U.S. Hydropower Resource Assessment for North 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. The Hydropower Evaluation Software (HES) is a computer model that was developed by the Idaho National Engineering Laboratory^a 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 North 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 the use of INEL is historically important.

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U.S. Hydropower Resource Assessment for North 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 inter-agency 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 North 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 depend 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 93 sites (Table 1) have been identified and assessed for their undeveloped hydropower potential. The HES results for individual site capacities range from 1 kilowatt

(kW) to 76 megawatts (MW). The majority, or 77%, of the HES-modeled sites in North Carolina are less than 5 MW each (Figure 1).

The nonmodeled undeveloped hydropower potential total for North Carolina was identified as 1,458 MW. The HES results lowers this estimate about 65% to 508 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 [U]). These sites have an HES-modeled undeveloped hydropower potential of 125 MW, an 85% or 723-MW reduction in the estimated undeveloped hydropower potential (Figure 2). Figure 3 correlates the number of sites that have undeveloped hydropower potential with the total megawatts of HES-modeled undeveloped hydropower potential.

The 93 identified sites are located within eight major river basins. The number of sites per river basin ranges from 1 in the Kanawha River Basin to 30 in the Cape Fear River Basin (Figure 4). The Yadkin-Pee Dee River Basin has the most undeveloped hydropower potential (233 MW) of the North Carolina river basins. Forty-six percent of the HES-modeled undeveloped hydropower potential in the State of North Carolina is contained within the Yadkin-Pee Dee River Basin (Figure 5).

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

	Number of projects	Nameplate potential (MW)	HES-modeled potential (MW)
With Power	6	16.2	14.3
W/O Power	57	594.2	369.0
Undeveloped	30	847.9	124.5
State Total	93	1,458.3	507.8

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. Number of sites with undeveloped hydropower potential in the North Carolina river basins.

Figure 5. Megawatts of HES-modeled undeveloped hydropower potential in the North Carolina river basins.

Detailed Results

The appendices contain, in the form of HES-generated reports, detailed information about the undeveloped hydropower potential in North 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-modeled undeveloped hydropower potential for each site. Subtotals are provided for each river basin.

Appendix C lists 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 the 93 sites in North 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 PESF.

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., Eastern Standard Time.

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.

E-mail—Customers may e-mail their requests to info@ntis.fedworld.gov.

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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.

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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: 08/26/97

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

State	Category	Number of Projects	Name Plate Capacity (KW)	HES Adjusted Capacity (KW)
NC	With Power	6	16178	14306.20
	W/O Power	57	594176	369010.10
	Undeveloped	30	847902	124494.20
	STATE TOTAL	93	1458256	507810.50
TOTALS	With Power	6	16178	14306.20
	W/O Power	57	594176	369010.10
	Undeveloped	30	847902	124494.20
GRAND TOTAL		93	1458256	507810.50

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 CAPE FEAR RIVER BASIN					
NC014	GLENDON DEEP R	U	27500.00	0.10	2750.00
NC017	HIGH FALLS DEEP R	U	25200.00	0.10	2520.00
NC034	SMILEY FALLS CAPE FEAR R	U	49000.00	0.10	4900.00
NC035	SMILEY FALLS REREG CAPE FEAR R	U	20000.00	0.10	2000.00
06222	WM O HUSKE L&D 3 CAPE FEAR R	U	4000.00	0.50	2000.00
06619	RAEFORD ROCKFISH CR, CAPE FEAR R	W	300.00	0.50	150.00
07404	GLENCOE MILL HAW R	W	310.00	0.50	155.00
07783	CEDAR FALLS DEEP R	W	178.00	0.90	160.20
NC008	BYNUM HAW R	WO	17300.00	0.90	15570.00
NC009	CAROLINA COTTON MILL HAW R	WO	100.00	0.50	50.00
NC010	CHATHAM ROLLER MILL HAW R	WO	3190.00	0.90	2871.00
NC013	GLENCOE MILL HAW R	WO	170.00	0.50	85.00
NC019	HOLT GRANITE HAW R	WO	770.00	0.50	385.00
NC020	HOPEDALE MILL HAW R	WO	180.00	0.50	90.00
NC021	HOWARDS MILL LAKE DEEP R	WO	7130.00	0.50	3565.00
NC025	MANDALE HAW R	WO	23400.00	0.90	21060.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
NC027	MOORES MILL HAW R	WO	15700.00	0.90	14130.00
NC030	MT PLEASANT LOWER LITTLE R	WO	1000.00	0.50	500.00
NC042	VIRGINIA COTTON MILL HAW R	WO	1040.00	0.50	520.00
03163	RANDOLPH MILLS DAM 2 DEEP R	WO	144.00	0.90	129.60
09433	HOPE MILLS 2 BIG ROCKFISH CR, CAPE FEAR R	WO	1400.00	0.50	700.00
09959	COLTRANE MILL DEEP R	WO	90.00	0.90	81.00
10083	BUCKHORN CAPE FEAR R	WO	3000.00	0.50	1500.00
10378	SWEPSONVILLE HAW R	WO	750.00	0.50	375.00
10660A	CAPE FEAR L&D 1 CAPE FEAR R	WO	4000.00	0.75	3000.00
10660B	CAPE FEAR L&D 2 CAPE FEAR R	WO	4000.00	0.75	3000.00
10660C	CAPE FEAR L&D 3 CAPE FEAR R	WO	4000.00	0.75	3000.00
11260	HOPE MILLS 1 L ROCKFISH CR, CAPE FEAR R	WO	650.00	0.50	325.00
11392	RAMSEUR DEEP R	WO	300.00	0.90	270.00
11437	B EVERETT JORDAN HAW R	WO	5000.00	0.75	3750.00
** Subtotal **			219802.00		89591.80
** River Basin KANAWHA RIVER BASIN					
06322	SHARPE FALLS N FK NEW R	W	25.00	0.50	12.50

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **					
			25.00		12.50
** River Basin PAMLICO-NEUSE RIVER BASINS					
NC026	MILBURNIE NEUSE R	U	9500.00	0.10	950.00
NC036	SMITHFIELD NEUSE R	U	9000.00	0.10	900.00
NC038	SPRING HOPE 2 TAR R	U	4000.00	0.10	400.00
NC044	WHITE OAK 1 FISHING CR,TAR R	U	2000.00	0.10	200.00
NC045	WILSON MILLS NEUSE R	U	8500.00	0.10	850.00
10474	LAKE MICHIE FLAT R,NEUSE R	WO	1120.00	0.90	1008.00
11052	TAR RIVER TAR R	WO	1900.00	0.50	950.00
11432	FALLS LAKE NEUSE R	WO	5000.00	0.50	2500.00
** Subtotal **					
			41020.00		7758.00
** River Basin ROANOKE RIVER BASIN					
NC003	BELEWS LAKE BELEWS CR,DAN R	U	2350.00	0.10	235.00
NC004	BIG CREEK BIG CREEK,DAN R	U	50.00	0.10	5.00
NC022	LAKE HYCO DAM HYCO R	U	1270.00	0.90	1143.00
NC039	STONEVILLE MAYO R	U	3990.00	0.10	399.00
NC043	WALNUT COVE DAN R	U	10500.00	0.10	1050.00
08288	JEPKO DAN RIVER 1 DAN R	U	240.00	0.10	24.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
NC037	SPRAY SMITH R	WO	4710.00	0.50	2355.00
11079	OLD WASHINGTON MILLS MAYO R	WO	720.00	0.50	360.00
11169	AVALON MAYO R	WO	1275.00	0.50	637.50
11219	MAYO DAM MAYO R	WO	952.00	0.50	476.00
** Subtotal **			26057.00		6684.50
** River Basin SANTEE RIVER BASIN					
NC001	BAT CAVE BROAD R	U	5700.00	0.90	5130.00
NC006	BOILING SPRINGS BROAD R	U	33300.00	0.90	29970.00
09617	HAMPY CREEK HAMPY CR, ROCK CR, GREEN R	U	30.00	0.90	27.00
02232	RHODHISS CATAWBA R	W	14845.00	0.90	13360.50
06492	HARDINS S FK CATAWBA R	W	520.00	0.90	468.00
NC016	HENRY RIVER HENRY FORK	WO	90.00	0.50	45.00
NC023	LAWNDALE FIRST BROAD R	WO	1530.00	0.90	1377.00
NC024	LOOKOUT SHOALS CATAWBA R	WO	8650.00	0.90	7785.00
NC028	MORGANTON CATAWBA R	WO	40600.00	0.90	36540.00
03570	DALLAS LAKE S FK CATAWBA R	WO	200.00	0.90	180.00
03722	MASSEY LOWER LITTLE R	WO	200.00	0.90	180.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
06095	MASSEY ICARD UPPER LITTLE R	WO	500.00	0.90	450.00
07894	GUNPOWDER 2 GUNPOWDER CR, CATAWBA R	WO	125.00	0.90	112.50
08071	LOWER HUNGRY HUNGRY R, GREEN R	WO	95.00	0.90	85.50
08072	UPPER HUNGRY HUNGRY R, GREEN R	WO	100.00	0.90	90.00
09794	JOHN HENRY MOSS BUFFALO CR, BROAD R	WO	1100.00	0.90	990.00
09810	GUNPOWDER 1 GUNPOWDER CR, CATAWBA R	WO	500.00	0.90	450.00
10812	HENRIETTA MILLS SECOND BROAD R	WO	815.00	0.90	733.50
** Subtotal **			108900.00		97974.00
** River Basin SAVANNAH RIVER BASIN					
NC041	UPPER WHITEWATER WHITEWATER R	U	7330.00	0.90	6597.00
08146	WHITEWATER RIVER WHITEWATER R	WO	4000.00	0.90	3600.00
** Subtotal **			11330.00		10197.00
** River Basin TENNESSEE RIVER BASIN					
NC002	BEECH CREEK WATAUGA R	U	55780.00	0.10	5578.00
NC007	BRUSH CREEK FRENCH BROAD R	U	159000.00	0.10	15900.00
NC011	COWART CANEEY FORK, TUCKASEGEE R	U	13100.00	0.10	1310.00
NC012	ELK SHOAL CANE R	U	10000.00	0.10	1000.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
NC031	NEEDMORE LITTLE TENNESSEE R	U	43800.00	0.10	4380.00
NC032	NEWFOUND CREEK FRENCH BROAD R	U	125000.00	0.10	12500.00
NC033	PINE CREEK FRENCH BROAD R	U	208000.00	0.10	20800.00
07351	LEDBETTER CREEK LEDBETTER CR,NANTAHALA R	U	2000.00	0.10	200.00
09253	CHEROKEE GALAMORE BR,RAVEN FK,NANTAHALA	U	12.00	0.10	1.20
10873	CULLASAJA CULLASAJA R	WO	900.00	0.90	810.00
** Subtotal **			617592.00		62479.20
** River Basin YADKIN-PEE DEE RIVER BASIN					
06838	MOUNT GILEAD PEE DEE R	U	7750.00	0.10	775.00
NC005	BLEWETT FALLS PEE DEE R	WO	34300.00	0.50	17150.00
NC015	GREATER BLEWETT FALLS MCCOY CR,PEE DEE R	WO	151000.00	0.50	75500.00
NC018	HIGH ROCK YADKIN R	WO	25000.00	0.50	12500.00
NC029	MORVEN PEE DEE R	WO	47100.00	0.50	23550.00
NC040	UPPER DONNAHA YADKIN R	WO	90500.00	0.50	45250.00
NC046	YADKIN FALLS DAM YADKIN R	WO	16900.00	0.90	15210.00
NC047	YADKIN NARROWS YADKIN R	WO	28410.00	0.90	25569.00
06847	LILESVILLE PEE DEE R	WO	18240.00	0.50	9120.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
06879	W KERR SCOTT YADKIN R	WO	4850.00	0.75	3637.50
07902	REDDIES RIVER REDDIES R	WO	230.00	0.90	207.00
08119	SHERRILL HYDRO S YADKIN R	WO	50.00	0.90	45.00
08923	NORVEN PEE DEE R	WO	7800.00	0.50	3900.00
11264	COOLEEMEE S YADKIN R	WO	1400.00	0.50	700.00
** Subtotal **			433530.00		233113.50
*** Total ***			1458256.00		507810.50

Appendix C

North Carolina Sites List

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 06222 WM O HUSKE L&D 3 CAPE FEAR R	NC	U	4000.00	0.50	2000.00
** Subtotal **			4000.00		2000.00
** FERC Number 06838 MOUNT GILEAD PEE DEE R	NC	U	7750.00	0.10	775.00
** Subtotal **			7750.00		775.00
** FERC Number 07351 LEDBETTER CREEK LEDBETTER CR,NANTAHALA R	NC	U	2000.00	0.10	200.00
** Subtotal **			2000.00		200.00
** FERC Number 08288 JEPKO DAN RIVER 1 DAN R	NC	U	240.00	0.10	24.00
** Subtotal **			240.00		24.00
** FERC Number 09253 CHEROKEE GALAMORE BR,RAVEN FK,NANTAHALA	NC	U	12.00	0.10	1.20
** Subtotal **			12.00		1.20
** FERC Number 09617 HAMPY CREEK HAMPY CR,ROCK CR,GREEN R	NC	U	30.00	0.90	27.00
** Subtotal **			30.00		27.00
** FERC Number NC001 BAT CAVE BROAD R	NC	U	5700.00	0.90	5130.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		5700.00	5130.00
** FERC Number NC002 BEECH CREEK WATAUGA R	NC U	55780.00 0.10	5578.00
** Subtotal **		55780.00	5578.00
** FERC Number NC003 BELEWS LAKE BELEWS CR,DAN R	NC U	2350.00 0.10	235.00
** Subtotal **		2350.00	235.00
** FERC Number NC004 BIG CREEK BIG CREEK,DAN R	NC U	50.00 0.10	5.00
** Subtotal **		50.00	5.00
** FERC Number NC006 BOILING SPRINGS BROAD R	NC U	33300.00 0.90	29970.00
** Subtotal **		33300.00	29970.00
** FERC Number NC007 BRUSH CREEK FRENCH BROAD R	NC U	159000.00 0.10	15900.00
** Subtotal **		159000.00	15900.00
** FERC Number NC011 COWART CANEEY FORK,TUCKASEGEE R	NC U	13100.00 0.10	1310.00
** Subtotal **		13100.00	1310.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number NC012 ELK SHOAL CANE R	NC	U	10000.00	0.10	1000.00
** Subtotal **			10000.00		1000.00
** FERC Number NC014 GLENDON DEEP R	NC	U	27500.00	0.10	2750.00
** Subtotal **			27500.00		2750.00
** FERC Number NC017 HIGH FALLS DEEP R	NC	U	25200.00	0.10	2520.00
** Subtotal **			25200.00		2520.00
** FERC Number NC022 LAKE HYCO DAM HYCO R	NC	U	1270.00	0.90	1143.00
** Subtotal **			1270.00		1143.00
** FERC Number NC026 MILBURNIE NEUSE R	NC	U	9500.00	0.10	950.00
** Subtotal **			9500.00		950.00
** FERC Number NC031 NEEDMORE LITTLE TENNESSEE R	NC	U	43800.00	0.10	4380.00
** Subtotal **			43800.00		4380.00
** FERC Number NC032 NEWFOUND CREEK FRENCH BROAD R	NC	U	125000.00	0.10	12500.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		125000.00	12500.00
** FERC Number NC033 PINE CREEK FRENCH BROAD R	NC U	208000.00 0.10	20800.00
** Subtotal **		208000.00	20800.00
** FERC Number NC034 SMILEY FALLS CAPE FEAR R	NC U	49000.00 0.10	4900.00
** Subtotal **		49000.00	4900.00
** FERC Number NC035 SMILEY FALLS REREG CAPE FEAR R	NC U	20000.00 0.10	2000.00
** Subtotal **		20000.00	2000.00
** FERC Number NC036 SMITHFIELD NEUSE R	NC U	9000.00 0.10	900.00
** Subtotal **		9000.00	900.00
** FERC Number NC038 SPRING HOPE 2 TAR R	NC U	4000.00 0.10	400.00
** Subtotal **		4000.00	400.00
** FERC Number NC039 STONEVILLE MAYO R	NC U	3990.00 0.10	399.00
** Subtotal **		3990.00	399.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number NC041 UPPER WHITEWATER WHITEWATER R	NC U	7330.00 0.90	6597.00
** Subtotal **		7330.00	6597.00
** FERC Number NC043 WALNUT COVE DAN R	NC U	10500.00 0.10	1050.00
** Subtotal **		10500.00	1050.00
** FERC Number NC044 WHITE OAK 1 FISHING CR, TAR R	NC U	2000.00 0.10	200.00
** Subtotal **		2000.00	200.00
** FERC Number NC045 WILSON MILLS NEUSE R	NC U	8500.00 0.10	850.00
** Subtotal **		8500.00	850.00
** FERC Number 02232 RHODHISS CATAWBA R	NC W	14845.00 0.90	13360.50
** Subtotal **		14845.00	13360.50
** FERC Number 06322 SHARPE FALLS N FK NEW R	NC W	25.00 0.50	12.50
** Subtotal **		25.00	12.50
** FERC Number 06492 HARDINS S FK CATAWBA R	NC W	520.00 0.90	468.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		520.00	468.00
** FERC Number 06619 RAEFORD ROCKFISH CR, CAPE FEAR R	NC W	300.00 0.50	150.00
** Subtotal **		300.00	150.00
** FERC Number 07404 GLENCOE MILL HAW R	NC W	310.00 0.50	155.00
** Subtotal **		310.00	155.00
** FERC Number 07783 CEDAR FALLS DEEP R	NC W	178.00 0.90	160.20
** Subtotal **		178.00	160.20
** FERC Number 03163 RANDOLPH MILLS DAM 2 DEEP R	NC WO	144.00 0.90	129.60
** Subtotal **		144.00	129.60
** FERC Number 03570 DALLAS LAKE S FK CATAWBA R	NC WO	200.00 0.90	180.00
** Subtotal **		200.00	180.00
** FERC Number 03722 MASSEY LOWER LITTLE R	NC WO	200.00 0.90	180.00
** Subtotal **		200.00	180.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 06095 MASSEY ICARD UPPER LITTLE R	NC	WO	500.00	0.90	450.00
** Subtotal **			500.00		450.00
** FERC Number 06847 LILESVILLE PEE DEE R	NC	WO	18240.00	0.50	9120.00
** Subtotal **			18240.00		9120.00
** FERC Number 06879 W KERR SCOTT YADKIN R	NC	WO	4850.00	0.75	3637.50
** Subtotal **			4850.00		3637.50
** FERC Number 07894 GUNPOWDER 2 GUNPOWDER CR, CATAWBA R	NC	WO	125.00	0.90	112.50
** Subtotal **			125.00		112.50
** FERC Number 07902 REDDIES RIVER REDDIES R	NC	WO	230.00	0.90	207.00
** Subtotal **			230.00		207.00
** FERC Number 08071 LOWER HUNGRY HUNGRY R, GREEN R	NC	WO	95.00	0.90	85.50
** Subtotal **			95.00		85.50
** FERC Number 08072 UPPER HUNGRY HUNGRY R, GREEN R	NC	WO	100.00	0.90	90.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		100.00	90.00
** FERC Number 08119 SHERRILL HYDRO S YADKIN R	NC WO	50.00 0.90	45.00
** Subtotal **		50.00	45.00
** FERC Number 08146 WHITEWATER RIVER WHITEWATER R	NC WO	4000.00 0.90	3600.00
** Subtotal **		4000.00	3600.00
** FERC Number 08923 NORVEN PEE DEE R	NC WO	7800.00 0.50	3900.00
** Subtotal **		7800.00	3900.00
** FERC Number 09433 HOPE MILLS 2 BIG ROCKFISH CR, CAPE FEAR R	NC WO	1400.00 0.50	700.00
** Subtotal **		1400.00	700.00
** FERC Number 09794 JOHN HENRY MOSS BUFFALO CR, BROAD R	NC WO	1100.00 0.90	990.00
** Subtotal **		1100.00	990.00
** FERC Number 09810 GUNPOWDER 1 GUNPOWDER CR, CATAWBA R	NC WO	500.00 0.90	450.00
** Subtotal **		500.00	450.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 09959 COLTRANE MILL DEEP R	NC	WO	90.00	0.90	81.00
** Subtotal **			90.00		81.00
** FERC Number 10083 BUCKHORN CAPE FEAR R	NC	WO	3000.00	0.50	1500.00
** Subtotal **			3000.00		1500.00
** FERC Number 10378 SWEPSONVILLE HAW R	NC	WO	750.00	0.50	375.00
** Subtotal **			750.00		375.00
** FERC Number 10474 LAKE MICHIE FLAT R, NEUSE R	NC	WO	1120.00	0.90	1008.00
** Subtotal **			1120.00		1008.00
** FERC Number 10660A CAPE FEAR L&D 1 CAPE FEAR R	NC	WO	4000.00	0.75	3000.00
** Subtotal **			4000.00		3000.00
** FERC Number 10660B CAPE FEAR L&D 2 CAPE FEAR R	NC	WO	4000.00	0.75	3000.00
** Subtotal **			4000.00		3000.00
** FERC Number 10660C CAPE FEAR L&D 3 CAPE FEAR R	NC	WO	4000.00	0.75	3000.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			4000.00		3000.00
** FERC Number 10812 HENRIETTA MILLS SECOND BROAD R	NC	WO	815.00	0.90	733.50
** Subtotal **			815.00		733.50
** FERC Number 10873 CULLASAJA CULLASAJA R	NC	WO	900.00	0.90	810.00
** Subtotal **			900.00		810.00
** FERC Number 11052 TAR RIVER TAR R	NC	WO	1900.00	0.50	950.00
** Subtotal **			1900.00		950.00
** FERC Number 11079 OLD WASHINGTON MILLS MAYO R	NC	WO	720.00	0.50	360.00
** Subtotal **			720.00		360.00
** FERC Number 11169 AVALON MAYO R	NC	WO	1275.00	0.50	637.50
** Subtotal **			1275.00		637.50
** FERC Number 11219 MAYO DAM MAYO R	NC	WO	952.00	0.50	476.00
** Subtotal **			952.00		476.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 11260 HOPE MILLS 1 L ROCKFISH CR, CAPE FEAR R	NC	WO	650.00	0.50	325.00
** Subtotal **			650.00		325.00
** FERC Number 11264 COOLEEMEE S YADKIN R	NC	WO	1400.00	0.50	700.00
** Subtotal **			1400.00		700.00
** FERC Number 11392 RAMSEUR DEEP R	NC	WO	300.00	0.90	270.00
** Subtotal **			300.00		270.00
** FERC Number 11432 FALLS LAKE NEUSE R	NC	WO	5000.00	0.50	2500.00
** Subtotal **			5000.00		2500.00
** FERC Number 11437 B EVERETT JORDAN HAW R	NC	WO	5000.00	0.75	3750.00
** Subtotal **			5000.00		3750.00
** FERC Number NC005 BLEWETT FALLS PEE DEE R	NC	WO	34300.00	0.50	17150.00
** Subtotal **			34300.00		17150.00
** FERC Number NC008 BYNUM HAW R	NC	WO	17300.00	0.90	15570.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		17300.00	15570.00
** FERC Number NC009 CAROLINA COTTON MILL HAW R	NC WO	100.00 0.50	50.00
** Subtotal **		100.00	50.00
** FERC Number NC010 CHATHAM ROLLER MILL HAW R	NC WO	3190.00 0.90	2871.00
** Subtotal **		3190.00	2871.00
** FERC Number NC013 GLENCOE MILL HAW R	NC WO	170.00 0.50	85.00
** Subtotal **		170.00	85.00
** FERC Number NC015 GREATER BLEWETT FALLS MCCOY CR, PEE DEE R	NC WO	151000.00 0.50	75500.00
** Subtotal **		151000.00	75500.00
** FERC Number NC016 HENRY RIVER HENRY FORK	NC WO	90.00 0.50	45.00
** Subtotal **		90.00	45.00
** FERC Number NC018 HIGH ROCK YADKIN R	NC WO	25000.00 0.50	12500.00
** Subtotal **		25000.00	12500.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number NC019 HOLT GRANITE HAW R	NC	WO	770.00	0.50	385.00
** Subtotal **			770.00		385.00
** FERC Number NC020 HOPEDALE MILL HAW R	NC	WO	180.00	0.50	90.00
** Subtotal **			180.00		90.00
** FERC Number NC021 HOWARDS MILL LAKE DEEP R	NC	WO	7130.00	0.50	3565.00
** Subtotal **			7130.00		3565.00
** FERC Number NC023 LAWNDALE FIRST BROAD R	NC	WO	1530.00	0.90	1377.00
** Subtotal **			1530.00		1377.00
** FERC Number NC024 LOOKOUT SHOALS CATAWBA R	NC	WO	8650.00	0.90	7785.00
** Subtotal **			8650.00		7785.00
** FERC Number NC025 MANDALE HAW R	NC	WO	23400.00	0.90	21060.00
** Subtotal **			23400.00		21060.00
** FERC Number NC027 MOORES MILL HAW R	NC	WO	15700.00	0.90	14130.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			15700.00		14130.00
** FERC Number NC028 MORGANTON CATAWBA R	NC	WO	40600.00	0.90	36540.00
** Subtotal **			40600.00		36540.00
** FERC Number NC029 MORVEN PEE DEE R	NC	WO	47100.00	0.50	23550.00
** Subtotal **			47100.00		23550.00
** FERC Number NC030 MT PLEASANT LOWER LITTLE R	NC	WO	1000.00	0.50	500.00
** Subtotal **			1000.00		500.00
** FERC Number NC037 SPRAY SMITH R	NC	WO	4710.00	0.50	2355.00
** Subtotal **			4710.00		2355.00
** FERC Number NC040 UPPER DONNAHA YADKIN R	NC	WO	90500.00	0.50	45250.00
** Subtotal **			90500.00		45250.00
** FERC Number NC042 VIRGINIA COTTON MILL HAW R	NC	WO	1040.00	0.50	520.00
** Subtotal **			1040.00		520.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number NC046					
YADKIN FALLS DAM	NC	WO	16900.00	0.90	15210.00
YADKIN R					
** Subtotal **			16900.00		15210.00
** FERC Number NC047					
YADKIN NARROWS	NC	WO	28410.00	0.90	25569.00
YADKIN R					
** Subtotal **			28410.00		25569.00
*** Total ***			1458256.00		507810.50

Appendix D

Individual Resource Database List

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
02232	RHODHISS	CATAWBA R	NC

County Name	River Basin
BURKE	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)
14845.00	0.90	13360.50	65000.00	58500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	STG	MO	W	3546.00	8126.00

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
03163	RANDOLPH MILLS DAM 2	DEEP R	NC

County Name	River Basin
RANDOLPH	CAPE FEAR RIVER BASIN

Class	Owner Name
R	JORDAN,JOHN M

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
144.00	0.90	129.60	660.00	594

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3546.00
C	ROR	XX	WO	Longitude	7938.00

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
03570	DALLAS LAKE	S FK CATAWBA R	NC

County Name	River Basin
GASTON	SANTEE RIVER BASIN

Class	Owner Name
I	HARDEN MFG CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200.00	0.90	180.00	580.00	522

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3522.00 Longitude 8111.00
C	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	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
03722	MASSEY	LOWER LITTLE R	NC

County Name	River Basin
ALEXANDER	SANTEE RIVER BASIN

Class	Owner Name
R	MASSEY, BRUCE J

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200.00	0.90	180.00	1489.00	1340.10

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3558.00	Longitude	8113.00
C	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	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
06095	MASSEY ICARD	UPPER LITTLE R	NC

County Name	River Basin
ALEXANDER	SANTEE RIVER BASIN

Class	Owner Name
R	MASSEY, BRUCE J

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
500.00	0.90	450.00	2628.00	2365.20

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3559.00
C	ROR	XX	WO	Longitude	8112.00

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
06222	WM O HUSKE L&D 3	CAPE FEAR R	NC

County Name	River Basin
BLADEN	CAPE FEAR 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)
4000.00	0.50	2000.00	29000.00	14500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3449.00 7850.00
C	ROR	XX	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	Y	0.50
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
06322	SHARPE FALLS	N FK NEW R	NC

County Name	River Basin
ASHE	KANAWHA RIVER BASIN

Class	Owner Name
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C	BLUE RIDGE ELEC MEM CORP
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
25.00	0.50	12.50	106.00	53

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3628.00
C	ROR	LE	W	Longitude	8133.00

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		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	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
06492	HARDINS	S FK CATAWBA R	NC

County Name	River Basin
GASTON	SANTEE RIVER BASIN

Class		Owner Name		
I		HARDEN MFG CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
520.00	0.90	468.00	3500.00	3150

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3517.00
C	ROR	LE	W	Longitude	8110.00

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
06619	RAEFORD	ROCKFISH CR, CAPE FEAR R	NC

County Name	River Basin
CUMBERLAND	CAPE FEAR RIVER BASIN

Class	Owner Name
R	HYDROTECH, INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
300.00	0.50	150.00	1050.00	525

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3450.00
C	ROR	LE	W	Longitude	7850.00

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
06838	MOUNT GILEAD	PEE DEE R	NC

County Name	River Basin
STANLY	YADKIN-PEE DEE RIVER BASIN

Class	Owner Name
R	MOUNT GILEAD POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
7750.00	0.10	775.00	40200.00	4020

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3510.00 8003.00
C	STG	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
06847	LILESVILLE	PEE DEE R	NC

County Name	River Basin
ANSON	YADKIN-PEE DEE RIVER BASIN

Class		Owner Name		
R		LILESVILLE POWER CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
18240.00	0.50	9120.00	97330.00	48665
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	STG	XX	WO	3449.00 7954.00

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
06879	W KERR SCOTT	YADKIN R	NC

County Name	River Basin
WILKES	YADKIN-PEE DEE 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)
4850.00	0.75	3637.50	26400.00	19800

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3608.00 8113.00
C	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		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
07351	LEDBETTER CREEK	LEDBETTER CR,NANTAHALA R	NC

County Name	River Basin
SWAIN	TENNESSEE RIVER BASIN

Class		Owner Name	
R		CARTER,HUGH A JR	

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.10	200.00	9500.00	950

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	U	3513.00	8336.00

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	Y	0.50	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
07404	GLENCOE MILL	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR RIVER BASIN

Class	Owner Name
R	GLENCOE MILLS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
310.00	0.50	155.00	550.00	275

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3608.00
C	ROR	LE	W	Longitude	7926.00

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
07783	CEDAR FALLS	DEEP R	NC

County Name	River Basin
RANDOLPH	CAPE FEAR RIVER BASIN

Class	Owner Name
R	BULLOCK INDUSTRIES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
178.00	0.90	160.20	1625.00	1462.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3545.00
C	ROR	LE	W	Longitude	7936.00

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
07894	GUNPOWDER 2	GUNPOWDER CR,CATAWBA R	NC

County Name	River Basin
CALDWELL	SANTEE RIVER BASIN

Class	Owner Name
R	SMITH,ERNEST ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
125.00	0.90	112.50	640.00	576

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3546.00 8124.00
C	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	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
07902	REDDIES RIVER	REDDIES R	NC

County Name	River Basin
WILKES	YADKIN-PEE DEE RIVER BASIN

Class		Owner Name		
R		CLEARWATER HYDRO CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
230.00	0.90	207.00	1260.00	1134

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3610.00
C	ROR	XX	WO	Longitude	8110.00

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
08071	LOWER HUNGRY	HUNGRY R, GREEN R	NC

County Name	River Basin
HENDERSON	SANTEE RIVER BASIN

Class	Owner Name
R	HUNGRY HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
95.00	0.90	85.50	410.00	369

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3518.00
C	ROR	XX	WO	Longitude	8220.00

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
08072	UPPER HUNGRY	HUNGRY R, GREEN R	NC

County Name	River Basin
HENDERSON	SANTEE RIVER BASIN

Class	Owner Name
R	HUNGRY HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
100.00	0.90	90.00	437.00	393.30

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3519.00
C	ROR	XX	WO	Longitude	8220.00

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
08119	SHERRILL HYDRO	S YADKIN R	NC

County Name	River Basin
ALEXANDER	YADKIN-PEE DEE RIVER BASIN

Class	Owner Name
R	SHERRILL, HAROLD L

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
50.00	0.90	45.00	86.00	77.40

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3555.00
C	ROR	XX	WO	Longitude	8104.00

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
08146	WHITEWATER RIVER	WHITEWATER R	NC

County Name	River Basin
TRANSYLVANIA	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)
4000.00	0.90	3600.00	18000.00	16200
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3501.00 8300.00

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
08288	JEPCO DAN RIVER 1	DAN R	NC

County Name	River Basin
STOKES	ROANOKE RIVER BASIN

Class	Owner Name
R	WILLIAMS,JOHN E

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
240.00	0.10	24.00	2000.00	200

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	U	3631.00	8022.00

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

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FERC Number	Plant Name	Stream	State Name
08923	NORVEN	PEE DEE R	NC

County Name	River Basin
RICHMOND	YADKIN-PEE DEE 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)
7800.00	0.50	3900.00	50000.00	25000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3449.00
C	ROR	XX	WO	Longitude	7955.00

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
09253	CHEROKEE	GALAMORE BR, RAVEN FK, NANTAHALA	NC

County Name	River Basin
SWAIN	TENNESSEE RIVER BASIN

Class	Owner Name
C	EASTERN BAND OF CHEROKEE INDIANS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
12.00	0.10	1.20	90.00	9

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3517.00 8333.00
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	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	Y	0.50	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
09433	HOPE MILLS 2	BIG ROCKFISH CR, CAPE FEAR R	NC

County Name	River Basin
CUMBERLAND	CAPE FEAR RIVER BASIN

Class	Owner Name
R	HOPE MILLS PWR CO INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1400.00	0.50	700.00	2800.00	1400

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3457.00	Longitude	7855.00
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		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
09617	HAMPY CREEK	HAMPY CR, ROCK CR, GREEN R	NC

County Name	River Basin
HENDERSON	SANTEE RIVER BASIN

Class	Owner Name
R	WEINHOLD, WOLF ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
30.00	0.90	27.00	60.00	54

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3512.00 8231.00
C	ROR	XX	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	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
09794	JOHN HENRY MOSS	BUFFALO CR,BROAD R	NC
County Name		River Basin	
CLEVELAND		SANTEE RIVER BASIN	
Class		Owner Name	
M		KINGS MOUNTAIN,CITY OF	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
1100.00	0.90	990.00	3700.00
		PESF Annual Energy Rating (MWh)	
		3330	
Unit Type	Plant Type	Project Status	Dam Status
C	ROR	XX	WO
Latitude	3516.00	Longitude	8126.00
Factor		Exist Prob	
Wild/Scenic Protection		0.90	
Wild/Scenic Tributary or Upstream/Downstream		0.90	
Wild/Scenic Location		0.90	
Cultural Value		0.90	
Fish Presence Value		0.90	
Geologic Value		0.90	
Historic Value		0.90	
Other Value		0.90	
Recreation Value		0.90	
Scenic Value		0.90	
Wildlife Value		0.90	
Threatened/Endangered Fish		0.90	
Threatened/Endangered Wildlife		0.90	
Federal Land Code 103		0.90	
Federal Land Code 104		0.90	
Federal Land Code 105		0.90	
Federal Land Code 106		0.90	
Federal Land Code 107		0.90	
Federal Land Code 108		0.90	
Federal Land Code 198		0.90	

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FERC Number	Plant Name	Stream	State Name
09810	GUNPOWDER 1	GUNPOWDER CR,CATAWBA R	NC

County Name	River Basin
CALDWELL	SANTEE RIVER BASIN

Class	Owner Name
R	CON-REL CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
500.00	0.90	450.00	1600.00	1440

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3547.00 8124.00
C	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	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
09959	COLTRANE MILL	DEEP R		NC
County Name		River Basin		
RANDOLPH		CAPE FEAR RIVER BASIN		
Class		Owner Name		
R		COOK INDUSTRIES INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
90.00	0.90	81.00	430.00	387
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3556.00 7955.00
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
10083	BUCKHORN	CAPE FEAR R	NC

County Name	River Basin
CHATHAM	CAPE FEAR RIVER BASIN

Class	Owner Name
R	THE TOWNSEND CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3000.00	0.50	1500.00	12995.00	6497.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3531.00 7858.00
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		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
10378	SWEPSONVILLE	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR RIVER BASIN

Class		Owner Name		
R		ALAMANCE HYDRO ASSOC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
750.00	0.50	375.00	2000.00	1000
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3600.00 7921.00

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
10474	LAKE MICHIE	FLAT R,NEUSE R	NC

County Name	River Basin
DURHAM	PAMLICO-NEUSE RIVER BASINS

Class	Owner Name
M	DURHAM,CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1120.00	0.90	1008.00	4639.00	4175.10

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3609.00	Longitude	7849.00
C	STG	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		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
10660A	CAPE FEAR L&D 1	CAPE FEAR R	NC

County Name	River Basin
BLADEN	CAPE FEAR RIVER BASIN

Class		Owner Name		
R		WISE,ARNOLD J		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.75	3000.00	22700.00	17025
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3424.00 7817.00

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	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	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
10660B	CAPE FEAR L&D 2	CAPE FEAR R	NC

County Name	River Basin
BLADEN	CAPE FEAR RIVER BASIN

Class	Owner Name
R	WISE,ARNOLD J

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.75	3000.00	22700.00	17025

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3437.00
C	ROR	XX	WO	Longitude	7834.00

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	Y	0.75
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		0.90	Federal Land Code 108		0.90
Recreation Value		0.90	Federal Land Code 198		0.90
Scenic Value		0.90			

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FERC Number	Plant Name	Stream	State Name
10660C	CAPE FEAR L&D 3	CAPE FEAR R	NC

County Name	River Basin
BLADEN	CAPE FEAR RIVER BASIN

Class		Owner Name		
R		WISE,ARNOLD J		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.75	3000.00	22700.00	17025

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3450.00
C	ROR	XX	WO	Longitude	7849.00

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	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	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
10812	HENRIETTA MILLS	SECOND BROAD R	NC

County Name	River Basin
RUTHERFORD	SANTEE RIVER BASIN

Class	Owner Name
R	EVANS,DANIEL N

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
815.00	0.90	733.50	2639.00	2375.10

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3516.00 8148.00
C	ROR	NO	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
10873	CULLASAJA	CULLASAJA R	NC

County Name	River Basin
MACON	TENNESSEE RIVER BASIN

Class	Owner Name
R	DAVIS, ROBERT A., ETAL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
900.00	0.90	810.00	5854.00	5268.60

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3503.00
C	ROR	NA	WO	Longitude	8312.00

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
11052	TAR RIVER	TAR R	NC

County Name	River Basin
NASH	PAMLICO-NEUSE RIVER BASINS

Class		Owner Name		
M		ROCKY MOUNT, CITY OF		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1900.00	0.50	950.00	7569.00	3784.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	WO	3552.00	7753.00

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
11079	OLD WASHINGTON MILLS	MAYO R	NC
County Name		River Basin	
ROCKINGHAM		ROANOKE RIVER BASIN	
Class		Owner Name	
R		WOOD, CHARLES C	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
720.00	0.50	360.00	2700.00
			PESF Annual Energy Rating (MWh)
			1350
Unit Type	Plant Type	Project Status	Dam Status
C	ROR	XX	WO
		Latitude	3624.00
		Longitude	7956.00
Factor		Exist Prob	
_____		_____	
Wild/Scenic Protection		0.90	Wildlife Value
Wild/Scenic Tributary or			Threatened/Endangered Fish
Upstream/Downstream			Threatened/Endangered Wildlife
Wild/Scenic Location		0.90	Federal Land Code 103
Cultural Value	Y	0.75	Federal Land Code 104
Fish Presence Value	Y	0.75	Federal Land Code 105
Geologic Value	Y	0.90	Federal Land Code 106
Historic Value	Y	0.75	Federal Land Code 107
Other Value		0.90	Federal Land Code 108
Recreation Value	Y	0.75	Federal Land Code 198
Scenic Value	Y	0.90	

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FERC Number	Plant Name	Stream	State Name
11169	AVALON	MAYO R	NC

County Name	River Basin
ROCKINGHAM	ROANOKE RIVER BASIN

Class	Owner Name
R	H & H PROPERTIES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1275.00	0.50	637.50	3600.00	1800

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3627.00	Longitude	7957.00
C	ROR	NO	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
11219	MAYO DAM	MAYO R	NC

County Name	River Basin
ROCKINGHAM	ROANOKE RIVER BASIN

Class		Owner Name		
R	MAYO HYDRO			
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
952.00	0.50	476.00	3840.00	1920
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	NO	WO	3630.00 7956.00

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
11260	HOPE MILLS 1	L ROCKFISH CR, CAPE FEAR R	NC

County Name	River Basin
CUMBERLAND	CAPE FEAR RIVER BASIN

Class	Owner Name
M	HOPE MILLS, TOWN OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
650.00	0.50	325.00	1239.00	619.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3450.00	Longitude	7849.00
C	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		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
11264	COOLEEMEE	S YADKIN R	NC

County Name	River Basin
DAVIE	YADKIN-PEE DEE RIVER BASIN

Class		Owner Name		
M		TURBINE INDUSTRIES, INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1400.00	0.50	700.00	6200.00	3100

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3548.00
C	ROR	NA	WO	Longitude	8034.00

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
11392	RAMSEUR	DEEP R	NC

County Name	River Basin
RANDOLPH	CAPE FEAR RIVER BASIN

Class	Owner Name
R	J&T HYDRO CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
300.00	0.90	270.00	1661.00	1494.90

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3544.00
C	ROR	NO	WO	Longitude	7941.00

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
11432	FALLS LAKE	NEUSE R	NC

County Name	River Basin
WAKE	PAMLICO-NEUSE RIVER BASINS

Class		Owner Name		
R		HYDRO MATRIX PTNSP,LTD		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5000.00	0.50	2500.00	26000.00	13000
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	PO	WO	3556.00 7834.00

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
11437	B EVERETT JORDAN	HAW R	NC

County Name	River Basin
CHATHAM	CAPE FEAR RIVER BASIN

Class	Owner Name
R	HYDRO MATRIX PARTNERSHIP, LTD

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5000.00	0.75	3750.00	28000.00	21000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3534.00	Longitude	7904.00
C	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		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
NC001	BAT CAVE	BROAD R	NC

County Name	River Basin
RUTHERFORD	SANTEE RIVER BASIN

Class		Owner Name		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5700.00	0.90	5130.00	12570.00	11313

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3529.00
C	ROR		U	Longitude	8216.00

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
NC002	BEECH CREEK	WATAUGA R	NC

County Name	River Basin
WATAUGA	TENNESSEE RIVER BASIN

Class	Owner Name
F	TENNESSEE VALLEY AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
55780.00	0.10	5578.00	92150.00	9215

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3616.00
C	DIV		U	Longitude	8154.00

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
NC003	BELEWS LAKE	BELEWS CR,DAN R	NC

County Name	River Basin
ROCKINGHAM	ROANOKE 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)	
2350.00	0.10	235.00	8190.00	819	
Unit Type	Plant Type	Project Status	Dam Status	Latitude	3619.00
C	STG		U	Longitude	8001.00

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
NC004	BIG CREEK	BIG CREEK,DAN R	NC

County Name	River Basin
STOKES	ROANOKE RIVER BASIN

Class	Owner Name
R	MINGLEWOOD DEVELOPMENT CORP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
50.00	0.10	5.00	438.00	43.80

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3630.00	Longitude	8025.00
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
NC005	BLEWETT FALLS	PEE DEE R	NC

County Name	River Basin
ANSON	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)
34300.00	0.50	17150.00	29400.00	14700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3459.00 7952.00
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
NC006	BOILING SPRINGS	BROAD R	NC

County Name	River Basin
CLEVELAND	SANTEE 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)
33300.00	0.90	29970.00	72860.00	65574

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	STG		U	3528.00	8147.00

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		0.90	Federal Land Code 108		0.90
Recreation Value		0.90	Federal Land Code 198		0.90
Scenic Value		0.90			

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FERC Number	Plant Name	Stream	State Name
NC007	BRUSH CREEK	FRENCH BROAD R	NC

County Name	River Basin
MADISON	TENNESSEE RIVER BASIN

Class	Owner Name
F	TENNESSEE VALLEY AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
159000.00	0.10	15900.00	292000.00	29200

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	DIV		U	3551.00	8245.00

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
NC008	BYNUM	HAW R	NC

County Name	River Basin
CHATHAM	CAPE FEAR 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)
17300.00	0.90	15570.00	50300.00	45270

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3546.00
C	STG		WO	Longitude	7908.00

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
NC009	CAROLINA COTTON MILL	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR RIVER BASIN

Class	Owner Name
I	CAROLINA COTTON MILL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
100.00	0.50	50.00	280.00	140

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3606.00	Longitude	7924.00
C	ROR		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
NC010	CHATHAM ROLLER MILL	HAW R	NC

County Name	River Basin
CHATHAM	CAPE FEAR 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)
3190.00	0.90	2871.00	9224.00	8301.60

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3545.00 7908.00
C	ROR		WO		

Factor	Exist	Prob	Factor	Exist	Prob
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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	0.90	Federal Land Code 108	0.90
Recreation Value	0.90	Federal Land Code 198	0.90
Scenic Value	0.90		

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FERC Number	Plant Name	Stream	State Name
NC011	COWART	CANEY FORK, TUCKASEGEE R	NC

County Name	River Basin
JACKSON	TENNESSEE 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)
13100.00	0.10	1310.00	28730.00	2873

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3525.00	Longitude	8306.00
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

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FERC Number	Plant Name	Stream	State Name
NC012	ELK SHOAL	CANE R	NC

County Name	River Basin
YANCEY	TENNESSEE 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	0.10	1000.00	29000.00	2900

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3557.00	Longitude	8224.00
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

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FERC Number	Plant Name	Stream	State Name
NC013	GLENCOE MILL	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR 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)
170.00	0.50	85.00	480.00	240

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3608.00	Longitude	7925.00
C	ROR		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
NC014	GLENDON	DEEP R	NC

County Name	River Basin
MOORE	CAPE FEAR 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)
27500.00	0.10	2750.00	60170.00	6017

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3528.00 7931.00
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
NC015	GREATER BLEWETT FALLS	MCCOY CR, PEE DEE R	NC

County Name	River Basin
RICHMOND	YADKIN-PEE DEE 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)
151000.00	0.50	75500.00	350000.00	175000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3459.00
C	STG		WO	Longitude	7952.00

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
NC016	HENRY RIVER	HENRY FORK	NC

County Name	River Basin
BURKE	SANTEE RIVER BASIN

Class	Owner Name
I	HENRY RIVER MILLS CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
90.00	0.50	45.00	800.00	400

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3542.00	Longitude	8125.00
C	ROR		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		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
NC017	HIGH FALLS	DEEP R	NC

County Name	River Basin
MOORE	CAPE FEAR 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)
25200.00	0.10	2520.00	55160.00	5516

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3528.00	Longitude	7931.00
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
NC018	HIGH ROCK	YADKIN R	NC

County Name	River Basin
DAVIDSON	YADKIN-PEE DEE RIVER BASIN

Class	Owner Name
R	YADKIN INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
25000.00	0.50	12500.00	14550.00	7275

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3536.00	Longitude	8014.00
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
NC019	HOLT GRANITE	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR RIVER BASIN

Class		Owner Name		
I		HOLT GRANITE MFG CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
770.00	0.50	385.00	2240.00	1120
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR		WO	3606.00 7922.00

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
NC020	HOPEDALE MILL	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR 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)
180.00	0.50	90.00	530.00	265

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3607.00	Longitude	7923.00
C	ROR		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
NC021	HOWARDS MILL LAKE	DEEP R	NC

County Name	River Basin
MOORE	CAPE FEAR 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)
7130.00	0.50	3565.00	13190.00	6595

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3529.00 7934.00
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
NC022	LAKE HYCO DAM	HYCO R	NC

County Name	River Basin
PERSON	ROANOKE RIVER BASIN

Class		Owner Name	
P		CAROLINA POWER AND LT CO	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
1270.00	0.90	1143.00	2990.00
			PESF Annual Energy Rating (MWh)
			2691

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	STG		U	3630.00 7902.00

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
NC023	LAWNDALE	FIRST BROAD R	NC

County Name	River Basin
CLEVELAND	SANTEE RIVER BASIN

Class		Owner Name		
I		CLEVELAND MILL & PWR		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1530.00	0.90	1377.00	4340.00	3906

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3523.00 8133.00
C	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
NC024	LOOKOUT SHOALS	CATAWBA R	NC

County Name	River Basin
IREDELL	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)
8650.00	0.90	7785.00	7390.00	6651

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3545.00
C	STG		WO	Longitude	8105.00

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
NC025	MANDALE	HAW R	NC

County Name	River Basin
CHATHAM	CAPE FEAR 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)
23400.00	0.90	21060.00	46500.00	41850
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	STG		WO	3551.00 7915.00

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
NC026	MILBURNIE	NEUSE R	NC

County Name	River Basin
WAKE	PAMLICO-NEUSE RIVER BASINS

Class	Owner Name			
F	CORPS OF ENGINEERS			
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9500.00	0.10	950.00	8500.00	850
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR		U	3545.00 7832.00

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
NC027	MOORES MILL	HAW R	NC

County Name	River Basin
CHATHAM	CAPE FEAR 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)
15700.00	0.90	14130.00	42100.00	37890

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3544.00
C	STG		WO	Longitude	7906.00

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
NC028	MORGANTON	CATAWBA R	NC

County Name	River Basin
BURKE	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)
40600.00	0.90	36540.00	56000.00	50400

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3553.00	Longitude	8140.00
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	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
NC029	MORVEN	PEE DEE R	NC

County Name	River Basin
RICHMOND	YADKIN-PEE DEE 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)
47100.00	0.50	23550.00	127000.00	63500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3449.00
C	ROR		WO	Longitude	7954.00

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
NC030	MT PLEASANT	LOWER LITTLE R	NC

County Name	River Basin
HOKE	CAPE FEAR RIVER BASIN

Class	Owner Name
I	FLOWERS, WILLIAM D JR

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1000.00	0.50	500.00	2850.00	1425

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3510.00
C	ROR		WO	Longitude	7906.00

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
NC031	NEEDMORE	LITTLE TENNESSEE R	NC

County Name	River Basin
SWAIN	TENNESSEE RIVER BASIN

Class	Owner Name
P	NANTAHALA PWR AND LT CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
43800.00	0.10	4380.00	102600.00	10260

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3521.00	Longitude	8331.00
C	CMB		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
NC032	NEWFOUND CREEK	FRENCH BROAD R	NC

County Name	River Basin
BUNCOMBE	TENNESSEE RIVER BASIN

Class	Owner Name
F	TENNESSEE VALLEY AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
125000.00	0.10	12500.00	229300.00	22930

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3540.00 8237.00
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	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
NC033	PINE CREEK	FRENCH BROAD R	NC

County Name	River Basin
MADISON	TENNESSEE RIVER BASIN

Class	Owner Name
F	TENNESSEE VALLEY AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
208000.00	0.10	20800.00	381600.00	38160

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3548.00	Longitude	8244.00
C	DIV		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	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
NC034	SMILEY FALLS	CAPE FEAR R	NC

County Name	River Basin
HARNETT	CAPE FEAR RIVER BASIN

Class	Owner Name
-FERC/COE	
Name Plate Rating (KW)	Annual Energy Rating (MWh)
49000.00	91200.00
PESF	PESF Annual Energy Rating (MWh)
0.10	9120
PESF*KW	
4900.00	

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3516.00
C	ROR		U	Longitude	7841.00

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
NC035	SMILEY FALLS REREG	CAPE FEAR R	NC

County Name	River Basin
HARNETT	CAPE FEAR 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)
20000.00	0.10	2000.00	73000.00	7300

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3513.00 7841.00
C	RRG		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
NC036	SMITHFIELD	NEUSE R	NC

County Name	River Basin
JOHNSTON	PAMLICO-NEUSE RIVER BASINS

Class		Owner Name		
F		CORPS OF ENGINEERS		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9000.00	0.10	900.00	14300.00	1430

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	0.00 0.00
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
NC037	SPRAY	SMITH R	NC

County Name	River Basin
ROCKINGHAM	ROANOKE RIVER BASIN

Class		Owner Name	
I	SPRAY COTTON MILLS		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
4710.00	0.50	2355.00	11850.00
			PESF Annual Energy Rating (MWh)
			5925
Unit Type	Plant Type	Project Status	Dam Status
C	STG		WO
Latitude	Longitude		
3630.00	7945.00		

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
NC038	SPRING HOPE 2	TAR R	NC

County Name	River Basin
NASH	PAMLICO-NEUSE RIVER BASINS

Class	Owner Name
F	CORPS OF ENGINEERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.10	400.00	20000.00	2000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3552.00
C	STG		U	Longitude	7753.00

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
NC039	STONEVILLE	MAYO R	NC

County Name	River Basin
ROCKINGHAM	ROANOKE 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)
3990.00	0.10	399.00	13160.00	1316

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3628.00	Longitude	7956.00
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

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FERC Number	Plant Name	Stream	State Name
NC040	UPPER DONNAHA	YADKIN R	NC

County Name	River Basin
YADKIN	YADKIN-PEE DEE 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)
90500.00	0.50	45250.00	172700.00	86350

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3615.00 8029.00
C	STG		WO		

Factor	Exist	Prob	Factor	Exist	Prob
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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		0.90
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
NC041	UPPER WHITEWATER	WHITEWATER R	NC

County Name	River Basin
JACKSON	SAVANNAH RIVER BASIN

Class	Owner Name
	NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
7330.00	0.90	6597.00	20100.00	18090

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3502.00	Longitude	8301.00
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	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
NC042	VIRGINIA COTTON MILL	HAW R	NC

County Name	River Basin
ALAMANCE	CAPE FEAR 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)
1040.00	0.50	520.00	3010.00	1505

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3601.00
C	ROR		WO	Longitude	7922.00

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
NC043	WALNUT COVE	DAN R	NC

County Name	River Basin
STOKES	ROANOKE 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)
10500.00	0.10	1050.00	26200.00	2620

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3620.00 8007.00
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
NC044	WHITE OAK 1	FISHING CR,TAR R	NC

County Name	River Basin
HALIFAX	PAMLICO-NEUSE RIVER BASINS

Class		Owner Name		
F		CORPS OF ENGINEERS		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.10	200.00	12000.00	1200
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	STG		U	3613.00 7743.00

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
NC045	WILSON MILLS	NEUSE R	NC

County Name	River Basin
JOHNSTON	PAMLICO-NEUSE RIVER BASINS

Class		Owner Name		
F		CORPS OF ENGINEERS		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
8500.00	0.10	850.00	9700.00	970
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR		U	3530.00 7822.00

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
NC046	YADKIN FALLS DAM	YADKIN R	NC

County Name	River Basin
STANLY	YADKIN-PEE DEE RIVER BASIN

Class		Owner Name		
R		YADKIN INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
16900.00	0.90	15210.00	9890.00	8901

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3524.00
C	STG		WO	Longitude	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
NC047	YADKIN NARROWS	YADKIN R	NC

County Name	River Basin
STANLY	YADKIN-PEE DEE RIVER BASIN

Class	Owner Name
R	YADKIN INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
28410.00	0.90	25569.00	88000.00	79200

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3525.00 8005.00
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	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