249	988	1	153	Operational	1951	COAL	FRESH	ONCE THROUGH
TANNERS CREEK	INDIANA MICHIGAN POWER CO	IN	9249	988	2	153	Operational	1952	COAL	FRESH	ONCE THROUGH
TANNERS CREEK	INDIANA MICHIGAN POWER CO	IN	9249	988	3	215	Operational	1954	COAL	FRESH	ONCE THROUGH
TANNERS CREEK	INDIANA MICHIGAN POWER CO	IN	9249	988	4	580	Operational	1964	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
TECHE	CENTRAL LOUISIANA ELEC CO	LA	3265 1400 3	349	Operational	1971	GAS	BRACKISH	ONCE THROUGH
TECHE	CENTRAL LOUISIANA ELEC CO	LA	3265 1400 2	54.4	Standby	1956	GAS	BRACKISH	ONCE THROUGH
TECHE	CENTRAL LOUISIANA ELEC CO	LA	3265 1400 1	25	Standby	1953	GAS	BRACKISH	ONCE THROUGH
TH ALLEN	TENNESSEE VALLEY AUTH	TN	18642 3393 3	330	Operational	1959	COAL	FRESH	ONCE THROUGH
TH ALLEN	TENNESSEE VALLEY AUTH	TN	18642 3393 1	330	Operational	1958	COAL	FRESH	ONCE THROUGH
TH ALLEN	TENNESSEE VALLEY AUTH	TN	18642 3393 2	330	Operational	1959	COAL	FRESH	ONCE THROUGH
THIRD STREET	CLARKSDALE PUB UTIL COMM	MS	3702 2059 5	7.5	Standby	1952	GAS	GROUND	ONCE THROUGH
THIRD STREET	CLARKSDALE PUB UTIL COMM	MS	3702 2059 4	3.5	Standby	1947	GAS	GROUND	ONCE THROUGH
TRENTON CHANNEL	DETROIT EDISON CO	MI	5109 1745 8	120	Operational	1950	COAL	FRESH	ONCE THROUGH
TRENTON CHANNEL	DETROIT EDISON CO	MI	5109 1745 9	536	Operational	1968	COAL	FRESH	ONCE THROUGH
TRENTON CHANNEL	DETROIT EDISON CO	MI	5109 1745 7	120	Operational	1949	COAL	FRESH	ONCE THROUGH
TYRONE (KY)	KENTUCKY UTILITIES CO	KY	10171 1361 3	75	Operational	1953	COAL	FRESH	ONCE THROUGH
TYRONE (KY)	KENTUCKY UTILITIES CO	KY	10171 1361 1	31.3	Standby	1947	OIL	FRESH	ONCE THROUGH
TYRONE (KY)	KENTUCKY UTILITIES CO	KY	10171 1361 2	31.3	Standby	1948	OIL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
URQUHART	SOUTH CAROLINA ELEC & GAS	SC	17539 3295 3	100	Operational	1955	COAL	FRESH	ONCE THROUGH
URQUHART	SOUTH CAROLINA ELEC & GAS	SC	17539 3295 1	75	Operational	1953	COAL	FRESH	ONCE THROUGH
URQUHART	SOUTH CAROLINA ELEC & GAS	SC	17539 3295 2	75	Operational	1954	COAL	FRESH	ONCE THROUGH
VALLEY (WI)	WISCONSIN ELEC POWER CO	WI	20847 4042 2	136	Operational	1969	COAL	FRESH	ONCE THROUGH
VALLEY (WI)	WISCONSIN ELEC POWER CO	WI	20847 4042 1	136	Operational	1968	COAL	FRESH	ONCE THROUGH
VENICE (IL) TWO	UNION ELECTRIC CO	IL	19436 913 5	98	Standby	1950	GAS	FRESH	ONCE THROUGH
VENICE (IL) TWO	UNION ELECTRIC CO	IL	19436 913 6	100	Standby	1950	GAS	FRESH	ONCE THROUGH
VENICE (IL) TWO	UNION ELECTRIC CO	IL	19436 913 4	98	Standby	1948	GAS	FRESH	ONCE THROUGH
VENICE (IL) TWO	UNION ELECTRIC CO	IL	19436 913 3	98	Standby	1943	GAS	FRESH	ONCE THROUGH
VENICE (IL) TWO	UNION ELECTRIC CO	IL	19436 913 2	40	Standby	1942	GAS	FRESH	ONCE THROUGH
VENICE (IL) TWO	UNION ELECTRIC CO	IL	19436 913 1	40	Standby	1942	GAS	FRESH	ONCE THROUGH
VERMONT YANKEE	VERMONT YANKEE NUC POWER	VT	19796 3751 1	540	Operational	1972	UR	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
VERO BEACH	VERO BEACH MUNICIPAL UTIL	FL	19804 693 1	12.5	Standby	1961	GAS	BRACKISH	ONCE THROUGH
VERO BEACH	VERO BEACH MUNICIPAL UTIL	FL	19804 693 2	16.5	Standby	1964	GAS	BRACKISH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
VERO BEACH	VERO BEACH MUNICIPAL UTIL	FL	19804	693	3	33	Standby	1971	GAS	BRACKISH	ONCE THROUGH
VICTORIA (TX)	CENTRAL POWER & LIGHT CO	TX	3278	3443	4	75	Standby	1955	GAS	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
VICTORIA (TX)	CENTRAL POWER & LIGHT CO	TX	3278	3443	5	180	Standby	1963	GAS	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
VIRGINIA	VIRGINIA PUB UTIL COMM	MN	19883	2018	5	7.5	Operational	1954	COAL	FRESH	ONCE THROUGH
VIRGINIA	VIRGINIA PUB UTIL COMM	MN	19883	2018	6	18.5	Operational	1971	COAL	FRESH	ONCE THROUGH
WABASH RIVER	PSI ENERGY INC	IN	15470	1010	6	387	Operational	1968	COAL	FRESH	ONCE THROUGH
WABASH RIVER	PSI ENERGY INC	IN	15470	1010	5	125	Operational	1956	COAL	FRESH	ONCE THROUGH
WABASH RIVER	PSI ENERGY INC	IN	15470	1010	4	113	Standby	1955	COAL	FRESH	ONCE THROUGH
WABASH RIVER	PSI ENERGY INC	IN	15470	1010	3	123	Operational	1954	COAL	FRESH	ONCE THROUGH
WABASH RIVER	PSI ENERGY INC	IN	15470	1010	1	113	Operational	1953	COAL	FRESH	ONCE THROUGH
WABASH RIVER	PSI ENERGY INC	IN	15470	1010	2	113	Operational	1953	COAL	FRESH	ONCE THROUGH
WAIAU	HAWAIIAN ELECTRIC CO	HI	19547	766	6	54.4	Operational	1961	OIL	SALINE	ONCE THROUGH
WAIAU	HAWAIIAN ELECTRIC CO	HI	19547	766	7	81.6	Operational	1966	OIL	SALINE	ONCE THROUGH
WAIAU	HAWAIIAN ELECTRIC CO	HI	19547	766	8	81.6	Operational	1968	OIL	SALINE	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
WAIAU	HAWAIIAN ELECTRIC CO	HI	19547 766 3	50	Operational	1947	OIL	SALINE	ONCE THROUGH
WAIAU	HAWAIIAN ELECTRIC CO	HI	19547 766 4	50	Standby	1950	OIL	SALINE	ONCE THROUGH
WAIAU	HAWAIIAN ELECTRIC CO	HI	19547 766 5	54.4	Operational	1959	OIL	SALINE	ONCE THROUGH
WARREN (PA)	PENNSYLVANIA ELEC CO	PA	14711 3132 1	42.3	Operational	1948	COAL	FRESH	ONCE THROUGH
WARREN (PA)	PENNSYLVANIA ELEC CO	PA	14711 3132 2	42.3	Operational	1949	COAL	FRESH	ONCE THROUGH
WARRICK	SOUTHERN INDIANA GAS ELEC	IN	17633 6705 4	323	Operational	1970	COAL	FRESH	ONCE THROUGH
WATEREE (SC)	SOUTH CAROLINA ELEC & GAS	SC	17539 3297 1	386	Operational	1970	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
WATEREE (SC)	SOUTH CAROLINA ELEC & GAS	SC	17539 3297 2	386	Operational	1971	COAL	FRESH	MIXED MODE (ONCE THROUGH/COOLING TOWER)
WATERFORD	LOUISIANA POWER & LIGHT	LA	11241 8056 1	446	Operational	1975	GAS	FRESH	ONCE THROUGH
WATERFORD	LOUISIANA POWER & LIGHT	LA	11241 8056 2	446	Operational	1975	GAS	FRESH	ONCE THROUGH
WATERFORD	LOUISIANA POWER & LIGHT	LA	11241 8056 3	1200	Operational	1985	UR	FRESH	ONCE THROUGH
WATTS BAR COAL	TENNESSEE VALLEY AUTH	TN	18642 3419 1	60	Standby	1942	COAL	FRESH	ONCE THROUGH
WATTS BAR COAL	TENNESSEE VALLEY AUTH	TN	18642 3419 2	60	Standby	1942	COAL	FRESH	ONCE THROUGH
WATTS BAR COAL	TENNESSEE VALLEY AUTH	TN	18642 3419 3	60	Standby	1943	COAL	FRESH	ONCE THROUGH



<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
WATTS BAR COAL	TENNESSEE VALLEY AUTH	TN	18642	3419	4	60	Standby	1945	COAL	FRESH	ONCE THROUGH
WAUKEGAN	COMMONWEALTH EDISON CO	IL	4110	883	6	121	Operational	1952	COAL	FRESH	ONCE THROUGH
WAUKEGAN	COMMONWEALTH EDISON CO	IL	4110	883	7	326	Operational	1958	COAL	FRESH	ONCE THROUGH
WAUKEGAN	COMMONWEALTH EDISON CO	IL	4110	883	8	355	Operational	1962	COAL	FRESH	ONCE THROUGH
WC BECKJORD	CINCINNATI GAS & ELEC CO	OH	3542	2830	4	163	Operational	1958	COAL	FRESH	ONCE THROUGH
WC BECKJORD	CINCINNATI GAS & ELEC CO	OH	3542	2830	5	245	Operational	1962	COAL	FRESH	ONCE THROUGH
WC BECKJORD	CINCINNATI GAS & ELEC CO	OH	3542	2830	1	115	Operational	1952	COAL	FRESH	ONCE THROUGH
WC BECKJORD	CINCINNATI GAS & ELEC CO	OH	3542	2830	2	113	Operational	1953	COAL	FRESH	ONCE THROUGH
WC BECKJORD	CINCINNATI GAS & ELEC CO	OH	3542	2830	6	461	Operational	1969	COAL	FRESH	ONCE THROUGH
WC BECKJORD	CINCINNATI GAS & ELEC CO	OH	3542	2830	3	125	Operational	1954	COAL	FRESH	ONCE THROUGH
WEBSTER (TX)	HOUSTON LIGHTING & POWER	TX	8901	3471	3	410	Operational	1965	GAS	BRACKISH	ONCE THROUGH
WERNER	JERSEY CENT POWER & LIGHT	NJ	9726	2385	4	60	Operational	1953	OIL	BRACKISH	ONCE THROUGH
WEST SPRINGFIELD	WESTERN MASS ELEC CO	MA	20455	1642	3	114	Operational	1957	GAS	FRESH	ONCE THROUGH
WESTON (WI)	WISCONSIN PUBLIC SERVICE	WI	20860	4078	1	60	Operational	1954	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>	
WESTON (WI)	WISCONSIN PUBLIC SERVICE	WI	20860 4078	2	75	Operational	1960	COAL	FRESH	ONCE THROUGH
WH HILL	HAWAII ELEC LIGHT CO	HI	8287 772	5	14.1	Operational	1965	OIL	GROUND	ONCE THROUGH
WH HILL	HAWAII ELEC LIGHT CO	HI	8287 772	6	23	Operational	1974	OIL	GROUND	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	6	623	Operational	1969	COAL	FRESH	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	7	623	Operational	1971	COAL	FRESH	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	5	318	Operational	1967	COAL	FRESH	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	4	185	Operational	1962	COAL	FRESH	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	3	185	Operational	1961	COAL	FRESH	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	2	185	Operational	1960	COAL	FRESH	ONCE THROUGH
WH SAMMIS	OHIO EDISON CO	OH	13998 2866	1	185	Operational	1959	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642 50	5	141	Operational	1954	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642 50	8	550	Operational	1965	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642 50	7	575	Operational	1961	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642 50	6	141	Operational	1954	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642	50	3	141	Operational	1952	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642	50	2	141	Operational	1952	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642	50	1	141	Operational	1952	COAL	FRESH	ONCE THROUGH
WIDOWS CREEK	TENNESSEE VALLEY AUTH	AL	18642	50	4	141	Operational	1953	COAL	FRESH	ONCE THROUGH
WILL COUNTY	COMMONWEALTH EDISON CO	IL	4110	884	3	299	Operational	1957	COAL	FRESH	ONCE THROUGH
WILL COUNTY	COMMONWEALTH EDISON CO	IL	4110	884	4	598	Operational	1963	COAL	FRESH	ONCE THROUGH
WILL COUNTY	COMMONWEALTH EDISON CO	IL	4110	884	2	184	Operational	1955	COAL	FRESH	ONCE THROUGH
WILL COUNTY	COMMONWEALTH EDISON CO	IL	4110	884	1	188	Operational	1955	COAL	FRESH	ONCE THROUGH
WILLAMETTE	EUGENE WATER & ELEC BD	OR	6022		2	7.5	Standby	1941	WOOD	FRESH	ONCE THROUGH
WILLAMETTE	EUGENE WATER & ELEC BD	OR	6022		3	11.5	Operational	1950	WOOD	FRESH	ONCE THROUGH
WILLAMETTE	EUGENE WATER & ELEC BD	OR	6022		1	6	Standby	1931	WOOD	FRESH	ONCE THROUGH
WILLOW GLEN	GULF STATES UTILITIES	LA	7806	1394	1	163	Operational	1960	GAS	FRESH	ONCE THROUGH
WILLOW GLEN	GULF STATES UTILITIES	LA	7806	1394	5	592	Operational	1976	GAS	FRESH	ONCE THROUGH
WILLOW GLEN	GULF STATES UTILITIES	LA	7806	1394	4	592	Operational	1973	GAS	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>
WILLOW GLEN	GULF STATES UTILITIES	LA	7806 1394 2	239	Operational	1964	GAS	FRESH	ONCE THROUGH
WILLOW GLEN	GULF STATES UTILITIES	LA	7806 1394 3	592	Standby	1968	GAS	FRESH	ONCE THROUGH
WILLOW ISLAND	MONONGAHELA POWER CO	WV	12796 3946 1	50	Operational	1949	COAL	FRESH	ONCE THROUGH
WILLOW ISLAND	MONONGAHELA POWER CO	WV	12796 3946 2	163	Operational	1960	COAL	FRESH	ONCE THROUGH
WILMARTH	NORTHERN STATES POWER CO	MN	13781 1934 1	12.5	Operational	1948	RDF	FRESH	ONCE THROUGH
WILMARTH	NORTHERN STATES POWER CO	MN	13781 1934 2	12.5	Operational	1951	RDF	FRESH	ONCE THROUGH
WINFIELD (KS)	WINFIELD MUN UTIL COMM	KS	20813 1332 2	5	Standby	1952	GAS	FRESH	ONCE THROUGH
WINFIELD (KS)	WINFIELD MUN UTIL COMM	KS	20813 1332 1	10	Operational	1957	GAS	FRESH	ONCE THROUGH
WINNETKA	WINNETKA ELEC SYSTEM	IL	20824 972 7	10	Operational	1964	GAS	FRESH	ONCE THROUGH
WINNETKA	WINNETKA ELEC SYSTEM	IL	20824 972 4	7.5	Operational	1958	GAS	FRESH	ONCE THROUGH
WINNETKA	WINNETKA ELEC SYSTEM	IL	20824 972 6	5	Standby	1948	COAL	FRESH	ONCE THROUGH
WN CLARK	WESTPLAINS ENERGY	CO	20391 462 1	16.5	Operational	1955	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
WN CLARK	WESTPLAINS ENERGY	CO	20391 462 2	22	Operational	1959	COAL	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)
WOOD RIVER (IL)	ILLINOIS POWER CO	IL	9208 898 1	50	Standby	1949	GAS	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>		
WOOD RIVER (IL)	ILLINOIS POWER CO	IL	9208	898	2	50	Standby	1949	GAS	FRESH	ONCE THROUGH
WOOD RIVER (IL)	ILLINOIS POWER CO	IL	9208	898	3	50	Standby	1950	GAS	FRESH	ONCE THROUGH
WOOD RIVER (IL)	ILLINOIS POWER CO	IL	9208	898	4	113	Operational	1954	COAL	FRESH	ONCE THROUGH
WOOD RIVER (IL)	ILLINOIS POWER CO	IL	9208	898	5	388	Operational	1964	COAL	FRESH	ONCE THROUGH
WYANDOTTE	WYANDOTTE MUNI SER COMM	MI	21048	1866	5	22	Operational	1958	COAL	FRESH	ONCE THROUGH
WYMAN	CENTRAL MAINE POWER CO	ME	3266	1507	1	50	Operational	1957	OIL	SALINE	ONCE THROUGH
WYMAN	CENTRAL MAINE POWER CO	ME	3266	1507	2	50	Operational	1958	OIL	SALINE	ONCE THROUGH
WYMAN	CENTRAL MAINE POWER CO	ME	3266	1507	3	114	Operational	1965	OIL	SALINE	ONCE THROUGH
WYMAN	CENTRAL MAINE POWER CO	ME	3266	1507	4	632	Operational	1978	OIL	SALINE	ONCE THROUGH
YATES	GEORGIA POWER CO	GA	7140	728	5	156	Operational	1958	COAL	FRESH	ONCE THROUGH
YATES	GEORGIA POWER CO	GA	7140	728	4	156	Operational	1957	COAL	FRESH	ONCE THROUGH
YATES	GEORGIA POWER CO	GA	7140	728	3	123	Operational	1952	COAL	FRESH	ONCE THROUGH
YATES	GEORGIA POWER CO	GA	7140	728	1	123	Operational	1950	COAL	FRESH	ONCE THROUGH
YATES	GEORGIA POWER CO	GA	7140	728	2	123	Operational	1950	COAL	FRESH	ONCE THROUGH

<i>Plant Name</i>	<i>Utility Name</i>	<i>State</i>	<i>Utility/Plant/Unit ID</i>	<i>MW</i>	<i>Status</i>	<i>Year</i>	<i>Fuel</i>	<i>Water</i>	<i>Cooling System</i>	
YAZOO CITY	YAZOO CITY PUB SER COMM	MS	21095 2067	1	5	Standby	1945	GAS	GROUND	ONCE THROUGH
YORKTOWN	VIRGINIA ELEC & POWER CO	VA	19876 3809	1	188	Operational	1957	COAL	BRACKISH	ONCE THROUGH
YORKTOWN	VIRGINIA ELEC & POWER CO	VA	19876 3809	2	188	Operational	1958	COAL	BRACKISH	ONCE THROUGH
YORKTOWN	VIRGINIA ELEC & POWER CO	VA	19876 3809	3	882	Operational	1974	OIL	BRACKISH	ONCE THROUGH
ZION	COMMONWEALTH EDISON CO	IL	4110 885	1	1085	Operational	1973	UR	FRESH	ONCE THROUGH
ZION	COMMONWEALTH EDISON CO	IL	4110 885	2	1085	Operational	1974	UR	FRESH	ONCE THROUGH
ZUNI	PUBLIC SERVICE COLORADO	CO	15466 478	1	35	Operational	1948	GAS	FRESH	COMBINATION (ONCE THROUGH/HELPER TOWER)

Appendix 2 - "Cooling Water Use Patterns at U.S. Nonutility Electric Generating Stations"  
(manuscript submitted for publication in *Environmental Science & Policy*, June 1999)

## Cooling Water Use Patterns at U.S. Nonutility Electric Generating Facilities

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### Abstract

Cooling water is used by many industrial facilities. The largest user of cooling water is the electric power industry. Data pertaining to cooling water use patterns at utility plants are readily available; however, no information has been assembled for cooling water use at electric power generating facilities owned or operated by entities other than utilities (nonutilities). This paper presents cooling water use data from two subsets of the nonutility sector and focuses on plants using once-through cooling systems. The first subset includes 123 nonutility plants that each generate at least 150 MW of power. Collectively, they represent 41,494 MW of generating capacity, or about 56% of the total generating capacity. Approximately 17% of the installations within that subset utilize once-through cooling water. The second subset includes 58 waste-to-energy facilities, which individually produce less than 80 MW but collectively generate about 2,200 MW. Only 11% of this subset of plants uses once-through cooling. The total 15,372 MW generated by once-through nonutilities is equivalent to only 6% of the 258,906 MW generated by utilities utilizing once-through cooling. This share may, from a national perspective, appear relatively insignificant. However, in some states, the nonutility once-through total is equivalent to a more significant percentage of the utility once-through total.

### 1. Introduction

#### *1.1 The U.S. Electric Power Industry*

The U.S. Department of Energy (DOE) Energy Information Administration (EIA) compiles, organizes, and publishes statistical data pertaining to various aspects of power production. For 1997, EIA (1998a) reports that U.S. generators produced 778,513 megawatts (MW) of electricity. Utilities produced 711,889 MW, whereas 74,021 MW was generated by nonutility sources. EIA notes that its methodology does not permit direct summation of the utility and nonutility totals.

The relative proportions of utility and nonutility generating capacity sources will shift over time. The impending deregulation of the electric power industry and other market forces have prompted several utilities to divest themselves of generating capacity and to provide only power distribution services. For example, in early 1999, the Potomac Electric Power Company, based in Washington, D.C., announced its intention to sell its generating plants over the next few years. If the ultimate purchaser of those plants is a nonutility, nearly 6,000 MW of capacity would move from the utility total to the nonutility bracket.

Presently, over 3,250 U.S. electric utilities, including investor-owned utilities, publicly owned utilities, cooperative electric utilities, federal electric utilities, and power marketers, operate in



the United States. More than 75% of U.S. electricity is supplied by investor-owned utilities (EIA 1998a). Fossil-fuel and nuclear steam electric plants generate nearly 545,000 MW. Gas turbines and internal combustion systems produce 65,000 MW. Hydroelectric and pumped storage systems generate 95,000 MW. Renewable sources produce about 2 MW. As a result of independent rounding, the sum of these generation rates does not equal the total for utilities provided above (EIA 1998b).

The Edison Electric Institute (EEI) Power Statistics Data Base estimates the installed U.S. steam electric generating capacity at 583,596 MW (EEI 1996). The discrepancy between the EIA and the EEI figures is attributable to differences in the ways in which data are obtained and updated. The EIA data are obtained through annual written questionnaires. The EEI data are developed by using the EIA data as a starting point. They were updated and revised regularly by contact with utilities through 1996. Since 1996, the EEI data have not been updated. The remainder of this paper uses EEI data for utilities because they provide more details pertaining to cooling water usage.

Approximately 2,000 U.S. nonutility power producers, including cogenerator qualified facilities, small power producers, exempt wholesale generators, cogenerator nonqualifying facilities, and independent power producers, operate in the United States. About 60% of nonutility capacity is generated by cogenerator qualified facilities. Some nonutilities sell their electricity to utilities, while others use it for their own internal consumption. Industrial plants that produce their own power to satisfy their huge electricity needs (e.g., iron and steel mills, paper mills) are considered nonutility generators.

## *1.2 Cooling Water Use*

Water is used in many industrial applications to cool machinery or to condense steam. The largest industrial user of cooling water is the steam electric power industry. More than 75% of the utility-derived power in the United States is generated through the steam electric process. At nuclear and fossil-fuel power plants, electricity is produced by heating purified water to create steam. The steam is used to run turbines, which drive the generators that produce electricity. After leaving the turbines, the steam passes through a condenser, which has multiple tubes and a large surface area. A large volume of cool water circulates through the tubes, absorbing heat from the steam. As the steam cools and condenses, the temperature of the cooling water rises.

Most power plants use either once-through cooling or closed-cycle cooling. Once-through cooling systems withdraw large volumes of water from a river, lake, estuary, or ocean. The water is pumped through the condenser and finally returned to the same or a nearby water body. Closed-cycle cooling systems receive their cooling water from and return it to a cooling tower and basin, cooling pond, or cooling lake.

Table 1 (based on EEI 1996) shows the distribution of U.S. steam electric utility capacity by type of cooling system. Closed-cycle systems cool about 50% of the capacity, whereas once-through systems account for 44%. The remainder is shared by systems utilizing both closed-cycle and once-through components ("combination") or switching seasonally between closed-cycle and once-through cooling ("mixed mode").

Table 2 (based on EEI 1996) provides information pertaining to the source of the cooling water used by utilities. Nearly half of the U.S. steam electric utility capacity utilizes cooling water withdrawn from rivers. Lakes, estuaries, and oceans supply cooling water for 27%, 11%, and 9% of the capacity, respectively. The remaining 7% comes from a variety of other sources, including groundwater, tap water, and others.

## **2. A Need for Nonutility Cooling Water Data**

Section 316(b) of the Clean Water Act, enacted by Congress in 1972, addresses withdrawal of cooling water from surface water bodies, as follows:

Any standard established pursuant to section 301 or section 306 of this Act and applicable to a point source shall require that the location, design, construction, and capacity of cooling water intake structures reflect the best technology available for minimizing adverse environmental impact.

In 1976, the U.S. Environmental Protection Agency (EPA) promulgated final §316(b) regulations (April 26, 1976; 41 FR 17387). However, those regulations were successfully challenged by a group of 58 utilities [*Appalachian Power Co. v. Train*, 10 ERC 1965 (4<sup>th</sup> Cir. 1977)]. In 1979, EPA formally withdrew its §316(b) regulations (June 1979; 44 FR 32956). As a consequence of the vacuum created by the absence of federal regulations, states adopted their own cooling water intake regulations to implement the §316(b) requirements. The broad statutory language facilitated widely differing interpretations by the states. Some adopted comprehensive programs, whereas others imposed less rigorous requirements.

In the mid-1990s, a coalition of environmental groups, headed by the Hudson Riverkeeper, filed suit against EPA over failure to repromulgate §316(b) regulations [*Cronin, et al. v. Reilly*, 93 Civ. 0314 (AGS)]. On October 10, 1995, the U.S. District Court, Southern District of New York, entered a Consent Decree between the parties, directing EPA to regulate cooling water intake structures within 7 years. Under the Consent Decree, EPA agreed to propose regulations by June 1999 and promulgate a final rule by 2001.

As a precursor to formal regulations, EPA is currently developing a draft framework governing cooling water intake structures. Determining the universe of cooling water users that may potentially be affected by a national §316(b) regulation plays a crucial role in the regulatory process. Not every generating unit may be affected by the §316(b) regulations. Some plants use closed-cycle cooling systems and other units generate power without a steam cycle, and therefore do not require a water-based cooling system. Consequently, EPA will probably inventory U.S. power plants using once-through cooling systems. However, cooling water use patterns at nonutilities cannot be readily extracted from existing information sources. The EEI Power Statistics Data Base includes only utilities and the EIA nonutility database does not address cooling water use.

DOE's mission includes monitoring actions that could either dramatically increase the cost of electricity to consumers or disrupt a reliable electricity supply for any parts of the country. DOE

commissioned Argonne National Laboratory to obtain information that could be used to analyze the potential economic and reliability impacts of future §316(b) regulations (Veil 1999), including new data pertaining to cooling water use patterns at nonutilities. After describing the methodology for data collection, the paper presents and analyzes the data thus obtained.

### **3. Methodology**

EIA (1998c) provides a list of approximately 2,000 U.S. nonutility power generators with at least 1 MW capacity and includes information specifying the plant's name and owner, the state in which the plant is located, and the nameplate capacity of each plant. The size of these nonutility facilities ranges from 1 MW to 1849 MW. The EIA does not collect cooling water usage information from nonutilities. Neither do nonutility trade or industry associations maintain cooling water information. Therefore, contacting each facility individually remains the only viable option for collecting pertinent data. The authors did not have the resources to contact all 2,000 facilities. Thus, selected subsets of the total population that would provide a representative picture of all nonutilities were evaluated. Table 3 shows the proportion of the total nonutility capacity represented by several subsets. The subset of all U.S. nonutility facilities generating at least 150 MW, which includes 123 plants, was chosen. This subset represents 41,494 MW, or 56% of the total nonutility generating capacity. Using a list of plant names, addresses, facility contact persons, and phone numbers provided by EIA, the authors attempted to contact the facilities thus identified and inquire about their cooling systems.

A second data collection effort involved selected waste-to-energy plants, which constitute a different subset of the nonutility population. The Integrated Waste Services Association provided contact names and phone numbers for the six largest waste-to-energy operators, which collectively operate 58 U.S. plants generating about 2,200 MW. The information from these plants, which range in capacity from 4 MW to 78 MW, gives an indication of cooling water use at the smaller end of the nonutility generating capacity spectrum. Each of the six companies was contacted. The interviews with company representatives were geared toward the future §316(b) regulations and, therefore, were confined to determining the presence or absence of once-through cooling water intake structures. Information on the generating capacity of these facilities was obtained from EIA (1998a) and Rigo and Zannes (1998).

### **4. Results**

#### *4.1. Facilities Generating At Least 150 MW*

Table 4 lists the 123 nonutility facilities that generate at least 150 MW of power, as well as the states in which they were located, MW generation rates, and cooling systems. Table 5 summarizes the number of facilities by type of cooling system. Survey responses could not be secured for 17 facilities representing 5,991 MW, because they could not be contacted (11) or did not reply (6). Percentages were thus assigned to the cooling systems used by 106 installations generating a total of 35,503 MW. Nearly half (48%) employ closed-cycle cooling. Twenty-one percent do not utilize cooling processes. Thirteen percent are air-cooled. Eleven percent use once-through cooling. Six percent employ mixed-mode systems that include a once-through

cooling element. One percent use other mixed mode approaches. In sum, the once-through share amounts to 17%, representing 6,041 MW.

#### *4.2. Waste-to-Energy Facilities*

Table 6 lists the 58 waste-to-energy facilities operated by six companies, as well as the states in which they are located, MW generation rates, and reliance on once-through cooling or other, not specified, systems. Table 7 summarizes the number of installations by type of cooling system. Only 5 of 58 facilities employ once-through cooling. They represent 2,201 MW, or 11% of the total power generated by this subset of facilities.

#### *4.3. Geographic Distribution of Nonutilities Using Once-through Cooling*

Table 8 summarizes the number of facilities using once-through cooling by state. All but three of the 23 plants (18 larger nonutilities and 5 waste-to-energy installations) using once-through cooling are located in the eastern part of the country. About half of the facilities are located in New England or the Mid-Atlantic states. Seven other plants are situated in Gulf Coast states. All facilities, except for one located in Tennessee, operate in coastal states. Maryland and New York are the only states hosting once-through plants in both subsets. Louisiana, with four installations, is the only state hosting more than two once-through facilities. Three plants operate in Southeastern states and one facility each is located in the Midwest and Pacific Northwest.

### **5. Discussion**

A relatively small portion of nonutility power sources utilize once-through cooling. A sizeable sample of the largest generators suggests that only about 17% use once-through cooling alone (11%) or in conjunction with closed-cycle cooling in a mixed-mode system (6%). This percentage share represents power generation of 6,041 MW.

Within the waste-to-energy subset of smaller nonutility facilities, about 11% use once-through cooling. No information is available for the other sectors of smaller nonutility facilities. The waste-to-energy industry is relatively new. Many of the facilities were constructed during the past decade. Nationally, the use of once-through cooling at newly constructed power plants has been declining since the mid-1980s. SAIC (1993) reports that only 26% of the cooling water intake flow at utility installations commissioned from 1986 to 1990 was utilized for once-through cooling systems. According to that study, no electric power facilities using once-through cooling went on line in 1991. In light of this national trend, the use of once-through cooling at waste-to-energy installations may be low because the facilities themselves are relatively new.

The total MW generated by once-through nonutilities can be estimated by adding the known capacities of the two subsets described above and an assumed percentage for the once-through nonutilities that have not actually been surveyed. As shown in Table 5, the larger nonutility subset represents a capacity of 6,041 MW. Table 7 indicates that the once-through waste-to-energy subset corresponds to a capacity of 252 MW. The summation of the two subsets yields a

once-through capacity of 6,293 MW. As previously described, we received information on the cooling water use patterns from 37,704 MW of nonutility capacity, while the overall nonutility capacity amounts to 74,021 MW. No cooling water usage information is available for the balance of 36,317 MW. For those facilities that provided information, the percentage using once-through cooling systems ranges from 11% to 17%. The percentage of the remaining nonutility facilities using once-through cooling systems was estimated at 25% to provide a measure of conservatism in the analysis. The summation of the surveyed and estimated capacities yields 15,372 MW of capacity for facilities with once-through cooling.

The total power produced by nonutilities using once-through cooling (15,372 MW) is equivalent to only about 6% of the 258,906 MW generated by utilities using once-through cooling and may, from a national perspective, appear relatively insignificant. However, this appearance may not be accurate when the data are examined on a state-by-state basis. This situation is clearly illustrated in the State of Washington, where a small utility unit using once-through cooling produces just 44 MW. By comparison, the single nonutility once-through unit (a mixed-mode facility) generates 170 MW. In several other states, the nonutility once-through total is equivalent to more than 10% of the utility once-through total. In Maine, for example, the single once-through nonutility produces 298 MW, which is equivalent to 16% of the utility once-through total. The four Louisiana nonutility facilities using once-through cooling generate an amount of electricity equivalent to 14% of the utility once-through total. In Connecticut, the nonutility once-through total is equivalent to 12% of the utility total.

## **6. Conclusions**

Only a relatively small portion of nonutility power sources utilize once-through cooling. The percentage of the generating capacity using once-through cooling ranges from 11% to 17% in the two subsets of the nonutility population that were studied. A conservative estimate of the total once-through nonutility power generation yields 15,372 MW, which is equivalent to only 6% of the utility capacity employing once-through cooling. Potential impacts of future §316(b) regulations, which are expected to affect once-through cooling facilities in particular, may, from a national perspective, not be as significant for the nonutility sector because relatively few nonutilities use once-through cooling. However, this assessment may change when applied to individual states. These conclusions are based on the current distribution of utility and nonutility generating capacity. Should the proportion of nonutility capacity increase significantly in the future, these conclusions would need to be revisited.

## **7. Acknowledgments**

Mr. Veil's and Dr. Puder's work was supported by the U.S. Department of Energy, Office of Fossil Energy and Office of Policy and International Affairs under Contract W-31-109-ENG-38. The authors acknowledge the assistance of Robert Schnapp of the Energy Information Administration, Maria Zannes of the Integrated Waste Services Association, and numerous personnel who responded at nonutility facilities.

## **8. References**

EEL, 1996, *Environmental Directory of US Powerplants*, Edison Electric Institute, Washington, D.C.

EIA, 1998a, *Electric Power Annual 1997, Volume II*, U.S. Department of Energy, Energy Information Administration, DOE/EIA-0348(97)/2, October.

EIA, 1998b, *Electric Power Annual 1997, Volume I*, U.S. Department of Energy, Energy Information Administration, DOE/EIA-0348(97)/1, July.

EIA, 1998c, *Inventory of Power Plants in the United States As of January 1, 1998*, U.S. Department of Energy, Energy Information Administration, DOE/EIA-0095(98), December.

Rigo, G., and M. Zannes, 1998, *The 1997-1998 IWSA Waste-To-Energy Directory of United States Facilities*, Integrated Wastes Services Association, Washington, D.C.

SAIC, 1993, *Cooling Water Use for Selected U.S. Industries and Summary of Selected EPA Regional and State Section 316(b) Activities*, draft background paper 2, prepared for the U.S. Environmental Protection Agency by the Science Applications International Corporation, Falls Church, VA, December 13.

Veil, J.A., 1999, *Potential Impacts of 316(b) Regulatory Controls on Economics, Electricity Reliability, and the Environment*, in proceedings of the Power Generation Impacts on Aquatic Resources Conference, sponsored by the Electric Power Research Institute and the U.S. Department of Energy, April 12-15, 1999, Atlanta, GA.

**Table 1 - Distribution of Types of Cooling Systems Used by Installed U.S. Steam-Electric Utilities**

Type of Cooling System	Capacity (MW)	Percentage of Total
Once-through	258,906	44
Cooling Tower	206,605	35
Cooling Lake/Pond	85,502	15
Combination	24,070	4
Mixed-mode	8,464	1
Other	49	0
<b>Total</b>	<b>583,596</b>	<b>100</b>

Source: EEI (1996)

**Table 2 - Distribution of Cooling Water Source Used by Installed U.S. Steam-Electric Utilities**

Cooling Water Source	Capacity (MW)	Percentage of Total
River	272,176	47
Lake	160,419	27
Estuary	62,210	11
Ocean	49,705	9
Other	39,819	7
<b>Total</b>	<b>584,329</b>	<b>100</b>

Source: EEI (1996)

Table 3 - Generating Capacities Represented by Selected Populations of U.S. Nonutilities

Population	Number of Facilities	Combined Capacity (MW)	Percentage of Total Capacity
All	1,983	74,021	100
All facilities ≥ 100 MW	211	51,868	70
All facilities ≥ 125 MW	155	45,778	62
All facilities ≥ 150 MW	123	41,494	56
All facilities ≥ 175 MW	108	39,105	53
All facilities ≥ 200 MW	95	36,674	50

Source: Based on data from EIA (1998c)



Table 4 - Cooling Systems Used at Nonutility Plants Generating  $\geq 150$  MW

Facility Name	State	Capacity (MW)	Type of Cooling System
Georgia-Pacific Corp	AR	156.5	Closed-cycle
Pine Bluff Cogeneration Center	AR	252.5	Closed-cycle
Nordic Power of South Point I	AZ	233.2	Unable to contact
AES Placerita Incorporated	CA	150	Closed-cycle
Collieville	CA	253	Unable to contact
Crockett Cogeneration Project	CA	247.4	Closed-cycle
Kern River Cogeneration Company	CA	300	No cooling system used
Midway Sunset Cogeneration Company	CA	234	No cooling system used
Sycamore Cogeneration Company	CA	300	No cooling system used
Altamont Pass Windplant	CA	312.8	Unable to contact
Watson Cogeneration Company	CA	398	Closed-cycle
Thermo Cogen Partnership L/P a Delaware L/P	CO	163	Unable to contact
AES Thames, Incorporated	CT	213.9	Once-through
Bridgeport Energy	CT	520	Once-through
Auburndale Power Partners, Limited Partnership	FL	192.8	Closed-cycle
Cedar Bay Generating Company L/P	FL	285	Closed-cycle
Indiantown Cogeneration Facility	FL	330	Closed-cycle
Mulberry Cogeneration Facility	FL	153	Closed-cycle
Hardee Power Station	FL	383.5	No cooling system used
Mid-Georgia Cogen	GA	363.1	Closed-cycle
Union Camp Corporation - Savannah	GA	192.5	Mixed (once-through/closed-cycle)
Hartwell Energy Limited Partnership	GA	360	No cooling system used
Tenaska Georgia Generation Facility	GA	306.8	No cooling system used
AES Barbers Point, Incorporated	HI	204	Closed-cycle
Kalaheola Cogeneration Plant	HI	299.5	Closed-cycle
Cedar Rapids	IA	155	Closed-cycle
Decatur	IL	261	No information provided
Bethlehem Steel Burns Harbor Plant	IN	177.7	Once-through
Georgia Gulf Corporation-Plaquemine Division	LA	306	Closed-cycle
Nelson Industrial Steam Company	LA	200	Closed-cycle
Power and Utilities	LA	587	Once-through
PPG - Riverside	LA	159	Once-through
PPG- Powerhouse C	LA	357.8	Once-through
Sidney A. Murray, Jr. Hydroelectric Station	LA	192	No cooling system used
Taft Plant Union Carbide Corporation	LA	297.3	Once-through
Bellingham Cogeneration Facility	MA	430.2	Air-cooled
Masspower	MA	246	Air-cooled
Bershire Power	MA	272	Closed-cycle
Milford Power Limited Partnership	MA	178.1	Closed-cycle
Millennium Power	MA	360	Closed-cycle
Dighton Power Associates	MA	200	Mixed (closed-cycle/air-cooled)
Androscoffin Cogeneration Center	MA	163.7	No cooling system used
Island End Cogeneration Project	MA	235	Unable to contact
AES Warrior Run Cogeneration Facility	MD	200	Closed-cycle
Panda Brandywine, L/P	MD	288.9	Closed-cycle

Facility Name	State	Capacity (MW)	Type of Cooling System
Bethlehem Steel Sparrows Point	MD	170	Once-through
Maine Independence Station	ME	520	Closed-cycle
Great Northern Paper	ME	297.5	Once-through
Michigan Power Limited Partnership	MI	154.1	Closed-cycle
Midland Cogeneration Venture	MI	1849.5	No cooling system used
Rouge Powerhouse #1	MI	345	Unable to contact
Cottage Grove Cogeneration Facility	MN	315	Closed-cycle
LTV Steel Mining Company-Schroeder	MN	202.5	No information provided
Caledonia Power Facility	MS	290	Air-cooled
Batesville Generation Facility	MS	801	Closed-cycle
Red Hills Generating Facility	MS	513.8	Closed-cycle
Fulton Power Facility	MS	290	No cooling system used
New Albany Power Facility	MS	290	No cooling system used
Westmoreland - LG&E Partners Roanoke Valley 1	NC	182.3	No cooling system used
Plymouth, NC	NC	161.5	Once-through
Panda-Rosemary Limited Partnership	NC	180	Unable to contact
Linden Cogen Plant	NJ	761.6	Air-cooled
Sayreville Cogeneration Facility	NJ	430.2	Air-cooled
Bayonne Cogen Plant	NJ	191.6	Closed-cycle
Camden Cogen L.P.	NJ	157	Closed-cycle
Eagle Point Cogeneration	NJ	225	Closed-cycle
Lakewood Cogeneration, L/P	NJ	238.5	Closed-cycle
Logan Generating Plant	NJ	230	Closed-cycle
Chambers Cogeneration Limited Partnership	NJ	285	No cooling system used
Cobisa-Person Limited Partnership	NM	150	No cooling system used
El Dorado Energy	NV	632	Air-cooled
Nevada Sun-Peak Project	NV	210	Closed-cycle
Saranac Facility	NY	285.6	Air-cooled
Kodak Park Site	NY	206.9	Closed-cycle
Lockport Energy Assoc L/P Lockport Cogen Facility	NY	209.6	Closed-cycle
Selkirk Cogen Partners, LP	NY	357.6	Closed-cycle
Sithe/Independence Station	NY	1305.5	Closed-cycle
Brooklyn Navy Yard Cogeneration Partners, L.P.	NY	336.6	Once-through
Summit Pumped Storage Hydroelectric Project	OH	1500	Unable to contact
AES Shady Point, Incorporated	OK	350	Closed-cycle
Hermiston Generating Plant	OR	621.2	Closed-cycle
Grays Ferry Cogeneration Partnership	PA	192.6	Once-through
Tiverton Power Associates-Limited Partnership	RI	272.9	Air-cooled
Ocean State Power	RI	254.4	Closed-cycle
Ocean State Power II	RI	254.4	Closed-cycle
Tenn Eastman Div, a Div of Eastman Chemical Co	TN	188.9	Mixed (once-through/closed-cycle)
Brownsville Peaking Power Plant	TN	290	No cooling system used
AES Deepwater, Incorporated	TX	184	Closed-cycle
Encogen One	TX	266	Air-cooled
Baytown Turbine Generator Project	TX	212	Closed-cycle
C.R. Wing Cogeneration Plant	TX	224.5	Closed-cycle
Clear Lake Cogeneration Limited	TX	377	Closed-cycle

Facility Name	State	Capacity (MW)	Type of Cooling System
Exxon Company USA-Baytown PP3/PP4	TX	225.5	Closed-cycle
Formosa Utility Venture, Limited	TX	652.2	Closed-cycle
Mustang Station	TX	510	Closed-cycle
Oyster Creek Unit VIII	TX	498	Closed-cycle
Tenaska Frontier Generation Station	TX	549.6	Closed-cycle
Tenaska III Texas Partners	TX	250	Closed-cycle
Tenaska IV Texas Partners Ltd (Cleburne Cogen)	TX	282.6	Closed-cycle
Shell Deer Park	TX	255	Mixed (closed-cycle/air-cooled)
The Dow Chemical Company Texas Operations	TX	1500.2	Mixed (once-through/closed-cycle)
Bayou Cogeneration Plant	TX	300	No cooling system used
Beaumont Refinery	TX	227.3	No cooling system used
Black Hawk Station	TX	253.8	No cooling system used
Sweeny Cogeneration Facility	TX	345	No cooling system used
Power Station #4	TX	191.1	No information provided
Pasadena Power Plant	TX	260.9	No information provided
Houston Chemical Complex Battleground Site	TX	200	No information provided
Sandow	TX	363	Once-through
CoGen Lyondell, Incorporated	TX	564	Unable to contact
Cogenron, Incorporated	TX	450	Unable to contact
Doswell Combined Cycle Facility	VA	742.4	Air-cooled
Gordonsville Energy L.P.	VA	300.4	Air-cooled
Cogentrix of Richmond, Incorporated	VA	270	Closed-cycle
Commonwealth Atlantic Limited Partnership	VA	388.9	No cooling system used
SEI Birchwood Power Facility	VA	240	No information provided
Franklin Fine Paper Division	VA	155.6	Once-through
Hopewell Cogeneration	VA	399	Unable to contact
Tenaska Washington Partners, L.P	WA	245.7	Closed-cycle
Encogen NW	WA	170.2	Mixed (once-through/closed-cycle)
March Point Cogeneration Company	WA	167	No cooling system used
Whitewater Cogeneration Facility	WI	315	Closed-cycle
De Pere Energy Center	WI	187.3	No cooling system used
Total - 123 facilities		41,493.7	

Table 5 - Summary of Cooling Systems Used at Nonutility Plants Generating  $\geq 150$  MW  
(from Table 4)

Type of Cooling System	Number of Facilities	Capacity (MW)	Percentage of Total	Percentage of Total That Responded <sup>a</sup>
Once-through	14	3,990	10	11
Closed-cycle	53	16,904	41	48
Air-cooled	11	4,657	11	13
Mixed-mode (includes some once-through)	4	2,051	5	6
Mixed-mode (includes no once-through)	2	455	1	1
No cooling system used	22	7,496	18	21
Unable to contact/no information provided	17	5,991	14	--
Total	123	41,494	100	100

<sup>a</sup> The total that responded represents the overall total minus the 17 facilities in the "unable to contact/no information provided" category. The reduced total reflects a power generation of 35,503 MW.

Table 6 - Cooling Systems Used at Selected Waste-to-Energy Facilities

Facility Name	State	MW	Once-Through Cooling Used
Montenay Power Corporation Long Beach SERRF	CA	38	No
Ogden Martin Systems of Stanislaus, Inc.	CA	22	No
American Ref-Fuel Company of Southeastern Connecticut	CT	17	No
Ogden Martin Systems of Bristol, Inc.	CT	16	No
Ogden Martin Systems of Connecticut, Inc.	CT	68	No
Ogden Martin Projects of Wallingford, L.P.	CT	11	No
Wheelabrator Bridgeport RESCO	CT	67	No
Wheelabrator River Systems of Lisbon	CT	15	No
Montenay Power Corporation Dade County Resource Recovery Facility	FL	75	No
Ogden Martin Systems of Hillsborough, Inc.	FL	29	No
Ogden Martin Systems of Lake, Inc.	FL	16	No
Ogden Martin Systems of Pasco, Inc.	FL	31	No
Ogden Martin of Lee, Inc.	FL	40	No
Westinghouse Electric Corporation Bay County Energy Systems, Inc.	FL	12	No
Wheelabrator McKay Bay	FL	20	No
Wheelabrator North Broward	FL	66	No
Wheelabrator Pinellas	FL	75	No
Wheelabrator South Broward	FL	66	No
Ogden Martin Honolulu Resource Recovery Venture	HI	57	No
Foster Wheeler Robbins Resource Recovery Facility	IL	50	No
Ogden Martin Systems of Indianapolis	IN	7	No
American Ref-Fuel Company of SEMASS, LP	MA	78	No
Ogden Martin Systems of Haverhill, Inc.	MA	46	No
Ogden Martin Haverhill Lawrence RDF Facility	MA	18	No
Wheelabrator Massachusetts Refusetech	MA	40	No
Wheelabrator Millbury	MA	45	No
Wheelabrator Saugus RESCO	MA	54	Yes
Ogden Martin Systems of Montgomery, Inc.	MD	68	No
Wheelabrator Baltimore RESCO	MD	60	Yes
Ogden Martin Systems Michigan Waste-to-Energy, Inc.	MI	65	No
Ogden Martin Systems of Kent, Inc.	MI	18	No
Ogden Martin Hennepin Energy Resource Company, L.P.	MN	38	No
Wheelabrator Claremont RFD#2	NH	4	No
Wheelabrator Concord	NH	15	No
American Ref-Fuel Company of Essex County	NJ	68	No
Foster Wheeler Camden Resource Recovery Facility	NJ	34	No
Ogden Martin Warren Energy Resource Company, L.P.	NJ	13	No
Ogden Martin Systems of Union, Inc.	NJ	44	No
Wheelabrator Gloucester	NJ	14	Yes
American Ref-Fuel Company of Hempstead	NY	72	No
American Ref Fuel Company of Niagara, L.P.	NY	50	No
Foster Wheeler Washington County Facility	NY	64	Yes
Ogden Martin Systems of Babylon, Inc.	NY	17	No
Ogden Martin Systems of Huntington, Inc.	NY	25	No
Ogden Martin Systems of Onondaga, Inc.	NY	40	No

Facility Name	State	MW	Once-Through Cooling Used
Westinghouse Electric Corporation Dutchess County Resource	NY	12	No
Wheelabrator Westchester RESCO	NY	60	Yes
Ogden Martin Systems of Tulsa, Inc.	OK	18	No
Ogden Martin Systems of Marion, Inc.	OR	13	No
American Ref-Fuel Delaware Valley Resource Recovery Facility	PA	80	No
Montenay Power Corporation Energy Resources of Montgomery	PA	32	No
Ogden Martin Systems of Lancaster, Inc.	PA	36	No
Westinghouse Electric Corporation York County Resource Energy, Inc.	PA	36	No
Wheelabrator Falls	PA	53	No
Foster Wheeler Charleston Facility	SC	13	No
Ogden Martin Systems of Alexandria/Arlington, Inc.	VA	22	No
Ogden Martin Systems of Fairfax, Inc.	VA	80	No
Wheelabrator Spokane	WA	26	No
Total		2201	

Table 7 - Summary of Cooling Systems Used at Selected Waste-to-Energy Facilities from Table 6

Type of Cooling System	Number of Facilities	Capacity (MW)	Percentage of Total
Once-through	5	252	11
All others	53	1,808	89
Total	58	2,201	100

Table 8 - Occurrence of Nonutility Plants Using Once-Through Cooling in Two Subsets by State

State	Facilities Generating $\geq 150$ MW		Selected Waste-to-Energy Facilities	
	Total Facilities	Facilities Using Once-Through Cooling	Total Facilities	Facilities Using Once-Through Cooling
AR	2	0	0	0
AZ	1	0	0	0
CA	8	0	2	0
CO	1	0	0	0
CT	2	2	6	0
FL	5	0	10	0
GA	4	1	0	0
HI	2	0	1	0
IA	1	0	0	0
IL	1	0	1	0
IN	1	1	1	0
LA	7	4	0	0
MA	8	0	6	1
MD	3	1	2	1
ME	2	1	0	0
MI	3	0	2	0
MN	2	0	1	0
MS	5	0	0	0
NH	0	0	2	0
NC	3	1	0	0
NJ	8	0	5	1
NM	1	0	0	0
NV	2	0	0	0
NY	6	1	8	2
OH	1	0	0	0
OK	1	0	1	0

State	Facilities Generating $\geq$ 150 MW		Selected Waste-to-Energy Facilities	
	Total Facilities	Facilities Using Once-Through Cooling	Total Facilities	Facilities Using Once-Through Cooling
OR	1	0	1	0
PA	1	1	5	0
RI	3	0	0	0
SC	0	0	1	0
TN	2	1	0	0
TX	24	2	0	0
VA	7	1	2	0
WA	3	1	1	0
WI	2	0	0	0
Total	123	18	58	5