U.S. Hydropower Resource Assessment for Pennsylvania

Prepared by:
Alison M. Conner
James E. Francfort

Project Manager:
Ben N. Rinehart

MASTER

Published December 1997

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

**Idaho National Engineering and Environmental Laboratory
Renewable Energy Products Department
Lockheed Martin Idaho Technologies Company
Idaho Falls, Idaho 83415**

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

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

**Portions of this document may be illegible
electronic image products. Images are
produced from the best available original
document.**

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 Pennsylvania.

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, and Jack Kraeuter and Kirk A. Kreider of the State of Pennsylvania for their active participation and timely comments.

CONTENTS

ABSTRACT	iii
ACKNOWLEDGMENTS	v
INTRODUCTION	1
Model Development	1
Model Goal	1
Dam Status	2
ASSESSMENT RESULTS	2
Summary Results	2
Detailed Results	5
OBTAINING INDIVIDUAL STATE INFORMATION	5
ADDITIONAL HYDROPOWER EVALUATION SOFTWARE INFORMATION	6
REFERENCES	7
Appendix A—Summary Report	
Appendix B—River Basins Report	
Appendix C—Pennsylvania Sites List	
Appendix D—Individual Resource Database List	

FIGURES

1. Number of sites, by capacity groups, with HES-modeled undeveloped hydropower potential	3
2. The nonmodeled and HES-modeled undeveloped hydropower potential	3
3. The number of sites with undeveloped hydropower potential and the total megawatts of HES-modeled undeveloped hydropower potential	4

4. Number of sites with undeveloped hydropower potential in the Pennsylvania river basins..... 4
5. Megawatts of HES-modeled undeveloped hydropower potential in the Pennsylvania river basins... 5

TABLES

1. Undeveloped hydropower potential summary for Pennsylvania..... 2

U.S. Hydropower Resource Assessment for Pennsylvania

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 40 states. This report presents the results of the hydropower resource assessment for the State of Pennsylvania. 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, and Rinehart 1991) for the specifics of the software and to DOE/ID-10430.1, the *Status Report* (Conner, Francfort, and 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 104 sites (Table 1) have been identified and assessed for their undeveloped

hydropower potential. The HES results for individual site capacities range from 20 kilowatts (kW) to 106 megawatts (MW). The majority (84%) of the sites in Pennsylvania are less than 10 MW. (Figure 1).

The nonmodeled undeveloped hydropower potential total for Pennsylvania was identified as 2,217 MW. The HES results lowers this estimate about 68% to 703 MW. The greatest reduction in undeveloped hydropower potential, by MW, occurs at undeveloped sites (U). These sites have a HES-modeled undeveloped hydropower potential of 411 MW, a 1,290-MW reduction in the estimated undeveloped hydropower potential (Figure 2). Figure 3 correlates the number of sites that have undeveloped hydropower potential with the total megawatts of HES-modeled undeveloped hydropower potential.

The 104 identified sites are located within six major river basins. The number of sites per major river basin ranges from three in the Ohio Main Stream to 32 in the Susquehanna River Basin (Figure 4). Fifty-six percent of the undeveloped hydropower potential in the State of Pennsylvania lies within the Susquehanna River Basin (Figure 5).

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

	Number of sites	Nameplate potential (MW)	HES-modeled potential (MW)
With Power	5	206.9	104.6
W/O Power	67	309.8	187.3
Undeveloped	32	1,700.6	410.6
State Total	104	2,217.3	702.5

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 Pennsylvania river basins.

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

Detailed Results

The appendices contain, in the form of HES-generated reports, detailed information about the undeveloped hydropower potential in Pennsylvania. 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 104 sites in Pennsylvania. 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.

Method of Payment—Customers may pay for reports (and other NTIS products and services) by (a) credit card (American Express, Visa or MasterCard); (b) check or money order on a United States bank payable to NTIS; (c) NTIS deposit account; or, (d) by asking to be billed (add \$7.50 per order), United States, Canada, and Mexico, only.

Handling Fee—A \$4.00 handling fee per total order applies to orders from the United States, Canada, and Mexico. Handling charges do not apply to rush order service or pick-up orders.

Postage and Shipping—Orders are shipped first class mail, or equivalent, to addresses in the United States, Canada, and Mexico.

Order Turnaround Time—Orders for technical reports generally are shipped within 3 to 5 days of receipt. For faster service, NTIS offers rush order service.

Rush Order Service—Call 1-800-533-NTIS. In Virginia, Canada, and Mexico call (703) 487-4700. For NTIS rush order service add \$15 per item. This guarantees that an order will be processed through NTIS within 24 hours of its receipt. These orders receive immediate,

individual attention. The items ordered are delivered by first call mail. Call NTIS for information on rush order service for computer products.

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

ADDITIONAL HYDROPOWER EVALUATION SOFTWARE INFORMATION

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

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

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

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

Jack Kraeuter
Pennsylvania Department of Environmental Protection, Bureau of Waterways Engineering
Rachel Carson State Office Building
P.O. Box 8554
Harrisburg, PA 17105-8554
(717)787-8568

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: 10/31/97

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>
PA	With Power	5	206940	104550
	W/O Power	67	309812	187375.10
	Undeveloped	32	1700620	410589.50
	STATE TOTAL	104	2217372	702514.60
TOTALS	With Power	5	206940	104550
	W/O Power	67	309812	187375.10
	Undeveloped	32	1700620	410589.50
GRAND TOTAL		104	2217372	702514.60

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 ALLEGHENY RIVER BASIN					
PA001	BEAVER RUN BEAVER RUN, KISKIMINETAS R	U	1100.00	0.50	550.00
PA026	ST PETERSBURG 3 CLARION R	U	120000.00	0.25	30000.00
PA028	TWO LICK CREEK TWO LICK CR, CONEMAUGH R	U	1220.00	0.50	610.00
PA031	YELLOW CREEK STATE PARK YELLOW CR, CONEMAUGH R	U	650.00	0.25	162.50
PA030	WOODCOCK CREEK WOODCOCK CR, ALLEGHENY R	WO	1000.00	0.10	100.00
03690	QUEMAHONING QUEMAHONING CR, CONEMAUGH R	WO	1330.00	0.90	1197.00
04017	ALLEGHENY L&D 2 ALLEGHENY R	WO	11600.00	0.90	10440.00
04474	ALLEGHENY L&D 3 ALLEGHENY R	WO	12000.00	0.75	9000.00
07768	UNION CITY DAM FRENCH CR, ALLEGHENY R	WO	5490.00	0.10	549.00
07909	ALLEGHENY L&D 4 ALLEGHENY R	WO	15000.00	0.50	7500.00
07914	ALLEGHENY L&D 7 ALLEGHENY R	WO	15000.00	0.90	13500.00
09227	UNION CITY FRENCH CR, ALLEGHENY R	WO	5490.00	0.10	549.00
10521	MAHONING CREEK MAHONING CR, ALLEGHENY R	WO	5000.00	0.10	500.00
10537	CROOKED CREEK CROOKED CR, ALLEGHENY R	WO	2500.00	0.10	250.00
10929	EAST BRANCH CLARION E BR CLARION R	WO	2400.00	0.10	240.00
11010	LOYALHANNA LOYALHANNA CR, KISKIMINETAS R	WO	2100.00	0.10	210.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
11048	TIONESTA TIONESTA CR, ALLEGHENY R	WO	5000.00	0.10	500.00
** Subtotal **			206880.00		75857.50
** River Basin BEAVER RIVER BASIN					
PA006	DAM 1 CONNOQUENESSING R	U	45000.00	0.90	40500.00
PA007	DAM 2 SLIPPERY ROCK CR, CONNOQUENESSI	U	13000.00	0.10	1300.00
PA008	DAM 3 SLIPPERY ROCK CR, CONNOQUENESSI	U	25000.00	0.25	6250.00
PA009	DAM 4 SLIPPERY ROCK CR, CONNOQUENESSI	U	17000.00	0.25	4250.00
PA022	MORAINES ST PARK MUDDY CR, CONNOQUENESSING R	U	900.00	0.25	225.00
09390	PYMATUNING SHENANGO R	U	670.00	0.25	167.50
03519	PATTERSON BEAVER R	W	2700.00	0.90	2430.00
03450	EASTVALE BEAVER R	WO	440.00	0.90	396.00
04142	SHENANGO SHENANGO R	WO	1700.00	0.10	170.00
07293	ELLWOOD CITY CONNOQUENESSING CR, BEAVER R	WO	6000.00	0.75	4500.00
** Subtotal **			112410.00		60188.50
** River Basin DELAWARE RIVER BASIN					
PA021	MAUCH CHUNK LEHIGH R	U	150000.00	0.10	15000.00
09026	LEHMAN LITTLE BUSH KILL, DELAWARE R	U	1150.00	0.25	287.50
09726	LEHIGH STATION LEHIGH R	U	600.00	0.10	60.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
00487	WALLENPAUPACK WALLENPAUPACK CR, LACKAWAXEN R	W	40000.00	0.50	20000.00
08126	PIGGY BACK DELAWARE R	W	40.00	0.50	20.00
PA014	GREEN LANE DAM PERKIOMEN CR, SCHUYLKILL R	WO	830.00	0.50	415.00
PA017	HANOVER 7 DAM (ALLENTOWN) LEHIGH R	WO	1760.00	0.75	1320.00
PA024	PENN FOREST DAM WILD CR, POHOPOCO CR	WO	495.00	0.50	247.50
PA027	TREICHLERS (NO 4 DAM) LEHIGH R	WO	1430.00	0.50	715.00
02969	FRANCIS E WALTER LEHIGH R	WO	10310.00	0.10	1031.00
03027	PROMPTON DAM W BR LACKAWAXEN R	WO	1260.00	0.10	126.00
03227	FAIRMOUNT DAM SCHUYLKILL R	WO	2000.00	0.50	1000.00
03547	CHAIN DAM LEHIGH R	WO	2400.00	0.50	1200.00
03845	B F GOODRICH PERKIOMEN CR, SCHUYLKILL R	WO	290.00	0.75	217.50
05146	HAMILTON STREET LEHIGH R	WO	2030.00	0.50	1015.00
05833	EASTON/RAUBSVILLE LEHIGH R	WO	750.00	0.50	375.00
05834	AUBURN SCHUYLKILL R	WO	1000.00	0.75	750.00
05835	FELIX DAM SCHUYLKILL R	WO	1500.00	0.75	1125.00
08061	NORRISTOWN SCHUYLKILL R	WO	1800.00	0.50	900.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
08064	VINCENT SCHUYLKILL R	WO	1200.00	0.50	600.00
08716	NEW HOPE (UNION MILLS) DELAWARE R	WO	5636.00	0.50	2818.00
09531	PLYMOUTH SCHUYLKILL R	WO	1600.00	0.75	1200.00
10131	PENN III SHOHOLA CR, DELAWARE R	WO	1615.00	0.50	807.50
10132	PENN II SHOHOLA CR, DELAWARE R	WO	4350.00	0.50	2175.00
10133	PENN I SHOHOLA CR, DELAWARE R	WO	4350.00	0.50	2175.00
10717	BLUE MARSH DAM TUPEHOCKEN CR, SCHUYLKILL R	WO	400.00	0.10	40.00
10912	FLAT ROCK SCHUYLKILL R	WO	2500.00	0.75	1875.00
11066	WISMER'S LOCKS SCHUYLKILL R	WO	1050.00	0.90	945.00
11215	NOCKAMIXON TOHICKON CR, DELAWARE R	WO	1500.00	0.50	750.00
11303	BELTZVILLE POHOPOCO CR, LEHIGH R	WO	1000.00	0.10	100.00
** Subtotal **			244846.00		59290.00
** River Basin MONONGAHELA RIVER BASIN					
PA010	DAM A YOUGHIOGHENY R	U	25000.00	0.25	6250.00
PA011	DAM B YOUGHIOGHENY R	U	25000.00	0.25	6250.00
PA012	DAM C YOUGHIOGHENY R	U	15000.00	0.10	1500.00
PA029	VICTORIA YOUGHIOGHENY R	U	84700.00	0.10	8470.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
04675	MONONGAHELA L&D 4 MONONGAHELA R	WO	8250.00	0.50	4125.00
04866	MONONGAHELA L&D 3 MONONGAHELA R	WO	2250.00	0.90	2025.00
05897	INDIAN CREEK INDIAN CR, YOUGHIOGHENY R	WO	650.00	0.50	325.00
08762	MONONGAHELA L&D 2 MONONGAHELA R	WO	2250.00	0.90	2025.00
08908	MAXWELL L&D MONONGAHELA R	WO	10000.00	0.75	7500.00
09027	MONONGAHELA L&D 7 MONONGAHELA R	WO	5000.00	0.75	3750.00
10938	GRAYS LANDING MONONGAHELA R	WO	6700.00	0.75	5025.00
11456	POINT MARION MONONGAHELA R	WO	5000.00	0.90	4500.00
** Subtotal **			189800.00		51745.00
** River Basin OHIO MAIN STREAM					
02971	MONTGOMERY L&D OHIO R	WO	20000.00	0.90	18000.00
07041	EMSWORTH L&D OHIO R	WO	20000.00	0.90	18000.00
11438	DASHIELDS L&D OHIO R	WO	25000.00	0.90	22500.00
** Subtotal **			65000.00		58500.00
** River Basin SUSQUEHANNA RIVER BASIN					
PA003	CASTLE GARDEN BENNETT BR, SINNEMAHOING CR	U	50000.00	0.90	45000.00
PA004	CONEWAGO CONEWAGO CR, SUSQUEHANNA R	U	23000.00	0.25	5750.00
PA005	CYPHER STATION RAYSTOWN BR, JUNIATA R	U	16000.00	0.90	14400.00

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
PA013	FALLS SUSQUEHANNA R	U	250000.00	0.25	62500.00
PA015	HALLSTEAD SUSQUEHANNA R	U	12200.00	0.25	3050.00
PA018	HEPBURN STREET W BR SUSQUEHANNA R	U	6360.00	0.25	1590.00
PA019	HERSHEY SWATARA CR, SUSQUEHANNA R	U	13000.00	0.25	3250.00
PA020	KEATING W BR SUSQUEHANNA R	U	423600.00	0.25	105900.00
PA023	MUNCY W BR SUSQUEHANNA R	U	60000.00	0.25	15000.00
PA025	SHOCK MILLS SUSQUEHANNA R	U	300000.00	0.10	30000.00
04967	PA LOW HEAD 1 WAPWALLOPEN CR, SUSQUEHANNA R	U	1800.00	0.25	450.00
08138	CURWENSVILLE W BR SUSQUEHANNA R	U	1750.00	0.10	175.00
08280	JEDDO TUNNEL MINE DR, L NESCOPECK CR, SUSQ	U	2000.00	0.10	200.00
09427	SUNBURY SUSQUEHANNA R	U	14200.00	0.10	1420.00
09755	PIGGY BACK SUSQUEHANNA R	U	720.00	0.10	72.00
01881	HOLTWOOD SUSQUEHANNA R	W	162000.00	0.50	81000.00
01888	YORK HAVEN SUSQUEHANNA R	W	2200.00	0.50	1100.00
PA002	CARLISLE CONODOGUINET CR, SUSQUEHANNA R	WO	400.00	0.50	200.00
PA016	HAMMOND CROOKED CR, TIOGA R	WO	1155.00	0.10	115.50

HYDROPOWER RESOURCE ASSESSMENT BY RIVER BASIN

FERC Number	Plant Name/ Stream	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
03357	TIOGA-HAMMOND CROOKED CR,TIOGA R	WO	2900.00	0.10	290.00
07033	ROCK HILL CONESTOGA R,SUSQUEHANNA R	WO	540.00	0.50	270.00
07072	LOCK HAVEN W BR SUSQUEHANNA R	WO	3120.00	0.50	1560.00
07302	SPRING CREEK SPRING CR,N BALD EAGLE CR	WO	250.00	0.50	125.00
07983	RALSTON RED RUN,LYCOMING CR,SUSQUEHANN	WO	500.00	0.50	250.00
08274	ALVIN R BUSH KETTLE CR,W BR SUSQUEHANNA R	WO	975.00	0.10	97.50
09258	F JOSEPH SAYERS N BALD EAGLE CR,W BR SUSQUEHAN	WO	1625.00	0.10	162.50
09695	LITTLE PINE CREEK LITTLE PINE CR,PINE CR	WO	960.00	0.50	480.00
09764	G STEVENSON FIRST FK SINNEMAHONING CR	WO	920.00	0.50	460.00
09835	COWANESQUE COWANESQUE R	WO	2661.00	0.10	266.10
09997	SWENGLE PENNS CR,SUSQUEHANNA R	WO	200.00	0.50	100.00
10418	DOCK STREET DAM SUSQUEHANNA R	WO	34400.00	0.50	17200.00
10902	GEORGE B STEVENSON FIRST FK SINNEMAHONING CR	WO	9000.00	0.50	4500.00
** Subtotal **			1398436.00		396933.60
*** Total ***			2217372.00		702514.60

Appendix C
Pennsylvania Sites List

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 04967 PA LOW HEAD 1 WAPWALLOPEN CR, SUSQUEHANNA R	PA	U	1800.00	0.25	450.00
** Subtotal **			1800.00		450.00
** FERC Number 08138 CURWENSVILLE W BR SUSQUEHANNA R	PA	U	1750.00	0.10	175.00
** Subtotal **			1750.00		175.00
** FERC Number 08280 JEDDO TUNNEL MINE DR, L NESCOPECK CR, SUSQ	PA	U	2000.00	0.10	200.00
** Subtotal **			2000.00		200.00
** FERC Number 09026 LEHMAN LITTLE BUSH KILL, DELAWARE R	PA	U	1150.00	0.25	287.50
** Subtotal **			1150.00		287.50
** FERC Number 09390 PYMATUNING SHENANGO R	PA	U	670.00	0.25	167.50
** Subtotal **			670.00		167.50
** FERC Number 09427 SUNBURY SUSQUEHANNA R	PA	U	14200.00	0.10	1420.00
** Subtotal **			14200.00		1420.00
** FERC Number 09726 LEHIGH STATION LEHIGH R	PA	U	600.00	0.10	60.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			600.00		60.00
** FERC Number 09755 PIGGY BACK SUSQUEHANNA R	PA	U	720.00	0.10	72.00
** Subtotal **			720.00		72.00
** FERC Number PA001 BEAVER RUN BEAVER RUN, KISKIMINETAS R	PA	U	1100.00	0.50	550.00
** Subtotal **			1100.00		550.00
** FERC Number PA003 CASTLE GARDEN BENNETT BR, SINNEMAHOING CR	PA	U	50000.00	0.90	45000.00
** Subtotal **			50000.00		45000.00
** FERC Number PA004 CONEWAGO CONEWAGO CR, SUSQUEHANNA R	PA	U	23000.00	0.25	5750.00
** Subtotal **			23000.00		5750.00
** FERC Number PA005 CYPHER STATION RAYSTOWN BR, JUNIATA R	PA	U	16000.00	0.90	14400.00
** Subtotal **			16000.00		14400.00
** FERC Number PA006 DAM 1 CONNOQUENESSING R	PA	U	45000.00	0.90	40500.00
** Subtotal **			45000.00		40500.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number PA007					
DAM 2	PA	U	13000.00	0.10	1300.00
SLIPPERY ROCK CR, CONNOQUENESSI					
** Subtotal **					
			13000.00		1300.00
** FERC Number PA008					
DAM 3	PA	U	25000.00	0.25	6250.00
SLIPPERY ROCK CR, CONNOQUENESSI					
** Subtotal **					
			25000.00		6250.00
** FERC Number PA009					
DAM 4	PA	U	17000.00	0.25	4250.00
SLIPPERY ROCK CR, CONNOQUENESSI					
** Subtotal **					
			17000.00		4250.00
** FERC Number PA010					
DAM A	PA	U	25000.00	0.25	6250.00
YUGHIOGHENY R					
** Subtotal **					
			25000.00		6250.00
** FERC Number PA011					
DAM B	PA	U	25000.00	0.25	6250.00
YUGHIOGHENY R					
** Subtotal **					
			25000.00		6250.00
** FERC Number PA012					
DAM C	PA	U	15000.00	0.10	1500.00
YUGHIOGHENY R					
** Subtotal **					
			15000.00		1500.00
** FERC Number PA013					
FALLS	PA	U	250000.00	0.25	62500.00
SUSQUEHANNA R					

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **		250000.00		62500.00
** FERC Number PA015 HALLSTEAD SUSQUEHANNA R	PA U	12200.00	0.25	3050.00
** Subtotal **		12200.00		3050.00
** FERC Number PA018 HEPBURN STREET W BR SUSQUEHANNA R	PA U	6360.00	0.25	1590.00
** Subtotal **		6360.00		1590.00
** FERC Number PA019 HERSHEY SWATARA CR, SUSQUEHANNA R	PA U	13000.00	0.25	3250.00
** Subtotal **		13000.00		3250.00
** FERC Number PA020 KEATING W BR SUSQUEHANNA R	PA U	423600.00	0.25	105900.00
** Subtotal **		423600.00		105900.00
** FERC Number PA021 MAUCH CHUNK LEHIGH R	PA U	150000.00	0.10	15000.00
** Subtotal **		150000.00		15000.00
** FERC Number PA022 MORaine ST PARK MUDDY CR, CONNOQUENESSING R	PA U	900.00	0.25	225.00
** Subtotal **		900.00		225.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number PA023 MUNCY W BR SUSQUEHANNA R	PA	U	60000.00	0.25	15000.00
** Subtotal **			60000.00		15000.00
** FERC Number PA025 SHOCK MILLS SUSQUEHANNA R	PA	U	300000.00	0.10	30000.00
** Subtotal **			300000.00		30000.00
** FERC Number PA026 ST PETERSBURG 3 CLARION R	PA	U	120000.00	0.25	30000.00
** Subtotal **			120000.00		30000.00
** FERC Number PA028 TWO LICK CREEK TWO LICK CR, CONEMAUGH R	PA	U	1220.00	0.50	610.00
** Subtotal **			1220.00		610.00
** FERC Number PA029 VICTORIA YOUGHIOGHENY R	PA	U	84700.00	0.10	8470.00
** Subtotal **			84700.00		8470.00
** FERC Number PA031 YELLOW CREEK STATE PARK YELLOW CR, CONEMAUGH R	PA	U	650.00	0.25	162.50
** Subtotal **			650.00		162.50
** FERC Number 00487 WALLENPAUPACK WALLENPAUPACK CR, LACKAWAXEN R	PA	W	40000.00	0.50	20000.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **		40000.00		20000.00
** FERC Number 01881 HOLTWOOD SUSQUEHANNA R	PA W	162000.00	0.50	81000.00
** Subtotal **		162000.00		81000.00
** FERC Number 01888 YORK HAVEN SUSQUEHANNA R	PA W	2200.00	0.50	1100.00
** Subtotal **		2200.00		1100.00
** FERC Number 03519 PATTERSON BEAVER R	PA W	2700.00	0.90	2430.00
** Subtotal **		2700.00		2430.00
** FERC Number 08126 PIGGY BACK DELAWARE R	PA W	40.00	0.50	20.00
** Subtotal **		40.00		20.00
** FERC Number 02969 FRANCIS E WALTER LEHIGH R	PA WO	10310.00	0.10	1031.00
** Subtotal **		10310.00		1031.00
** FERC Number 02971 MONTGOMERY L&D OHIO R	PA WO	20000.00	0.90	18000.00
** Subtotal **		20000.00		18000.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 03027 PROMPTON DAM W BR LACKAWAXEN R	PA	WO	1260.00	0.10	126.00
** Subtotal **			1260.00		126.00
** FERC Number 03227 FAIRMOUNT DAM SCHUYLKILL R	PA	WO	2000.00	0.50	1000.00
** Subtotal **			2000.00		1000.00
** FERC Number 03357 TIOGA-HAMMOND CROOKED CR,TIOGA R	PA	WO	2900.00	0.10	290.00
** Subtotal **			2900.00		290.00
** FERC Number 03450 EASTVALE BEAVER R	PA	WO	440.00	0.90	396.00
** Subtotal **			440.00		396.00
** FERC Number 03547 CHAIN DAM LEHIGH R	PA	WO	2400.00	0.50	1200.00
** Subtotal **			2400.00		1200.00
** FERC Number 03690 QUEMAHONING QUEMAHONING CR,CONEMAUGH R	PA	WO	1330.00	0.90	1197.00
** Subtotal **			1330.00		1197.00
** FERC Number 03845 B F GOODRICH PERKIOMEN CR,SCHUYLKILL R	PA	WO	290.00	0.75	217.50

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **		290.00		217.50
** FERC Number 04017 ALLEGHENY L&D 2 ALLEGHENY R	PA WO	11600.00	0.90	10440.00
** Subtotal **		11600.00		10440.00
** FERC Number 04142 SHENANGO SHENANGO R	PA WO	1700.00	0.10	170.00
** Subtotal **		1700.00		170.00
** FERC Number 04474 ALLEGHENY L&D 3 ALLEGHENY R	PA WO	12000.00	0.75	9000.00
** Subtotal **		12000.00		9000.00
** FERC Number 04675 MONONGAHELA L&D 4 MONONGAHELA R	PA WO	8250.00	0.50	4125.00
** Subtotal **		8250.00		4125.00
** FERC Number 04866 MONONGAHELA L&D 3 MONONGAHELA R	PA WO	2250.00	0.90	2025.00
** Subtotal **		2250.00		2025.00
** FERC Number 05146 HAMILTON STREET LEHIGH R	PA WO	2030.00	0.50	1015.00
** Subtotal **		2030.00		1015.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 05833 EASTON/RAUBSVILLE LEHIGH R	PA	WO	750.00	0.50	375.00
** Subtotal **			750.00		375.00
** FERC Number 05834 AUBURN SCHUYLKILL R	PA	WO	1000.00	0.75	750.00
** Subtotal **			1000.00		750.00
** FERC Number 05835 FELIX DAM SCHUYLKILL R	PA	WO	1500.00	0.75	1125.00
** Subtotal **			1500.00		1125.00
** FERC Number 05897 INDIAN CREEK INDIAN CR, YOUGHIOGHENY R	PA	WO	650.00	0.50	325.00
** Subtotal **			650.00		325.00
** FERC Number 07033 ROCK HILL CONESTOGA R, SUSQUEHANNA R	PA	WO	540.00	0.50	270.00
** Subtotal **			540.00		270.00
** FERC Number 07041 EMSWORTH L&D OHIO R	PA	WO	20000.00	0.90	18000.00
** Subtotal **			20000.00		18000.00
** FERC Number 07072 LOCK HAVEN W BR SUSQUEHANNA R	PA	WO	3120.00	0.50	1560.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			3120.00		1560.00
** FERC Number 07293 ELLWOOD CITY CONNOQUENESSING CR,BEAVR R	PA	WO	6000.00	0.75	4500.00
** Subtotal **			6000.00		4500.00
** FERC Number 07302 SPRING CREEK SPRING CR,N BALD EAGLE CR	PA	WO	250.00	0.50	125.00
** Subtotal **			250.00		125.00
** FERC Number 07768 UNION CITY DAM FRENCH CR,ALLEGHENY R	PA	WO	5490.00	0.10	549.00
** Subtotal **			5490.00		549.00
** FERC Number 07909 ALLEGHENY L&D 4 ALLEGHENY R	PA	WO	15000.00	0.50	7500.00
** Subtotal **			15000.00		7500.00
** FERC Number 07914 ALLEGHENY L&D 7 ALLEGHENY R	PA	WO	15000.00	0.90	13500.00
** Subtotal **			15000.00		13500.00
** FERC Number 07983 RALSTON RED RUN,LYCOMING CR,SUSQUEHANN	PA	WO	500.00	0.50	250.00
** Subtotal **			500.00		250.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 08061 NORRISTOWN SCHUYLKILL R	PA	WO	1800.00	0.50	900.00
** Subtotal **			1800.00		900.00
** FERC Number 08064 VINCENT SCHUYLKILL R	PA	WO	1200.00	0.50	600.00
** Subtotal **			1200.00		600.00
** FERC Number 08274 ALVIN R BUSH KETTLE CR,W BR SUSQUEHANNA R	PA	WO	975.00	0.10	97.50
** Subtotal **			975.00		97.50
** FERC Number 08716 NEW HOPE(UNION MILLS) DELAWARE R	PA	WO	5636.00	0.50	2818.00
** Subtotal **			5636.00		2818.00
** FERC Number 08762 MONONGAHELA L&D 2 MONONGAHELA R	PA	WO	2250.00	0.90	2025.00
** Subtotal **			2250.00		2025.00
** FERC Number 08908 MAXWELL L&D MONONGAHELA R	PA	WO	10000.00	0.75	7500.00
** Subtotal **			10000.00		7500.00
** FERC Number 09027 MONONGAHELA L&D 7 MONONGAHELA R	PA	WO	5000.00	0.75	3750.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			5000.00		3750.00
** FERC Number 09227 UNION CITY FRENCH CR, ALLEGHENY R	PA	WO	5490.00	0.10	549.00
** Subtotal **			5490.00		549.00
** FERC Number 09258 F JOSEPH SAYERS N BALD EAGLE CR, W BR SUSQUEHAN	PA	WO	1625.00	0.10	162.50
** Subtotal **			1625.00		162.50
** FERC Number 09531 PLYMOUTH SCHUYLKILL R	PA	WO	1600.00	0.75	1200.00
** Subtotal **			1600.00		1200.00
** FERC Number 09695 LITTLE PINE CREEK LITTLE PINE CR, PINE CR	PA	WO	960.00	0.50	480.00
** Subtotal **			960.00		480.00
** FERC Number 09764 G STEVENSON FIRST FK SINNEMAHONING CR	PA	WO	920.00	0.50	460.00
** Subtotal **			920.00		460.00
** FERC Number 09835 COWANESQUE COWANESQUE R	PA	WO	2661.00	0.10	266.10
** Subtotal **			2661.00		266.10

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 09997 SWENGLE PENNS CR,SUSQUEHANNA R	PA	WO	200.00	0.50	100.00
** Subtotal **			200.00		100.00
** FERC Number 10131 PENN III SHOHOLA CR,DELAWARE R	PA	WO	1615.00	0.50	807.50
** Subtotal **			1615.00		807.50
** FERC Number 10132 PENN II SHOHOLA CR,DELAWARE R	PA	WO	4350.00	0.50	2175.00
** Subtotal **			4350.00		2175.00
** FERC Number 10133 PENN I SHOHOLA CR,DELAWARE R	PA	WO	4350.00	0.50	2175.00
** Subtotal **			4350.00		2175.00
** FERC Number 10418 DOCK STREET DAM SUSQUEHANNA R	PA	WO	34400.00	0.50	17200.00
** Subtotal **			34400.00		17200.00
** FERC Number 10521 MAHONING CREEK MAHONING CR,ALLEGHENY R	PA	WO	5000.00	0.10	500.00
** Subtotal **			5000.00		500.00
** FERC Number 10537 CROOKED CREEK CROOKED CR,ALLEGHENY R	PA	WO	2500.00	0.10	250.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	Dam ST Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **		2500.00		250.00
** FERC Number 10717 BLUE MARSH DAM TUPEHOCKEN CR, SCHUYLKILL R	PA WO	400.00	0.10	40.00
** Subtotal **		400.00		40.00
** FERC Number 10902 GEORGE B STEVENSON FIRST FK SINNEMAHOING CR	PA WO	9000.00	0.50	4500.00
** Subtotal **		9000.00		4500.00
** FERC Number 10912 FLAT ROCK SCHUYLKILL R	PA WO	2500.00	0.75	1875.00
** Subtotal **		2500.00		1875.00
** FERC Number 10929 EAST BRANCH CLARION E BR CLARION R	PA WO	2400.00	0.10	240.00
** Subtotal **		2400.00		240.00
** FERC Number 10938 GRAYS LANDING MONONGAHELA R	PA WO	6700.00	0.75	5025.00
** Subtotal **		6700.00		5025.00
** FERC Number 11010 LOYALHANNA LOYALHANNA CR, KISKIMINETAS R	PA WO	2100.00	0.10	210.00
** Subtotal **		2100.00		210.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** FERC Number 11048 TIONESTA TIONESTA CR, ALLEGHENY R	PA	WO	5000.00	0.10	500.00
** Subtotal **			5000.00		500.00
** FERC Number 11066 WISMER'S LOCKS SCHUYLKILL R	PA	WO	1050.00	0.90	945.00
** Subtotal **			1050.00		945.00
** FERC Number 11215 NOCKAMIXON TOHICKON CR, DELAWARE R	PA	WO	1500.00	0.50	750.00
** Subtotal **			1500.00		750.00
** FERC Number 11303 BELTZVILLE POHOPOCO CR, LEHIGH R	PA	WO	1000.00	0.10	100.00
** Subtotal **			1000.00		100.00
** FERC Number 11438 DASHIELDS L&D OHIO R	PA	WO	25000.00	0.90	22500.00
** Subtotal **			25000.00		22500.00
** FERC Number 11456 POINT MARION MONONGAHELA R	PA	WO	5000.00	0.90	4500.00
** Subtotal **			5000.00		4500.00
** FERC Number PA002 CARLISLE CONODOGUINET CR, SUSQUEHANNA R	PA	WO	400.00	0.50	200.00

HYDROPOWER RESOURCE ASSESSMENT BY FERC NUMBER

Plant Name/ Stream	ST	Dam Stat	Name Plate Rating (KW)	PESF	PESF * KW
** Subtotal **			400.00		200.00
** FERC Number PA014 GREEN LANE DAM PERKIOMEN CR,SCHUYLKILL R	PA	WO	830.00	0.50	415.00
** Subtotal **			830.00		415.00
** FERC Number PA016 HAMMOND CROOKED CR,TIOGA R	PA	WO	1155.00	0.10	115.50
** Subtotal **			1155.00		115.50
** FERC Number PA017 HANOVER 7 DAM(ALLENTOWN) LEHIGH R	PA	WO	1760.00	0.75	1320.00
** Subtotal **			1760.00		1320.00
** FERC Number PA024 PENN FOREST DAM WILD CR,POHOPOCO CR	PA	WO	495.00	0.50	247.50
** Subtotal **			495.00		247.50
** FERC Number PA027 TREICHLERS(NO 4 DAM) LEHIGH R	PA	WO	1430.00	0.50	715.00
** Subtotal **			1430.00		715.00
** FERC Number PA030 WOODCOCK CREEK WOODCOCK CR,ALLEGHENY R	PA	WO	1000.00	0.10	100.00
** Subtotal **			1000.00		100.00
*** Total ***			2217372.00		702514.60

Appendix D

Individual Resource Database List

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 1

FERC Number	Plant Name	Stream	State Name
00487	WALLENPAUPACK	WALLENPAUPACK CR, LACKAWAXEN R	PA

County Name	River Basin
PIKE	DELAWARE RIVER BASIN

Class	Owner Name
P	PENN POWER & LIGHT CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
40000.00	0.50	20000.00	77600.00	38800

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4127.30 7511.12
C	STG	MO	W		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 2

FERC Number	Plant Name	Stream	State Name
01881	HOLTWOOD	SUSQUEHANNA R	PA

County Name	River Basin
LANCASTER	SUSQUEHANNA RIVER BASIN

Class	Owner Name
P	PENN POWER & LIGHT CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
162000.00	0.50	81000.00	230000.00	115000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3949.42
C	ROR	MO	W	Longitude	7620.12

Factor	Exist	Prob	Factor	Exist	Prob
--------	-------	------	--------	-------	------

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

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

DATE: 10/31/97

PAGE NO: 3

FERC Number	Plant Name	Stream	State Name
01888	YORK HAVEN	SUSQUEHANNA R	PA

County Name	River Basin
YORK	SUSQUEHANNA RIVER BASIN

Class		Owner Name		
P		YORK HAVEN POWER CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2200.00	0.50	1100.00	12320.00	6160
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	MO	W	4006.54 7642.48

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

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

DATE: 10/31/97

PAGE NO: 4

FERC Number	Plant Name	Stream	State Name
02969	FRANCIS E WALTER	LEHIGH R	PA

County Name	River Basin
CARBON	DELAWARE RIVER BASIN

Class	Owner Name
M	WEATHERLY, BOROUGH OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
10310.00	0.10	1031.00	56100.00	5610

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	PO	WO	4106.42	7543.25

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 5

FERC Number	Plant Name	Stream	State Name
02971	MONTGOMERY L&D	OHIO R	PA

County Name	River Basin
BEAVER	OHIO MAIN STREAM

Class	Owner Name
C	ALLEGHENY ELEC COOP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
20000.00	0.90	18000.00	134400.00	120960

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4039.00	Longitude	8023.06
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	Y	0.90

PAGE NO: 6

FERC Number	Plant Name	Stream		State Name	
03027	PROMPTON DAM	W BR LACKAWAXEN R		PA	
County Name		River Basin			
WAYNE		DELAWARE RIVER BASIN			
Class		Owner Name			
M		DEL RIV BAS COMM/PA,COMM			
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)	
1260.00	0.10	126.00	7500.00	750	
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	
C	STG	XX	WO	4135.18 7519.48	
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 7

FERC Number	Plant Name	Stream	State Name
03227	FAIRMOUNT DAM	SCHUYLKILL R	PA

County Name	River Basin
PHILADELPHIA	DELAWARE RIVER BASIN

Class		Owner Name		
M	PHILADELPHIA, CITY OF			
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.50	1000.00	10800.00	5400
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	3958.00 7511.12

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 8

FERC Number	Plant Name	Stream	State Name
03357	TIOGA-HAMMOND	CROOKED CR,TIOGA R	PA

County Name	River Basin
TIOGA	SUSQUEHANNA RIVER BASIN

Class		Owner Name		
R		HYDRO CORP OF PA		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2900.00	0.10	290.00	10200.00	1020
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	XX	WO	4154.00 7708.00

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		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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

DATE: 10/31/97

PAGE NO: 9

FERC Number	Plant Name	Stream	State Name
03450	EASTVALE	BEAVER R	PA

County Name	River Basin
BEAVER	BEAVER RIVER BASIN

Class	Owner Name
M	BEAVER FALLS MUN AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
440.00	0.90	396.00	3220.00	2898

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4045.42 8019.00
C	ROR	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	Y	0.90
Scenic Value		0.90			

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

DATE: 10/31/97

PAGE NO: 10

FERC Number	Plant Name	Stream	State Name
03519	PATTERSON	BEAVER R	PA

County Name	River Basin
BEAVER	BEAVER RIVER BASIN

Class	Owner Name
R	BEAVER VALLEY POWER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2700.00	0.90	2430.00	12000.00	10800

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	LE	W	4044.42	8018.54

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	Y 0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 11

FERC Number	Plant Name	Stream	State Name
03547	CHAIN DAM	LEHIGH R	PA

County Name	River Basin
NORTHAMPTON	DELAWARE RIVER BASIN

Class	Owner Name
M	PA DEPT OF ENV RES & EASTON,CITY O

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2400.00	0.50	1200.00	16100.00	8050

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4039.30
C	ROR	XX	WO	Longitude	7514.42

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 12

FERC Number	Plant Name	Stream	State Name
03690	QUEMAHONING	QUEMAHONING CR, CONEMAUGH R	PA

County Name	River Basin
SOMERSET	ALLEGHENY RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1330.00	0.90	1197.00	4650.00	4185

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4010.54 7856.36
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	Y 0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 13

FERC Number	Plant Name	Stream	State Name
03845	B F GOODRICH	PERKIOMEN CR,SCHUYLKILL R	PA

County Name	River Basin
MONTGOMERY	DELAWARE RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
290.00	0.75	217.50	1270.00	952.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4007.12 7527.30
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	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 14

FERC Number	Plant Name	Stream	State Name
04017	ALLEGHENY L&D 2	ALLEGHENY R	PA

County Name	River Basin
ALLEGHENY	ALLEGHENY RIVER BASIN

Class	Owner Name
M	PITTSBURGH WATER & SEWER AUTH

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
11600.00	0.90	10440.00	61255.00	55129.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4029.12 7954.54
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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 15

FERC Number	Plant Name	Stream	State Name
04142	SHENANGO	SHENANGO R	PA

County Name	River Basin
MERCER	BEAVER RIVER BASIN

Class	Owner Name
M	GROVE CITY, BOROUGH OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1700.00	0.10	170.00	7802.00	780.20

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4115.54 8027.42
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		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 16

FERC Number	Plant Name	Stream	State Name
04474	ALLEGHENY L&D 3	ALLEGHENY R	PA

County Name	River Basin
ALLEGHENY	ALLEGHENY RIVER BASIN

Class		Owner Name		
M		CHESWICK, BOROUGH OF ET AL		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
12000.00	0.75	9000.00	61100.00	45825
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	MO	WO	4032.18 7948.54

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 17

FERC Number	Plant Name	Stream	State Name
04675	MONONGAHELA L&D 4	MONONGAHELA R	PA

County Name	River Basin
WASHINGTON	MONONGAHELA RIVER BASIN

Class	Owner Name
M	CHARLEROI, BOROUGH OF ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
8250.00	0.50	4125.00	34680.00	17340

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4008.48 7953.54
C	ROR	MO	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 18

FERC Number	Plant Name	Stream	State Name
04866	MONONGAHELA L&D 3	MONONGAHELA R	PA

County Name	River Basin
ALLEGHENY	MONONGAHELA RIVER BASIN

Class		Owner Name		
R		NUCLEAR ENERGY GROUP INC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2250.00	0.90	2025.00	13140.00	11826

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4015.54 7953.54
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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 19

FERC Number	Plant Name	Stream	State Name
04967	PA LOW HEAD 1	WAPWALLOPEN CR,SUSQUEHANNA R	PA

County Name	River Basin
LUZERNE	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	FREY,DAVID ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1800.00	0.25	450.00	7500.00	1875

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4105.00 7550.00
C	ROR	XX	U		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 20

FERC Number	Plant Name	Stream	State Name
05146	HAMILTON STREET	LEHIGH R	PA

County Name	River Basin
LEHIGH	DELAWARE RIVER BASIN

Class	Owner Name
M	ALLENTOWN, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2030.00	0.50	1015.00	10300.00	5150

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	WO	4036.30	7527.12

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 21

FERC Number	Plant Name	Stream	State Name
05833	EASTON/RAUBSVILLE	LEHIGH R	PA

County Name	River Basin
NORTHAMPTON	DELAWARE RIVER BASIN

Class	Owner Name
R	PENN HYDRO-ELEC DEV CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
750.00	0.50	375.00	5700.00	2850

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4041.00	Longitude	7550.00
C	ROR	NO	WO				

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

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

DATE: 10/31/97

PAGE NO: 22

FERC Number	Plant Name	Stream	State Name
05834	AUBURN	SCHUYLKILL R	PA

County Name	River Basin
SCHUYLKILL	DELAWARE RIVER BASIN

Class	Owner Name
R	PENN HYDRO-ELEC DEV CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1000.00	0.75	750.00	2500.00	1875

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	WO	4036.36	7606.30

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 23

FERC Number	Plant Name	Stream	State Name
05835	FELIX DAM	SCHUYLKILL R	PA

County Name	River Basin
BERKS	DELAWARE RIVER BASIN

Class	Owner Name
R	PENN HYDRO-ELEC DEV CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1500.00	0.75	1125.00	5920.00	4440

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4023.30	Longitude	7558.12
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	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 24

FERC Number	Plant Name	Stream	State Name
05897	INDIAN CREEK	INDIAN CR, YOUGHIOGHENY R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class	Owner Name
R	LONG LAKE ENERGY CORP

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
650.00	0.50	325.00	2600.00	1300

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3958.54 7927.18
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 25

FERC Number	Plant Name	Stream	State Name
07033	ROCK HILL	CONESTOGA R,SUSQUEHANNA R	PA

County Name	River Basin
LANCASTER	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	BEAVER PWR GRP I,LTD

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
540.00	0.50	270.00	2838.00	1419

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3957.48 7622.00
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198	Y	0.90

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

DATE: 10/31/97

PAGE NO: 26

FERC Number	Plant Name	Stream	State Name
07041	EMSWORTH L&D	OHIO R	PA

County Name	River Basin
ALLEGHENY	OHIO MAIN STREAM

Class	Owner Name
M	POTTER TOWNSHIP HYDRO AUTHORITY

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
20000.00	0.90	18000.00	105000.00	94500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	MO	WO	4030.17	8005.17

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 27

FERC Number	Plant Name	Stream	State Name
07072	LOCK HAVEN	W BR SUSQUEHANNA R	PA

County Name	River Basin
CLINTON	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	BEAVER PWR GRP IV,LTD

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
3120.00	0.50	1560.00	16399.00	8199.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4108.00
C	ROR	XX	WO	Longitude	7728.00

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 28

FERC Number	Plant Name	Stream	State Name
07293	ELLWOOD CITY	CONNOQUENESSING CR,BEAV R	PA

County Name	River Basin
LAWRENCE	BEAVER RIVER BASIN

Class	Owner Name
M	ELLWOOD CITY,CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6000.00	0.75	4500.00	27000.00	20250

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4052.00	Longitude	8018.00
C	ROR	XX	WO				

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 29

FERC Number	Plant Name	Stream	State Name
07302	SPRING CREEK	SPRING CR,N BALD EAGLE CR	PA

County Name	River Basin
CENTRE	SUSQUEHANNA RIVER BASIN

Class		Owner Name	
R		GASTON,JAMES E	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
250.00	0.50	125.00	1400.00
		PESF Annual Energy Rating (MWh)	
		700	

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4056.00 7747.00
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 30

FERC Number	Plant Name	Stream	State Name
07768	UNION CITY DAM	FRENCH CR, ALLEGHENY R	PA

County Name	River Basin
ERIE	ALLEGHENY RIVER BASIN

Class	Owner Name
R	UNION CITY ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5490.00	0.10	549.00	21800.00	2180

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4155.12 7954.00
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value	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

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

DATE: 10/31/97

PAGE NO: 31

FERC Number	Plant Name	Stream	State Name
07909	ALLEGHENY L&D 4	ALLEGHENY R	PA

County Name	River Basin
ALLEGHENY	ALLEGHENY RIVER BASIN

Class	Owner Name
M	ALLEGHENY, COUNTY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15000.00	0.50	7500.00	60000.00	30000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4036.54 7943.06
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 32

FERC Number	Plant Name	Stream	State Name
07914	ALLEGHENY L&D 7	ALLEGHENY R	PA

County Name	River Basin
ARMSTRONG	ALLEGHENY RIVER BASIN

Class	Owner Name
-------	------------

R	ALLEGHENY HYDROPOWER INC
---	--------------------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15000.00	0.90	13500.00	68000.00	61200

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4049.06 7931.42
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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 33

FERC Number	Plant Name	Stream	State Name
07983	RALSTON	RED RUN,LYCOMING CR,SUSQUEHANN	PA

County Name	River Basin
LYCOMING	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

R	RALSTON HYDRO ASSOC
---	---------------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
500.00	0.50	250.00	2000.00	1000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4131.00 7657.00
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	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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 34

FERC Number	Plant Name	Stream	State Name
08061	NORRISTOWN	SCHUYLKILL R	PA

County Name	River Basin
MONTGOMERY	DELAWARE RIVER BASIN

Class	Owner Name
R	SCHNEIDER HYDROPOWER CO ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1800.00	0.50	900.00	8000.00	4000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4006.42 7520.54
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 35

FERC Number	Plant Name	Stream	State Name
08064	VINCENT	SCHUYLKILL R	PA

County Name	River Basin
CHESTER	DELAWARE RIVER BASIN

Class	Owner Name
R	SCHNEIDER HYDROPOWER CO ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1200.00	0.50	600.00	5000.00	2500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4012.18 7532.54
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 36

FERC Number	Plant Name	Stream	State Name
08126	PIGGY BACK	DELAWARE R	PA

County Name	River Basin
NORTHAMPTON	DELAWARE RIVER BASIN

Class	Owner Name
R	AMERICAN ELEC & PWR LTD

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
40.00	0.50	20.00	333.00	166.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4044.00
C	ROR	LE	W	Longitude	7510.00

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 37

FERC Number	Plant Name	Stream	State Name
08138	CURWENSVILLE	W BR SUSQUEHANNA R	PA

County Name	River Basin
CLEARFIELD	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	NUCLEAR ENERGY GROUP INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1750.00	0.10	175.00	6130.00	613

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4057.04 7831.25
C	ROR	XX	U		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 38

FERC Number	Plant Name	Stream	State Name
08274	ALVIN R BUSH	KETTLE CR,W BR SUSQUEHANNA R	PA

County Name	River Basin
CLINTON	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
975.00	0.10	97.50	3058.00	305.80

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4121.36 7755.30
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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

DATE: 10/31/97

PAGE NO: 39

FERC Number	Plant Name	Stream	State Name
08280	JEDDO TUNNEL	MINE DR,L NESCOPECK CR,SUSQ	PA

County Name	River Basin
LUZERNE	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	SEVER,F ALAN

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2000.00	0.10	200.00	17000.00	1700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4059.00 7603.00
C	ROR	XX	U		

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

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

DATE: 10/31/97

PAGE NO: 40

FERC Number	Plant Name	Stream	State Name
08716	NEW HOPE(UNION MILLS)	DELAWARE R	PA

County Name	River Basin
BUCKS	DELAWARE RIVER BASIN

Class	Owner Name
R	NEW HOPE HYDRO PARTNERS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5636.00	0.50	2818.00	40220.00	20110

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4021.12 7456.54
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 41

FERC Number	Plant Name	Stream	State Name
08762	MONONGAHELA L&D 2	MONONGAHELA R	PA

County Name	River Basin
ALLEGHENY	MONONGAHELA RIVER BASIN

Class	Owner Name
-------	------------

M	ALLEGHENY, COUNTY OF
---	----------------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2250.00	0.90	2025.00	13140.00	11826

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4023.30 7951.30
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

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

DATE: 10/31/97

PAGE NO: 42

FERC Number	Plant Name	Stream	State Name
08908	MAXWELL L&D	MONONGAHELA R	PA

County Name	River Basin
WASHINGTON	MONONGAHELA RIVER BASIN

Class	Owner Name
M	BROWNSVILLE, BOROUGH OF, ET AL

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
10000.00	0.75	7500.00	45000.00	33750

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4000.06 7956.30
C	ROR	MO	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 43

FERC Number	Plant Name	Stream	State Name
09026	LEHMAN	LITTLE BUSH KILL, DELAWARE R	PA

County Name	River Basin
PIKE	DELAWARE RIVER BASIN

Class	Owner Name
R	CAREX HYDRO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1150.00	0.25	287.50	5100.00	1275

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4106.00 7500.00
C	ROR	XX	U		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 44

FERC Number	Plant Name	Stream	State Name
09027	MONONGAHELA L&D 7	MONONGAHELA R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class	Owner Name
R	SNC HYDRO INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5000.00	0.75	3750.00	246.00	184.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3947.06 7955.06
C	ROR	XX	WO		

Factor	Exist Prob	Factor	Exist Prob
Wild/Scenic Protection	0.90	Wildlife Value	Y 0.75
Wild/Scenic Tributary or Upstream/Downstream		Threatened/Endangered Fish	0.90
Wild/Scenic Location	0.90	Threatened/Endangered Wildlife	0.90
Cultural Value	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

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

DATE: 10/31/97

PAGE NO: 45

FERC Number	Plant Name	Stream	State Name
09227	UNION CITY	FRENCH CR, ALLEGHENY R	PA

County Name	River Basin
ERIE	ALLEGHENY RIVER BASIN

Class	Owner Name
R	ERIE ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5490.00	0.10	549.00	21800.00	2180

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4155.12 7954.00
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value	Y	0.75	Federal Land Code 106		0.90
Other Value	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

DATE: 10/31/97

PAGE NO: 46

FERC Number	Plant Name	Stream	State Name
09258	F JOSEPH SAYERS	N BALD EAGLE CR,W BR SUSQUEHAN	PA

County Name	River Basin
CENTRE	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	BLANCHARD HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1625.00	0.10	162.50	9940.00	994

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4102.42 7736.36
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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

DATE: 10/31/97

PAGE NO: 47

FERC Number	Plant Name	Stream	State Name
09390	PYMATUNING	SHENANGO R	PA

County Name	River Basin
CRAWFORD	BEAVER RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
670.00	0.25	167.50	2920.00	730

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4130.06 8027.36
C	ROR	XX	U		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 48

FERC Number	Plant Name	Stream	State Name
09427	SUNBURY	SUSQUEHANNA R	PA

County Name	River Basin
SNYDER	SUSQUEHANNA RIVER BASIN

Class		Owner Name		
R		SUNBURY HYDRO PNSP		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
14200.00	0.10	1420.00	74635.00	7463.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4050.48
C	ROR	XX	U	Longitude	7648.36

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 49

FERC Number	Plant Name	Stream	State Name
09531	PLYMOUTH	SCHUYLKILL R	PA

County Name	River Basin
CHESTER	DELAWARE RIVER BASIN

Class	Owner Name
R	PA ENV RES PTNRS

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1600.00	0.75	1200.00	7000.00	5250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4004.36 7519.00
C	ROR	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	Y	0.75	Federal Land Code 198	Y	0.90
Scenic Value	Y	0.90			

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 50

FERC Number	Plant Name	Stream	State Name
09695	LITTLE PINE CREEK	LITTLE PINE CR,PINE CR	PA

County Name	River Basin
LYCOMING	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
960.00	0.50	480.00	3999.00	1999.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4121.18 7721.24
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value	Y	0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 51

FERC Number	Plant Name	Stream	State Name
09726	LEHIGH STATION	LEHIGH R	PA

County Name	River Basin
CARBON	DELAWARE RIVER BASIN

Class	Owner Name
R	WATRAL,R S & C S

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
600.00	0.10	60.00	2200.00	220

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4058.00 7537.00
C	ROR	XX	U		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 52

FERC Number	Plant Name	Stream	State Name
09755	PIGGY BACK	SUSQUEHANNA R	PA

County Name	River Basin
LANCASTER	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	AMERICAN ELEC & PWR LTD

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
720.00	0.10	72.00	6300.00	630

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3950.00 7620.00
C	ROR	XX	U		

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

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

DATE: 10/31/97

PAGE NO: 53

FERC Number	Plant Name	Stream	State Name
09764	G STEVENSON	FIRST FK SINNEMAHOING CR	PA

County Name	River Basin
CAMERON	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
920.00	0.50	460.00	4335.00	2167.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	WO	4124.30	7801.06

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 54

FERC Number	Plant Name	Stream	State Name
09835	COWANESQUE	COWANESQUE R	PA

County Name	River Basin
TIOGA	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	AMER HYDRO PWR CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2661.00	0.10	266.10	7855.00	785.50

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4158.59 7709.02
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		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 55

FERC Number	Plant Name	Stream	State Name
09997	SWENGLE	PENNS CR,SUSQUEHANNA R	PA

County Name	River Basin
UNION	SUSQUEHANNA RIVER BASIN

Class	Owner Name
R	SEVER,CAROL A

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
200.00	0.50	100.00	1226.00	613

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4053.00 7708.00
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 56

FERC Number	Plant Name	Stream	State Name
10131	PENN III	SHOHOLA CR,DELAWARE R	PA

County Name	River Basin
PIKE	DELAWARE RIVER BASIN

Class	Owner Name
R	SHOHOLA ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1615.00	0.50	807.50	3400.00	1700

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4128.00
C	ROR	XX	WO	Longitude	7455.00

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	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	Y	0.90

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

DATE: 10/31/97

PAGE NO: 57

FERC Number	Plant Name	Stream	State Name
10132	PENN II	SHOHOLA CR,DELAWARE R	PA

County Name	River Basin
PIKE	DELAWARE RIVER BASIN

Class	Owner Name
R	BRIDGE ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4350.00	0.50	2175.00	3400.00	1700

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4127.00 7456.00
C	ROR	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	Y	0.75	Federal Land Code 108		0.90
Recreation Value	Y	0.75	Federal Land Code 198	Y	0.90
Scenic Value		0.90			

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 58

FERC Number	Plant Name	Stream	State Name
10133	PENN I	SHOHOLA CR,DELAWARE R	PA

County Name	River Basin
PIKE	DELAWARE RIVER BASIN

Class	Owner Name
R	STATE ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
4350.00	0.50	2175.00	9240.00	4620

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4123.00
C	ROR	XX	WO	Longitude	7458.00

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	0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 59

FERC Number	Plant Name	Stream	State Name
10418	DOCK STREET DAM	SUSQUEHANNA R	PA

County Name	River Basin
DAUPHIN	SUSQUEHANNA RIVER BASIN

Class	Owner Name
M	HARRISBURG, CITY OF

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
34400.00	0.50	17200.00	148000.00	74000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4014.54
C	ROR	MA	WO	Longitude	7652.42

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 60

FERC Number	Plant Name	Stream	State Name
10521	MAHONING CREEK	MAHONING CR, ALLEGHENY R	PA

County Name	River Basin
ARMSTRONG	ALLEGHENY RIVER BASIN

Class	Owner Name
R	MAHONING HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5000.00	0.10	500.00	16000.00	1600

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4055.12 7916.36
C	ROR	MO	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 61

FERC Number	Plant Name	Stream	State Name
10537	CROOKED CREEK	CROOKED CR, ALLEGHENY R	PA

County Name	River Basin
ARMSTRONG	ALLEGHENY RIVER BASIN

Class	Owner Name
R	CROOKED CREEK HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2500.00	0.10	250.00	10000.00	1000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4042.48 7929.48
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		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 62

FERC Number	Plant Name	Stream	State Name
10717	BLUE MARSH DAM	TUPEHOCKEN CR,SCHUYLKILL R	PA

County Name	River Basin
BERKS	DELAWARE RIVER BASIN

Class	Owner Name
P	BLUE MARSH HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
400.00	0.10	40.00	2400.00	240

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4022.31 7601.51
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		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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 63

FERC Number	Plant Name	Stream	State Name
10902	GEORGE B STEVENSON	FIRST FK SINNEMAHONING CR	PA

County Name	River Basin
CAMERON	SUSQUEHANNA RIVER BASIN

Class	Owner Name
M	D/R RESOURCES CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
9000.00	0.50	4500.00	20000.00	10000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4124.30 7801.06
C	STG	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 64

FERC Number	Plant Name	Stream	State Name
10912	FLAT ROCK	SCHUYLKILL R	PA

County Name	River Basin
PHILADELPHIA	DELAWARE RIVER BASIN

Class	Owner Name
R	BIT RIVER HYDRO, INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2500.00	0.75	1875.00	12600.00	9450

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4002.18 7514.48
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	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 65

FERC Number	Plant Name	Stream	State Name
10929	EAST BRANCH CLARION	E BR CLARION R	PA

County Name	River Basin
ELK	ALLEGHENY RIVER BASIN

Class		Owner Name	
R		PENNTech PAPERS, INC	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
2400.00	0.10	240.00	8600.00
		PESF Annual Energy Rating (MWh)	
		860	

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4133.36 7835.36
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		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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

DATE: 10/31/97

PAGE NO: 66

FERC Number	Plant Name	Stream	State Name
10938	GRAYS LANDING	MONONGAHELA R	PA

County Name	River Basin
GREENE	MONONGAHELA RIVER BASIN

Class	Owner Name
R	PUBLIC RESOURCE DEV ASSOCIATES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6700.00	0.75	5025.00	34000.00	25500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3951.00 Longitude 7956.00
C	ROR	XX	WO		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.75
Wild/Scenic Tributary or			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			

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 67

FERC Number	Plant Name	Stream	State Name
11010	LOYALHANNA	LOYALHANNA CR,KISKIMINETAS R	PA

County Name	River Basin
WESTMORELAND	ALLEGHENY RIVER BASIN

Class	Owner Name
R	HYDROPOWER, INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
2100.00	0.10	210.00	8000.00	800

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4014.00 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		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		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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

DATE: 10/31/97

PAGE NO: 68

FERC Number	Plant Name	Stream	State Name
11048	TIONESTA	TIONESTA CR, ALLEGHENY R	PA

County Name	River Basin
FOREST	ALLEGHENY RIVER BASIN

Class		Owner Name		
R		TIONESTA HYDRO ASSOCIATES		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5000.00	0.10	500.00	19000.00	1900

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
C	ROR	XX	WO	4128.36	7926.48

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 69

FERC Number	Plant Name	Stream	State Name
11066	WISMER'S LOCKS	SCHUYLKILL R	PA

County Name	River Basin
MONTGOMERY	DELAWARE RIVER BASIN

Class	Owner Name
R	MOISON, DAVID L

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1050.00	0.90	945.00	4750.00	4275

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4009.00 7530.00
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	Y	0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 70

FERC Number	Plant Name	Stream	State Name
11215	NOCKAMIXON	TOHICKON CR,DELAWARE R	PA

County Name	River Basin
BUCKS	DELAWARE RIVER BASIN

Class	Owner Name
R	HYDROPOWER, INC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1500.00	0.50	750.00	3000.00	1500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4028.12 7511.18
C	ROR	XX	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 71

FERC Number	Plant Name	Stream	State Name
11303	BELTZVILLE	POHOPOCO CR, LEHIGH R	PA

County Name	River Basin
CARBON	DELAWARE RIVER BASIN

Class	Owner Name
M	BETLZVILLE HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1000.00	0.10	100.00	4550.00	455

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4050.54 7538.18
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	Y	0.75	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

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

DATE: 10/31/97

PAGE NO: 72

FERC Number	Plant Name	Stream	State Name
11438	DASHIELDS L&D	OHIO R	PA

County Name	River Basin
ALLEGHENY	OHIO MAIN STREAM

Class	Owner Name
P	DASHIELDS HYDRO ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
25000.00	0.90	22500.00	96800.00	87120

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4032.54 8012.30
C	ROR	PO	WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 73

FERC Number	Plant Name	Stream	State Name
11456	POINT MARION	MONONGAHELA R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class		Owner Name		
M		POINT MARION HYDRO ASSOC		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
5000.00	0.90	4500.00	17100.00	15390
Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude
C	ROR	PO	WO	3944.00 7955.00

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 74

FERC Number	Plant Name	Stream	State Name
PA001	BEAVER RUN	BEAVER RUN,KISKIMINETAS R	PA

County Name	River Basin
WESTMORELAND	ALLEGHENY RIVER BASIN

Class		Owner Name			
M		WESTMORELAND MUN AUTH OF			
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)	
1100.00	0.50	550.00	2100.00	1050	
Unit Type	Plant Type	Project Status	Dam Status	Latitude	4031.00
C	STG		U	Longitude	7933.00

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	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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 75

FERC Number	Plant Name	Stream	State Name
PA002	CARLISLE	CONODOGUINET CR,SUSQUEHANNA R	PA

County Name	River Basin
CUMBERLAND	SUSQUEHANNA RIVER BASIN

Class		Owner Name	
M		CARLISLE MUNICIPAL AUTHORITY	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
400.00	0.50	200.00	1168.00
			PESF Annual Energy Rating (MWh)
			584

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4013.24
C	ROR		WO	Longitude	7711.24

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 76

FERC Number	Plant Name	Stream	State Name
PA003	CASTLE GARDEN	BENNETT BR, SINNEMAHONING CR	PA

County Name	River Basin
CAMERON	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
50000.00	0.90	45000.00	150000.00	135000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4127.00 7804.00
C			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	Y 0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 77

FERC Number	Plant Name	Stream	State Name
PA004	CONEWAGO	CONEWAGO CR, SUSQUEHANNA R	PA

County Name	River Basin
YORK	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
23000.00	0.25	5750.00	46000.00	11500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4006.00 7644.00
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 78

FERC Number	Plant Name	Stream	State Name
PA005	CYPHER STATION	RAYSTOWN BR, JUNIATA R	PA

County Name	River Basin
BEDFORD	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
16000.00	0.90	14400.00	48000.00	43200

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4006.00 7818.00
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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 79

FERC Number	Plant Name	Stream	State Name
PA006	DAM 1	CONNOQUENESSING R	PA

County Name	River Basin
BEAVER	BEAVER RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
45000.00	0.90	40500.00	59000.00	53100

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	0.00 0.00
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	Y 0.90

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

DATE: 10/31/97

PAGE NO: 80

FERC Number	Plant Name	Stream	State Name
PA007	DAM 2	SLIPPERY ROCK CR, CONNOQUENESSI	PA

County Name	River Basin
LAWRENCE	BEAVER RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
13000.00	0.10	1300.00	20000.00	2000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4050.00 8022.00
C	ROR		U		

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.25
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		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	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 81

FERC Number	Plant Name	Stream	State Name
PA008	DAM 3	SLIPPERY ROCK CR, CONNOQUENESSI	PA

County Name	River Basin
LAWRENCE	BEAVER RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
25000.00	0.25	6250.00	35000.00	8750

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4052.00	Longitude	8022.00
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	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	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 82

FERC Number	Plant Name	Stream	State Name
PA009	DAM 4	SLIPPERY ROCK CR, CONNOQUENESSI	PA

County Name	River Basin
BEAVER	BEAVER RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
17000.00	0.25	4250.00	26000.00	6500

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4048.00
C	ROR		U	Longitude	8019.00

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	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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 83

FERC Number	Plant Name	Stream	State Name
PA010	DAM A	YOUGHIOGHENY R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
25000.00	0.25	6250.00	80000.00	20000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3948.00 7924.00
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	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 84

FERC Number	Plant Name	Stream	State Name
PA011	DAM B	YOUGHIOGHENY R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
25000.00	0.25	6250.00	80000.00	20000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3948.00 7925.00
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	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 85

FERC Number	Plant Name	Stream	State Name
PA012	DAM C	YOUGHIOGHENY R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
15000.00	0.10	1500.00	49000.00	4900

Unit Type	Plant Type	Project Status	Dam Status	Latitude	3954.00	Longitude	7928.00
C	ROR		U				

Factor	Exist	Prob	Factor	Exist	Prob
Wild/Scenic Protection		0.90	Wildlife Value	Y	0.25
Wild/Scenic Tributary or Upstream/Downstream			Threatened/Endangered Fish		0.90
Wild/Scenic Location		0.90	Threatened/Endangered Wildlife		0.90
Cultural Value		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	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 86

FERC Number	Plant Name	Stream	State Name
PA013	FALLS	SUSQUEHANNA R	PA

County Name	River Basin
LUZERNE	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
250000.00	0.25	62500.00	760000.00	190000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	0.00 0.00
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 87

FERC Number	Plant Name	Stream	State Name
PA014	GREEN LANE DAM	PERKIOMEN CR,SCHUYLKILL R	PA

County Name	River Basin
MONTGOMERY	DELAWARE RIVER BASIN

Class	Owner Name
P	PHILADELPHIA SUBURBAN WATER CO

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
830.00	0.50	415.00	2700.00	1350

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4021.00	Longitude	7529.00
C	STG		WO				

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 88

FERC Number	Plant Name	Stream	State Name
PA015	HALLSTEAD	SUSQUEHANNA R	PA

County Name	River Basin
SUSQUEHANNA	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
12200.00	0.25	3050.00	52000.00	13000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4158.00
C	ROR		U	Longitude	7545.00

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 89

FERC Number	Plant Name	Stream	State Name
PA016	HAMMOND	CROOKED CR,TIOGA R	PA

County Name	River Basin
TIOGA	SUSQUEHANNA 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)
1155.00	0.10	115.50	3368.00	336.80

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4153.00 7711.00
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		0.90	Federal Land Code 106		0.90
Other Value	Y	0.75	Federal Land Code 107		0.90
Recreation Value	Y	0.75	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198		0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 90

FERC Number	Plant Name	Stream	State Name
PA017	HANOVER 7 DAM(ALLENTOWN)	LEHIGH R	PA

County Name	River Basin
LEHIGH	DELAWARE RIVER BASIN

Class		Owner Name	
I		LEHIGH COAL & NAVIGATION CO	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
1760.00	0.75	1320.00	8940.00
			PESF Annual Energy Rating (MWh)
			6705

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4036.00 7527.00
C	ROR		WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 91

FERC Number	Plant Name	Stream	State Name
PA018	HEPBURN STREET	W BR SUSQUEHANNA R	PA

County Name	River Basin
LYCOMING	SUSQUEHANNA RIVER BASIN

Class	Owner Name
M	PA DEPT OF ENV RES

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
6360.00	0.25	1590.00	36200.00	9050

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4114.00 7700.00
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 92

FERC Number	Plant Name	Stream	State Name
PA019	HERSHEY	SWATARA CR, SUSQUEHANNA R	PA

County Name	River Basin
LEBANON	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
13000.00	0.25	3250.00	26000.00	6500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4018.00 7640.00
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value		0.90	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value		0.90	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 93

FERC Number	Plant Name	Stream	State Name
PA020	KEATING	W BR SUSQUEHANNA R	PA

County Name	River Basin
CENTRE	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
423600.00	0.25	105900.00	521000.00	130250

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4112.00 7755.00
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.50	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 94

FERC Number	Plant Name	Stream	State Name
PA021	MAUCH CHUNK	LEHIGH R	PA

County Name	River Basin
CARBON	DELAWARE RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
150000.00	0.10	15000.00	325000.00	32500

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4056.00 7536.00
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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 95

FERC Number	Plant Name	Stream	State Name
PA022	MORaine ST PARK	MUDDY CR, CONNOQUENESSING R	PA

County Name	River Basin
BUTLER	BEAVER RIVER BASIN

Class		Owner Name	
M		DEPT OF FOREST & WTR	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
900.00	0.25	225.00	1700.00
			PESF Annual Energy Rating (MWh)
			425

Unit Type	Plant Type	Project Status	Dam Status	Latitude	4057.00
C	STG		U	Longitude	8007.00

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	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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 96

FERC Number	Plant Name	Stream	State Name
PA023	MUNCY	W BR SUSQUEHANNA R	PA

County Name	River Basin
LYCOMING	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
60000.00	0.25	15000.00	235000.00	58750

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4111.00 7646.00
C			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	Y	0.25	Federal Land Code 104		0.90
Geologic Value		0.90	Federal Land Code 105		0.90
Historic Value		0.90	Federal Land Code 106		0.90
Other Value	Y	0.50	Federal Land Code 107		0.90
Recreation Value		0.90	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 97

FERC Number	Plant Name	Stream	State Name
PA024	PENN FOREST DAM	WILD CR,POHOPOCO CR	PA
	County Name	River Basin	
	CARBON	DELAWARE RIVER BASIN	
	Class	Owner Name	
	M	BETHLEHEM,MUN AUTH OF	
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)
495.00	0.50	247.50	2500.00
			PESF Annual Energy Rating (MWh)
			1250
Unit Type	Plant Type	Project Status	Dam Status
C	STG		WO
Latitude	4056.12	Longitude	7534.06
Factor	Exist	Prob	Factor
Wild/Scenic Protection		0.90	Wildlife Value
Wild/Scenic Tributary or			Threatened/Endangered Fish
Upstream/Downstream			Threatened/Endangered Wildlife
Wild/Scenic Location		0.90	Federal Land Code 103
Cultural Value		0.90	Federal Land Code 104
Fish Presence Value		0.90	Federal Land Code 105
Geologic Value		0.90	Federal Land Code 106
Historic Value		0.90	Federal Land Code 107
Other Value	Y	0.75	Federal Land Code 108
Recreation Value		0.90	Federal Land Code 198
Scenic Value		0.90	

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 98

FERC Number	Plant Name	Stream	State Name
PA025	SHOCK MILLS	SUSQUEHANNA R	PA

County Name	River Basin
YORK	SUSQUEHANNA RIVER BASIN

Class	Owner Name
-------	------------

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
300000.00	0.10	30000.00	980000.00	98000

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4006.00 7642.00
C	STG		U		

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

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

DATE: 10/31/97

PAGE NO: 99

FERC Number	Plant Name	Stream	State Name
PA026	ST PETERSBURG 3	CLARION R	PA

County Name	River Basin
CLARION	ALLEGHENY 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)
120000.00	0.25	30000.00	244000.00	61000

Unit Type	Plant Type	Project Status	Dam Status	Latitude	Longitude
				4109.00	7939.00
C	CMB		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	Y	0.25	Federal Land Code 108		0.90
Scenic Value	Y	0.50	Federal Land Code 198	Y	0.90

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

DATE: 10/31/97

PAGE NO: 100

FERC Number	Plant Name	Stream	State Name
PA027	TREICHLERS(NO 4 DAM)	LEHIGH R	PA

County Name	River Basin
NORTHAMPTON	DELAWARE RIVER BASIN

Class	Owner Name
P	THREE MILE BOAT ASSOC

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1430.00	0.50	715.00	8300.00	4150

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4044.00 7533.00
C	ROR		WO		

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 101

FERC Number	Plant Name	Stream	State Name
PA028	TWO LICK CREEK	TWO LICK CR, CONEMAUGH R	PA

County Name	River Basin
INDIANA	ALLEGHENY RIVER BASIN

Class		Owner Name		
P		PENN ELEC CO		
Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
1220.00	0.50	610.00	4340.00	2170

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4036.00 7906.00
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	Y	0.90

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 102

FERC Number	Plant Name	Stream	State Name
PA029	VICTORIA	YOUGHIOGHENY R	PA

County Name	River Basin
FAYETTE	MONONGAHELA RIVER BASIN

Class	Owner Name
-------	------------

NHPS/COE

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
84700.00	0.10	8470.00	216000.00	21600

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	3957.00 7927.00
C	DIV		U		

Factor	Exist	Prob	Factor	Exist	Prob
--------	-------	------	--------	-------	------

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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 103

FERC Number	Plant Name	Stream	State Name
PA030	WOODCOCK CREEK	WOODCOCK CR, ALLEGHENY R	PA

County Name	River Basin
CRAWFORD	ALLEGHENY 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)
1000.00	0.10	100.00	2400.00	240

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4141.49 8006.13
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		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

RESOURCE DATABASE LISTING

DATE: 10/31/97

PAGE NO: 104

FERC Number	Plant Name	Stream	State Name
PA031	YELLOW CREEK STATE PARK	YELLOW CR, CONEMAUGH R	PA

County Name	River Basin
INDIANA	ALLEGHENY RIVER BASIN

Class	Owner Name
M	PA DEPT OF FORESTS & WATER

Name Plate Rating (KW)	PESF	PESF*KW	Annual Energy Rating (MWh)	PESF Annual Energy Rating (MWh)
650.00	0.25	162.50	1800.00	450

Unit Type	Plant Type	Project Status	Dam Status	Latitude Longitude	4034.00 7907.00
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	Y 0.25	Federal Land Code 108	0.90
Scenic Value	0.90	Federal Land Code 198	Y 0.90