U.S. Hydropower Resource Assessment for Illinois

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Published January 1997

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MASTER

**Prepared for the
U.S. Department of Energy
Assistant Secretary for Energy Efficiency and Renewable Energy
Under DOE Idaho Operations Office
Contract DE-AC07-94ID13223**

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ABSTRACT

The U.S. Department of Energy is developing an estimate of the undeveloped hydropower potential in the United States. The Hydropower Evaluation Software (HES) is a computer model that was developed by the Idaho National Engineering Laboratory for this purpose. HES measures the undeveloped hydropower resources available in the United States, using uniform criteria for measurement. The software was developed and tested using hydropower information and data provided by the Southwestern Power Administration. It is a menu-driven program that allows the personal computer user to assign environmental attributes to potential hydropower sites, calculate development suitability factors for each site based on the environmental attributes present, and generate reports based on these suitability factors. This report describes the resource assessment results for the State of Illinois.

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ACKNOWLEDGMENTS

The authors thank Peggy A. M. Brookshier, John V. Flynn, and Wayne Belgrave of the U.S. Department of Energy and Robert Dalton of the State of Illinois for their active participation and timely comments.

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INTRODUCTION

In June 1989, the U.S. Department of Energy initiated the development of a National Energy Strategy to identify the energy resources available to support the expanding demand for energy in the United States. Public hearings conducted as part of the strategy development process indicated that undeveloped hydropower resources were not well defined. As a result, the Department of Energy established an interagency Hydropower Resource Assessment Team to ascertain the undeveloped hydropower potential. In connection with these efforts by the Department of Energy, the Idaho National Engineering Laboratory designed the Hydropower Evaluation Software (HES), which has been used to perform a resource assessment of the undeveloped conventional hydropower potential in over 30 states. This report presents the results of the hydropower resource assessment for the State of Illinois. Undeveloped pumped storage hydropower potential is not included.

The HES was developed as a tool to measure undeveloped hydropower potential regionally or by state. The software is not intended to provide precise development factors for individual sites, but to provide regional or state totals. Because the software was developed as a generic measurement tool encompassing national issues, regional and state totals must be considered judiciously; various local issues may skew undeveloped hydropower potential totals. The information for the resource assessment was compiled from the Federal Energy Regulatory Commission's Hydroelectric Power Resources Assessment database and several other sources. Refer to DOE/ID-10338, the User's Manual (Francfort, Matthews, Rinehart 1991) for the specifics of the software and to DOE/ID-10430.1, the Status Report (Conner, Francfort, Rinehart 1996) for an overview of all resource assessment activities to date.

Model Development

Hydropower Evaluation Software, both a probability-factor computer model and a database, is a menu-driven program that is intended to be user-friendly. Computer screens and report-generation capabilities were developed to meet the needs of users nationwide. The software uses environmental attribute data to generate an overall project environmental suitability factor (PESF) between 0.1 and 0.9, where 0.9 indicates the highest likelihood of development and 0.1 indicates the lowest likelihood of development. The suitability factors are dependent on the unique environmental attributes of each potential site. They reflect the considerations that (a) environmental concerns can make a potential site unacceptable, prohibiting its development (for a suitability factor of 0.1), or (b) if there are no environmental concerns, there is no effect on the likelihood of site development (for a suitability factor of 0.9). A combination of attributes can result in a lower suitability factor because multiple environmental considerations would reduce the likelihood that a site may be developed to its physical potential.

Model Goal

The goal of the HES is to assemble an accurate resource database of all sites with undeveloped hydropower potential in the United States for use as a planning tool to determine the viable national hydropower potential. Undeveloped hydropower potential is not limited to the development of new sites; it also includes the development of additional hydropower-generating capacity at sites that currently have hydropower, but are not developed to their full potential. This undeveloped hydropower potential is a source of nonpolluting, renewable energy available to meet the growing power needs of the United States. The HES should help make this goal obtainable and ensure a set of uniform criteria for national assessment.

Dam Status

The effects of environmental attributes vary by dam status. The dam status classifications used are as follows

W = Developed hydropower site with current power generation, but the total hydropower potential has not been fully developed. Only the undeveloped hydropower potential is discussed in this report.

W/O = Developed site without current power generation. The site has some type of developed impoundment or diversion structure, but no developed hydropower generating capability.

U = Undeveloped site. The site does not have power generation capability nor a developed impoundment or diversion structure.

ASSESSMENT RESULTS

Summary Results

A total of 49 sites (Table 1) have been identified and assessed for their undeveloped hydropower potential. The HES results for individual site capacities range from 107 kilowatts (kW) to 60 megawatts (MW). The majority of the

sites (59%) have potential capacities of greater than 1 MW, but less than 10 MW (Figure 1).

The nonmodeled undeveloped hydropower potential total for Illinois was identified as 594 MW. The HES results lowers this estimate about 49% to 301 MW. The greatest reduction in undeveloped hydropower potential, by MW, occurs at sites with some type of structure in place, but no current generation of power present (without power category). These sites have an HES-modeled undeveloped hydropower potential of 242 MW, a 215 MW reduction in the estimated undeveloped hydropower potential (Figure 2). The undeveloped sites have the greatest percentage decrease in modeled undeveloped potential capacity. The unadjusted potential is 58 MW, and the modeled capacity is 18 MW, a 69% decrease in capacity (Figure 2). The number of sites does not change, only the identified undeveloped hydropower potential is reassessed (Figure 3).

The 49 identified sites are located within 9 major river basins and 1 minor river basin. The Dayton Project on the Fox River (Figure 4) illustrates a developed Illinois hydropower plant. The number of sites per major river basin ranges from 1 in the Meramec and Ohio Main Stream River Basins, to 22 in the Illinois River Basin (Figure 5). The Mississippi River Basin has the most undeveloped hydropower potential (110 MW) of the Illinois river basins (Figure 6). It should be noted that the Mississippi River Basin reports to having only 3 sites to develop in order to obtain the 110 MW of undeveloped hydropower capacity.

Table 1. Undeveloped hydropower potential summaries for Illinois. The table contains the nonmodeled undeveloped nameplate potential and the HES-modeled undeveloped hydropower potential totals.

	Nameplate potential		HES-modeled potential
	Number of projects	(MW)	(MW)
With Power	9	80.1	41.4
W/O Power	35	456.7	242.0
Undeveloped	5	57.6	17.5
State Total	49	594.4	300.9

Figure 1. Number of sites, by capacity groups, with HES-modeled undeveloped hydropower potential.

Figure 2. The nonmodeled and HES-modeled undeveloped hydropower potential.

Figure 3. The number of sites with undeveloped hydropower potential and the total megawatts of HES-modeled undeveloped hydropower potential.

Figure 4. The Dayton Dam on the Fox River is an example of a developed Illinois hydropower plant. The photo shows the Dayton power plant on the left side and the Dayton Reservoir dam in the background. The Dayton plant (FERC #287) was constructed in the 1920s and has a nameplate rating of 3.6 MW. It has an additional undeveloped capacity of 630 kW at this 23-foot structure.

Figure 5. Number of sites with undeveloped hydropower potential in the Illinois river basins.

Figure 6. Megawatts of HES-modeled undeveloped hydropower potential in the Illinois river basins.

DETAILED RESULTS

The appendices contain, in the form of HES-generated reports, detailed information about the undeveloped hydropower potential in Illinois. The appendices contain the following information:

Appendix A summarizes the undeveloped hydropower potential by dam status groups. The number of sites, nonmodeled undeveloped hydropower potential, and HES-modeled undeveloped hydropower potential is provided based on the dam status.

Appendix B provides the hydropower resource assessment by river basin, which includes the project number, project name, stream name, dam status, nonmodeled undeveloped hydropower potential, and the HES-modeled undeveloped hydropower potential for each of the individual sites. Subtotals are provided for each river basin.

Appendix C provides the hydropower resource assessment by FERC number, which includes the project numbers, plant name, stream name, if a site is Federally owned, nonmodeled undeveloped hydropower potential, and HES-modeled undeveloped hydropower potential. The sites are grouped by dam status.

Appendix D contains a resource database list for each of the 49 sites in Illinois. Information includes plant name, stream, state, county, river basin and owner names, project number, name plate and HES-modeled undeveloped hydropower potential, the unit and plant types, dam status, latitude, longitude, and the environmental factors that the HES uses to determine the project environmental suitability factor.

OBTAINING INDIVIDUAL STATE INFORMATION

Additional copies of the hydropower resource assessment results for individual states are available and can be obtained by writing or calling the authors or the National Technical Information Service (NTIS).

Telephone Orders—(703) 487-4650. NTIS sales desk and customer services are available between 8:30 a.m. and 5:00 p.m., EST.

Fax—(703) 321-8547. Customers may fax their orders to NTIS. These orders may be charged to a NTIS deposit account, American Express, VISA, or MasterCard.

Mail Orders—Mail orders should be sent to National Technical Information Service, Document Sales, 5285 Port Royal Road, Springfield, VA 22161. Call the sales desk for prices before placing an order.

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For Help in Tracing an Order—Call (703) 487-4650 and request the customer service option.

ADDITIONAL HYDROPOWER EVALUATION SOFTWARE INFORMATION

Additional information concerning the HES can be obtained by contacting Ben Rinehart or Jim Francfort at the addresses provided below. Copies of the software and the User's Manual may also be obtained from these individuals.

Ben Rinehart, Project Manager
Idaho National Engineering Laboratory
P.O. Box 1625, MS 3830
Idaho Falls, ID 83415-3830
(208) 526-1002

Jim Francfort
Idaho National Engineering Laboratory
P.O. Box 1625, MS 3830
Idaho Falls, ID 83415-3830
(208) 526-6787

Information concerning the State of Illinois' involvement with the resource assessment or about the identified sites may be obtained by contacting:

Robert Dalton
State of Illinois
Chief of the Downstate Regulatory Program
Division of Water Resources
Springfield, IL 62701
(217) 782-3863

REFERENCES

Conner, A. M., J. E. Francfort, and B. N. Rinehart, 1996, *Uniform Criteria for U.S. Hydropower Resource Assessment, Hydropower Evaluation Software Status Report-II*, DOE/ID 10430.1, Idaho National Engineering Laboratory, Idaho Falls, Idaho.

Francfort, J. E., S. D. Matthews, and B. N. Rinehart, 1991, *Hydropower Evaluation Software User's Manual*, DOE/ID-10338, Idaho National Engineering Laboratory, Idaho Falls, Idaho.

Appendix A

Summary Report

DATE: 12/06/96

H Y D R O P O W E R C A P A C I T Y S U M M A R Y

State	Category	Number of Projects	Name Plate Capacity (KW)	HES Adjusted Capacity (KW)
IL	With Power	9	80065	41395
	W/O Power	35	456677	241991.75
	Undeveloped	5	57600	17525
	STATE TOTAL	49	594342	300911.75
TOTALS	With Power	9	80065	41395
	W/O Power	35	456677	241991.75
	Undeveloped	5	57600	17525
GRAND TOTAL		49	594342	300911.75

Appendix B

River Basins Report

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** River Basin ILLINOIS RIVER BASIN					
IL008	CUSTER PARK KANKAKEE R	U	15000.00	0.25	3750.00
04031	STARVED ROCK L&D ILLINOIS R	W	7600.00	0.50	3800.00
IL003	DAYTON FOX R	W	630.00	0.50	315.00
08632	KANKAKEE KANKAKEE RIVER	W	2250.00	0.75	1687.50
02866	LOCKPORT SANITARY & SHIP CANAL	W	13500.00	0.50	6750.00
IL004	WEDRON FOX R	WO	8000.00	0.50	4000.00
11380	GENEVA FOX R	WO	1350.00	0.75	1012.50
02961	HOTEL BAKER FOX R	WO	143.00	0.75	107.25
11559	MARSEILLES L&D ILLINOIS R	WO	6840.00	0.50	3420.00
IL005	MARSEILLES ILLINOIS R	WO	2024.00	0.50	1012.00
IL006	MARSEILLES ILLINOIS R	WO	11000.00	0.50	5500.00
03943	DRESDEN ISLAND L&D ILLINOIS R	WO	10500.00	0.50	5250.00
03944	BRANDON ROAD L&D DES PLAINES R	WO	6100.00	0.50	3050.00
IL007	OLD STATE KANKAKEE R	WO	6600.00	0.90	5940.00
09828	WILMINGTON KANKAKEE R	WO	600.00	0.50	300.00
IL102	LAGRANGE ILLINOIS RIVER	WO	12160.00	0.75	9120.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
IL101	ELGIN, KIMBALL STREET FOX RIVER	WO	600.00	0.75	450.00
IL103	YORKVILLE FOX RIVER	WO	1400.00	0.50	700.00
IL104	LAKE DECATUR SANGAMON RIVER	WO	1160.00	0.75	870.00
IL107	PEORIA ILLINOIS RIVER	WO	8750.00	0.75	6562.50
IL109	LAKE SPRINGFIELD SUGAR CREEK	WO	2850.00	0.75	2137.50
11307	MARSEILLES HYDROELECTRIC ILLINOIS RIVER	WO	10600.00	0.50	5300.00
** Subtotal **			129657.00		71034.25
** River Basin KASKASKIA RIVER BASIN					
09256	KASKASKIA L&D KASKASKIA R	WO	3200.00	0.50	1600.00
11214	CARLYLE KASKASKIA R	WO	4000.00	0.50	2000.00
11567	SHELBYVILLE KASKASKIA R	WO	6100.00	0.50	3050.00
IL106	LAKE LOU YAEGER WEST FORK SHOAL CREEK	WO	740.00	0.75	555.00
** Subtotal **			14040.00		7205.00
** River Basin MERAMEC RIVER BASIN					
IL015	MISSISSIPPI L&D 27 MISSISSIPPI R	WO	15340.00	0.75	11505.00
** Subtotal **			15340.00		11505.00
** River Basin MINOR RIVER BASINS					
09051	REND LAKE DAM BIG MUDDY R	WO	1600.00	0.50	800.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **					
			1600.00		800.00
** River Basin MISSISSIPPI MAIN STEM					
IL014	MOLINE L&D 15 SYLVAN SLOUGH, MISS R	W	19680.00	0.50	9840.00
** Subtotal **					
			19680.00		9840.00
** River Basin MISSISSIPPI MAIN STREAM					
07105	MISSISSIPPI L&D 15 MISSISSIPPI RIVER	W	28000.00	0.50	14000.00
03862	MISSISSIPPI L&D 14 MISSISSIPPI R	WO	24000.00	0.50	12000.00
** Subtotal **					
			52000.00		26000.00
** River Basin MISSISSIPPI RIVER					
03246	MISSISSIPPI L&D 26R MISSISSIPPI RIVER	WO	119430.00	0.50	59715.00
** Subtotal **					
			119430.00		59715.00
** River Basin MISSISSIPPI RIVER BASIN					
11223	L&D 24 HYDROELECTRIC MISSISSIPPI RIVER	WO	50000.00	0.50	25000.00
11224	L&D 25 HYDROELECTRIC MISSISSIPPI RIVER	WO	50000.00	0.50	25000.00
** Subtotal **					
			100000.00		50000.00
** River Basin OHIO MAIN STREAM					
07647	BROOKPORT (L&D 52) OHIO R	WO	34500.00	0.50	17250.00
** Subtotal **					
			34500.00		17250.00
** River Basin ROCK RIVER BASIN					
IL009	BARSTOW ROCK R	U	12500.00	0.50	6250.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
IL011	GRAND DETOUR ROCK R	U	9300.00	0.25	2325.00
IL012	BYRON ROCK R	U	6800.00	0.25	1700.00
IL010	DIXON ROCK R	W	4735.00	0.50	2367.50
IL013	ROCKTON ROCK R	W	1670.00	0.50	835.00
07004	UPPER STERLING ROCK RIVER	W	2000.00	0.90	1800.00
11360	OREGON ROCK R	WO	1200.00	0.50	600.00
09829	FORDAM ROCK R	WO	600.00	0.90	540.00
IL108	SEARS ROCK RIVER	WO	4590.00	0.50	2295.00
** Subtotal **			43395.00		18712.50
** River Basin SALT RIVER BASIN					
08984	MISSISSIPPI L&D 22 MISSISSIPPI R	WO	10000.00	0.50	5000.00
09084	MISSISSIPPI L&D 20 MISSISSIPPI R	WO	30000.00	0.50	15000.00
** Subtotal **			40000.00		20000.00
** River Basin WABASH RIVER BASIN					
IL001	LINCOLN EMBARRASS R	U	14000.00	0.25	3500.00
IL002	DANVILLE VERMILION R	WO	10000.00	0.50	5000.00
10423	LAKE CHARLESTON LOWER EMBARRASS R	WO	700.00	0.50	350.00

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HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			24700.00		8850.00
*** Total ***			594342.00		300911.75

Appendix C
Illinois Sites List

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number IL001 LINCOLN EMBARRASS R	IL	U	14000.00	0.25	3500.00
** Subtotal **			14000.00		3500.00
** FERC Number IL008 CUSTER PARK KANKAKEE R	IL	U	15000.00	0.25	3750.00
** Subtotal **			15000.00		3750.00
** FERC Number IL009 BARSTOW ROCK R	IL	U	12500.00	0.50	6250.00
** Subtotal **			12500.00		6250.00
** FERC Number IL011 GRAND DETOUR ROCK R	IL	U	9300.00	0.25	2325.00
** Subtotal **			9300.00		2325.00
** FERC Number IL012 BYRON ROCK R	IL	U	6800.00	0.25	1700.00
** Subtotal **			6800.00		1700.00
** FERC Number 02866 LOCKPORT SANITARY & SHIP CANAL	IL	W	13500.00	0.50	6750.00
** Subtotal **			13500.00		6750.00
** FERC Number 04031 STARVED ROCK L&D ILLINOIS R	IL	W	7600.00	0.50	3800.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			7600.00		3800.00
** FERC Number 07004 UPPER STERLING ROCK RIVER	IL	W	2000.00	0.90	1800.00
** Subtotal **			2000.00		1800.00
** FERC Number 07105 MISSISSIPPI L&D 15 MISSISSIPPI RIVER	IL	W	28000.00	0.50	14000.00
** Subtotal **			28000.00		14000.00
** FERC Number 08632 KANKAKEE KANKAKEE RIVER	IL	W	2250.00	0.75	1687.50
** Subtotal **			2250.00		1687.50
** FERC Number IL003 DAYTON FOX R	IL	W	630.00	0.50	315.00
** Subtotal **			630.00		315.00
** FERC Number IL010 DIXON ROCK R	IL	W	4735.00	0.50	2367.50
** Subtotal **			4735.00		2367.50
** FERC Number IL013 ROCKTON ROCK R	IL	W	1670.00	0.50	835.00
** Subtotal **			1670.00		835.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number IL014 MOLINE L&D 15 SYLVAN SLOUGH, MISS R	IL	W	19680.00	0.50	9840.00
** Subtotal **			19680.00		9840.00
** FERC Number 02961 HOTEL BAKER FOX R	IL	WO	143.00	0.75	107.25
** Subtotal **			143.00		107.25
** FERC Number 03246 MISSISSIPPI L&D 26R MISSISSIPPI RIVER	IL	WO	119430.00	0.50	59715.00
** Subtotal **			119430.00		59715.00
** FERC Number 03862 MISSISSIPPI L&D 14 MISSISSIPPI R	IL	WO	24000.00	0.50	12000.00
** Subtotal **			24000.00		12000.00
** FERC Number 03943 DRESDEN ISLAND L&D ILLINOIS R	IL	WO	10500.00	0.50	5250.00
** Subtotal **			10500.00		5250.00
** FERC Number 03944 BRANDON ROAD L&D DES PLAINES R	IL	WO	6100.00	0.50	3050.00
** Subtotal **			6100.00		3050.00
** FERC Number 07647 BROOKPORT(L&D 52) OHIO R	IL	WO	34500.00	0.50	17250.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		34500.00	17250.00
** FERC Number 08984 MISSISSIPPI L&D 22 MISSISSIPPI R	IL WO	10000.00 0.50	5000.00
** Subtotal **		10000.00	5000.00
** FERC Number 09051 REND LAKE DAM BIG MUDDY R	IL WO	1600.00 0.50	800.00
** Subtotal **		1600.00	800.00
** FERC Number 09084 MISSISSIPPI L&D 20 MISSISSIPPI R	IL WO	30000.00 0.50	15000.00
** Subtotal **		30000.00	15000.00
** FERC Number 09256 KASKASKIA L&D KASKASKIA R	IL WO	3200.00 0.50	1600.00
** Subtotal **		3200.00	1600.00
** FERC Number 09828 WILMINGTON KANKAKEE R	IL WO	600.00 0.50	300.00
** Subtotal **		600.00	300.00
** FERC Number 09829 FORDAM ROCK R	IL WO	600.00 0.90	540.00
** Subtotal **		600.00	540.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 10423 LAKE CHARLESTON LOWER EMBARRASS R	IL	WO	700.00	0.50	350.00
** Subtotal **			700.00		350.00
** FERC Number 11214 CARLYLE KASKASKIA R	IL	WO	4000.00	0.50	2000.00
** Subtotal **			4000.00		2000.00
** FERC Number 11223 L&D 24 HYDROELECTRIC MISSISSIPPI RIVER	IL	WO	50000.00	0.50	25000.00
** Subtotal **			50000.00		25000.00
** FERC Number 11224 L&D 25 HYDROELECTRIC MISSISSIPPI RIVER	IL	WO	50000.00	0.50	25000.00
** Subtotal **			50000.00		25000.00
** FERC Number 11307 MARSEILLES HYDROELECTRIC ILLINOIS RIVER	IL	WO	10600.00	0.50	5300.00
** Subtotal **			10600.00		5300.00
** FERC Number 11360 OREGON ROCK R	IL	WO	1200.00	0.50	600.00
** Subtotal **			1200.00		600.00
** FERC Number 11380 GENEVA FOX R	IL	WO	1350.00	0.75	1012.50

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			1350.00		1012.50
** FERC Number 11559 MARSEILLES L&D ILLINOIS R	IL	WO	6840.00	0.50	3420.00
** Subtotal **			6840.00		3420.00
** FERC Number 11567 SHELBYVILLE KASKASKIA R	IL	WO	6100.00	0.50	3050.00
** Subtotal **			6100.00		3050.00
** FERC Number IL002 DANVILLE VERMILION R	IL	WO	10000.00	0.50	5000.00
** Subtotal **			10000.00		5000.00
** FERC Number IL004 WEDRON FOX R	IL	WO	8000.00	0.50	4000.00
** Subtotal **			8000.00		4000.00
** FERC Number IL005 MARSEILLES ILLINOIS R	IL	WO	2024.00	0.50	1012.00
** Subtotal **			2024.00		1012.00
** FERC Number IL006 MARSEILLES ILLINOIS R	IL	WO	11000.00	0.50	5500.00
** Subtotal **			11000.00		5500.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number IL007 OLD STATE KANKAKEE R	IL	WO	6600.00	0.90	5940.00
** Subtotal **			6600.00		5940.00
** FERC Number IL015 MISSISSIPPI L&D 27 MISSISSIPPI R	IL	WO	15340.00	0.75	11505.00
** Subtotal **			15340.00		11505.00
** FERC Number IL101 ELGIN, KIMBALL STREET FOX RIVER	IL	WO	600.00	0.75	450.00
** Subtotal **			600.00		450.00
** FERC Number IL102 LAGRANGE ILLINOIS RIVER	IL	WO	12160.00	0.75	9120.00
** Subtotal **			12160.00		9120.00
** FERC Number IL103 YORKVILLE FOX RIVER	IL	WO	1400.00	0.50	700.00
** Subtotal **			1400.00		700.00
** FERC Number IL104 LAKE DECATUR SANGAMON RIVER	IL	WO	1160.00	0.75	870.00
** Subtotal **			1160.00		870.00
** FERC Number IL106 LAKE LOU YAEGER WEST FORK SHOAL CREEK	IL	WO	740.00	0.75	555.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **		740.00		555.00
** FERC Number IL107 PEORIA ILLINOIS RIVER	IL WO	8750.00	0.75	6562.50
** Subtotal **		8750.00		6562.50
** FERC Number IL108 SEARS ROCK RIVER	IL WO	4590.00	0.50	2295.00
** Subtotal **		4590.00		2295.00
** FERC Number IL109 LAKE SPRINGFIELD SUGAR CREEK	IL WO	2850.00	0.75	2137.50
** Subtotal **		2850.00		2137.50
*** Total ***		594342.00		300911.75

Appendix D
Individual Resource Database List

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FERC Number	Plant Name	Stream	State Name
02866	LOCKPORT	SANITARY & SHIP CANAL	IL

County Name	River Basin
WILL	ILLINOIS RIVER BASIN

Class	Owner Name
M	METRO WATER RECLAM DIST OF CHICAGO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
13500.00	0.50	6750.00	59130.00	29565

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4134.00 8805.00
	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife Y		0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
02961	HOTEL BAKER	FOX R	IL

County Name	River Basin
KANE	ILLINOIS RIVER BASIN

Class	Owner Name
I	HOTEL BAKER

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
143.00	0.75	107.25	1200.00	900

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
	ROR	XX	WO	4155.00	8819.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
03246	MISSISSIPPI L&D 26R	MISSISSIPPI RIVER	IL

County Name	River Basin
MADISON	MISSISSIPPI RIVER

Class	Owner Name
M	ALTON, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
119430.00	0.50	59715.00	523100.00	261550

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3852.00 9008.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
03862	MISSISSIPPI L&D 14	MISSISSIPPI R	IL

County Name	River Basin
ROCK ISLAND	MISSISSIPPI MAIN STREAM

Class	Owner Name
M	LECLAIRE, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
24000.00	0.50	12000.00	156000.00	78000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4134.00 9024.00
	ROR	MA	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
03943	DRESDEN ISLAND L&D	ILLINOIS R	IL

County Name	River Basin
GRUNDY	ILLINOIS RIVER BASIN

Class	Owner Name
M	CHANNAHON, VILLAGE OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
10500.00	0.50	5250.00	40200.00	20100

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4124.00 8817.00
	ROR	MO	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
03944	BRANDON ROAD L&D	DES PLAINES R	IL

County Name	River Basin
WILL	ILLINOIS RIVER BASIN

Class	Owner Name
M	ROCKDALE, VILLAGE OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6100.00	0.50	3050.00	21300.00	10650

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4131.00 8806.00
	ROR	MO	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name		
04031	STARVED ROCK L&D	ILLINOIS R	IL		
County Name	River Basin				
LA SALLE	ILLINOIS RIVER BASIN				
Class	Owner Name				
M	PERU, CITY OF				
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)	
7600.00	0.50	3800.00	50330.00	25165	
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4119.00 8859.00
	ROR	MO	W		
Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
07004	UPPER STERLING	ROCK RIVER	IL

County Name	River Basin
WHITESIDE	ROCK RIVER BASIN

Class	Owner Name
M	CITY OF ROCK FALLS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.90	1800.00	8760.00	7884

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4147.00 8941.00
	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
07105	MISSISSIPPI L&D 15	MISSISSIPPI RIVER	IL

County Name	River Basin
ROCK ISLAND	MISSISSIPPI MAIN STREAM

Class	Owner Name
P	DAVENPORT HYDRO ASSOCIATES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
28000.00	0.50	14000.00	170000.00	85000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4131.00	Longitude	9032.00
	ROR		W				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
07647	BROOKPORT (L&D 52)	OHIO R	IL

County Name	River Basin
MASSAC	OHIO MAIN STREAM

Class	Owner Name
R	BROOKPORT ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
34500.00	0.50	17250.00	302000.00	151000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3707.00	Longitude	8839.00
	ROR	XX	WO				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
08632	KANKAKEE	KANKAKEE RIVER	IL

County Name	River Basin
KANKAKEE	ILLINOIS RIVER BASIN

Class	Owner Name
M	KANKAKEE, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2250.00	0.75	1687.50	9850.00	7387.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
				4107.00	8752.00
	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location	0.90		Threatened/Endangered Wildlife		0.90
Cultural Value	0.90		Federal Land Code 103		0.90
Fish Presence Value	0.90		Federal Land Code 104		0.90
Geologic Value	0.90		Federal Land Code 105		0.90
Historic Value	0.90		Federal Land Code 106		0.90
Other Value	0.90		Federal Land Code 107		0.90
Recreation Value	0.90		Federal Land Code 108		0.90
Scenic Value	0.90		Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
08984	MISSISSIPPI L&D 22	MISSISSIPPI R	IL

County Name	River Basin
PIKE	SALT RIVER BASIN

Class	Owner Name
R	HANNIBAL ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
10000.00	0.50	5000.00	65000.00	32500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3938.00 9115.00
	ROR	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09051	REND LAKE DAM	BIG MUDDY R	IL

County Name	River Basin
FRANKLIN	MINOR RIVER BASINS

Class	Owner Name
R	BENTON ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1600.00	0.50	800.00	5000.00	2500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3802.00 8858.00
	ROR	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09084	MISSISSIPPI L&D 20	MISSISSIPPI R	IL

County Name	River Basin
ADAMS	SALT RIVER BASIN

Class	Owner Name
R	CANTON ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
30000.00	0.50	15000.00	79000.00	39500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4309.00 9131.00
	ROR	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105	Y	0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09256	KASKASKIA L&D	KASKASKIA R	IL

County Name	River Basin
RANDOLPH	KASKASKIA RIVER BASIN

Class	Owner Name
R	RANDOLPH HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3200.00	0.50	1600.00	10300.00	5150

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3759.00	Longitude	8957.00
	ROR	XX	WO				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09828	WILMINGTON	KANKAKEE R	IL

County Name	River Basin
WILL	ILLINOIS RIVER BASIN

Class	Owner Name
R	COLLINS, THOMAS J

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
600.00	0.50	300.00	3800.00	1900

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4118.00 8809.00
	ROR	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09829	FORDAM	ROCK R	IL

County Name	River Basin
WINNEBAGO	ROCK RIVER BASIN

Class	Owner Name
R	COLLINS, THOMAS J

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
600.00	0.90	540.00	4000.00	3600

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
	ROR	XX	WO	4216.00	8906.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
10423	LAKE CHARLESTON LOWER	EMBARRASS R	IL

County Name	River Basin
COLES	WABASH RIVER BASIN

Class	Owner Name
M	CHARLESTON, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
700.00	0.50	350.00	2800.00	1400

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3927.00	Longitude	8809.00
	ROR	XX	WO				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.75
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11214	CARLYLE	KASKASKIA R	IL

County Name	River Basin
CLINTON	KASKASKIA RIVER BASIN

Class	Owner Name
C	SOUTHWESTERN ELEC COOP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.50	2000.00	26293.00	13146.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3837.00 8921.00
	ROR	PO	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.75
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11223	L&D 24 HYDROELECTRIC	MISSISSIPPI RIVER	IL

County Name	River Basin
CALHOUN	MISSISSIPPI RIVER BASIN

Class	Owner Name
P	L&D 24 HYDRO ASSOCIATES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
50000.00	0.50	25000.00	245000.00	122500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3923.00 9054.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife Y		0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11224	L&D 25 HYDROELECTRIC	MISSISSIPPI RIVER	IL

County Name	River Basin
CALHOUN	MISSISSIPPI RIVER BASIN

Class	Owner Name
P	L&D 25 HYDRO ASSOCIATES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
50000.00	0.50	25000.00	246000.00	123000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3900.00	Longitude	9041.00
	ROR		WO				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11307	MARSEILLES HYDROELECTRIC	ILLINOIS RIVER	IL

County Name	River Basin
LASALLE	ILLINOIS RIVER BASIN

Class	Owner Name
M	MARSEILLES, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
10600.00	0.50	5300.00	60000.00	30000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4119.00 8843.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11360	OREGON	ROCK R	IL

County Name	River Basin
OGLE	ROCK RIVER BASIN

Class	Owner Name
R	THOMAS J. COLLINS & ANDREW R. BLYSTRA

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1200.00	0.50	600.00	10000.00	5000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4201.00
				Longitude	8920.00
	ROR	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11380	GENEVA	FOX R	IL

County Name	River Basin
KANE	ILLINOIS RIVER BASIN

Class	Owner Name
R	SHO-DEEN, INCNG

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1350.00	0.75	1012.50	6200.00	4650

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4157.00 8815.00
	ROR	PA	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11559	MARSEILLES L&D	ILLINOIS R	IL

County Name	River Basin
LA SALLE	ILLINOIS RIVER BASIN

Class	Owner Name
M	OGLESBY, TOWN OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6840.00	0.50	3420.00	48000.00	24000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4119.00	Longitude	8843.00
		ROR	PO				WO

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11567	SHELBYVILLE	KASKASKIA R	IL

County Name	River Basin
SHELBY	KASKASKIA RIVER BASIN

Class	Owner Name
M	SHELBY ELECTRIC CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6100.00	0.50	3050.00	21200.00	10600

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3924.00 8847.00
	ROR	PO	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL001	LINCOLN	EMBARRASS R	IL
County Name		River Basin	
CUMBERLAND		WABASH RIVER BASIN	
Class		Owner Name	
NHPS/COE			
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
14000.00	0.25	3500.00	25200.00
		PESF Annual Energy Rating (MWh)	
		6300	
Unit Type	Plant Type	Project Status	Dam Status
	STG		U
Latitude	3922.00	Longitude	8811.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or			Threatened/Endangered Fish	Y	0.50
Upstream/Downstream			Threatened/Endangered Wildlife		0.90
Wild/Scenic Location		0.90	Federal Land Code 103		0.90
Cultural Value		0.90	Federal Land Code 104		0.90
Fish Presence Value		0.90	Federal Land Code 105		0.90
Geologic Value		0.90	Federal Land Code 106		0.90
Historic Value		0.90	Federal Land Code 107		0.90
Other Value	Y	0.50	Federal Land Code 108		0.90
Recreation Value	Y	0.25	Federal Land Code 198		0.90
Scenic Value		0.90			

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FERC Number	Plant Name	Stream	State Name
IL002	DANVILLE	VERMILION R	IL

County Name	River Basin
VERMILION	WABASH RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
10000.00	0.50	5000.00	25000.00	12500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4009.00 8739.00
	STG		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection	Y	0.50	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL003	DAYTON	FOX R	IL

County Name	River Basin
LA SALLE	ILLINOIS RIVER BASIN

Class	Owner Name
P	HYDRO-OP ONE ASSOCIATES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
630.00	0.50	315.00	7240.00	3620

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4123.00 8848.00
	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL004	WEDRON	FOX R	IL

County Name	River Basin
LA SALLE	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
8000.00	0.50	4000.00	48000.00	24000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4125.00 8846.00
	STG		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL005	MARSEILLES	ILLINOIS R	IL

County Name	River Basin
LA SALLE	ILLINOIS RIVER BASIN

Class	Owner Name
P	ILLINOIS POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2024.00	0.50	1012.00	16000.00	8000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4119.00	Longitude	8843.00
	ROR		WO				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL006	MARSEILLES	ILLINOIS R	IL

County Name	River Basin
LA SALLE	ILLINOIS RIVER BASIN

Class	Owner Name
F	CORPS OF ENGINEERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
11000.00	0.50	5500.00	60000.00	30000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4119.00 8843.00
		DIV	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104	Y	0.75
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL007	OLD STATE	KANKAKEE R	IL

County Name	River Basin
WILL	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6600.00	0.90	5940.00	31000.00	27900

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4120.00 8807.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location	0.90		Threatened/Endangered Wildlife		0.90
Cultural Value	0.90		Federal Land Code 103		0.90
Fish Presence Value	0.90		Federal Land Code 104		0.90
Geologic Value	0.90		Federal Land Code 105		0.90
Historic Value	0.90		Federal Land Code 106		0.90
Other Value	0.90		Federal Land Code 107		0.90
Recreation Value	0.90		Federal Land Code 108		0.90
Scenic Value	0.90		Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL008	CUSTER PARK	KANKAKEE R	IL

County Name	River Basin
WILL	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15000.00	0.25	3750.00	85000.00	21250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4115.00 8807.00
	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.50
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.50	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL009	BARSTOW	ROCK R	IL

County Name	River Basin
ROCK ISLAND	ROCK RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
12500.00	0.50	6250.00	61000.00	30500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4132.00 9015.00
	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.50	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL010	DIXON	ROCK R	IL

County Name	River Basin
LEE	ROCK RIVER BASIN

Class	Owner Name
P	STS HYDROPOWER LTD.

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4735.00	0.50	2367.50	12400.00	6200

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4151.00 8929.00
	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL011	GRAND DETOUR	ROCK R	IL

County Name	River Basin
LEE	ROCK RIVER BASIN

Class	Owner Name
F	CORPS OF ENGINEERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9300.00	0.25	2325.00	52000.00	13000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4154.00	Longitude	8927.00
	ROR		U				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or			Threatened/Endangered Fish		0.90
Upstream/Downstream			Threatened/Endangered Wildlife		0.90
Wild/Scenic Location		0.90	Federal Land Code 103		0.90
Cultural Value		0.90	Federal Land Code 104		0.90
Fish Presence Value		0.90	Federal Land Code 105		0.90
Geologic Value		0.90	Federal Land Code 106		0.90
Historic Value		0.90	Federal Land Code 107		0.90
Other Value	Y	0.50	Federal Land Code 108		0.90
Recreation Value	Y	0.25	Federal Land Code 198		0.90
Scenic Value		0.90			

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FERC Number	Plant Name	Stream	State Name
IL012	BYRON	ROCK R	IL

County Name	River Basin
OGLE	ROCK RIVER BASIN

Class	Owner Name
F	CORPS OF ENGINEERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6800.00	0.25	1700.00	37000.00	9250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4210.00 8917.00
	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife Y		0.50
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.50	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name		Stream		State Name
IL013	ROCKTON		ROCK R		IL
	County Name		River Basin		
	WINNEBAGO		ROCK RIVER BASIN		
	Class		Owner Name		
	P		WISCONSIN POWER & LIGHT CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)	
1670.00	0.50	835.00	5730.00	2865	
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4228.00 8905.00
	ROR		W		
Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife Y		0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL014	MOLINE L&D 15	SYLVAN SLOUGH, MISS R	IL

County Name	River Basin
ROCK ISLAND	MISSISSIPPI MAIN STEM

Class	Owner Name
P	IOWA ILL G & E CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
19680.00	0.50	9840.00	154820.00	77410

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4131.00 9032.00
	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL015	MISSISSIPPI L&D 27	MISSISSIPPI R	IL

County Name	River Basin
MADISON	MERAMEC RIVER BASIN

Class	Owner Name
F	CORPS OF ENGINEERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15340.00	0.75	11505.00	89940.00	67455

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3848.00 9012.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL101	ELGIN, KIMBALL STREET	FOX RIVER	IL

County Name	River Basin
KANE	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
600.00	0.75	450.00	2630.00	1972.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4203.00 8817.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL102	LAGRANGE	ILLINOIS RIVER	IL

County Name	River Basin
BROWN	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
12160.00	0.75	9120.00	53260.00	39945

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3957.00 9032.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL103	YORKVILLE	FOX RIVER	IL

County Name	River Basin
KENDALL	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1400.00	0.50	700.00	6130.00	3065

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
				4138.00	8826.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL104	LAKE DECATUR	SANGAMON RIVER	IL

County Name	River Basin
MACON	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1160.00	0.75	870.00	5080.00	3810

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3945.00 8858.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL106	LAKE LOU YAEGER	WEST FORK SHOAL CREEK	IL

County Name	River Basin
MONTGOMERY	KASKASKIA RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
740.00	0.75	555.00	3240.00	2430

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3911.00 8936.00
	STG		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL107	PEORIA	ILLINOIS RIVER	IL

County Name	River Basin
PEORIA	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
8750.00	0.75	6562.50	38320.00	28740

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4038.00 8938.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL108	SEARS	ROCK RIVER	IL

County Name	River Basin
ROCK ISLAND	ROCK RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4590.00	0.50	2295.00	20100.00	10050

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4135.00 9028.00
	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	Y	0.75
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
IL109	LAKE SPRINGFIELD	SUGAR CREEK	IL

County Name	River Basin
SANGAMON	ILLINOIS RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2850.00	0.75	2137.50	12480.00	9360

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3946.00 8936.00
	STG		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90