U.S. Hydropower Resource Assessment for South Carolina

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ABSTRACT

The U.S. Department of Energy is developing an estimate of the undeveloped hydropower potential in the United States. To assist in providing this estimate, the Idaho National Engineering Laboratory^a developed the Hydropower Evaluation Software (HES) computer model. 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 South Carolina.

a. In January 1997, the name of the Idaho National Engineering Laboratory (INEL) was changed to the Idaho National Engineering and Environmental Laboratory (INEEL). INEEL will be used throughout the text of the document, except where use of INEL is historically important.

ACKNOWLEDGMENTS

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U.S. Hydropower Resource Assessment for South Carolina

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 40 states. This report presents the results of the hydropower resource assessment for the State of South Carolina. 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 negative 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 indi-

vidual site capacities range from 12.5 kilowatts (kW) to 125 megawatts (MW). The majority of the sites (65%) have potential capacities of greater than 1 MW (Figure 1).

The nonmodeled undeveloped hydropower potential total for South Carolina was identified as 1,133 MW. The HES results lower this estimate about 58% to 480 MW. The greatest reduction in undeveloped hydropower potential, by MW, occurs at sites with no current power generation capability nor impoundment or diversion structure in place (Undeveloped category). The unadjusted potential for these sites is 273 MW, and the HES-modeled capacity is 33 MW, an 88% reduction in the estimated undeveloped hydropower potential (Figure 2). Figure 3 shows that the developed sites with power have the smallest HES-modeled average capacity per site (1.7 MW), and the developed sites without power have the highest HES-modeled average capacity per site (14.3 MW). Figures 4 and 5 show examples of two sites with undeveloped hydropower potential in South Carolina.

The 49 identified sites are located within 3 major river basins. The number of sites per major river basin range from 2 in the Yadkin-Pee Dee River Basin to 41 in the Santee River Basin (Figure 6). The Santee River Basin has the most undeveloped hydropower potential (453 MW) of the South Carolina river basins (Figure 7). It should be noted that the Santee River Basin reports to having only four sites to develop to obtain 69% (313 MW) of its undeveloped hydropower capacity.

Table 1. Undeveloped hydropower potential summary for South Carolina. The table contains the non-modeled undeveloped nameplate potential and the HES-modeled undeveloped hydropower potential totals.

	Nameplate potential		HES-modeled potential
	Number of projects	(MW)	(MW)
With Power	2	5.9	3.3
W/O Power	31	854.6	444.2
Undeveloped	16	272.7	32.8
State Total	49	1,133.2	480.3

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 W. C. Bowen Lake Dam reservoir, located on the South Fork of the Pacolet River, is one of the water sources for Spartanburg, South Carolina.

Figure 5. The Prestwood Lake Dam, in Darlington County, provides process water for the Sonoco Products plant in Hartsville, South Carolina. The plant is pictured in the background.

Figure 6. Number of sites with undeveloped hydropower potential in the South Carolina river basins.

Figure 7. Megawatts of HES-modeled undeveloped hydropower potential in the South Carolina river basins.

DETAILED RESULTS

The appendices contain, in the form of HES-generated reports, detailed information about the undeveloped hydropower potential in South Carolina. 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-mod-

eled 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 South Carolina. Information includes plant name, stream, state, county, river basin and owner names, project number, nameplate 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.

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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 and Environmental Laboratory
P.O. Box 1625, MS 3830
Idaho Falls, ID 83415-3830
(208) 526-1002

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

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

George D. Ballentine, Ph.D., P.E.
Manager, Dams & Reservoirs Safety Section
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201-1708
(803) 734-9119

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: 04/28/97

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

<u>State</u>	<u>Category</u>	<u>Number of Projects</u>	<u>Name Plate Capacity (KW)</u>	<u>HES Adjusted Capacity (KW)</u>
SC	With Power	2	5860	3290
	W/O Power	31	854595	444234.30
	Undeveloped	16	272695	32789.50
	STATE TOTAL	49	1133150	480313.80
TOTALS	With Power	2	5860	3290
	W/O Power	31	854595	444234.30
	Undeveloped	16	272695	32789.50
GRAND TOTAL		49	1133150	480313.80

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 SANTEE RIVER BASIN					
SC027	SANTEE-COOPER SANTEE R	U	68400.00	0.10	6840.00
08920	SUGAR CREEK CATAWBA R	U	19500.00	0.10	1950.00
SC005	CONGAREE L&D 1 CONGAREE R	U	21500.00	0.10	2150.00
SC006	CONGAREE L&D 2 CONGAREE R	U	9340.00	0.10	934.00
SC007	CONGAREE L&D 3 CONGAREE R	U	19500.00	0.10	1950.00
08921	FROST SHOALS BROAD R	U	40000.00	0.10	4000.00
SC031	TROUGH PACOLET R	U	6900.00	0.90	6210.00
SC034	W C BOWEN LAKE S FK PACOLET R	U	1550.00	0.10	155.00
06845	HOPEWELL BROAD R	U	8680.00	0.10	868.00
03726	LOWER SALUDA RIVER SALUDA R	U	20000.00	0.10	2000.00
SC032	UPPER WARE SHOALS SALUDA R	U	20220.00	0.10	2022.00
SC030	THE FORKS SALUDA R	U	18300.00	0.10	1830.00
SC025	RABON CREEK RABON CR, SALUDA R	U	300.00	0.10	30.00
01894	PARR SHOALS BROAD R	W	4960.00	0.50	2480.00
08185	CLIFTON 3 PACOLET R	W	900.00	0.90	810.00
SC019	LAKE WATEREE WATEREE R	WO	26350.00	0.50	13175.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
SC026	ROCKY CREEK CATAWBA R	WO	20800.00	0.50	10400.00
SC009	FISHING CREEK CATAWBA R	WO	27700.00	0.50	13850.00
SC008	COURTNEY ISLAND CATAWBA R	WO	50600.00	0.50	25300.00
SC001	BLAIR BROAD R	WO	109000.00	0.50	54500.00
SC033	VAN PATTON ENOREE R	WO	3470.00	0.50	1735.00
SC003	BURNT FACTORY TYGER R	WO	9480.00	0.50	4740.00
07354	FAIRMONT MIDDLE TYGER R	WO	350.00	0.50	175.00
SC024	PRINT CRASH MIDDLE TYGER R	WO	1100.00	0.50	550.00
08129	LAKE ROBINSON S TYGER R	WO	248.00	0.50	124.00
SC022	NEAL SHOALS BROAD R	WO	8320.00	0.50	4160.00
SC020	LOCKHART (GREATER) BROAD R	WO	150000.00	0.50	75000.00
SC014	GREATER LOCKHART 3 BROAD R	WO	250000.00	0.50	125000.00
SC023	PACOLET SC PACOLET R	WO	2790.00	0.90	2511.00
10881	WHITNEY MILLS LAWSON FK, PACOLET R	WO	225.00	0.90	202.50
07087	STARTEX M TYGER R	WO	250.00	0.50	125.00
SC013	GREATER CHEROKEE BROAD R	WO	14950.00	0.50	7475.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
SC012	GR GASTON SHOALS BROAD R	WO	115820.00	0.50	57910.00
SC011	GASTON SHOALS BROAD R	WO	7210.00	0.50	3605.00
SC004	BUZZARDS ROOST SALUDA R	WO	14300.00	0.50	7150.00
SC002	BOYDS MILL REEDY R	WO	3540.00	0.90	3186.00
SC010	FORK SHOALS DAM REEDY R	WO	2030.00	0.90	1827.00
03172	CONESTEE DAM REEDY R	WO	400.00	0.90	360.00
SC016	HOLIDAYS SALUDA R	WO	4840.00	0.90	4356.00
09508	PIEDMONT II SALUDA R	WO	900.00	0.90	810.00
10022	BLALOCK PACOLET R	WO	2085.00	0.50	1042.50
** Subtotal **			1086808.00		453498.00
** River Basin SAVANNAH RIVER BASIN					
SC021	LOWER WHITEWATER WHITEWATER R	U	16700.00	0.10	1670.00
SC028	SIXMILE SIXMILE CR, KEONEE R	U	125.00	0.10	12.50
11451	HORSE CREEK HORSE CR	WO	220.00	0.50	110.00
SC029	STEVENS CREEK SAVANNAH R	WO	23800.00	0.90	21420.00
SC017	LA FRANCE TWENTY THREE MILE CR	WO	99.00	0.90	89.10
08145	THOMPSON RIVER THOMPSON R	WO	3400.00	0.90	3060.00

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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 **			44344.00		26361.60
** River Basin YADKIN-PEE DEE RIVER BASIN					
SC018	LAKE ROBINSON BLACK CR	U	1680.00	0.10	168.00
SC015	HARTSVILLE BLACK CR, PEE DEE R	WO	318.00	0.90	286.20
** Subtotal **			1998.00		454.20
*** Total ***			1133150.00		480313.80

Appendix C
South Carolina Sites List

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 03726 LOWER SALUDA RIVER SALUDA R	SC	U	20000.00	0.10	2000.00
** Subtotal **			20000.00		2000.00
** FERC Number 06845 HOPEWELL BROAD R	SC	U	8680.00	0.10	868.00
** Subtotal **			8680.00		868.00
** FERC Number 08920 SUGAR CREEK CATAWBA R	SC	U	19500.00	0.10	1950.00
** Subtotal **			19500.00		1950.00
** FERC Number 08921 FROST SHOALS BROAD R	SC	U	40000.00	0.10	4000.00
** Subtotal **			40000.00		4000.00
** FERC Number SC005 CONGAREE L&D 1 CONGAREE R	SC	U	21500.00	0.10	2150.00
** Subtotal **			21500.00		2150.00
** FERC Number SC006 CONGAREE L&D 2 CONGAREE R	SC	U	9340.00	0.10	934.00
** Subtotal **			9340.00		934.00
** FERC Number SC007 CONGAREE L&D 3 CONGAREE R	SC	U	19500.00	0.10	1950.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			19500.00		1950.00
** FERC Number SC018 LAKE ROBINSON BLACK CR	SC	U	1680.00	0.10	168.00
** Subtotal **			1680.00		168.00
** FERC Number SC021 LOWER WHITEWATER WHITEWATER R	SC	U	16700.00	0.10	1670.00
** Subtotal **			16700.00		1670.00
** FERC Number SC025 RABON CREEK RABON CR,SALUDA R	SC	U	300.00	0.10	30.00
** Subtotal **			300.00		30.00
** FERC Number SC027 SANTEE-COOPER SANTEE R	SC	U	68400.00	0.10	6840.00
** Subtotal **			68400.00		6840.00
** FERC Number SC028 SIXMILE SIXMILE CR,KEONEE R	SC	U	125.00	0.10	12.50
** Subtotal **			125.00		12.50
** FERC Number SC030 THE FORKS SALUDA R	SC	U	18300.00	0.10	1830.00
** Subtotal **			18300.00		1830.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number SC031 TROUGH PACOLET R	SC	U	6900.00	0.90	6210.00
** Subtotal **			6900.00		6210.00
** FERC Number SC032 UPPER WARE SHOALS SALUDA R	SC	U	20220.00	0.10	2022.00
** Subtotal **			20220.00		2022.00
** FERC Number SC034 W C BOWEN LAKE S FK PACOLET R	SC	U	1550.00	0.10	155.00
** Subtotal **			1550.00		155.00
** FERC Number 01894 PARR SHOALS BROAD R	SC	W	4960.00	0.50	2480.00
** Subtotal **			4960.00		2480.00
** FERC Number 08185 CLIFTON 3 PACOLET R	SC	W	900.00	0.90	810.00
** Subtotal **			900.00		810.00
** FERC Number 03172 CONESTEE DAM REEDY R	SC	WO	400.00	0.90	360.00
** Subtotal **			400.00		360.00
** FERC Number 07087 STARTEX M TYGER R	SC	WO	250.00	0.50	125.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			250.00		125.00
** FERC Number 07354 FAIRMONT MIDDLE TYGER R	SC	WO	350.00	0.50	175.00
** Subtotal **			350.00		175.00
** FERC Number 08129 LAKE ROBINSON S TYGER R	SC	WO	248.00	0.50	124.00
** Subtotal **			248.00		124.00
** FERC Number 08145 THOMPSON RIVER THOMPSON R	SC	WO	3400.00	0.90	3060.00
** Subtotal **			3400.00		3060.00
** FERC Number 09508 PIEDMONT II SALUDA R	SC	WO	900.00	0.90	810.00
** Subtotal **			900.00		810.00
** FERC Number 10022 BLALOCK PACOLET R	SC	WO	2085.00	0.50	1042.50
** Subtotal **			2085.00		1042.50
** FERC Number 10881 WHITNEY MILLS LAWSON FK, PACOLET R	SC	WO	225.00	0.90	202.50
** Subtotal **			225.00		202.50

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 11451					
HORSE CREEK	SC	WO	220.00	0.50	110.00
HORSE CR					
** Subtotal **			220.00		110.00
** FERC Number SC001					
BLAIR	SC	WO	109000.00	0.50	54500.00
BROAD R					
** Subtotal **			109000.00		54500.00
** FERC Number SC002					
BOYDS MILL	SC	WO	3540.00	0.90	3186.00
REEDY R					
** Subtotal **			3540.00		3186.00
** FERC Number SC003					
BURNT FACTORY	SC	WO	9480.00	0.50	4740.00
TYGER R					
** Subtotal **			9480.00		4740.00
** FERC Number SC004					
BUZZARDS ROOST	SC	WO	14300.00	0.50	7150.00
SALUDA R					
** Subtotal **			14300.00		7150.00
** FERC Number SC008					
COURTNEY ISLAND	SC	WO	50600.00	0.50	25300.00
CATAWBA R					
** Subtotal **			50600.00		25300.00
** FERC Number SC009					
FISHING CREEK	SC	WO	27700.00	0.50	13850.00
CATAWBA R					

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **		27700.00		13850.00
** FERC Number SC010 FORK SHOALS DAM REEDY R	SC WO	2030.00	0.90	1827.00
** Subtotal **		2030.00		1827.00
** FERC Number SC011 GASTON SHOALS BROAD R	SC WO	7210.00	0.50	3605.00
** Subtotal **		7210.00		3605.00
** FERC Number SC012 GR GASTON SHOALS BROAD R	SC WO	115820.00	0.50	57910.00
** Subtotal **		115820.00		57910.00
** FERC Number SC013 GREATER CHEROKEE BROAD R	SC WO	14950.00	0.50	7475.00
** Subtotal **		14950.00		7475.00
** FERC Number SC014 GREATER LOCKHART 3 BROAD R	SC WO	250000.00	0.50	125000.00
** Subtotal **		250000.00		125000.00
** FERC Number SC015 HARTSVILLE BLACK CR, PEE DEE R	SC WO	318.00	0.90	286.20
** Subtotal **		318.00		286.20

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number SC016 HOLIDAYS SALUDA R	SC	WO	4840.00 0.90	4356.00
** Subtotal **			4840.00	4356.00
** FERC Number SC017 LA FRANCE TWENTY THREE MILE CR	SC	WO	99.00 0.90	89.10
** Subtotal **			99.00	89.10
** FERC Number SC019 LAKE WATEREE WATEREE R	SC	WO	26350.00 0.50	13175.00
** Subtotal **			26350.00	13175.00
** FERC Number SC020 LOCKHART(GREATER) BROAD R	SC	WO	150000.00 0.50	75000.00
** Subtotal **			150000.00	75000.00
** FERC Number SC022 NEAL SHOALS BROAD R	SC	WO	8320.00 0.50	4160.00
** Subtotal **			8320.00	4160.00
** FERC Number SC023 PACOLET SC PACOLET R	SC	WO	2790.00 0.90	2511.00
** Subtotal **			2790.00	2511.00
** FERC Number SC024 PRINT CRASH MIDDLE TYGER R	SC	WO	1100.00 0.50	550.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **			
		1100.00	550.00
** FERC Number SC026			
ROCKY CREEK	SC WO	20800.00 0.50	10400.00
CATAWBA R			
** Subtotal **			
		20800.00	10400.00
** FERC Number SC029			
STEVENS CREEK	SC WO	23800.00 0.90	21420.00
SAVANNAH R			
** Subtotal **			
		23800.00	21420.00
** FERC Number SC033			
VAN PATTON	SC WO	3470.00 0.50	1735.00
ENOREE R			
** Subtotal **			
		3470.00	1735.00
*** Total ***			
		1133150.00	480313.80

Appendix D
Individual Resource Database List

RESOURCE DATABASE LISTING

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FERC Number	Plant Name	Stream	State Name
01894	PARR SHOALS	BROAD R	SC

County Name	River Basin
NEWBERRY	SANTEE RIVER BASIN

Class	Owner Name
P	SOUTH CAROLINA ELEC & GAS CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4960.00	0.50	2480.00	14000.00	7000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3416.00
C	STG	MO	W	Longitude	8120.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife	N	0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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	Y	0.90

R E S O U R C E D A T A B A S E L I S T I N G

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FERC Number	Plant Name	Stream	State Name
03172	CONESTEE DAM	REEDY R	SC

County Name	River Basin
GREENVILLE	SANTEE RIVER BASIN

Class	Owner Name
R	J & B ASSOCIATES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
400.00	0.90	360.00	2000.00	1800

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3446.20
C	ROR	XX	WO	Longitude	8221.00

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
03726	LOWER SALUDA RIVER	SALUDA R	SC

County Name	River Basin
RICHLAND	SANTEE RIVER BASIN

Class	Owner Name
P	SOUTH CAROLINA ELEC & GAS CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
20000.00	0.10	2000.00	57800.00	5780

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3401.00	Longitude	8105.00
C	ROR	XX	U				

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

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FERC Number	Plant Name	Stream	State Name
06845	HOPEWELL	BROAD R	SC

County Name	River Basin
CHEROKEE	SANTEE RIVER BASIN

Class	Owner Name
R	HOPEWELL POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
8680.00	0.10	868.00	45900.00	4590

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3510.00
C	STG	XX	U	Longitude	8137.00

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

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FERC Number	Plant Name	Stream	State Name
07087	STARTEX	M TYGER R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
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R	SOUTHERN HYDRO SYSTEMS INC
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
250.00	0.50	125.00	1000.00	500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3456.00 8206.00
C	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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104	Y	0.75
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
07354	FAIRMONT	MIDDLE TYGER R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
R	SOUTHERN HYDRO SYSTEMS INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
350.00	0.50	175.00	2100.00	1050

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3454.30
C	ROR	XX	WO	Longitude	8203.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104	Y	0.75
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
08129	LAKE ROBINSON	S TYGER R	SC

County Name	River Basin
GREENVILLE	SANTEE RIVER BASIN

Class	Owner Name
M	GREER,CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
248.00	0.50	124.00	1087.00	543.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3459.00
C	ROR	XX	WO	Longitude	8218.00

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		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	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		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
08145	THOMPSON RIVER	THOMPSON R	SC

County Name	River Basin
OCONEE	SAVANNAH RIVER BASIN

Class		Owner Name		
R		SOUTHEASTERN HYDRO POWER INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3400.00	0.90	3060.00	15000.00	13500
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3458.00 8256.00

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
08185	CLIFTON 3	PACOLET R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
R	BLUESTONE ENERGY DESIGN INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
900.00	0.90	810.00	3085.00	2776.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3459.60
C	ROR	LE	W	Longitude	8150.00

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
08920	SUGAR CREEK	CATAWBA R	SC

County Name	River Basin
YORK	SANTEE RIVER BASIN

Class		Owner Name		
R		INDEPENDENCE ELEC CORP		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
19500.00	0.10	1950.00	67000.00	6700
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	U	3457.00 8053.00

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

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FERC Number	Plant Name	Stream	State Name
08921	FROST SHOALS	BROAD R	SC

County Name	River Basin
RICHLAND	SANTEE RIVER BASIN

Class	Owner Name
R	INDEPENDENCE ELEC CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
40000.00	0.10	4000.00	178000.00	17800

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3406.00
C	ROR	XX	U	Longitude	8107.00

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

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FERC Number	Plant Name	Stream	State Name
09508	PIEDMONT II	SALUDA R	SC

County Name	River Basin
ANDERSON	SANTEE RIVER BASIN

Class		Owner Name		
R		AQUENERGY SYSTEMS INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
900.00	0.90	810.00	2800.00	2520
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3442.00 8227.90

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
10022	BLALOCK	PACOLET R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
M	SPARTANBURG, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2085.00	0.50	1042.50	9300.00	4650

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3503.20
C	STG	XX	WO	Longitude	8152.00

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	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		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
10881	WHITNEY MILLS	LAWSON FK,PACOLET R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
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R	EVANS,DANIEL N
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
225.00	0.90	202.50	826.00	743.40

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3459.00
C	ROR	XX	WO	Longitude	8156.00

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
11451	HORSE CREEK	HORSE CR	SC

County Name	River Basin
AIKEN	SAVANNAH RIVER BASIN

Class		Owner Name		
I		FALL LINE HYDRO CO, INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
220.00	0.50	110.00	1157.00	578.50
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	PO	WO	3331.40 8150.75

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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC001	BLAIR	BROAD R	SC

County Name	River Basin
NEWBERRY	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
109000.00	0.50	54500.00	235000.00	117500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3424.00
C	STG		WO	Longitude	8124.00

Factor	Exist	Prob	Factor	Exist	Prob
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Wild/Scenic Protection		0.90	Wildlife Value	Y	0.75
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC002	BOYDS MILL	REEDY R	SC

County Name	River Basin
LAURENS	SANTEE RIVER BASIN

Class		Owner Name	
P		DUKE POWER CO	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
3540.00	0.90	3186.00	3330.00
			PESF Annual Energy Rating (MWh)
			2997

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3427.00
C	ROR		WO	Longitude	8212.00

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
SC003	BURNT FACTORY	TYGER R	SC

County Name	River Basin
UNION	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9480.00	0.50	4740.00	26800.00	13400

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3442.00
C	STG		WO	Longitude	8150.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104	Y	0.75
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC004	BUZZARDS ROOST	SALUDA R	SC

County Name	River Basin
GREENWOOD	SANTEE RIVER BASIN

Class	Owner Name
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M	GREENWOOD, COUNTY OF
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
14300.00	0.50	7150.00	1930.00	965

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3410.30	Longitude	8154.50
C	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	Y	0.75	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	Y	0.75	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

R E S O U R C E D A T A B A S E L I S T I N G

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FERC Number	Plant Name	Stream	State Name
SC005	CONGAREE L&D 1	CONGAREE R	SC

County Name	River Basin
RICHLAND	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
21500.00	0.10	2150.00	90100.00	9010

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3345.00
C	ROR		U	Longitude	8038.50

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection	Y	0.10	Wildlife Value	Y	0.25
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.50	Federal Land Code 103	Y	0.10
Fish Presence Value	Y	0.25	Federal Land Code 104		0.90
Geologic Value	Y	0.50	Federal Land Code 105		0.90
Historic Value	Y	0.50	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC006	CONGAREE L&D 2	CONGAREE R	SC

County Name	River Basin
RICHLAND	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9340.00	0.10	934.00	62700.00	6270

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3346.00
C	ROR		U	Longitude	8047.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection	Y	0.10	Wildlife Value	Y	0.25
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.50	Federal Land Code 103	Y	0.10
Fish Presence Value	Y	0.25	Federal Land Code 104		0.90
Geologic Value	Y	0.50	Federal Land Code 105		0.90
Historic Value	Y	0.50	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC007	CONGAREE L&D 3	CONGAREE R	SC

County Name	River Basin
RICHLAND	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
19500.00	0.10	1950.00	82000.00	8200

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3350.00
C	ROR		U	Longitude	8055.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection	Y	0.10	Wildlife Value	Y	0.25
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.50	Federal Land Code 103	Y	0.10
Fish Presence Value	Y	0.25	Federal Land Code 104		0.90
Geologic Value	Y	0.50	Federal Land Code 105		0.90
Historic Value	Y	0.50	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC008	COURTNEY ISLAND	CATAWBA R	SC

County Name	River Basin
LANCASTER	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
50600.00	0.50	25300.00	164000.00	82000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3443.00
C	STG		WO	Longitude	8052.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC009	FISHING CREEK	CATAWBA R	SC

County Name	River Basin
LANCASTER	SANTEE RIVER BASIN

Class	Owner Name
P	DUKE POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
27700.00	0.50	13850.00	25900.00	12950

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3436.00
C	STG		WO	Longitude	8053.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC010	FORK SHOALS DAM	REEDY R	SC

County Name	River Basin
GREENVILLE	SANTEE RIVER BASIN

Class	Owner Name
I	VIRGINIA MANUF CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2030.00	0.90	1827.00	5280.00	4752

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3437.00
C	ROR		WO	Longitude	8218.00

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
SC011	GASTON SHOALS	BROAD R	SC

County Name	River Basin
CHEROKEE	SANTEE RIVER BASIN

Class	Owner Name
P	DUKE POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
7210.00	0.50	3605.00	3700.00	1850

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3508.50	Longitude	8136.00
C	STG		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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC012	GR GASTON SHOALS	BROAD R	SC

County Name	River Basin
CHEROKEE	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
115820.00	0.50	57910.00	177860.00	88930

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3506.00 8134.00
C	STG		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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC013	GREATER CHEROKEE	BROAD R	SC

County Name	River Basin
CHEROKEE	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
14950.00	0.50	7475.00	47810.00	23905

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3504.00
C	STG		WO	Longitude	8134.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC014	GREATER LOCKHART 3	BROAD R	SC

County Name	River Basin
CHESTER	SANTEE RIVER BASIN

Class	Owner Name
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-FPC-ARO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
250000.00	0.50	125000.00	281000.00	140500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3448.00
C	CMB		WO	Longitude	8127.50

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC015	HARTSVILLE	BLACK CR, PEE DEE R	SC

County Name	River Basin
DARLINGTON	YADKIN-PEE DEE RIVER BASIN

Class		Owner Name		
I		SONOCO PRODUCTS CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
318.00	0.90	286.20	800.00	720
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR		WO	3423.50 8004.00

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
SC016	HOLIDAYS	SALUDA R	SC

County Name	River Basin
ANDERSON	SANTEE RIVER BASIN

Class	Owner Name
P	DUKE POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4840.00	0.90	4356.00	2960.00	2664

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3431.70
C	DIV		WO	Longitude	8222.60

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
SC017	LA FRANCE	TWENTY THREE MILE CR	SC

County Name	River Basin
ANDERSON	SAVANNAH RIVER BASIN

Class	Owner Name
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I	RIEGEL TEXTILE CORP
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
99.00	0.90	89.10	286.00	257.40

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3436.70
C	ROR		WO	Longitude	8245.60

Factor	Exist	Prob	Factor	Exist	Prob
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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
SC018	LAKE ROBINSON	BLACK CR	SC

County Name	River Basin
DARLINGTON	YADKIN-PEE DEE RIVER BASIN

Class	Owner Name
P	CAROLINA POWER AND LT CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1680.00	0.10	168.00	4860.00	486

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3424.00
C	STG		U	Longitude	8009.00

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	Y	0.25	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	0.25	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
SC019	LAKE WATEREE	WATEREE R	SC

County Name	River Basin
KERSHAW	SANTEE RIVER BASIN

Class	Owner Name
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P	DUKE POWER CO
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
26350.00	0.50	13175.00	16200.00	8100

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3420.00	Longitude	8042.00
C	STG		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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC020	LOCKHART(GREATER)	BROAD R	SC

County Name	River Basin
YORK	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
150000.00	0.50	75000.00	233000.00	116500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3447.80
C	STG		WO	Longitude	8127.70

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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC021	LOWER WHITEWATER	WHITEWATER R	SC

County Name	River Basin
OCONEE	SAVANNAH RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
16700.00	0.10	1670.00	30780.00	3078

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3501.00 8259.50
C	STG		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	Y	0.50	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.50	Federal Land Code 103		0.90
Fish Presence Value	Y	0.25	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	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC022	NEAL SHOALS	BROAD R	SC

County Name	River Basin
CHESTER	SANTEE RIVER BASIN

Class	Owner Name
P	SOUTH CAROLINA ELEC & GAS CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
8320.00	0.50	4160.00	10700.00	5350

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3440.00	Longitude	8126.80
C	STG		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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC023	PACOLET SC	PACOLET R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class		Owner Name		
I		PACOLET INDUSTRIES INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2790.00	0.90	2511.00	4370.00	3933
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR		WO	3455.00 8144.00

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
SC024	PRINT CRASH	MIDDLE TYGER R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
I	SPARTAN MILLS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1100.00	0.50	550.00	3180.00	1590

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3456.00
C	ROR		WO	Longitude	8206.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.75
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	Y	0.75	Federal Land Code 104	Y	0.75
Fish Presence Value	Y	0.75	Federal Land Code 105		0.90
Geologic Value	Y	0.90	Federal Land Code 106		0.90
Historic Value	Y	0.75	Federal Land Code 107		0.90
Other Value		0.90	Federal Land Code 108		0.90
Recreation Value	Y	0.75	Federal Land Code 198		0.90
Scenic Value	Y	0.90			

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FERC Number	Plant Name	Stream	State Name
SC025	RABON CREEK	RABON CR,SALUDA R	SC

County Name	River Basin
LAURENS	SANTEE RIVER BASIN

Class	Owner Name
M	LAURENS CO WTR RESOURCES COMM

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
300.00	0.10	30.00	1740.00	174

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3428.50	Longitude	8208.70
C	ROR		U				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.25
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	Y	0.25	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	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC026	ROCKY CREEK	CATAWBA R	SC

County Name	River Basin
FAIRFIELD	SANTEE RIVER BASIN

Class		Owner Name		
P		DUKE POWER CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
20800.00	0.50	10400.00	22500.00	11250
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	STG		WO	3432.00 8052.00

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		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	Y	0.75	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		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
SC027	SANTEE-COOPER	SANTEE R	SC

County Name	River Basin
BERKELEY	SANTEE RIVER BASIN

Class	Owner Name
M	SOUTH CAROLINA PUBLIC SERVICE AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
68400.00	0.10	6840.00	87000.00	8700

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3329.00
C	STG		U	Longitude	8010.00

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

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FERC Number	Plant Name	Stream	State Name
SC028	SIXMILE	SIXMILE CR, KEONEE R	SC

County Name	River Basin
PICKENS	SAVANNAH RIVER BASIN

Class	Owner Name
R	PETRONE, FRANK

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
125.00	0.10	12.50	1095.00	109.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3444.00	Longitude	8251.80
C	ROR		U				

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

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FERC Number	Plant Name	Stream	State Name
SC029	STEVENS CREEK	SAVANNAH R	SC

County Name	River Basin
EDGEFIELD	SAVANNAH RIVER BASIN

Class		Owner Name		
P		SOUTH CAROLINA ELEC & GAS CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
23800.00	0.90	21420.00	32835.00	29551.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3337.00
C	STG		WO	Longitude	8203.00

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
SC030	THE FORKS	SALUDA R	SC

County Name	River Basin
GREENVILLE	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
18300.00	0.10	1830.00	37000.00	3700

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3455.00	Longitude	8231.00
C	STG		U				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.25
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value	Y	0.50	Federal Land Code 105		0.90
Historic Value	Y	0.50	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC031	TROUGH	PACOLET R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6900.00	0.90	6210.00	18400.00	16560

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3455.00
C	STG		U	Longitude	8145.00

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
SC032	UPPER WARE SHOALS	SALUDA R	SC

County Name	River Basin
ABBEVILLE	SANTEE RIVER BASIN

Class	Owner Name
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NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
20220.00	0.10	2022.00	34370.00	3437

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3426.00
C	STG		U	Longitude	8216.00

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.25
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value	Y	0.50	Federal Land Code 105		0.90
Historic Value	Y	0.50	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
SC033	VAN PATTON	ENOREE R	SC

County Name	River Basin
LAURENS	SANTEE RIVER BASIN

Class	Owner Name
P	DUKE POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3470.00	0.50	1735.00	7820.00	3910

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3445.00
C	STG		WO	Longitude	8206.00

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		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104	Y	0.75
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	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
SC034	W C BOWEN LAKE	S FK PACOLET R	SC

County Name	River Basin
SPARTANBURG	SANTEE RIVER BASIN

Class	Owner Name
M	SPARTANBURG, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1550.00	0.10	155.00	4030.00	403

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3506.50	Longitude	8201.00
C	STG		U				

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