U.S. Hydropower

Resource Assessment

Virginia

U.S. Hydropower Resource Assessment for Virginia

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Published December 1997

MASTER

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

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ABSTRACT

The U.S. Department of Energy is developing an estimate of the undeveloped hydropower potential in the United States. The Hydropower Evaluation Software (HES) is a computer model that was developed by the Idaho National Engineering Laboratory^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 Virginia.

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.

ACKNOWLEDGMENTS

The authors thank Peggy A. M. Brookshier and John V. Flynn of the U.S. Department of Energy for their active participation and timely comments.

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U.S. Hydropower Resource Assessment for Virginia

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 Virginia. 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 88 sites (Table 1) have been identified and assessed for their undeveloped hydropower potential. The HES results for

individual site capacities range from 15 kilowatts (kW) to 180 megawatts (MW). Almost one-half (49%) of the sites in Virginia are small hydropower sites, less than 1 MW (Figure 1).

The nonmodeled undeveloped hydropower potential total for Virginia was identified as 1,250 MW. The HES results lowers this estimate about 51% to 617 MW. The greatest reduction in undeveloped hydropower potential, by MW, occurs at sites that do not have power generation capability nor a developed impoundment or diversion structure (undeveloped site category [U]). These sites have a HES-modeled undeveloped hydropower potential of about 229 MW, a 315-MW, or 58% 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 88 identified sites are located within 10 major river basins. The number of sites per major river basin ranges from 1 in the Tennessee and Yadkin-Pee Dee River basins to 50 in the James River Basin (Figure 4). Eighty-nine percent of the undeveloped hydropower potential in the State of Virginia is contained within the James and Kanawha River basins (Figure 5).

Table 1. Undeveloped hydropower potential summary for Virginia. 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	9	15.7	11.7
W/O Power	52	690.1	375.8
Undeveloped	27	543.8	229.2
State Total	88	1,249.6	616.7

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 Virginia river basins.

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

Detailed Results

The appendices contain, in the form of HES-generated reports, detailed information about the undeveloped hydropower potential in Virginia. 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 88 sites in Virginia. 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: 12/01/97

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

<u>State</u>	<u>Category</u>	<u>Number of Projects</u>	<u>Name Plate Capacity (KW)</u>	<u>HES Adjusted Capacity (KW)</u>
VA	With Power	9	15730	11717
	W/O Power	52	690120	375798.50
	Undeveloped	27	543820	229152.50
	STATE TOTAL	88	1249670	616668
TOTALS	With Power	9	15730	11717
	W/O Power	52	690120	375798.50
	Undeveloped	27	543820	229152.50
GRAND TOTAL		88	1249670	616668

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 CHOWAN RIVER BASIN					
VA042	WESTERN BRIDGE MEHERRIN R	U	1100.00	0.50	550.00
VA024	MEREDITH MEHERRIN R	U	800.00	0.50	400.00
05838	NOTTOWAY RIVER DAM NOTTOWAY R	WO	450.00	0.75	337.50
** Subtotal **			2350.00		1287.50
** River Basin JAMES RIVER BASIN					
VA020	MAIDENS JAMES R	U	63000.00	0.90	56700.00
VA034	SEVEN ISLANDS 1 JAMES R	U	35200.00	0.10	3520.00
VA013	HATTON JAMES R	U	17330.00	0.10	1733.00
VA005	DOG ISLAND 2 JAMES R	U	15900.00	0.90	14310.00
VA027	NORWOOD DEV 2 JAMES R	U	15100.00	0.90	13590.00
VA012	GLADSTONE JAMES R	U	86900.00	0.90	78210.00
VA026	NORWOOD DEV 1 TYE R, PINEY R	U	22100.00	0.25	5525.00
VA015	HOLCOMBS ROCK JAMES R	U	4300.00	0.90	3870.00
VA039	UPPER CUSHAW JAMES R	U	3100.00	0.90	2790.00
VA040	VARNEY FALLS JAMES R	U	18700.00	0.10	1870.00
VA016	HORSESHOE BEND MAURY R	U	19600.00	0.25	4900.00
VA003	BUCHANAN JAMES R	U	1800.00	0.10	180.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
VA035	SPRINGWOOD JAMES R	U	2800.00	0.10	280.00
VA006	EAGLE ROCK JAMES R	U	86300.00	0.10	8630.00
VA029	ORISKANY CRAIG CR,JAMES R	U	12000.00	0.10	1200.00
VA018	KING JACKSON R	U	13620.00	0.10	1362.00
VA033	SCHUYLER 1 & 2 ROCKFISH R,JAMES R	W	1350.00	0.10	135.00
05456	COLEMANS FALLS JAMES R	W	2500.00	0.90	2250.00
02902	BIG ISLAND JAMES R	W	5730.00	0.90	5157.00
05596	BEDFORD JAMES R	W	1090.00	0.90	981.00
VA022	MEADOW CREEK MEADOW CR,CRAIG CR,JAMES R	W	1500.00	0.10	150.00
08457	APPOMATTOX CNL(LOCKS) UPPER APPOMATTOX CNL(APPOMATTO	WO	1025.00	0.90	922.50
05453	GENITO APPOMATTOX R	WO	4000.00	0.10	400.00
08334	MANCHESTER JAMES R	WO	1300.00	0.10	130.00
10631	TWELFTH STREET JAMES R	WO	11500.00	0.10	1150.00
VA038	TWELFTH STREET JAMES R	WO	22700.00	0.10	2270.00
02463	PARK JAMES R	WO	4180.00	0.10	418.00
10645A	BELLE ISLE JAMES R	WO	3000.00	0.10	300.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
VA001	BELLE ISLE JAMES R	WO	10400.00	0.10	1040.00
VA002	BOULEVARD JAMES R	WO	41400.00	0.10	4140.00
09808	CA IRA WILLIS R	WO	100.00	0.90	90.00
09805	WOOLEN MILLS RIVANNA R	WO	240.00	0.75	180.00
09809	LAWHORNE ROCKFISH R, JAMES R	WO	75.00	0.90	67.50
VA017	JOSHUA FALLS JAMES R	WO	38100.00	0.90	34290.00
07163	LYNCHBURG JAMES R	WO	3400.00	0.90	3060.00
VA030	REUSENS JAMES R	WO	15640.00	0.90	14076.00
VA004	CUSHAW JAMES R	WO	14755.00	0.90	13279.50
00342	BALCONY FALLS JAMES R	WO	5800.00	0.10	580.00
05845	KEYS MILL MAURY R	WO	400.00	0.50	200.00
05869	EAST LEXINGTON MAURY R	WO	300.00	0.50	150.00
09806	REIDS MAURY R	WO	250.00	0.50	125.00
VA021	MAURY MAURY R	WO	69000.00	0.50	34500.00
VA019	LYLE JAMES R	WO	10000.00	0.10	1000.00
10477	BURKE JAMES R	WO	2000.00	0.10	200.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
08209	DUNLAP CREEK DUNLAP CR,JACKSON R	WO	180.00	0.50	90.00
VA007	FALLING SPRINGS FALLING SPRINGS CR,JACKSON R	WO	150.00	0.50	75.00
VA010	GATHRIGHT JACKSON R	WO	49000.00	0.50	24500.00
11439	GATHRIGHT JACKSON R	WO	3000.00	0.50	1500.00
10645B	HOLLYWOOD JAMES R	WO	2025.00	0.10	202.50
11450	GATHRIGHT JACKSON R	WO	4000.00	0.50	2000.00
** Subtotal **			747840.00		348279.00
** River Basin KANAWHA RIVER BASIN					
VA009	FRIES JUNCTION NEW R	U	15000.00	0.90	13500.00
02831A	FOSTER FALLS NEW R	WO	7000.00	0.90	6300.00
08796A	REED CREEK LOWER REED CR,NEW R	WO	500.00	0.90	450.00
08796B	REED CREEK UPPER REED CR,NEW R	WO	500.00	0.90	450.00
02317	LOWER BLUE RIDGE NEW R	WO	200000.00	0.90	180000.00
** Subtotal **			223000.00		200700.00
** River Basin OHIO MAIN STREAM					
VA014	HAYSI RUSSELL FK,POUND R	U	3170.00	0.25	792.50
10779	JOHN W FLANNAGAN POUND R	WO	7000.00	0.75	5250.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			10170.00		6042.50
** River Basin POTOMAC RIVER BASIN					
VA028	OCCOQUAN OCCOQUAN CR,POTOMAC R	U	5250.00	0.90	4725.00
VA043	WEVERTON POTOMAC R	U	60000.00	0.10	6000.00
06898	CHAPMAN N FK SHENANDOAH R	W	200.00	0.50	100.00
03287	BURNSHIRE N FK SHENANDOAH R	W	200.00	0.50	100.00
07513	OLD MILL NORTH R,MIDDLE R	W	160.00	0.90	144.00
03844	JACKSON OCCOQUAN CR,POTOMAC R	WO	450.00	0.90	405.00
05927	GOOSE CREEK GOOSE CR,POTOMAC R	WO	350.00	0.10	35.00
03249	EDINBURG DAM N FK SHENANDOAH R	WO	500.00	0.50	250.00
09698	KITE S FK SHENANDOAH R	WO	2000.00	0.50	1000.00
09228	MCGAHEYSVILLE S FK SHENANDOAH R	WO	1500.00	0.90	1350.00
** Subtotal **			70610.00		14109.00
** River Basin RAPPAHANNOCK RIVER BASIN					
VA008	FREDERICKSBURG RAPPAHANNOCK R	U	15300.00	0.10	1530.00
07490	EMBREY RAPPAHANNOCK R	WO	3000.00	0.10	300.00
VA031	SALEM CHURCH RAPPAHANNOCK R	WO	72700.00	0.10	7270.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **					
			91000.00		9100.00
** River Basin ROANOKE RIVER BASIN					
02831B	MARTINSVILLE SMITH R	W	3000.00	0.90	2700.00
05844	MOTLEYS MILL BANISTER R	WO	200.00	0.90	180.00
02412	UNION STREET DAM DAN R	WO	2200.00	0.10	220.00
VA032	SCHOOLFIELD DAN R	WO	9400.00	0.10	940.00
VA036	STUART SMITH R	WO	12000.00	0.90	10800.00
02831C	RIDGEWAY SMITH R	WO	17000.00	0.90	15300.00
09807	BROOKNEAL FALLING R, ROANOKE R	WO	150.00	0.10	15.00
VA023	MELROSE ROANOKE R	WO	19000.00	0.10	1900.00
VA037	TABER ROANOKE R	WO	15400.00	0.10	1540.00
10896	PINNACLES (TALBOTT DAM) DAN R	WO	300.00	0.10	30.00
** Subtotal **					
			78650.00		33625.00
** River Basin TENNESSEE RIVER BASIN					
05992	EDMONDSON M FK HOLSTON R	WO	600.00	0.90	540.00
** Subtotal **					
			600.00		540.00
** River Basin YADKIN-PEE DEE RIVER BASIN					
07465	STEWARTS CREEK STEWARTS CR, ARARAT R	U	550.00	0.90	495.00

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HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			550.00		495.00
** River Basin YORK RIVER BASIN					
VA025	NEWMANS MILL S ANNA R,PAMUNKEY R	U	3100.00	0.10	310.00
VA011	GILMAN S ANNA R	U	7500.00	0.10	750.00
VA041	VERDON N ANNA R	U	14300.00	0.10	1430.00
** Subtotal **			24900.00		2490.00
*** Total ***			1249670.00		616668.00

Appendix C
Virginia Sites List

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number 07465 STEWARTS CREEK STEWARTS CR, ARARAT R	VA U	550.00 0.90	495.00
** Subtotal **		550.00	495.00
** FERC Number VA003 BUCHANAN JAMES R	VA U	1800.00 0.10	180.00
** Subtotal **		1800.00	180.00
** FERC Number VA005 DOG ISLAND 2 JAMES R	VA U	15900.00 0.90	14310.00
** Subtotal **		15900.00	14310.00
** FERC Number VA006 EAGLE ROCK JAMES R	VA U	86300.00 0.10	8630.00
** Subtotal **		86300.00	8630.00
** FERC Number VA008 FREDERICKSBURG RAPPAHANNOCK R	VA U	15300.00 0.10	1530.00
** Subtotal **		15300.00	1530.00
** FERC Number VA009 FRIES JUNCTION NEW R	VA U	15000.00 0.90	13500.00
** Subtotal **		15000.00	13500.00
** FERC Number VA011 GILMAN S ANNA R	VA U	7500.00 0.10	750.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			7500.00		750.00
** FERC Number VA012 GLADSTONE JAMES R	VA	U	86900.00	0.90	78210.00
** Subtotal **			86900.00		78210.00
** FERC Number VA013 HATTON JAMES R	VA	U	17330.00	0.10	1733.00
** Subtotal **			17330.00		1733.00
** FERC Number VA014 HAYSI RUSSELL FK, POUND R	VA	U	3170.00	0.25	792.50
** Subtotal **			3170.00		792.50
** FERC Number VA015 HOLCOMBS ROCK JAMES R	VA	U	4300.00	0.90	3870.00
** Subtotal **			4300.00		3870.00
** FERC Number VA016 HORSESHOE BEND MAURY R	VA	U	19600.00	0.25	4900.00
** Subtotal **			19600.00		4900.00
** FERC Number VA018 KING JACKSON R	VA	U	13620.00	0.10	1362.00
** Subtotal **			13620.00		1362.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number VA020 MAIDENS JAMES R	VA U	63000.00 0.90	56700.00
** Subtotal **		63000.00	56700.00
** FERC Number VA024 MEREDITH MEHERRIN R	VA U	800.00 0.50	400.00
** Subtotal **		800.00	400.00
** FERC Number VA025 NEWMANS MILL S ANNA R,PAMUNKEY R	VA U	3100.00 0.10	310.00
** Subtotal **		3100.00	310.00
** FERC Number VA026 NORWOOD DEV 1 TYE R,PINEY R	VA U	22100.00 0.25	5525.00
** Subtotal **		22100.00	5525.00
** FERC Number VA027 NORWOOD DEV 2 JAMES R	VA U	15100.00 0.90	13590.00
** Subtotal **		15100.00	13590.00
** FERC Number VA028 OCCOQUAN OCCOQUAN CR,POTOMAC R	VA U	5250.00 0.90	4725.00
** Subtotal **		5250.00	4725.00
** FERC Number VA029 ORISKANY CRAIG CR,JAMES R	VA U	12000.00 0.10	1200.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			12000.00		1200.00
** FERC Number VA034 SEVEN ISLANDS 1 JAMES R	VA	U	35200.00	0.10	3520.00
** Subtotal **			35200.00		3520.00
** FERC Number VA035 SPRINGWOOD JAMES R	VA	U	2800.00	0.10	280.00
** Subtotal **			2800.00		280.00
** FERC Number VA039 UPPER CUSHAW JAMES R	VA	U	3100.00	0.90	2790.00
** Subtotal **			3100.00		2790.00
** FERC Number VA040 VARNEY FALLS JAMES R	VA	U	18700.00	0.10	1870.00
** Subtotal **			18700.00		1870.00
** FERC Number VA041 VERDON N ANNA R	VA	U	14300.00	0.10	1430.00
** Subtotal **			14300.00		1430.00
** FERC Number VA042 WESTERN BRIDGE MEHERRIN R	VA	U	1100.00	0.50	550.00
** Subtotal **			1100.00		550.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number VA043 WEVERTON POTOMAC R	VA	U	60000.00	0.10	6000.00
** Subtotal **			60000.00		6000.00
** FERC Number 02831B MARTINSVILLE SMITH R	VA	W	3000.00	0.90	2700.00
** Subtotal **			3000.00		2700.00
** FERC Number 02902 BIG ISLAND JAMES R	VA	W	5730.00	0.90	5157.00
** Subtotal **			5730.00		5157.00
** FERC Number 03287 BURNSHIRE N FK SHENANDOAH R	VA	W	200.00	0.50	100.00
** Subtotal **			200.00		100.00
** FERC Number 05456 COLEMANS FALLS JAMES R	VA	W	2500.00	0.90	2250.00
** Subtotal **			2500.00		2250.00
** FERC Number 05596 BEDFORD JAMES R	VA	W	1090.00	0.90	981.00
** Subtotal **			1090.00		981.00
** FERC Number 06898 CHAPMAN N FK SHENANDOAH R	VA	W	200.00	0.50	100.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		200.00	100.00
** FERC Number 07513 OLD MILL NORTH R,MIDDLE R	VA W	160.00 0.90	144.00
** Subtotal **		160.00	144.00
** FERC Number VA022 MEADOW CREEK MEADOW CR,CRAIG CR,JAMES R	VA W	1500.00 0.10	150.00
** Subtotal **		1500.00	150.00
** FERC Number VA033 SCHUYLER 1 & 2 ROCKFISH R,JAMES R	VA W	1350.00 0.10	135.00
** Subtotal **		1350.00	135.00
** FERC Number 00342 BALCONY FALLS JAMES R	VA WO	5800.00 0.10	580.00
** Subtotal **		5800.00	580.00
** FERC Number 02317 LOWER BLUE RIDGE NEW R	VA WO	200000.00 0.90	180000.00
** Subtotal **		200000.00	180000.00
** FERC Number 02412 UNION STREET DAM DAN R	VA WO	2200.00 0.10	220.00
** Subtotal **		2200.00	220.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number 02463 PARK JAMES R	VA WO	4180.00 0.10	418.00
** Subtotal **		4180.00	418.00
** FERC Number 02831A FOSTER FALLS NEW R	VA WO	7000.00 0.90	6300.00
** Subtotal **		7000.00	6300.00
** FERC Number 02831C RIDGEWAY SMITH R	VA WO	17000.00 0.90	15300.00
** Subtotal **		17000.00	15300.00
** FERC Number 03249 EDINBURG DAM N FK SHENANDOAH R	VA WO	500.00 0.50	250.00
** Subtotal **		500.00	250.00
** FERC Number 03844 JACKSON OCCOQUAN CR,POTOMAC R	VA WO	450.00 0.90	405.00
** Subtotal **		450.00	405.00
** FERC Number 05453 GENITO APPOMATTOX R	VA WO	4000.00 0.10	400.00
** Subtotal **		4000.00	400.00
** FERC Number 05838 NOTTOWAY RIVER DAM NOTTOWAY R	VA WO	450.00 0.75	337.50

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		450.00	337.50
** FERC Number 05844 MOTLEYS MILL BANISTER R	VA WO	200.00 0.90	180.00
** Subtotal **		200.00	180.00
** FERC Number 05845 KEYS MILL MAURY R	VA WO	400.00 0.50	200.00
** Subtotal **		400.00	200.00
** FERC Number 05869 EAST LEXINGTON MAURY R	VA WO	300.00 0.50	150.00
** Subtotal **		300.00	150.00
** FERC Number 05927 GOOSE CREEK GOOSE CR,POTOMAC R	VA WO	350.00 0.10	35.00
** Subtotal **		350.00	35.00
** FERC Number 05992 EDMONDSON M FK HOLSTON R	VA WO	600.00 0.90	540.00
** Subtotal **		600.00	540.00
** FERC Number 07163 LYNCHBURG JAMES R	VA WO	3400.00 0.90	3060.00
** Subtotal **		3400.00	3060.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 07490 EMBREY RAPPAHANNOCK R	VA WO	3000.00	0.10	300.00
** Subtotal **		3000.00		300.00
** FERC Number 08209 DUNLAP CREEK DUNLAP CR,JACKSON R	VA WO	180.00	0.50	90.00
** Subtotal **		180.00		90.00
** FERC Number 08334 MANCHESTER JAMES R	VA WO	1300.00	0.10	130.00
** Subtotal **		1300.00		130.00
** FERC Number 08457 APPOMATTOX CNL(LOCKS) UPPER APPOMATTOX CNL(APPOMATTO	VA WO	1025.00	0.90	922.50
** Subtotal **		1025.00		922.50
** FERC Number 08796A REED CREEK LOWER REED CR,NEW R	VA WO	500.00	0.90	450.00
** Subtotal **		500.00		450.00
** FERC Number 08796B REED CREEK UPPER REED CR,NEW R	VA WO	500.00	0.90	450.00
** Subtotal **		500.00		450.00
** FERC Number 09228 MCGAHEYSVILLE S FK SHENANDOAH R	VA WO	1500.00	0.90	1350.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			1500.00		1350.00
** FERC Number 09698 KITE S FK SHENANDOAH R	VA	WO	2000.00	0.50	1000.00
** Subtotal **			2000.00		1000.00
** FERC Number 09805 WOOLEN MILLS RIVANNA R	VA	WO	240.00	0.75	180.00
** Subtotal **			240.00		180.00
** FERC Number 09806 REIDS MAURY R	VA	WO	250.00	0.50	125.00
** Subtotal **			250.00		125.00
** FERC Number 09807 BROOKNEAL FALLING R, ROANOKE R	VA	WO	150.00	0.10	15.00
** Subtotal **			150.00		15.00
** FERC Number 09808 CA IRA WILLIS R	VA	WO	100.00	0.90	90.00
** Subtotal **			100.00		90.00
** FERC Number 09809 LAWHORNE ROCKFISH R, JAMES R	VA	WO	75.00	0.90	67.50
** Subtotal **			75.00		67.50

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number 10477 BURKE JAMES R	VA WO	2000.00 0.10	200.00
** Subtotal **		2000.00	200.00
** FERC Number 10631 TWELFTH STREET JAMES R	VA WO	11500.00 0.10	1150.00
** Subtotal **		11500.00	1150.00
** FERC Number 10645A BELLE ISLE JAMES R	VA WO	3000.00 0.10	300.00
** Subtotal **		3000.00	300.00
** FERC Number 10645B HOLLYWOOD JAMES R	VA WO	2025.00 0.10	202.50
** Subtotal **		2025.00	202.50
** FERC Number 10779 JOHN W FLANNAGAN POUND R	VA WO	7000.00 0.75	5250.00
** Subtotal **		7000.00	5250.00
** FERC Number 10896 PINNACLES (TALBOTT DAM) DAN R	VA WO	300.00 0.10	30.00
** Subtotal **		300.00	30.00
** FERC Number 11439 GATHRIGHT JACKSON R	VA WO	3000.00 0.50	1500.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			3000.00		1500.00
** FERC Number 11450 GATHRIGHT JACKSON R	VA	WO	4000.00	0.50	2000.00
** Subtotal **			4000.00		2000.00
** FERC Number VA001 BELLE ISLE JAMES R	VA	WO	10400.00	0.10	1040.00
** Subtotal **			10400.00		1040.00
** FERC Number VA002 BOULEVARD JAMES R	VA	WO	41400.00	0.10	4140.00
** Subtotal **			41400.00		4140.00
** FERC Number VA004 CUSHAW JAMES R	VA	WO	14755.00	0.90	13279.50
** Subtotal **			14755.00		13279.50
** FERC Number VA007 FALLING SPRINGS FALLING SPRINGS CR,JACKSON R	VA	WO	150.00	0.50	75.00
** Subtotal **			150.00		75.00
** FERC Number VA010 GATHRIGHT JACKSON R	VA	WO	49000.00	0.50	24500.00
** Subtotal **			49000.00		24500.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** FERC Number VA017 JOSHUA FALLS JAMES R	VA WO	38100.00 0.90	34290.00
** Subtotal **		38100.00	34290.00
** FERC Number VA019 LYLE JAMES R	VA WO	10000.00 0.10	1000.00
** Subtotal **		10000.00	1000.00
** FERC Number VA021 MAURY MAURY R	VA WO	69000.00 0.50	34500.00
** Subtotal **		69000.00	34500.00
** FERC Number VA023 MELROSE ROANOKE R	VA WO	19000.00 0.10	1900.00
** Subtotal **		19000.00	1900.00
** FERC Number VA030 REUSENS JAMES R	VA WO	15640.00 0.90	14076.00
** Subtotal **		15640.00	14076.00
** FERC Number VA031 SALEM CHURCH RAPPAHANNOCK R	VA WO	72700.00 0.10	7270.00
** Subtotal **		72700.00	7270.00
** FERC Number VA032 SCHOOLFIELD DAN R	VA WO	9400.00 0.10	940.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW) PESF	PESF * KW
** Subtotal **		9400.00	940.00
** FERC Number VA036 STUART SMITH R	VA WO	12000.00 0.90	10800.00
** Subtotal **		12000.00	10800.00
** FERC Number VA037 TABER ROANOKE R	VA WO	15400.00 0.10	1540.00
** Subtotal **		15400.00	1540.00
** FERC Number VA038 TWELFTH STREET JAMES R	VA WO	22700.00 0.10	2270.00
** Subtotal **		22700.00	2270.00
*** Total ***		1249670.00	616668.00

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
00342	BALCONY FALLS	JAMES R	VA

County Name	River Basin
ROCKBRIDGE	JAMES RIVER BASIN

Class	Owner Name
P	VIRGINIA ELEC & PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5800.00	0.10	580.00	26400.00	2640

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3737.00 7926.00
C	DIV	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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

RESOURCE DATABASE LISTING

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FERC Number	Plant Name	Stream	State Name
02317	LOWER BLUE RIDGE	NEW R	VA

County Name	River Basin
GRAYSON	KANAWHA RIVER BASIN

Class	Owner Name
P	APPALACHIAN POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200000.00	0.90	180000.00	215000.00	193500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3642.00 7959.00
C	STG	XX	WO		

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
02412	UNION STREET DAM	DAN R	VA

County Name	River Basin
PITTSYLVANIA	ROANOKE RIVER BASIN

Class	Owner Name
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I	DAN RIVER MILLS INC
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2200.00	0.10	220.00	14000.00	1400

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3635.00 7927.00
C	STG	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
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Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
02463	PARK	JAMES R	VA

County Name	River Basin
CHESTERFIELD	JAMES RIVER BASIN

Class		Owner Name		
P		VIRGINIA ELEC & PWR CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4180.00	0.10	418.00	24500.00	2450
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	DIV	XX	WO	3732.00 7727.00

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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
02831A	FOSTER FALLS	NEW R	VA

County Name	River Basin
WYTHE	KANAWHA RIVER BASIN

Class		Owner Name		
M		MARTINSVILLE, CITY OF		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
7000.00	0.90	6300.00	42100.00	37890

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3655.00 7950.00
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
02831B	MARTINSVILLE	SMITH R	VA

County Name	River Basin
HENRY	ROANOKE RIVER BASIN

Class	Owner Name
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M	MARTINSVILLE, CITY OF
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3000.00	0.90	2700.00	7848.00	7063.20

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3636.00 7953.00
C	STG	LJ	W		

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
02831C	RIDGEWAY	SMITH R	VA

County Name	River Basin
HENRY	ROANOKE RIVER BASIN

Class	Owner Name
M	MARTINSVILLE, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
17000.00	0.90	15300.00	37200.00	33480

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3633.00
C	ROR	XX	WO	Longitude	7943.00

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
02902	BIG ISLAND	JAMES R	VA

County Name	River Basin
BEDFORD	JAMES RIVER BASIN

Class		Owner Name		
I		NEKOOSE PACKAGING CORP		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5730.00	0.90	5157.00	17750.00	15975

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3732.00 7921.00
C	ROR	NO	W		

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

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FERC Number	Plant Name	Stream	State Name
03249	EDINBURG DAM	N FK SHENANDOAH R	VA

County Name	River Basin
SHENANDOAH	POTOMAC RIVER BASIN

Class		Owner Name		
P		VIRGINIA ELEC & PWR CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
500.00	0.50	250.00	1752.00	876

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3850.00
C	ROR	XX	WO	Longitude	7832.00

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	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
03287	BURNSHIRE	N FK SHENANDOAH R	VA

County Name	River Basin
SHENANDOAH	POTOMAC RIVER BASIN

Class	Owner Name
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R	GILBERT,BRITT R ET AL
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200.00	0.50	100.00	700.00	350

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3823.00 7827.00
C	ROR	LE	W		

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

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FERC Number	Plant Name	Stream	State Name
03844	JACKSON	OCCOQUAN CR,POTOMAC R	VA

County Name	River Basin
PRINCE WILLIAM	POTOMAC RIVER BASIN

Class	Owner Name
R	ATLANTIC PWR DEV CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
450.00	0.90	405.00	1577.00	1419.30

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3842.00
C	ROR	XX	WO	Longitude	7727.00

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
05453	GENITO	APPOMATTOX R	VA

County Name	River Basin
AMELIA	JAMES RIVER BASIN

Class		Owner Name		
M		APPOMATTOX RIVER WTR AUTH		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.10	400.00	14000.00	1400

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3727.00 7752.00
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	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
05456	COLEMANS FALLS	JAMES R	VA

County Name	River Basin
AMHERST	JAMES RIVER BASIN

Class		Owner Name		
I		NEKOOSA PACKAGING CORP		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2500.00	0.90	2250.00	11100.00	9990

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3732.00
C	ROR	LE	W	Longitude	7920.00

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
05596	BEDFORD	JAMES R	VA

County Name	River Basin
AMHERST	JAMES RIVER BASIN

Class	Owner Name
M	BEDFORD, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1090.00	0.90	981.00	1500.00	1350

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3735.00 7923.00
C	ROR	MO	W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection	0.90		Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location	0.90		Threatened/Endangered Wildlife		0.90
Cultural Value	0.90		Federal Land Code 103		0.90
Fish Presence Value	0.90		Federal Land Code 104		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
05838	NOTTOWAY RIVER DAM	NOTTOWAY R	VA

County Name	River Basin
NOTTOWAY	CHOWAN RIVER BASIN

Class	Owner Name
R	PICKETT HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
450.00	0.75	337.50	2000.00	1500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3659.00 7758.00
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	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
05844	MOTLEYS MILL	BANISTER R	VA

County Name	River Basin
PITTSYLVANIA	ROANOKE RIVER BASIN

Class		Owner Name		
R		BANISTER HYDRO ASSOC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200.00	0.90	180.00	800.00	720

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3646.00 7926.00
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
05845	KEYS MILL	MAURY R	VA

County Name	River Basin
ROCKBRIDGE	JAMES RIVER BASIN

Class	Owner Name
R	KEYS MILL HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
400.00	0.50	200.00	1600.00	800

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3743.00 7925.00
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	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
05869	EAST LEXINGTON	MAURY R	VA

County Name	River Basin
ROCKBRIDGE	JAMES RIVER BASIN

Class	Owner Name
R	E LEXINGTON HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
300.00	0.50	150.00	1200.00	600

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3745.00 7927.00
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	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
05927	GOOSE CREEK	GOOSE CR,POTOMAC R	VA

County Name	River Basin
LOUDOUN	POTOMAC RIVER BASIN

Class	Owner Name
R	GOOSE CREEK HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
350.00	0.10	35.00	1790.00	179

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3902.00 7732.00
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 Y		0.75
Cultural Value	Y	0.75	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
05992	EDMONDSON	M FK HOLSTON R	VA

County Name	River Basin
WASHINGTON	TENNESSEE RIVER BASIN

Class		Owner Name		
R		EDMONDSON HYDRO ASSOC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
600.00	0.90	540.00	2600.00	2340

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3643.00 8149.00
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
06898	CHAPMAN	N FK SHENANDOAH R	VA

County Name	River Basin
SHENANDOAH	POTOMAC RIVER BASIN

Class	Owner Name
R	SHENANDOAH HYDRO CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200.00	0.50	100.00	800.00	400

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3853.00 7829.00
C	ROR	LE	W		

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

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FERC Number	Plant Name	Stream	State Name
07163	LYNCHBURG	JAMES R	VA

County Name	River Basin
AMHERST	JAMES RIVER BASIN

Class	Owner Name
R	LYNCHBURG HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3400.00	0.90	3060.00	12000.00	10800

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3725.00 7909.00
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
07465	STEWARTS CREEK	STEWARTS CR,ARARAT R	VA

County Name	River Basin
CARROLL	YADKIN-PEE DEE RIVER BASIN

Class	Owner Name
R	PLESS,JOHN G SR

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
550.00	0.90	495.00	3132.00	2818.80

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3634.00
C	DIV	LE	U	Longitude	8048.00

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
07490	EMBREY	RAPPAHANNOCK R	VA

County Name	River Basin
STAFFORD	RAPPAHANNOCK RIVER BASIN

Class		Owner Name		
R		COMMONWEALTH HYDROELEC INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3000.00	0.10	300.00	13000.00	1300

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3819.00 7729.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
07513	OLD MILL	NORTH R,MIDDLE R	VA

County Name	River Basin
ROCKINGHAM	POTOMAC RIVER BASIN

Class	Owner Name
R	ROCKFISH CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
160.00	0.90	144.00	600.00	540

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3822.00 7903.00
C	ROR	LE	W		

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

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FERC Number	Plant Name	Stream	State Name
08209	DUNLAP CREEK	DUNLAP CR,JACKSON R	VA

County Name	River Basin
ALLEGHANY	JAMES RIVER BASIN

Class	Owner Name
R	BOYS HOME, INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
180.00	0.50	90.00	771.00	385.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3746.00 7957.00
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	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
08334	MANCHESTER	JAMES R	VA

County Name	River Basin
CHESTERFIELD	JAMES RIVER BASIN

Class	Owner Name
R	JAMES RIVER ASSOC II

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1300.00	0.10	130.00	6000.00	600

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3732.00 7727.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
08457	APPOMATTOX CNL(LOCKS)	UPPER APPOMATTOX CNL(APPOMATTO	VA

County Name	River Basin
DINWIDDIE	JAMES RIVER BASIN

Class	Owner Name
R	LOCKS HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1025.00	0.90	922.50	5000.00	4500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3715.00 7732.00
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
08796A	REED CREEK LOWER	REED CR,NEW R	VA

County Name	River Basin
WYTHE	KANAWHA RIVER BASIN

Class	Owner Name
R	ACT ENERGY CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
500.00	0.90	450.00	3000.00	2700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3656.00 8051.00
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
08796B	REED CREEK UPPER	REED CR,NEW R	VA

County Name	River Basin
WYTHE	KANAWHA RIVER BASIN

Class	Owner Name
R	ACT ENERGY CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
500.00	0.90	450.00	3000.00	2700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3655.00 8107.00
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
09228	MCGAHEYSVILLE	S FK SHENANDOAH R	VA

County Name	River Basin
ROCKINGHAM	POTOMAC RIVER BASIN

Class	Owner Name
R	ROCKINGHAM HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1500.00	0.90	1350.00	6300.00	5670

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3820.00
C	ROR	XX	WO	Longitude	7843.00

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
09698	KITE	S FK SHENANDOAH R	VA

County Name	River Basin
PAGE	POTOMAC RIVER BASIN

Class		Owner Name		
R		ALPERSTEIN,A A & SEIGEL R		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.50	1000.00	8897.00	4448.50
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3831.00 7837.00

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	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		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09805	WOOLEN MILLS	RIVANNA R	VA

County Name	River Basin
ALBEMARLE	JAMES RIVER BASIN

Class	Owner Name
R	ROCKFISH CORP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
240.00	0.75	180.00	1250.00	937.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3801.00	Longitude	7827.00
C	ROR	LE	WO				

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

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FERC Number	Plant Name	Stream	State Name
09806	REIDS	MAURY R	VA

County Name	River Basin
ROCKBRIDGE	JAMES RIVER BASIN

Class		Owner Name		
R		ROCKFISH CORP INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
250.00	0.50	125.00	2000.00	1000
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3747.00 7924.00

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	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
09807	BROOKNEAL	FALLING R, ROANOKE R	VA

County Name	River Basin
CAMPBELL	ROANOKE RIVER BASIN

Class	Owner Name
R	ROCKFISH CORP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
150.00	0.10	15.00	1000.00	100

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3703.00 7856.00
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	Y	0.10
Fish Presence Value		0.90	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		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
09808	CA IRA	WILLIS R	VA

County Name	River Basin
CUMBERLAND	JAMES RIVER BASIN

Class	Owner Name
R	ROCKFISH CORP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
100.00	0.90	90.00	700.00	630

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3728.00 7820.00
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
09809	LAWHORNE	ROCKFISH R,JAMES R	VA

County Name	River Basin
NELSON	JAMES RIVER BASIN

Class	Owner Name
R	ROCKFISH CORP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
75.00	0.90	67.50	500.00	450

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3748.00 7845.00
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
10477	BURKE	JAMES R	VA

County Name	River Basin
BOTETOURT	JAMES RIVER BASIN

Class	Owner Name
R	BURKE DAM HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.10	200.00	11600.00	1160

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3736.00 7946.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
10631	TWELFTH STREET	JAMES R	VA

County Name	River Basin
HENRICO	JAMES RIVER BASIN

Class	Owner Name
R	JAMES RIVER HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
11500.00	0.10	1150.00	57000.00	5700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3731.00 7726.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
10645A	BELLE ISLE	JAMES R	VA

County Name	River Basin
HENRICO	JAMES RIVER BASIN

Class	Owner Name
M	RICHMOND, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3000.00	0.10	300.00	18000.00	1800

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3732.00 7727.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
10645B	HOLLYWOOD	JAMES R	VA

County Name	River Basin
HENRICO	JAMES RIVER BASIN

Class	Owner Name
M	RICHMOND, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2025.00	0.10	202.50	12264.00	1226.40

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	WO	3732.00	7727.00

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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
10779	JOHN W FLANNAGAN	POUND R	VA

County Name	River Basin
DICKENSON	OHIO MAIN STREAM

Class	Owner Name
R	FLANNAGAN PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
7000.00	0.75	5250.00	19000.00	14250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3714.00 8221.00
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	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
10896	PINNACLES (TALBOTT DAM)	DAN R	VA

County Name	River Basin
PATRICK	ROANOKE RIVER BASIN

Class	Owner Name
M	DANVILLE, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
300.00	0.10	30.00	2467.00	246.70

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3641.00 8023.00
C	STG	MO	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11439	GATHRIGHT	JACKSON R	VA

County Name	River Basin
ALLEGHENY	JAMES RIVER BASIN

Class	Owner Name
M	HYDRO MATRIX PTNS,LTD

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3000.00	0.50	1500.00	22000.00	11000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3757.00 7957.00
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	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
11450	GATHRIGHT	JACKSON R	VA

County Name	River Basin
ALLEGHANY	JAMES RIVER BASIN

Class	Owner Name
M	CITY OF COVINGTON

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4000.00	0.50	2000.00	19000.00	9500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3757.00 7957.00
C	ROR	XX	WO		

<u>Factor</u>	<u>Exist</u>	<u>Prob</u>	<u>Factor</u>	<u>Exist</u>	<u>Prob</u>
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value	Y	0.75	Federal Land Code 104	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA001	BELLE ISLE	JAMES R	VA

County Name	River Basin
HENRICO	JAMES 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)
10400.00	0.10	1040.00	33000.00	3300

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3732.00 7727.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA002	BOULEVARD	JAMES R	VA

County Name	River Basin
HENRICO	JAMES 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)
41400.00	0.10	4140.00	123000.00	12300

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3732.00 7729.00
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 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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA003	BUCHANAN	JAMES R	VA

County Name	River Basin
BOTETOURT	JAMES 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)
1800.00	0.10	180.00	3640.00	364

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3734.00 7944.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	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	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
VA004	CUSHAW	JAMES R	VA

County Name	River Basin
AMHERST	JAMES RIVER BASIN

Class	Owner Name
P	VIRGINIA ELEC & PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
14755.00	0.90	13279.50	14940.00	13446

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3736.00
C	ROR		WO	Longitude	7923.00

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
VA005	DOG ISLAND 2	JAMES R	VA

County Name	River Basin
NELSON	JAMES 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)
15900.00	0.90	14310.00	51800.00	46620

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3743.00
C	STG		U	Longitude	7839.00

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
VA006	EAGLE ROCK	JAMES R	VA

County Name	River Basin
BOTETOURT	JAMES 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)
86300.00	0.10	8630.00	158000.00	15800

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	STG		U	3738.00	7948.00

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	Y	0.10
Fish Presence Value		0.90	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	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
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VA007	FALLING SPRINGS	FALLING SPRINGS CR,JACKSON R	VA
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County Name	River Basin
ALLEGHANY	JAMES RIVER BASIN

Class	Owner Name
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R	FIX,FREDDIE A
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
150.00	0.50	75.00	500.00	250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3753.00 7958.00
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	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA008	FREDERICKSBURG	RAPPAHANNOCK R	VA

County Name	River Basin
STAFFORD	RAPPAHANNOCK RIVER BASIN

Class	Owner Name			
NHPS/COE				
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15300.00	0.10	1530.00	38600.00	3860

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3819.00
C	STG		U	Longitude	7729.00

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	Y	0.10
Fish Presence Value		0.90	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	Y	0.50	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA009	FRIES JUNCTION	NEW R	VA

County Name	River Basin
GRAYSON	KANAWHA RIVER BASIN

Class	Owner Name
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15000.00	0.90	13500.00	105000.00	94500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3640.00 8100.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		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
VA010	GATHRIGHT	JACKSON R	VA

County Name	River Basin
ALLEGHANY	JAMES 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)
49000.00	0.50	24500.00	54700.00	27350

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3757.00 7957.00
C	STG	FA	WO		

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

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FERC Number	Plant Name	Stream	State Name
VA011	GILMAN	S ANNA R	VA

County Name	River Basin
HANOVER	YORK 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)
7500.00	0.10	750.00	16500.00	1650

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3749.00 7735.00
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	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	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		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA012	GLADSTONE	JAMES R	VA

County Name	River Basin
NELSON	JAMES 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)
86900.00	0.90	78210.00	204000.00	183600

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3732.00 7850.00
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
VA013	HATTON	JAMES R	VA

County Name	River Basin
ALBEMARLE	JAMES RIVER BASIN

Class	Owner Name			
NHPS/COE				
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
17330.00	0.10	1733.00	56560.00	5656

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3745.00
C	ROR		U	Longitude	7831.00

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	Y	0.10
Fish Presence Value		0.90	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	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
VA014	HAYSI	RUSSELL FK, POUND R	VA

County Name	River Basin
DICKENSON	OHIO MAIN STREAM

Class	Owner Name
F	CORPS OF ENGINEERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3170.00	0.25	792.50	5670.00	1417.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	STG		U	3716.00	8227.00

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	Y	0.50	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA015	HOLCOMBS ROCK	JAMES R	VA

County Name	River Basin
BEDFORD	JAMES RIVER BASIN

Class	Owner Name
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I	OWENS-ILLINOIS GLASS CO
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4300.00	0.90	3870.00	13500.00	12150

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3731.00 7916.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection	0.90		Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location	0.90		Threatened/Endangered Wildlife		0.90
Cultural Value	0.90		Federal Land Code 103		0.90
Fish Presence Value	0.90		Federal Land Code 104		0.90
Geologic Value	0.90		Federal Land Code 105		0.90
Historic Value	0.90		Federal Land Code 106		0.90
Other Value	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
VA016	HORSESHOE BEND	MAURY R	VA

County Name	River Basin
ROCKBRIDGE	JAMES 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)
19600.00	0.25	4900.00	43000.00	10750

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3740.00 7922.00
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	Y	0.50	Federal Land Code 103		0.90
Fish Presence Value		0.90	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	Y	0.50	Federal Land Code 107		0.90
Recreation Value	Y	0.25	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA017	JOSHUA FALLS	JAMES R	VA

County Name	River Basin
CAMPBELL	JAMES RIVER BASIN

Class	Owner Name
M	MARTINSVILLE, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
38100.00	0.90	34290.00	92600.00	83340

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3725.00 7904.00
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
VA018	KING	JACKSON R	VA

County Name	River Basin
ALLEGHANY	JAMES 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)
13620.00	0.10	1362.00	30710.00	3071

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR		U	3747.00	7956.00

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	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
VA019	LYLE	JAMES R	VA

County Name	River Basin
BOTETOURT	JAMES 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	57000.00	5700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3735.00 7944.00
C	DIV		WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA020	MAIDENS	JAMES R	VA

County Name	River Basin
POWHATAN	JAMES 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)
63000.00	0.90	56700.00	209000.00	188100

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3740.00 7754.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		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
VA021	MAURY	MAURY R	VA

County Name	River Basin
ROCKBRIDGE	JAMES 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)
69000.00	0.50	34500.00	61000.00	30500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3757.00 7928.00
C	STG		WO		

<u>Factor</u>	<u>Exist</u>	<u>Prob</u>	<u>Factor</u>	<u>Exist</u>	<u>Prob</u>
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103		0.90
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA022	MEADOW CREEK	MEADOW CR,CRAIG CR,JAMES R	VA

County Name	River Basin
CRAIG	JAMES RIVER BASIN

Class	Owner Name
C	CRAIG BOTETOURT EL COOP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1500.00	0.10	150.00	3620.00	362

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3729.00 8008.00
C	DIV		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value	Y	0.75	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104	Y	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		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA023	MELROSE	ROANOKE R	VA

County Name	River Basin
CAMPBELL	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)
19000.00	0.10	1900.00	50200.00	5020

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3700.00 7903.00
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	Y	0.10
Fish Presence Value		0.90	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		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
VA024	MEREDITH	MEHERRIN R	VA

County Name	River Basin
BRUNSWICK	CHOWAN 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)
800.00	0.50	400.00	6500.00	3250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3646.00 7802.00
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	Y	0.50	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA025	NEWMANS MILL	S ANNA R,PAMUNKEY R	VA

County Name	River Basin
HANOVER	YORK 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)
3100.00	0.10	310.00	4000.00	400

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3742.00 7729.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	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		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA026	NORWOOD DEV 1	TYE R,PINEY R	VA

County Name	River Basin
NELSON	JAMES 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)
22100.00	0.25	5525.00	53900.00	13475

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3739.00 7849.00
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	Y	0.50	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.50	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA027	NORWOOD DEV 2	JAMES R	VA

County Name	River Basin
NELSON	JAMES 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)
15100.00	0.90	13590.00	49300.00	44370

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3738.00 7845.00
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
VA028	OCCOQUAN	OCCOQUAN CR,POTOMAC R	VA

County Name	River Basin
PRINCE WILLIAM	POTOMAC RIVER BASIN

Class	Owner Name
M	FAIRFAX COUNTY WATER AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5250.00	0.90	4725.00	10160.00	9144

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3842.00 7717.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103		0.90
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		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
VA029	ORISKANY	CRAIG CR,JAMES R	VA

County Name	River Basin
BOTETOURT	JAMES 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)
12000.00	0.10	1200.00	26200.00	2620

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3742.00 7953.00
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	Y	0.50	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104	Y	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	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
VA030	REUSENS	JAMES R	VA

County Name	River Basin
AMHERST	JAMES RIVER BASIN

Class	Owner Name
P	APPALACHIAN POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15640.00	0.90	14076.00	13150.00	11835

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3728.00
C	ROR		WO	Longitude	7911.00

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
VA031	SALEM CHURCH	RAPPAHANNOCK R	VA

County Name	River Basin
STAFFORD	RAPPAHANNOCK 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)
72700.00	0.10	7270.00	126200.00	12620

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3819.00 7731.00
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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA032	SCHOOLFIELD	DAN R	VA

County Name	River Basin
PITTSYLVANIA	ROANOKE RIVER BASIN

Class	Owner Name
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I	DAN RIVER MILLS INC
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Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9400.00	0.10	940.00	9900.00	990

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3634.00 7928.00
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	Y	0.75
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value	Y	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA033	SCHUYLER 1 & 2	ROCKFISH R,JAMES R	VA

County Name	River Basin
NELSON	JAMES RIVER BASIN

Class	Owner Name
I	GEORGIA MARBLE CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1350.00	0.10	135.00	3900.00	390

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3747.00 7842.00
C	ROR		W		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA034	SEVEN ISLANDS 1	JAMES R	VA

County Name	River Basin
FLUVANNA	JAMES 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)
35200.00	0.10	3520.00	107400.00	10740

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3744.00 7821.00
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	Y	0.10
Fish Presence Value		0.90	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	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
VA035	SPRINGWOOD	JAMES R	VA

County Name	River Basin
BOTETOURT	JAMES 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)
2800.00	0.10	280.00	5560.00	556

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3734.00 7944.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value		0.90
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	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	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
VA036	STUART	SMITH R	VA

County Name	River Basin
HENRY	ROANOKE 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)
12000.00	0.90	10800.00	40000.00	36000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3631.00 7941.00
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
VA037	TABER	ROANOKE R	VA

County Name	River Basin
CAMPBELL	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)
15400.00	0.10	1540.00	42600.00	4260

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3700.00 7912.00
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	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA038	TWELFTH STREET	JAMES R	VA

County Name	River Basin
HENRICO	JAMES RIVER BASIN

Class	Owner Name
P	VIRGINIA ELEC & PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
22700.00	0.10	2270.00	83400.00	8340

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3732.00
C	DIV		WO	Longitude	7727.00

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	Y	0.10
Fish Presence Value		0.90	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	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA039	UPPER CUSHAW	JAMES R	VA

County Name	River Basin
AMHERST	JAMES 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)
3100.00	0.90	2790.00	20000.00	18000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3737.00
C	ROR		U	Longitude	7923.00

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
VA040	VARNEY FALLS	JAMES R	VA

County Name	River Basin
ROCKBRIDGE	JAMES RIVER BASIN

Class	Owner Name
NHPS/COE	
Name Plate Rating (KW)	Annual Energy Rating (MWh)
18700.00	42160.00
PESF 0.10	PESF Annual Energy Rating (MWh) 4216

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	STG		U	3735.00 7934.00

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	Y 0.10
Fish Presence Value	0.90	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	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
VA041	VERDON	N ANNA R	VA

County Name	River Basin
CAROLINE	YORK 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)
14300.00	0.10	1430.00	31300.00	3130

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3752.00 7930.00
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	Y	0.10
Fish Presence Value		0.90	Federal Land Code 104		0.90
Geologic Value		0.90	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		0.90	Federal Land Code 198		0.90

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FERC Number	Plant Name	Stream	State Name
VA042	WESTERN BRIDGE	MEHERRIN R	VA

County Name	River Basin
BRUNSWICK	CHOWAN 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)
1100.00	0.50	550.00	6240.00	3120

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3646.00 7802.00
C	ROR		U		

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

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FERC Number	Plant Name	Stream	State Name
VA043	WEVERTON	POTOMAC R	VA

County Name	River Basin
LOUDOUN	POTOMAC 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)
60000.00	0.10	6000.00	200000.00	20000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	0.00 0.00
C	ROR		U		

<u>Factor</u>	<u>Exist</u>	<u>Prob</u>	<u>Factor</u>	<u>Exist</u>	<u>Prob</u>
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	Y	0.50
Cultural Value		0.90	Federal Land Code 103	Y	0.10
Fish Presence Value		0.90	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	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

M98052566

Report Number (14) DOE/ID--10430(VA)

Publ. Date (11) 199712

Sponsor Code (18) DOE/EE, XF

UC Category (19) UC-900, DOE/ER

DOE